



32004SE0033 63.4280 MCVITTIE

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PROGRESS REPORT ON THE  
MCVITTIE TOWNSHIP GOLD PROPERTY  
OF  
LENORA EXPLORATION LIMITED

FOR

THE PERIOD OF JANUARY 1st. TO DECEMBER 31st., 1983.

Sudbury, Ontario  
February 22, 1984

G.J. Hinse, P.Eng.

NTS 32D/4-0203  
Project 1022



32D04SE0033 63.4280 MCVITTIE

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February 22, 1984

To the President and Directors  
Lenora Exploration Limited  
Suite 1816  
44 Victoria Street  
Toronto, Ontario  
M5C 1Y2

Sirs:

Re: McVittie Township Gold Property  
Progress Report for the Period of January 1st. to December 31st., 1984.

During 1983, Lenora Exploration carried out an extensive surface exploration program to explore its McVittie Township Gold property. This program consisted of bulk sampling of the Lake and Southwest zones; detailed magnetic surveying done on the Omega group; test pitting, surface trenching, channel sampling, and diamond drilling done on the Omega and Southwest groups. Work done during the period extending from January 1st. to December 31st. 1983 is resumed as follow:

|                                    | Lake Claim | Omega Group    | Southwest Group |
|------------------------------------|------------|----------------|-----------------|
| Bulk sampling                      | 2,768 tons |                | 3,576 tons      |
| Rock excavation                    | 3,200 tons |                |                 |
| Surface trenching and test pitting |            | 36,214 cu.yds. | 19,624 cu.yds.  |
| Diamond drilling                   | 3,148 feet | 16,842 feet    | 3,787 feet      |
| Detailed magnetic surveying        | 17 HOLES   | 49 HOLES       | 21 HOLES        |
| LINE CUTTING                       |            | 1.6 MILES      | 5.5 miles       |

Location, Access and Property

The Lenora property is located in the south-central portion of McVittie township within the Larder Lake Mining Division, approximately 25 kilometers east of the Town of Kirkland Lake. The west portion of the property is adjacent to the north limit of the Town of Larder Lake. The property is crossed by Highway 66 connecting Kirkland Lake to Noranda. The property is thus easily accessible through various service roads such as those to the former Omega mine shafts and the Larder Lake station.

Lenora Exploration's McVittie township property includes 17 contiguous claims in two groups: the Omega and Southwest groups.

The Omega group consists of 8 claims comprising approximately 297.08 acres. They are held under the following numbers: L 313741 to L 313746 inclusive, L 419096 and L 410317.

The Southwest group is made of 9 claims for approximately 337.0 acres. They are held under the following numbers: L 907, L 20399, L 313769, L 313770, L 341811, L 411208, L 411209, L 419377 and L 441494.

General Geology

All the rocks found on the property are Precambrian in age and belong to the Superior Province of the Canadian Shield.

The older rocks consist of conglomerate and sandstone belonging to the Kekeko Lake group overlain by tholeiitic and komatiitic volcanic flows and clastics belonging to the Larder Lake group; containing intercalations of, and overlain by chemogenic and clastic sedimentary rocks of the Kerr group; in turn overlain by conglomerate, sandstone and argillite of the Barber Lake group. In the northeast corner of the Omega group, younger trachyte of Temiscaming affinities is exposed.

All the above rocks are intruded by lamprophyre, acid and 'syenitic' dikes related to an intrusive event now marked by a collapse dome, the Pancake Bay dome. It is suggested that lamprophyres are more or less restricted to ultramafic rocks while acid and 'syenitic' dikes occur through all rock types, but are more widespread at ultramafic contacts.

On the Omega property, rocks face north and are overturned at 60° to the south. Along strike to the west, a fold develops so that the Southwest mineralized zone faces and dips 50 to 60° to the south. On the Lake claim, the rocks associated with this mineralized zone face to the west. The anticlinal axis has not been defined with certainty and it is

believed that it is now represented by a strong fault running more or less east-west in the northern portion of the Southwest group, while south of the Omega group, the axis of the fold is not readily recognizable, and possibly it had been destroyed by intrusive activity of the Pancake Bay dome. Its location is inferred to be close and parallel to highway 66. The north contact of the dome is also located close to the highway.

The general fault pattern of the property and the area can be classified into three main categories. The oldest category includes normal and thrust faults commonly found along contacts of rocks of the Larder Lake group, where normal faulting is inferred to have occurred at times of early folding toward the north, with later compression causing recurrent thrust displacements on some of the old fault planes. The second pattern, low angle strike faults are common throughout the area. In the vicinity of the Omega mine, these faults have a displacement of the south side to the west with the result that what is believed to have been one continuous ore horizon has now been faulted in different ore blocks with each block containing three distinct ore horizons, although in some of the blocks, no number has been assigned to these horizons. These are the fault block containing ore zones Nos. 1, 2 and 3; a block containing ore zone No. 4; and a block containing ore zone no. 17. The vertical displacement along these faults is not known with certainty. However, it has been proposed that the No. 1, 2 and 3 fault block is a thrust fault over fault block of ore zone No. 4. Yet, the most easterly faults of this type have a vertical displacement of the south side down. Cross faults can also be classed in two categories, the oldest cross faults are more or less restricted to the Larder Lake and Kerr groups and abut against hinge faults. Hinge faults are low angle strike faults caused by difference in plunge of fold axis. The youngest cross faults are linear and extend across all rocks and are usually associated with north-south striking fold axis. One of these, the Misema River fault, is believed to represent the north south axis of a major syncline.

### Economic Geology

Ore horizons, unless remobilized, are found mostly in rocks of the Kerr group, close to the top of a sedimentary cycle. Such a cycle usually consists of a gradation from clastic sedimentary rock at the base to chemical sedimentary rock at the top. With decreasing sedimentary supply up stratigraphy, the uppermost sedimentary cycle may lack the lower clastic phase. Sedimentary lithofacies found associated with ore zones strongly indicate that ore horizons were deposited in paleobasin in a shallow water carbonate depositional environment subjected to cyclical evaporitic periods. Maximum ore zone deposition is associated with periods of maximum authigenic processes in the paleobasin at times of transgression caused by subsidence of older volcanic centers to the south.

Gold-bearing zones are associated with an increase in silica, feldspar (mostly albite), carbonate, pyrite and micas, found at the top of a carbonate depositional cycle. Gold-bearing zones are repetitive and exhibit lithological facies changes up stratigraphy. On Lenora's Omega group, ore zones are grey and red in color. The grey ore consists of chert, albite, carbonate and pyrite in varying proportions while the red ore zone is a grey ore containing very fine disseminated hematite, the red ore being stratigraphically above the grey ore, thus, on the face of it, a red ore only indicates a lack of sulfur in the depositional environment.

### Geology of the Lake Claim Mineralized Zones

The Lake claim mineralized zones include two zones, the South Lake zone and the North Lake zone. The South Lake zone is contained within a suite of clastic sedimentary rocks consisting essentially of ultramafic conglomerates containing in the vicinity of the mineralized zone minor beach conglomerate, sandstone and mica shale. It consists of a up to 10% disseminated pyrite in a zone rich in quartz and/or chert, feldspar, mica, and minor carbonate. Gold values are erratic and are not related to the pyrite content of the host rock. Hydrothermal alteration of all rock

types is pervasive and variable facies of 'syenitization' and minor 'dioritization' can be found. This alteration attains in places complete recrystallization and substitution of the original constituents by syenite and diorite material. Within certain portions of the mineralized zone, the original texture of the zone has been locally almost completely destroyed with recrystallization of pyrite and silica and the introduction of secondary silica is widespread. Gold values in areas of strong alteration such in the east portion are highly erratic when compared to areas of less intense alteration such as the west portion.

Soft sediment deformations such as clastic dikes are numerous throughout the zone.

The second zone, the North Lake zone is located approximately 900 feet north of the South Lake zone. The North Lake zone appears to lie some 500 feet up stratigraphy from the South Lake zone. However, the zone is similar in almost every aspects to the South Lake zone, but with the addition of very fine disseminated hematite imparting a red color to the this gold-bearing zone. The zone is contained within an heterogeneous assemblage of conglomerate and beach sediments, all highly 'syenitized' to varying extents. Little work has been done on this zone, and thus, it is not well known.

#### Geology of the Southwest Mineralized Zone

The Southwest zone is found within ultramafic rocks and is associated with well-laminated chemical carbonate rocks overlying mud-flow and beach sandstone containing beach conglomerate. Gold mineralization is associated with an increase in chert and pyrite in the laminated carbonate rocks found at the top of carbonate sequence. Gold values are notably found in section of increased pyrite, but is not related to the pyrite content of the rock. Visible gold is also found in small stockwork of quartz and chert near the top of a mineralized sequence.

## Geology of the Omega Mineralized Zone

The Omega mine ore horizons are contained within three fault blocks. The first one includes the Nos. 1, 2 and 3 ore zones; the second, the No. 4 ore zone; and the third one, the No. 17 ore zone. Each fault block contains three ore horizons, although no number has been assigned to parallel zone in the Nos. 4 and 17 blocks. To the south, two other horizons are known. These are the No. 14 and the No. 18. As mentioned previously, within the mine area, low angle strike faults with displacement of the south side to the west has repeated the main ore horizon to the east. The No. 1 ore zone is made of quartz and/or chert, carbonate, albite, micas and pyrite with minor arsenopyrite and is grey in color. The No. 2 ore zone is essentially the same, but with fine disseminated hematite imparting a red color to the ore. The No. 3 ore zone is found north of the No. 2 ore zone. Although significant during the early years of the mine, little is known about this zone. However, it is mentioned as being a carbonate ore with stockwork of quartz carrying visible gold. The No. 4 and 17 ore horizons are similar to Nos. 1 and 2, although facies change are common.

## Results of Work Done

Locations of surface trenches, diamond drill holes, pits, and bulk sample pits are shown on the compilation map of Lenora's McVittie property at a scale of 1" = 200 feet. Details of trenches and other details are shown on individual maps attached to this report at larger scales.

South Lake Zone: Following the Company's program of 1982, this zone was tested with a further 3,148 feet of diamond drilling and a 2,719 ton bulk sample. The best diamond drill results were obtained in the west portion of the zone where 'syenitization' is weaker when compared to the east extension of the zone. In that west portion of the zone several holes have returned interesting values. However, due to their erratic nature, a bulk sample totalling 2,768 tons was mined later last winter to verify the grade of the zone. The sample was stored on the Omega mine



tailings. Approximately 20 to 25 pounds of material was taken from each truck load and sent to the Temiscaming Testing laboratory for assaying to obtain a representative grade of the zone. The results returned 0.041 ounce of gold per ton. No further work is recommended for now on this zone.

North Lake Zone: During the later part of the summer, surface stripping and blasting was done in the north part of the Lake claim to investigate an area of mudstone and beach sandstone where old trenches were reported to have returned interesting gold values. Preliminary surface sampling returned highly interesting gold values and the zone was tested with one drill hole. This hole, drilled from east to west, returned 0.14 ounce of gold per ton along a core length of 5.0 feet. Further surface work will be done to defined this zone further.

Lake Claim: The Lake claim was covered with a detailed magnetic survey to help establish the strike of the rock formation on this claim. The results are shown on the attached map at 1" = 200 feet. The results did not help in any significant way the geological interpretation of this claim. However, the survey outlined the west margin of the Pancake Bay intrusive in the east portion of the claim.

Southwest Zone: The Southwest zone was tested with a further 18 holes totalling 2,536 feet and a 2,718 ton bulk sample was mined late last winter. The muck was hauled to the Omega tailings for storage and was treated in the same manner as the Lake zone. Results indicate a grade of 0.083 ounce of gold per ton. A study of the of the configuration of the pit shows a dilution of more than 60%.

Additional surface trenching was done and 2 holes were drilled to test the extension of this gold-bearing horizon further along strike to the west. Another hole was drilled north of the Southwest showing area to test a correlating ground VLF-Input conductor. This hole returned 0.075 ounce of gold per ton along a core length of 2.5 feet.

Considerations are being given to test with a deep hole the most

westerly area of this claim group, in the area of hole SW 83-30 and the north chert zone tested with a few holes during the 1981 drill campaign. Another drill possibility is the Omega ore horizons which is found in the north portion of this group.

Omega Group: Work done on this group consisted of surface trenching, and extensive diamond drilling to test the mine pillars and the No. 17 zone to the east. Results are considered highly encouraging. Drill indicated reserve in the Nos. 4 and 17 zone totals 180,986 tons at a grade of 0.163 ounce of gold per ton. The reserves are considered as having a good economic potential and underground exploration through a ramp is definitely warranted. The Omega mine pillar are calculated as containing 88,948 tons at a grade of 0.154 ounce of gold per ton. Due to the fact that the mine was backfilled before closing down, the pillars could be easily amenable to production once the clay overburden has been removed. Provided that a suitable custom mill contract can be arranged, production from the mine pillar is envisaged sometimes later this year.

Respectfully submitted



A handwritten signature in cursive script that reads "G. J. Hinse".

G. J. Hinse, P. Eng.

North Chert zone tested with a few holes during the 1981 drill campaign. Another exploration target is the Omega ore horizons which is found in the north portion of this group.

Omega Group: Work done on this group consisted of surface trenching, and extensive diamond drilling to test the mine pillars and the No. 17 zone to the east. A total of 49 holes were drilled for 16,842 feet. Results are considered highly encouraging. Drill indicated reserve in the Nos. 4 and 17 zone totals 180,986 tons at a grade of 0.163 ounce of gold per ton. The reserves are considered as having a good economic potential and underground exploration through a ramp is definitely warranted. The Omega mine pillar are calculated as containing 88,948 tons at a grade of 0.154 ounce of gold per ton. Due to the fact that the mine was backfilled before closing down, the pillars could be easily amenable to production once the clay overburden has been removed. Provided that a suitable custom mill contract can be arranged, production from the mine pillar is envisaged sometimes later this year.

#### Conclusions and Recommendations

During 1983, the work program completed on the well-located McVittie Gold property of Lenora Exploration Limited has outlined additional targets warranting further work. These include the followings:

- 1) The North Lake zone where further surface trenching and sampling is needed.
- 2) The west portion of the Southwest group where deeper diamond drilling should be done to test the Southwest zone gold-bearing horizon at depth.
- 3) The North Chert zone should be tested further with diamond drilling.
- 4) Further work should also be done to trace the projection of the Omega Mine horizon onto the Southwest group, to be followed with diamond drilling.

5) On the Omega group, the recently-completed work program has outlined drill indicated reserves in the No. 17 zone and the Omega mine surface pillars. These reserves are considered as having a good economic potential and further work should be done to assess the feasibility of bringing these zones to production, provided of course, that a suitable custom mill contract can be arranged.

6) Diamond drilling should be done to test at depth the No. 14 and 18 fault block in the vicinity of line 11 W. It is suggested that both fault blocks have been displaced downward and thus, the chances of intersecting interesting values are considered excellent.

It is recommended that exploration and development work should be continued to evaluate further the economic potential of the McVittie Township property. This work should include surface trenching and sampling on the North Lake zone and along the projection of the Omega Mine horizon onto the Southwest group, diamond drilling at shallow depths to test the North Chert zone, deep diamond drilling to test the west extension of the Southwest zone, the possible extension of the Omega Mine horizon and the No. 14 and 18 fault blocks at depth. Underground development of the No. 17 zone, where reserves are indicated is also warranted. This could appropriately be done with a decline with lateral development and underground diamond drilling.

The cost of this work is estimated as follow:

|   |           |
|---|-----------|
| Surface trenching and sampling of<br>North Lake zone and the Omega Mine<br>horizon on the Southwest group | \$20,000. |
|---|-----------|

|  |            |
|--|------------|
| Diamond drilling, 10,000 feet @<br>\$20/ft., all inclusive | \$200,000. |
|--|------------|

|  |          |
|--|----------|
| Underground development with a -16%<br>decline to reach the 250' level of<br>the No. 17 zone, 1,500 feet @ \$400/ft.,<br>all inclusive | 600,000. |
|--|----------|

|   |              |
|---|--------------|
| Lateral development of the No. 17 zone, 1,000 feet @ \$250/ft., all inclusive | 250,000.     |
| Underground diamond drilling, 10,000 feet @ \$15/ft., all inclusive           | 150,000.     |
| 10% contingencies   | 120,000.     |
|   | <hr/>        |
| Total   | \$1,340,000. |

Respectfully submitted



*G. J. Hinse*  
G.J. Hinse, P.Eng.

CERTIFICATE

Re: McVittie Township Gold Property of Lenora Exploration Ltd.

I, G.J. HINSE, DO HEREBY CERTIFY:

I am a resident at 9 Gloucester Ct., Sudbury, Ontario, P3E 5M2.

I am a qualified geologist, having received my training at Laval University.

I am a registered Professional Engineer of the Province of Ontario, a member of the Canadian Society for Professional Engineers, the Quebec Prospectors Association, the Canadian Institute of Mining and Metallurgy and the Prospectors and Developers Association.

I have been continuously engaged in mining exploration, development and production since 1954 and have been a consulting geologist since 1978. My career in the Canadian mining industry has included positions as mine project manager, mine planning engineer, chief geologist, resident geologist and regional geologist.

I have been involved in northwestern Quebec since 1954 and in the Abitibi region and Larder Lake area since 1966 and, in the Rouyn-Noranda area intermittently since 1970. I have directly supervised almost all exploration work performed on the McVittie Township property of Lenora Exploration since 1981.

This report is based on the author's experience in exploration, on a the personal knowledge of all records of work done on this property, and published geological maps and reports.

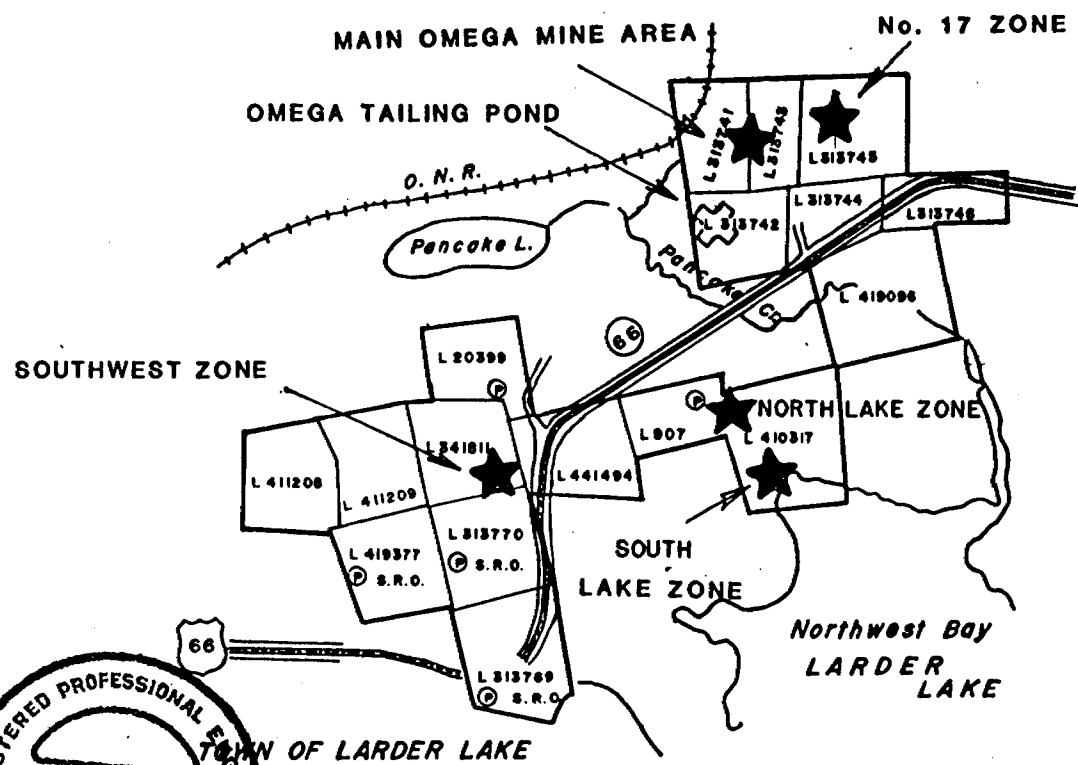
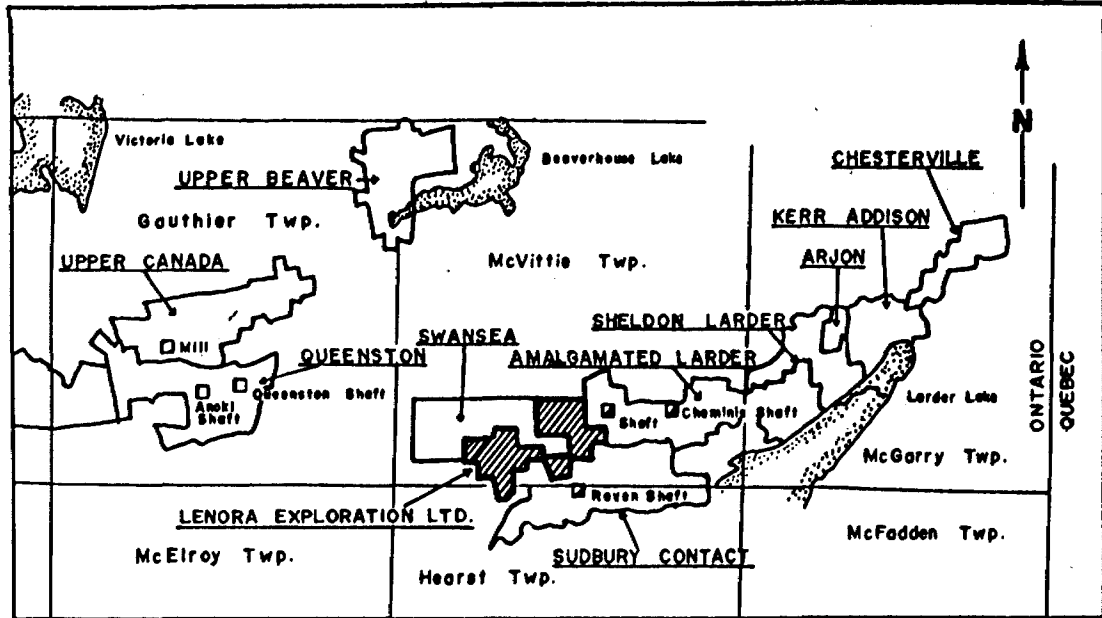
I have disclosed in this report all relevant material which, to the best of my knowledge, might have a bearing on the recommendations contained herein.

I have not, directly nor indirectly, received nor expect to receive any interest, direct or indirect, in the properties of Lenora Exploration Limited, or any affiliate, or beneficially own directly or indirectly, any securities of that company or any affiliate. I am not an insider of a company having an interest in the subject property nor in any property in the immediate area.

Sudbury, Ontario  
October 31, 1984



*G. J. Hinse*  
G. J. Hinse, P. Eng.



*G. J. Hinse*

Figure 1  
 LOCATION AND PROPERTY MAP  
 of  
 LENORA EXPLORATION LIMITED  
 McVITTIE TWP. ONTARIO

Table 1.

SUMMARY OF DIAMOND DRILLING ON OMEGA GROUP

| <u>Hole No.</u> | <u>Location</u> | <u>Dip</u> | <u>Strike</u>       | <u>Length</u> | <u>Comments - Intersections</u>  |
|-----------------|-----------------|------------|---------------------|---------------|--|
| OM 83-28        | 1340E 0500S     | -45        | GN43 <sup>o</sup> W | 459.0'        | Exploration, no sample taken.  |
| OM 83-29        | 1317E 1132N     | -52        | 329 <sup>o</sup>    | 217.0'        | Zone No. 17, 59.0 to 69.9, 0.078/10.9'; 92.1 to 132.4, 0.091/40.3'; 92.1 to 115.7, 0.127/23.6'; 108.3 to 132.4, 0.113/24.1'. |
| OM 83-30        | 1317E 1132N     | -45        | 016 <sup>o</sup>    | 307.0'        | Zone No. 17, low values.   |
| OM 83-31        | 1317E 1132N     | -45        | 295 <sup>o</sup>    | 256.0'        | Zone No. 17, 98.0 to 115.9, 0.184/17.9'; 150.0 to 166.5, 0.28/16.5'; 150.0 to 182.3, 0.189/32.3'.                            |
| OM 83-32        | 1304E 1006N     | -45        | 305 <sup>o</sup>    | 337.0'        | Zone No. 17, 55.0 to 57.3, 0.13/2.3'; 196.7 to 216.9, 0.035/20.2'.   |
| OM 83-33        | 1205E 965N      | -45        | 318 <sup>o</sup>    | 501.0'        | Zone No. 17, 171.0 to 177.9, 0.156/6.9'; 182.9 to 188.9, 0.045/6.0'; 242.2 to 251.5, 0.129/9.3'; 316.5 to 318.9, 0.155/2.4'. |
| OM 83-34        | 1000E 929N      | -45        | 345 <sup>o</sup>    | 317.0'        | Zone No. 17, 39.8 to 54.0, 0.053/14.2'; 241.3 to 252.5, 0.196/11.2'.   |
| OM 83-35        | 1285E 898N      | -45        | 013 <sup>o</sup>    | 427.0'        | Zone No. 17, low values.   |
| OM 83-36        | 055W 1443N      | -45        | 142 <sup>o</sup>    | 301.0'        | East pillar area, 130.0 to 140.0, 0.065/10.0'; 283.0 to 295.0, 0.053/12.0'.  |
| OM 83-37        | 037E 1445N      | -45        | 142 <sup>o</sup>    | 318.0'        | East pillar area, 287.4 to 297.0, 0.044/9.6'.  |
| OM 83-38        | 129W 1426N      | -45        | 142 <sup>o</sup>    | 234.0'        | East pillar area, 186.1 to 192.2, 0.106/6.1'.  |
| OM 83-39        | 137E 1454N      | -45        | 142 <sup>o</sup>    | 185.0'        | East pillar area, 120.0 to 137.1, 0.122/17.1'.   |
| OM 83-40        | 250E 1480N      | -45        | 142 <sup>o</sup>    | 217.0'        | East pillar area, 127.8 to 136.0, 0.202/8.2'; 127.8 to 154.0, 0.107/26.2'.   |
| OM 83-41        | 1318E 979N      | -45        | 329 <sup>o</sup>    | 317.0'        | Zone No. 17, low values.   |
| OM 83-42        | 1180E 1173N     | -45        | 329 <sup>o</sup>    | 167.0'        | Zone No. 17, 100.3 to 107.0, 0.327/6.7'; 100.3 to 128.3, 0.100/28.0'   |
| OM 83-43        | 1115E 1190N     | -45        | 329 <sup>o</sup>    | 259.0'        | Zone No. 17, low values.   |
| OM 83-44        | 1115E 1060N     | -45        | 329 <sup>o</sup>    | 199.0'        | Zone No. 17, 120.2 to 129.2, 0.05/9.0'.  |
| OM 83-45        | 1000E 1050N     | -45        | 329 <sup>o</sup>    | 237.0'        | Zone No. 17, low values.   |



Table 1. (Continued - ...2)

SUMMARY OF DIAMOND DRILLING ON OMEGA GROUP

| <u>Hole No.</u> | <u>Location</u> | <u>Dip</u> | <u>Strike</u>    | <u>Length</u>    | <u>Comments - Intersections</u>  |
|-----------------|-----------------|------------|------------------|------------------|--|
| OM 83-46        | 1125E           | 748N       | -45              | 329 <sup>o</sup> | 427.0' Zone No. 17, 334.9 to 352.4, 0.055/17.5'.   |
| OM 83-47        | 1043E           | 759N       | -45              | 329 <sup>o</sup> | 710.0' Zone No. 17, 334.8 to 351.6, 0.186/16.8; 334.8 to 369.0, 0.110/34.2'  |
| OM 83-48        | 900E            | 816N       | -45              | 329 <sup>o</sup> | 721.0' Zone No. 17, 188.4 to 195.3, 0.099/6.9'; 188.4 to 222.4, 0.055/34.0'  |
| OM 83-49        | 900E            | 816N       | -60              | 329 <sup>o</sup> | 677.0' Zone No. 17, 378.8 to 382.4, 0.18/3.6'; 459.5 to 474.6, 0.106/15.1'.  |
| OM 83-50        | 900E            | 600N       | -70              | 329 <sup>o</sup> | 837.0' Zone No. 17, 681.6 to 722.6, 0.038/41.0; 702.6 to 722.6, 0.047/20.0'  |
| OM 83-51        | 1200E           | 621N       | -45              | 329 <sup>o</sup> | 607.0' Zone No. 17, 37.0 to 46.7, 0.017/9.7'; 440.5 to 447.0, 0.237/6.5'.  |
| OM 83-52        | 1200E           | 621N       | -75              | 329 <sup>o</sup> | 647.0' Zone No. 17, 33.5 to 44.9, 0.021/11.4'.   |
| OM 83-53        | 1300E           | 900N       | -57 <sup>o</sup> | 329 <sup>o</sup> | 408.0' Zone No. 17, 153.0 to 156.0, 0.12/3.0'; 270.0 to 276.0, 0.15/6.0'.  |
| OM 83-54        | 1300E           | 900N       | -83 <sup>o</sup> | 329 <sup>o</sup> | 473.0' Zone No. 17, 272.0 to 278.5, 1.025/6.5' uncut; 0.242/6.5' cut.  |
| OM 83-55        | 1100E           | 650N       | -60 <sup>o</sup> | 329 <sup>o</sup> | 967.0' Zone No. 17, 482.0 to 485.0, 0.17/3.0'.   |
| OM 83-56        | 1100E           | 650N       | -77 <sup>o</sup> | 329 <sup>o</sup> | 621.0' Zone No. 17, low values.  |
| OM 83-57        | 400E            | 200N       | -48 <sup>o</sup> | 329 <sup>o</sup> | 345.0' Exploration, no sample taken.   |
| OM 83-58        | 1300E           | 700N       | -71 <sup>o</sup> | 329 <sup>o</sup> | 605.0' Zone No. 17, 400.0 to 403.3, 0.068/3.3'.  |
| OM 83-59        | 1200E           | BL         | -46 <sup>o</sup> | 329 <sup>o</sup> | 577.0' Exploration.  |
| OM 83-60        | 047W            | 058S       | -45 <sup>o</sup> | GN               | 79.0' West pillar area, 54.0 to 79.0, 0.126/25.0; 70.0 to 79.0, 0.198/9.0'   |
| OM 83-61        | 095W            | 065S       | -45 <sup>o</sup> | GN               | 132.0' West pillar area, 49.0 to 60.2, 0.091/11.2'; 52.0 to 60.2, 0.105/8.2'   |
| OM 83-62        | 150W            | 069S       | -45 <sup>o</sup> | GN               | 141.0' West pillar area, 54.0 to 63.0, 0.118/9.0'; 75.0 to 87.0, 0.143/12.0'; 54.0 to 87.0, 0.097/33.0' assuming stope at average. |
| OM 83-63        | 200W            | 060S       | -45 <sup>o</sup> | GN               | 140.0' West pillar area, 47.8 to 59.1, 0.101/11.3'; 91.4 to 129.9, 0.052/38.5'   |
| OM 83-64        | 250W            | 057S       | -45 <sup>o</sup> | GN               | 193.0' West pillar area, 134.5 to 159.0, 0.041/24.5'.  |
| OM 83-65        | 025E            | 060S       | -45 <sup>o</sup> | GN               | 130.0' East pillar area, 67.5 to 87.5, 0.135/20.0'; 100.6 to 112.6, 0.093/12.0'.   |

Table 1. (Continued...3)

SUMMARY OF DIAMOND DRILLING ON OMEGA GROUP

| <u>Hole No.</u>  | <u>Location</u> | <u>Dip</u> | <u>Strike</u> | <u>Length</u> | <u>Comments - Intersections</u> |   |
|------------------|-----------------|------------|---------------|---------------|---------------------------------|---|
| OM 83-66         | 360E            | 075S       | -45°          | GN            | 97.0'                           | East pillar area, 86.5 to 91.0, 0.351/4.5', hit stope.  |
| OM 83-67         | 360E            | 056S       | -45°          | GN            | 112.0'                          | East pillar area, 63.5 to 71.8, 0.243/8.3'; 63.5 to 79.8, 0.18/16.3'                                |
| OM 83-68         | 565E            | 060S       | -45°          | GN            | 240.0'                          | East pillar area, 184.5 to 206.3, 0.063/22.0'.  |
| OM 83-69         | 665E            | 030S       | -45°          | GN            | 199.0'                          | East pillar area, low values.   |
| OM 83-70         | 765E            | 015S       | -45°          | GN            | 158.0'                          | East pillar area, no sample taken.  |
| OM 83-71         | 862E            | 020S       | -45°          | GN            | 170.0'                          | East pillar area, low values.   |
| OM 83-72         | 975E            | B.L.       | -45°          | GN            | 177.0'                          | East pillar area, low values.   |
| OM 83-73         | 425E            | 122N       | -45°          | GS            | 127.0'                          | East pillar area, 61.5 to 70.5, 0.193/9.0'; 100.5 to 190.5, 0.207/9.0'; 61.5 to 113.5, 0.106/52.0'. |
| OM 83-74         | 555E            | 024N       | -45°          | GN            | 113.0'                          | East pillar area, 86.4 to 89.4, 0.08/3.0'.  |
| OM 83-75         | 525E            | 140N       | -45°          | GS            | 82.0'                           | East pillar area, abandoned in overburden.  |
| OM 83-76         | 439E            | 567S       | -45°          | 88°WG         | 675.0'                          | Testing North Lake zone, 332.0 to 337.0, 0.14/5.0'.   |
| Total            |                 |            |               |               | 16,842.0'                       | 49 holes  |
| Exploration      |                 |            |               |               | 1,381.0'                        | 3 holes   |
| East pillar area |                 |            |               |               | 2,860.0'                        | 16 holes  |
| West pillar area |                 |            |               |               | 685.0                           | 5 holes   |
| No. 17 zone area |                 |            |               |               | 11,241.0'                       | 24 holes  |
| North Lake zone  |                 |            |               |               | 675.0'                          | 1 hole  |

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Table 2.

SUMMARY OF DIAMOND DRILLING ON LAKE ZONE

| <u>Hole No.</u> | <u>Location</u> | <u>Dip</u> | <u>Strike</u> | <u>Length</u> | <u>Comments - Intersections</u>                         |
|-----------------|-----------------|------------|---------------|---------------|---|
| L 82-1          |                 | -45        |               | 151.0'        | Low values.   |
| L 82-2          |                 | -45        |               | 104.0'        | 54.0 to 59.0, 0.15/5.0'; 76.3 to 81.3, 0.05/5.0'.       |
| L 82-3          |                 | -70        |               | 185.8'        | 109.9 to 114.0, 0.28/4.1'; 149.0 to 164.0, 0.047/15.0'. |
| L 82-4          |                 | -45        |               | 127.0'        | 48.5 to 52.7, 0.06/3.6'.                                |
| L 82-5          |                 | -70        |               | 132.0'        | 78.0 to 93.0, 0.068/25.0'.                              |
| L 82-6          |                 | -70        |               | 103.0'        | 75.0 to 90.0, 0.053/15.0'.                              |
| L 82-7          |                 | -45        |               | 83.0'         | 43.0 to 50.2, 0.045/7.2'.                               |
| L 82-8          |                 | -70        |               | 113.0'        | Low values.   |
| L 82-9          |                 | -45        |               | 82.0'         | 67.4 to 76.4, 0.054/9.0'.                               |
| L 82-10         |                 | -70        |               | 153.0'        | Low values.   |
| L 83-11         |                 | -45        |               | 113.0'        | 75.8 to 86.5, 0.097/10.7'.                              |
| L 83-12         |                 | -50        |               | 121.0'        | Low values.   |
| L 83-13         |                 | -45        |               | 132.0'        | 79.0 to 83.6, 0.082/4.6'.                               |
| L 83-14         |                 | -45        |               | 213.0'        | No sample taken.  |
| L 83-15         |                 | -45        |               | 153.0'        | Low values.   |
| L 83-16         |                 | -45        |               | 220.0'        | Low values.   |
| L 83-17         |                 | -45        |               | 254.0'        | 213.5 to 232.5, 0.048/19.0'.                            |
| L 83-18         |                 | -45        |               | 130.0'        | 75.6 to 81.6, 0.152/6.0'.                               |
| L 83-19         |                 | -70        |               | 154.0'        | Low values.   |
| L 83-20         |                 | -45        |               | 143.0'        | 81.6 to 90.6, 0.189/9.0'.                               |
| L 83-21         |                 | -45        |               | 102.0'        | 69.4 to 75.0, 0.054/5.6'.                               |
| L 83-22         |                 | -45        |               | 110.0'        | Low values.   |

Table 2. (Continued - ...2)

SUMMARY OF DIAMOND DRILLING ON LAKE ZONE

| <u>Hole No.</u>       | <u>Location</u> | <u>Dip</u> | <u>Strike</u> | <u>Length</u> | <u>Comments - Intersections</u> |
|-----------------------|-----------------|------------|---------------|---------------|---------------------------------|
| L 83-23               |                 | -45        |               | 130.0'        | Low values.                     |
| L 83-24               |                 | -45        |               | 128.0'        | Low values.                     |
| L 83-25               |                 | -70        |               | 228.0'        | No sample taken.                |
| L 83-26               |                 | -45        |               | 501.5'        | Low values.                     |
| L 83-27               |                 | -70        |               | 316.0'        | Low values.                     |
| Total                 |                 |            |               | 4,382.3'      | 29 holes                        |
| Total drilled in 1983 |                 |            |               | 1,233.8'      | 12 holes                        |
| Total drilled in 1984 |                 |            |               | 3,148.5'      | 17 holes                        |

Revised Feb. 22/84.

Table 3.

SUMMARY OF DIAMOND DRILLING ON SOUTHWEST ZONE

| <u>Hole No.</u> | <u>Location</u> |      | <u>Dip</u> | <u>Strike</u> | <u>Length</u> | <u>Comments</u>   |
|-----------------|-----------------|------|------------|---------------|---------------|---|
| SW 80-1         | 527W            | 562N | -45        | N             | 206.0'        | SW zone, 69.1 to 73.3, 0.17/4.2'; 100.0 to 105.0, 0.13/5.0'.    |
| SW 80-2A        | 626W            | 322N | -55        | N             | 97.0'         | Abandoned in overburden.  |
| SW 80-2B        | 626N            | 322N | -60        | N             | 447.0'        | Low values.   |
| SW 80-3         |                 |      | -45        | N             | 81.0'         | SW zone, 22.0 to 33.0, 0.13/11.0'; 19.5 to 44.8, 0.08/25.3'.    |
| SW 80-4         |                 |      | -90        |               | 141.0'        | SW zone, 118.5 to 123.5, 0.06/5.0'.                             |
| SW 80-5         | 427N            | 413N | -50        | N             | 297.0'        | SW zone, low values.  |
| SW 80-6         | 250W            | 360N | -45        | N47°E         | 286.0'        | SW zone, low values.  |
| SW 80-7         |                 |      | -55        | N47°E         | 418.0'        | SW zone, low values.  |
| SW 80-8         | 600W            | 660N | -45        | N             | 297.0'        | SW zone, low values.  |
| SW 80-9         | 692W            | 437N | -57        | N             | 597.0'        | SW zone, 473.0 to 477.0, 0.06/4.0'.                             |
| SW 80-10        | 295W            | 125N | -58        | N45°E         | 417.0'        | SW zone, low values.  |
| SW 80-11        |                 |      | -45        | N             | 438.0'        | SW zone, 43.0 to 57.0, 0.31/14.0'.                              |
| SW 83-12        |                 |      | -45        |               | 117.0'        | SW zone, 39.8 to 75.0, 0.107/35.2'; 55.0 to 64.0, 0.286/9.0'.   |
| SW 83-13        |                 |      | -70        |               | 128.0'        | SW zone, 74.5 to 95.5, 0.167/21.0'; 71.5 to 110.5, 0.117/39.0'. |
| SW 83-14        |                 |      | -45        |               | 151.0'        | SW zone, 70.0 to 85.0, 0.112/15.0'.                             |
| SW 83-15        |                 |      | -70        |               | 151.0'        | SW zone, 100.0 to 103.0, 0.16/3.0'.                             |
| SW 83-16        |                 |      | -45        |               | 150.0'        | SW zone, 28.8 to 46.4, 0.093/18.0'; 34.4 to 43.4, 0.132/9.0'.   |
| SW 83-17        |                 |      | -70        |               | 120.0'        | SW zone, 44.5 to 53.5, 0.166/9.0'; 44.5 to 58.7, 0.140/14.2'.   |
| SW 83-18        |                 |      | -45        |               | 137.0'        | SW zone, low values.  |
| SW 83-19        |                 |      | -70        |               | 112.0'        | SW zone, low values.  |
| SW 83-20        |                 |      | -45        |               | 151.0'        | SW zone, low values.  |
| SW 83-21        |                 |      | -45        |               | 108.0'        | SW zone, no sample taken.                                       |

Table 3. (Continued -...2)

SUMMARY OF DIAMOND DRILLING ON SOUTHWEST ZONE

| <u>Hole No.</u> | <u>Location</u> |       | <u>Dip</u>       | <u>Strike</u>      | <u>Length</u> | <u>Comments</u>                              |
|-----------------|-----------------|-------|------------------|--------------------|---------------|--|
| SW 83-21A       |                 |       | -50              |                    | 27.0'         | SW zone, no sample taken.                    |
| SW 83-22        |                 |       | -70              |                    | 150.0'        | SW zone, no sample taken.                    |
| SW 83-23        |                 |       | -45              |                    | 137.0'        | SW zone, no sample taken.                    |
| SW 83-24        |                 |       | -45              |                    | 127.0'        | SW zone, no sample taken.                    |
| SW 83-25        |                 |       | -45              |                    | 100.0'        | SW zone, no sample taken.                    |
| SW 83-26        | 780W            | 610N  | -45              | G24 <sup>o</sup> E | 202.0'        | SW zone, no sample taken.                    |
| SW 83-27        | 930W            | 615N  | -45              | G24 <sup>o</sup> E | 191.0'        | SW zone, low values.                         |
| SW 83-28        | 200W            | 1105N | -45 <sup>o</sup> | G20 <sup>o</sup> E | 313.0'        | To test geophysical conductors, low values.. |
| SW 83-29        | 933W            | 626N  | -75 <sup>o</sup> | G20 <sup>o</sup> E | 277.0'        | SW zone, low values.                         |
| SW 83-30        | 3600W           | 1160N | -45 <sup>o</sup> | G20 <sup>o</sup> E | 581.0'        | Extension of SW zone, low values.            |
| SW 83-31        | 2400W           | 850N  | -45 <sup>o</sup> | G20 <sup>o</sup> E | 357.0         | Extension of SW zone, low values.            |

|                               |  |  |  |  |          |          |
|-------------------------------|--|--|--|--|----------|----------|
| Total                         |  |  |  |  | 7,509.0' | 33 holrs |
| Total drilled SW zone in 1980 |  |  |  |  | 3,722.0' | 12 holes |
| Total drilled SW zone in 1983 |  |  |  |  | 2,536.0' | 18 holes |
| Total exploration in 1983     |  |  |  |  | 313.0'   | 1 hole   |
| Total extension of SW zone    |  |  |  |  | 938.0'   | 2 holes  |
| Total drilled in 1983         |  |  |  |  | 3,787.0' | 21 holes |

Revised Feb. 22/84.

41105-67

Table 4.

SUMMARY OF SURFACE WORK

| <u>Group</u>   | <u>Trench</u> | <u>Zone</u> | <u>Location</u> | <u>Length</u> | <u>Width</u> | <u>Depth</u> | <u>Cubic<br/>Yards</u> | <u>Channel Sampling<br/>(feet)</u> |
|--|---------------|-------------|-----------------|---------------|--------------|--------------|------------------------|------------------------------------|
| Southwest  | A             |             |                 | 270.0'        | 11.0'        | 8.0'         | 880                    |                                    |
| Southwest  | B             |             |                 | 230.0'        | 16.0'        | 10.0'        | 1362                   |                                    |
|  |               |             |                 | 500.0'        | 15.0'        | 10.0'        | 2777                   |                                    |
|  |               |             |                 | 80.0'         | 10.0'        | 5.0'         | 148                    |                                    |
| Southwest  | C             |             |                 | 360.0'        | 18.0'        | 10.0'        | 2400                   |                                    |
| Southwest  | D             |             |                 | 205.0'        | 18.0'        | 10.0'        | 1366                   |                                    |
| Southwest  | E             |             |                 | 147.0'        | 15.0'        | 10.0'        | 816                    |                                    |
| Southwest  | F             |             |                 | 160.0'        | 10.0'        | 3.0'         | 177                    |                                    |
| Southwest  | G             |             |                 | 130.0'        | 22.0'        | 15.0'        | 1588                   |                                    |
| Southwest  | H             |             |                 | 120.0'        | 60.0'        | 15.0'        | 4000                   |                                    |
|  |               |             |                 | 160.0'        | 10.0'        | 3.0'         | 177                    |                                    |
| Southwest  | I             |             |                 | 180.0'        | 15.0'        | 5.0'         | 500                    |                                    |
| Southwest  | J             |             |                 | 60.0'         | 18.0'        | 15.0'        | 600                    |                                    |
| Southwest  | K             |             |                 | 210.0'        | 15.0'        | 20.0'        | 2333                   |                                    |
| Southwest  | Main Pit      |             |                 |               |              |              |                        | 161.7'                             |
| 3,200 tons removed from Southwest zone pit, 500 cubic yards of overburden removed for ramp access. |               |             |                 |               |              |              |                        |                                    |
| Total, including overburden removed from Southwest zone pit  |               |             |                 |               |              |              | 10,624                 |                                    |
| Southwest Main Pit bulk sample: 3,576 tons   |               |             |                 |               |              |              |                        |                                    |
| Omega  | 1             | No. 17      |                 | 220.0'        | 60.0'        | 25.0'        | 12222                  | 66.5'                              |
|  |               |             |                 | 18.0'         | 70.0'        | 20.0'        | 933                    | 80.5'                              |
|  |               |             |                 | 20.0'         | 70.0'        | 20.0'        | 1037                   | 47.5                               |

G. J. HINSE, P. ENG.

Table 4. (Continued -...2)

| Group | Trench    | Zone              | <u>SUMMARY OF SURFACE WORK</u> |               |              |              | Cubic<br>Yards | Channel Sampling<br>(feet) |
|-------|-----------|-------------------|--------------------------------|---------------|--------------|--------------|----------------|----------------------------|
|       |           |                   | <u>Location</u>                | <u>Length</u> | <u>Width</u> | <u>Depth</u> |                |                            |
|       |           |                   |                                |               |              |              | 55.0'          |                            |
| Omega | 3         | No. 17            |                                | 120.0'        | 20.0'        | 20.0'        | 1777           | 73.0'                      |
| Omega | 4         | No. 17            |                                | 120.0'        | 18.0'        | 18.0'        | 1440           |                            |
| Omega | 5         | No. 17            |                                | 215.0'        | 15.0'        | 18.0'        | 2150           | 131.0'                     |
| Omega | 6         | No. 17            |                                | 230.0'        | 14.0'        | 20.0'        | 2385           | 136.5'                     |
| Omega | 7         | No. 17            |                                | 135.0'        | 13.0'        | 18.0'        | 1126           |                            |
| Omega | 8         | No. 17            |                                | 300.0'        | 15.0'        | 15.0'        | 2500           |                            |
| Omega | Test pits |                   |                                | 20.0'         | 5.0'         | 30.0'        | 111            |                            |
|       |           |                   |                                | 15.0'         | 12.0'        | 30.0'        | 200            |                            |
|       |           |                   |                                | 20.0'         | 15.0'        | 30.0'        | 333            |                            |
| Total |           |                   |                                |               |              |              | 26,214         |                            |
| Omega |           | West Crown Pillar |                                |               |              |              | 10,000         | 173.5'                     |

Lake Claim bulk sample: 2,768 tons

Revised Feb. 22/84.





APPENDIX 1.

Results of Bulk Sampling on Southwest and Lake Zones.



Ministry of  
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Resources

Ontario

Temiskaming  
Testing  
Laboratories

P.O. Box 799  
Presley St.  
Cobalt, Ontario

...21

Certificate of Weights

Date April 11, 19 81

Name Lenora Explorations

Address 67 Richmond Street West, Suite 500, Toronto, Ontario c/o Glenn Kasner

Mine No. Au Crude Ore Sample

Smelter No.

Our No. Lot 6939

Metallics

Iron

| Drums                      |                 |
|----------------------------|-----------------|
| Number of <del>Boxes</del> | 4               |
| Gross Weight               | 2,864 lbs.      |
| Tare                       | 146             |
| Net                        | 2,718           |
| Moisture                   |                 |
| Dry Weight                 | 2,718 lbs.      |
| Assay                      | 0.083 oz/ton Au |
| Fine Ozs.                  |                 |

*D. L. Lawler*

Manager's Signature

Form 1091



Ontario

Ministry of  
Natural  
Resources

Temiskaming  
Testing  
Laboratories

P.O. Box 799  
Presley St.  
Cobalt, Ontario

Tel: 679-8313

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Report Number

CB 6499

Laboratory Report

Date April 11, 19

Issued To: Lenora Explorations

67 Richmond Street West, Suite 500, Toronto, Ontario

| Sample Number | Gold<br>Oz.<br>Per Ton | Gold<br>Value<br>Per Ton | Silver<br>Oz.<br>Per Ton | c/o Glenn Kasner |       |
|---------------|------------------------|--------------------------|--------------------------|------------------|-------|
| Lot 6939      |                        |                          |                          |                  |       |
| Total         | 0.082                  |                          | 0.085                    | 0.084            | 0.081 |
| Average       | 0.083                  | oz/ton                   | Au                       |                  |       |

Fees Received Charged Invoice #02395

D. L. Laidler  
Manager

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qualifying remarks made by this ministry with reference to any sample.



Ministry of  
Natural  
Resources

Temiskaming  
Testing  
Laboratories

P.O. Box 709  
Presley St.  
Cobalt, Ontario

Ontario

Certificate of Weights

Date April 11, 19  

Name Lenora Explorations

Address 67 Richmond Street West, Suite 500, Toronto, Ontario c/o Glenn Kasne

Mine No. Au Crude Ore Sample

Smelter No.

Our No. Lot 6940

Metallics

Iron

|   |                 |
|---|-----------------|
| Number of <del>Boxes</del> <sup>Drums</sup> | 4               |
| Gross Weight                                | 2,890 lbs.      |
| Tare  | 171             |
| Net   | 2,719           |
| Moisture                                    |                 |
| Dry Weight                                  | 2,719 lbs.      |
| Assay                                       | 0.042 oz/ton Au |
| Fine Ozs.                                   |                 |

*[Handwritten Signature]*

Manager's Signature



Ontario

Ministry of  
Natural  
Resources

Temiskaming  
Testing  
Laboratories

P.O. Box 799  
Presley St.  
Cobalt, Ontario

Tel: 679-8313

...24

Report Number

CB 6500

Laboratory Report

Date April 11, 1983

Issued To: Lenora Explorations

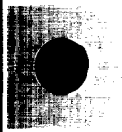
67 Richmond Street West, Suite 500, Toronto, Ontario

| Sample Number | Gold<br>Oz.<br>Per Ton | Gold<br>Value<br>Per Ton | Silver<br>Oz.<br>Per Ton | c/o Glenn Kasner |       |
|---------------|------------------------|--------------------------|--------------------------|------------------|-------|
| Lot 6940      |                        |                          |                          |                  |       |
| Total         | 0.042                  |                          | 0.041                    | 0.043            | 0.042 |
| Average       | 0.042                  | oz/ton Au                |                          |                  |       |

Fees Received Charged Invoice #02396

*D.L. Lauder*  
Manager

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APPENDIX 2

Diamond Drill Logs of Holes L 83-11 to L 83-27



DIAMOND DRILL LOG

|  |  |                    |
|--|--|--------------------|
| Company: Lenora Exploration Limited        | Date Started:                                    | Hole No. L 83-11   |
| Location: Lake Claim                       | Date Finished:                                   | Page No. 1         |
| Level: Surface                             | Logged by: Glenn Kasner                          | Signed: _____      |
| Bearing:                                   | Core Saved or Discarded: Stored at Kenogami Lake | Core Size: BQ      |
| Inclination: -45°                          | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Total Depth: 113.0 feet                    | Project: 1022                                    | At: No test taken. |
| Location of Collar:                        |  | At:                |
| Drilled by: Prospect Diamond Drilling Ltd. |  |                    |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To  | Au<br>oz/ton |
|----------------------|---|------------------|------------|--------------|
| 0.0 6.0              | Casing  |                  |            |              |
| 6.0 33.0             | Ultramafic conglomerate, up to 10% pyrite in clusters throughout, stretched chert clasts.<br>6" rusty at 25.0.  |                  |            |              |
| 33.0 40.0            | Grey sandstone grading to buff, massive, less than 2% pyrite, contact at 45° to core axis.  |                  |            |              |
| 40.0 48.5            | Green beach conglomerate.   |                  |            |              |
| 48.5 56.5            | Ore zone, grey cherty, 5-8% pyrite, somewhat syenitized.  | 5246             | 48.5 52.3  | .04          |
|                      |   | 5247             | 52.5 56.5  | .01          |
| 56.5 67.0            | Green beach conglomerate, up to 80% stretched green carbonate clasts, less than 2% pyrite, contact at 45° to core axis.                                   |                  |            |              |
| 67.0 76.8            | Coarse grained sandstone, buff and grey caused by 10-30% biotite mica, quartz stringers throughout, 1/2" to 3/4" wide.<br>At 76.8, 1" quartz vein, rusty. |                  |            |              |
| 75.8 80.0            | Mainly buff ore zone (intermixed sandstone), 10-15% pyrite.   | 5248             | 75.8 80.0  | .09          |
| 80.0 86.5            | Ore zone, buff grading to grey cherty, 10-15% fine pyrite.  | 5249             | 80.0 84.4  | .07          |
|                      | As above, grey cherty, 10-15% py.   | 5250             | 84.4 86.5  | .17          |
| 86.5 91.5            | Buff coarse grained sandstone intermixed with ore zone material. 3-5% pyrite.   | 5251             | 86.5 91.5  | .02          |
| 91.5 96.5            | Buff sandstone with ore zone material, 1/4 and 1/2" quartz veins, up to 15% pyrite.   | 5252             | 91.5 96.5  | .06          |
| 96.5 113.0           | Dirty buff sandstone with ultramafic shards. Quartz throughout, 5-6% pyrite.<br>Becoming syenitized at 104.0.   | 5253             | 96.5 100.0 | .02          |
| 113.0                | End of hole.  |                  |            |              |
|                      | AVERAGE: 75.8 to 86.5, 10.7 feet of 0.097   |                  |            |              |

Handwritten notes: } 4.2, } 4.4, } 2.1, .097 / 10.7'

Jan. 18/84.

DIAMOND DRILL LOG

|  |                                 |                         |
|--|---------------------------------|-------------------------|
| Company: Lenora Exploration Limited        | Hole No. L 83-12                |                         |
| Location: Lake Claim                       | Date Started:                   | Page No. 1              |
| Level: Surface                             | Date Finished:                  | Core Size: BQ           |
| Bearing:                                   | Logged by: Glenn Kasner         | Signed: _____           |
| Inclination: -50°                          | Core Saved or Discarded:        | Stored at Kenogami Lake |
| Total Depth: 121.0 feet                    | Casing Pulled: (X) or Left: ( ) | Acid Tests:             |
| Location of Collar:                        | Project: 1022                   | At: No test taken.      |
| Drilled by: Prospect Diamond Drilling Ltd. |                                 | At:                     |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number   | Au<br>oz/ton |
|----------------------|---|--|--------------|
| 0.0 6.0              | Casing  |  |              |
| 6.0 32.5             | Ultramafic conglomerate with 5-7% pyrite in clusters, chert clasts.   |  |              |
| 32.5 42.0            | Grey grading to buff sandstone, 3% pyrite locally.  |  |              |
| 41.0 45.6            | Beach conglomerate, green, 30% stretched carbonate clasts, 43.7 to 45.6, same as above, rusty broken  |  |              |
| 45.6 48.5            | Green beach conglomerate, grading to fine grained sandstone.  |  |              |
| 48.5 49.9            | Intermixed fine grained buff sandstone and green beach conglomerate. Could contain large clasts, 1.0' plus, of buff sandstone.  |  |              |
| 49.9 68.0            | Ore zone, cherty grey to buff, quartz throughout, up to 15% pyrite, contains more chert towards the end of the zone.  | 5254 49.9 52.9 .02<br>5255 52.9 55.9 .01<br>5256 55.9 58.9 .005<br>5257 58.9 61.9 .02<br>5258 61.9 64.9 .02<br>5259 64.9 68.0 .002 |              |
| 68.0 86.3            | Buff coarse grained sandstone with ore zone material. Contact at 46° to core axis, large quartz grains, up to 10% pyrite locally, quartz veining throughout.  | 5260 68.1 73.1 .005<br>5261 73.1 78.1 .01<br>5262 78.1 83.1 .005<br>5263 83.1 86.3 .005  |              |
| 86.3 92.6            | Ore zone, contact at 46° to core axis, grey cherty, 5-7% pyrite.  | 5264 86.3 89.3 .01<br>5265 89.3 92.6 .01 .01   |              |
| 92.6 103.0           | Mixture of buff and grey-biotite-rich sandstone, syenitized, very coarse grained, sericite-rich grey matrix, black beach shards.<br>At 100.0, shearing parallel to core axis.<br>At 109.0, 2" of brecciated green chlorite. |  |              |
| 103.0 116.0          | Syenitized sandstone, fine grained, mafic shards.   |  |              |
| 116.0 121.0          | Black mafic sediment, somewhat syenitized, 1-2% pyrite.   |  |              |
| 121.0                | End of hole.  |  |              |

NO AVERAGE CALCULATED.

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DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited            | Hole No. L 83-13                                 |
| Location: Lake Claim                           | Date Started: Page No. 1                         |
| Level: Surface                                 | Date Finished: Core Size: BQ                     |
| Bearing:                                       | Logged by: Glenn Kasner Signed: _____            |
| Inclination: -45°                              | Core Saved or Discarded: Stored at Kenogami Lake |
| Total Depth: 132.0 feet                        | Casing Pulled: (X) or Left: ( ) Acid Tests:      |
| Location of Collar:                            | Project: 1022 At: No test taken.                 |
| Drilled by: Prospect Diamond Drilling Limited. | At:  |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|---|------------------|-----------|--------------|
| 0.0 7.0              | Casing  |                  |           |              |
| 7.0 13.4             | Ultramafic conglomerate, barren, lineated 60° to core axis.   |                  |           |              |
| 13.4 36.8            | Green beach conglomerate, 30% stretched carbonate clasts, containing one short section of buff sandstone.   |                  |           |              |
| 36.8 48.2            | Buff, cherty, albite-rich?, coarse grained sandstone, quartz veining, ¼ to ½". Up to 10% well rounded chert clasts, average 1-2 mm, largest 3-4 mm, looks like a microconglomerate. | 5266             | 40.2 45.2 | .002         |
| 48.2 72.0            | Pale green and buff sandstone, 5% pyrite locally, containing ore zone material. Cherty sandstone in sharp contact with buff sandstone.  | 5267             | 50.0 55.0 | .002         |
|                      |   | 5268             | 55.0 59.8 | .002         |
| 72.0 73.0            | Green carbonate, rusty  |                  |           |              |
| 73.0 83.6            | Ore zone, grey cherty to buff, up to 15% pyrite locally, 40% quartz veining.  | 5269             | 73.0 76.0 | .02          |
|                      |   | 5270             | 76.0 79.0 | .02          |
|                      |   | 5271             | 79.0 82.0 | .06 .06      |
|                      |   | 5272             | 82.0 83.6 | .123         |
| 83.6 99.0            | Buff sandstone, fine grained grading to mafic towards end of section. More quartz towards end of section.<br>97.0, 2" highly rusty.   |                  |           |              |
| 99.0 101.8           | Syenitized sandstone, brecciated with quartz and feldspar, contorted.   |                  |           |              |
| 101.8 105.1          | Coarse grained mafic sandstone.   |                  |           |              |
| 105.1 110.0          | Coarse grained syenitized sandstone, less than 1% pyrite.   |                  |           |              |
| 110.0 115.0          | Coarse grained, 40% biotite, lamprophyre? (Seen in previous holes). No sharp contact, could be recrystallized material. Less than 1 to 2% pyrite, contact at 40° to core axis.      |                  |           |              |
| 115.0 128.0          | Ultramafic conglomerate, 80-90% stretched clasts in a carbonate-rich matrix. Some sub-rounded clasts, 10-40mm, 3-5% pyrite.   |                  |           |              |
| 128.0 132.0          | Syenitized ultramafic conglomerate, few clasts, 1-15 mm, less than 1% pyrite, almost all recrystallized and incorporated in syenite material.                                       |                  |           |              |
| 132.0                | End of hole.  |                  |           |              |
|                      | AVERAGE: 79.0 to 83.6, 4.6 feet of 0.082  |                  |           |              |

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DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited        | Hole No. L 83-14                                  |
| Location: Lake Claim                       | Date Started: _____<br>Page No. 1                 |
| Level: Surface                             | Date Finished: _____<br>Core Size: BQ             |
| Bearing: _____                             | Logged by: Glenn Kasner Signed: _____             |
| Inclination: -45°                          | Core Saved or Discarded: Stored at Kenogami Lake  |
| Total Depth: 213.0 feet                    | Casing Pulled: (X) or Left: ( ) Acid Tests: _____ |
| Location of Collar: _____                  | Project: 1022 At: No test taken.                  |
| Drilled by: Prospect Diamond Drilling Ltd. | At: _____   |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 13.0             | Casing  |                            |              |
| 13.0 33.5            | Fine grained dark grey sediment (possible sandstone) containing small fragments of dark material, sheared, contorted.   |                            |              |
| 33.5 34.7            | Buff fine grained sandstone, massive, 70° to core axis.   |                            |              |
| 34.7 52.1            | Ultramafic conglomerate? Quartz and feldspar throughout section, brecciated pinkish becoming more broken towards end of section, several rusty slips and sections. Contact at 70° to core axis. Locally syenitized. Contains at 45.0, 3.0 feet of syenitized sandstone.<br>48.0-52.1, very broken up, fault.  |                            |              |
| 52.1 55.0            | Syenitized ultramafic conglomerate, cherty clasts, less than 1% pyrite.   |                            |              |
| 55.0 84.4            | Black fine grained sediment, contains occasional dark clasts, 15 mm, narrow quartz stringers throughout. Brecciation decreases to 84.0.   |                            |              |
| 84.4 213.0           | Ultramafic conglomerate, narrow quartz stringers and pink calcite throughout section. Contact at 20° to core axis. Somewhat syenitized in places. Little pyrite. Relatively few ultramafic and green chlorite clasts in a syenitized matrix.<br>139.0-140.0, rusty slips.<br>160.0, looks like a syenitized sandstone, original rock almost completely destroyed. |                            |              |
| 213.0                | End of hole.  |                            |              |

NO AVERAGE CALCULATED.

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DIAMOND DRILL LOG

|   |                                 |                         |
|---|---------------------------------|-------------------------|
| Company: Lenora Exploration Limited           | Hole No. L 83-15                |                         |
| Location: Lake Claim                          | Date Started:                   | Page No. 1              |
| Level: Surface                                | Date Finished:                  | Core Size: BQ           |
| Bearing:                                      | Logged by: Glenn Kasner         | Signed: _____           |
| Inclination: -45°                             | Core Saved or Discarded:        | Stored at Kenogami Lake |
| Total Depth: 153.0 feet                       | Casing Pulled: (X) or Left: ( ) | Acid Tests:             |
| Location of Collar:                           | Project: 1022                   | At: No test taken.      |
| Drilled by: Prospect Diamond Drilling Limited |                                 | At:                     |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|--|------------------|-----------|--------------|
| 0.0 15.0             | Casing   |                  |           |              |
| 15.0 20.0            | Medium grained mafic sandstone with short sections of fine grained grey sandstone. Contact at 45° to core axis.<br>15.0-59.8, quartz-feldspar, brecciated, weakly sheared locally 45° to core axis. Several rusty slips. |                  |           |              |
| 20.0 52.0            | Coarse grained mafic sandstone, little pyrite.<br>35.0-52.0, becoming syenitized towards end of section.   |                  |           |              |
| 52.0 53.0            | Syenitized ore zone, 3% pyrite.  |                  |           |              |
| 53.0 59.8            | Ultramafic conglomerate, 30% mafic clasts in a carbonate-rich matrix.  |                  |           |              |
| 59.8 80.0            | Syenitized ore zone, up to 10% pyrite locally, contact at 52° to core axis.<br>75.0-78.0, highly broken up, fault, rusty.  | 5724             | 59.8 62.8 | .01          |
|                      |  | 5725             | 62.8 65.8 | .02          |
|                      |  | 5726             | 65.8 68.8 | .02          |
|                      |  | 5727             | 68.8 71.8 | .02          |
|                      |  | 5728             | 71.8 74.8 | .01          |
|                      |  | 5729             | 74.8 80.0 | .005         |
| 80.0 83.0            | Ultramafic conglomerate, barren.   |                  |           |              |
| 83.0 85.0            | Ore zone, somewhat syenitized, massive quartz near end of section, 5-8% pyrite locally.  | 5730             | 83.0 88.0 | .02          |
| 85.0 153.0           | Ultramafic conglomerate, 5 to 10% remnants of ultramafic clasts and green chlorite in a syenitized matrix, massive.  |                  |           |              |
|                      | In general, with increased syenitization of conglomerate, size of remaining clasts decreases proportionally, thus locally, the rock grades gradually to a texture resembling a sandstone.                                |                  |           |              |
| 153.0                | End of hole.   |                  |           |              |
|                      | NO AVERAGE CALCULATED.   |                  |           |              |

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DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Lake Claim  
 Level: Surface  
 Bearing:  
 Inclination: -45°  
 Total Depth: 220.0 feet  
 Location of Collar:  
 Drilled by: Prospect Diamond Drilling Limited

Date Started:  
 Date Finished:  
 Logged by: Glenn Kasner  
 Core Saved or Discarded: Stored at Kenogami Lake  
 Casing Pulled: (X) or Left: ( )  
 Project: 1022

Hole No. L 83-16  
 Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests:  
 At:  
 At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 19.0             | Casing   |                  |             |              |
| 19.0 94.0            | Sheared and contorted ultramafic conglomerate, 50% clasts, locally up to 10% pyrite in nodules.<br>75.0-94.0, Highly broken up, possible fault.<br>83.0-86.0, broken, rusty.                           |                  |             |              |
| 94.0 124.0           | Syenitized ore zone, 5% pyrite locally, brecciated.  | 5731             | 95.0 100.0  | .005         |
|                      |  | 5732             | 100.0 105.0 | .01          |
|                      |  | 5733             | 105.0 110.0 | .002         |
|                      |  | 5734             | 110.0 115.0 | .005         |
|                      |  | 5735             | 115.0 120.0 | .005         |
|                      |  | 5736             | 120.0 124.0 | .002         |
| 124.0 220.0          | Syenitized ultramafic conglomerate. Contact at 45° to core axis.<br>Less than 5% green chlorite clasts in a syenitized matrix. Locally clasts are indistinct, particularly along last 30 feet of hole. |                  |             |              |
| 220.0                | End of hole.   |                  |             |              |
|                      | NO AVERAGE CALCULATED.   |                  |             |              |

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DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Hole No. L 83-17                                 |                    |
| Location: Lake Claim                          | Date Started:                                    | Page No. 1         |
| Level: Surface                                | Date Finished:                                   | Core Size: BQ      |
| Bearing:                                      | Logged by: Glenn Kasner                          | Signed: _____      |
| Inclination: -45°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 254.0 feet                       | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 15.0             | Casing  |                  |             |              |
| 15.0 169.0           | Ultramafic conglomerate, 15 to 30% clasts, locally up to 50-70% clasts up to 40 mm, up to 3-4% disseminated pyrite. Slightly syenitized or dioritized, contorted and broken up. |                  |             |              |
|                      | 78.0-165.0, ultramafic conglomerate with up to 10% nodular pyrite.  | 5798             | 35.0 40.0   | N11          |
|                      |   | 5799             | 96.0 102.0  | .002         |
| 169.0 192.5          | Ultramafic conglomerate.  |                  |             |              |
|                      | 173.0, 1.0' sheared 30° to core axis.   |                  |             |              |
|                      | 185.0-190.0, broken up, several rusty slips.  |                  |             |              |
| 192.5 248.8          | Syenitized ore zone, somewhat dirty, 10% pyrite locally.  | 5737             | 192.5 195.5 | .005         |
|                      |   | 5738             | 195.5 198.5 | .005         |
|                      |   | 5739             | 198.5 201.5 | .04          |
|                      |   | 5740             | 201.5 204.5 | .01          |
|                      |   | 5741             | 204.5 207.5 | .02          |
|                      |   | 5742             | 207.5 210.5 | .005         |
|                      |   | 5743             | 210.5 213.5 | .005         |
|                      |   | 5744             | 213.5 216.5 | .13          |
|                      |   | 5745             | 216.5 219.5 | .04          |
|                      |   | 5746             | 219.5 222.5 | .02          |
|                      |   | 5747             | 222.5 227.5 | .01          |
|                      |   | 5748             | 227.5 232.5 | .06          |
|                      |   | 5749             | 232.5 237.5 | .002         |
|                      |   | 5782             | 237.5 242.5 | .02          |
|                      |   | 5783             | 242.5 248.5 | .02          |
| 248.5 254.0          | Syenitized ultramafic conglomerate.   |                  |             |              |
| 254.0                | End of hole.  |                  |             |              |
|                      | AVERAGE: 213.5 to 232.5, 19.0 feet of 0.048   |                  |             |              |

Jan. 18/84.

DIAMOND DRILL LOG

|   |                                 |                         |
|---|---------------------------------|-------------------------|
| Company: Lenora Exploration Limited           | Hole No. L 83-18                |                         |
| Location: Lake Claim                          | Date Started:                   | Page No. 1              |
| Level: Surface                                | Date Finished:                  | Core Size: BQ           |
| Bearing:                                      | Logged by: Glenn Kasner         | Signed: _____           |
| Inclination: -45°                             | Core Saved or Discarded:        | Stored at Kenogami Lake |
| Total Depth: 130.0 feet.                      | Casing Pulled: (X) or Left: ( ) | Acid Tests:             |
| Location of Collar:                           | Project: 1022                   | At: No test taken.      |
| Drilled by: Prospect Diamond Drilling Limited |                                 | At:                     |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number  | Au<br>oz/ton |
|----------------------|--|---|--------------|
| 0.0 11.0             | Casing.  |   |              |
| 11.0 52.4            | Syenitized ultramafic conglomerate. Original texture almost totally destroyed.   |   |              |
| 52.4 66.5            | Grey sandstone, occasional green shards, ½ to 1", little pyrite.   |   |              |
| 66.5 75.6            | Green beach conglomerate, contacts at 44° to core axis, 30% green mica-rich clasts, up to 20% quartz and feldspar through section. |   |              |
| 75.6 91.0            | Ore zone, cherty grey to buff, abundant quartz through section, up to 15% pyrite.  | 5273 75.6 78.6 0.203<br>5274 78.6 81.6 0.10<br>5275 81.6 84.6 0.03<br>5276 84.6 87.6 0.01<br>5277 87.6 91.0 0.005 |              |
| 91.0 93.6            | Buff sandstone.  | 5278 91.0 93.6 0.005  |              |
| 93.6 97.0            | Ore zone   | 5279 93.6 97.0 0.01   |              |
| 97.0 119.2           | Buff sandstone, 1-2% pyrite, several quartz stringers, decreasing in number toward end of section.                                 |   |              |
| 119.2 119.6          | Green beach conglomerate.  |   |              |
| 119.6 121.5          | Mineralized and syenitized buff sandstone, 30% quartz, contact at 50° to core axis.  |   |              |
| 121.5 126.6          | Grey sandstone.  |   |              |
| 126.6 130.0          | Ultramafic conglomerate.   |   |              |
| 130.0                | End of hole.   |   |              |

AVERAGE: 75.6 to 81.6, 6.0 feet of 0.152

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DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Hole No. L 83-19                                 |                    |
| Location: Lake Claim                          | Date Started:                                    | Page No. 1         |
| Level: Surface                                | Date Finished:                                   | Core Size: BQ      |
| Bearing:                                      | Logged by: Glenn Kasner                          | Signed: _____      |
| Inclination: -70°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 154.0 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 10.0             | Casing.   |                  |             |              |
| 10.0 69.0            | Ultramafic conglomerate, syenitized, original texture almost completely destroyed, less than 1% pyrite, clasts are small, ¼ inch.<br>At 31.0, locally up to 3% pyrite, linedated 45° to core axis.<br>At 38.0, clasts size larger, locally syenitized with less than 2% pyrite. |                  |             |              |
| 69.0 101.0           | Ultramafic conglomeration, grey-black, talcy, 50% clasts, contacts at 30° to core axis.   |                  |             |              |
| 101.0 109.6          | Green beach conglomerate, clasts 1/8 to ¼ inch, upper contact sharp at 40° to core axis.  |                  |             |              |
| 109.6 130.6          | Ore zone, grey cherty to buff.  | 5281             | 109.6 112.6 | 0.02         |
|                      |   | 5282             | 112.6 115.6 | 0.02         |
|                      |   | 5283             | 115.6 118.6 | 0.005        |
|                      |   | 5284             | 118.6 121.6 | 0.02         |
|                      |   | 5285             | 121.6 124.6 | 0.01         |
|                      |   | 5286             | 124.6 127.6 | 0.01         |
|                      |   | 5287             | 127.6 130.6 | 0.01         |
| 130.6 132.9          | Buff sandstone intermixed with ore zone material, 5% pyrite.  | 5288             | 130.6 132.9 | 0.005        |
| 132.9 138.0          | Ore zone  | 5289             | 132.9 138.0 | NIL          |
| 138.0 142.0          | Buff sandstone, 3% pyrite, quartz stockwork throughout section.   |                  |             |              |
| 142.0 152.0          | Buff sandstone.<br>150.0 to 151.0, syenitized ore zone material.  |                  |             |              |
| 152.0 154.0          | Buff sandstone.   |                  |             |              |
| 154.0                | End of hole.  |                  |             |              |
|                      | NO AVERAGE CALCULATED.  |                  |             |              |

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DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Hole No. L 83-20                                 |                    |
| Location: Lake Claim                          | Date Started:                                    | Page No. 1         |
| Level: Surface                                | Date Finished:                                   | Core Size: BQ      |
| Bearing:                                      | Logged by: Glenn Kasner                          | Signed: _____      |
| Inclination: -45°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 143.0 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 9.0              | Casing  |                  |             |              |
| 9.0 47.6             | Ultramafic conglomerate, syenitized, relatively few clasts, less than 1% pyrite, almost completely destroyed. |                  |             |              |
| 47.6 48.6            | Ultramafic conglomerate, 60% clasts.  |                  |             |              |
| 48.6 51.6            | Syenitized ore zone with some intermixed ultramafic conglomerate.   | 5291             | 48.6 51.6   | 0.04         |
| 51.6 108.0           | Ore zone, cherty grey to buff, up to 10% pyrite, quartz veining throughout.                                   | 5292             | 51.6 54.6   | 0.005        |
|                      |   | 5293             | 54.6 57.6   | 0.005        |
|                      |   | 5294             | 57.6 60.6   | 0.005        |
|                      |   | 5295             | 60.6 63.6   | 0.002        |
|                      |   | 5296             | 63.6 66.6   | 0.01         |
|                      |   | 5297             | 66.6 69.6   | 0.005        |
|                      |   | 5298             | 69.6 72.6   | 0.04         |
|                      |   | 5299             | 72.6 75.6   | 0.01         |
|                      |   | 52300            | 75.6 78.6   | 0.02         |
|                      |   | 8601             | 78.6 81.6   | 0.02         |
|                      |   | 8602             | 81.6 84.6   | 0.22         |
|                      |   | 8603             | 84.6 87.6   | 0.10         |
|                      |   | 8704             | 87.6 90.6   | 0.24         |
|                      |   | 8705             | 90.6 93.6   | 0.04         |
|                      |   | 8706             | 93.6 96.6   | 0.03         |
|                      |   | 8707             | 96.6 99.6   | 0.01         |
|                      |   | 8708             | 99.6 102.6  | 0.05         |
|                      |   | 8709             | 102.6 105.6 | 0.02         |
|                      |   | 8710             | 105.6 108.0 | 0.02         |
| 108.0 115.0          | Green beach conglomerate intermixed with sandstone.   |                  |             |              |
| 115.0 135.0          | Buff sandstone, upper contact at 30° to core axis.  |                  |             |              |
| 135.0 135.8          | Green beach conglomerate. Upper contact at 90° to core axis.  |                  |             |              |
| 135.8 140.0          | Sandstone.  |                  |             |              |
| 140.0 141.8          | Beach conglomerate.   |                  |             |              |
| 141.8 143.0          | Sandstone.  |                  |             |              |
| 143.0                | End of hole.  |                  |             |              |

AVERAGE: 81.6 to 90.6, 9.0 feet of 0.189

Jan. 18/84

II-11...86

DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Date Started:                                    | Hole No. L 83-21   |
| Location: Lake Claim                          | Date Finished:                                   | Page No. 1         |
| Level: Surface                                | Logged by: Glenn Kasner                          | Core Size: BQ      |
| Bearing:                                      | Signed: _____                                    |                    |
| Inclination: -45°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 102.0 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number   | Au<br>oz/ton                                     |
|----------------------|---|--|--|
| 0.0 11.0             | Casing  |  |  |
| 11.0 40.6            | Ultramafic conglomerate, occasional mafic shard, almost completely destroyed.                   |  |  |
| 40.6 47.6            | Beach conglomerate, 70% siliceous clasts. Contact at 42° to core axis.                          |  |  |
| 47.6 53.4            | Ore zone, quartz followed by possible mineralized mudstone. Contacts 43° to core axis.          | 8611 47.6 50.6<br>8612 50.6 53.4   | 0.02<br>0.10                                     |
| 53.4 69.4            | Buff sandstone.   |  |  |
| 69.4 75.0            | Ore zone.   | 8613 69.4 72.4<br>8614 72.4 75.0   | 0.04 } 3.0'<br>0.07 } 2.6' <i>.054 / 5.6'</i>    |
| 75.0 80.2            | Sandstone, locally siliceous.   |  |  |
| 80.2 97.3            | Ore zone, contact at 50° to core axis. Up to 15% pyrite and some molybdenum throughout section. | 8615 80.2 83.2<br>8616 83.2 86.2<br>8617 86.2 89.2<br>8618 89.2 92.2<br>8619 92.2 95.2<br>8620 95.2 97.3 | 0.03<br>0.002<br>0.005<br>0.01<br>0.002<br>0.002 |
| 97.3 102.0           | Grey sandstone.   | 8621 97.3 100.3  | 0.005  |
|                      | 98.0-100.90, rusty, quartz, parallel to core.   |  |  |
| 102.0                | End of hole.  |  |  |
|                      | NO AVERAGE CALCULATED.  |  |  |

Jan. 18/84.

DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Hole No. L 83-22                                 |                    |
| Location: Lake Claim                          | Date Started:                                    | Page No. 1         |
| Level: Surface                                | Date Finished:                                   | Core Size: BQ      |
| Bearing:                                      | Logged by: Glenn Kasner                          | Signed: _____      |
| Inclination: -45°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 110.0 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|--|------------------|-----------|--------------|
| 0.0 10.0             | Casing.  |                  |           |              |
| 10.0 46.6            | Ultramafic conglomerate, syenitized, few clasts.                             |                  |           |              |
| 46.6 48.2            | Syenite, 5% pyrite.  |                  |           |              |
| 48.2 59.6            | Ultramafic conglomerate, syenitized, grading to sandstone at end of section. |                  |           |              |
| 59.6 66.4            | Buff sandstone.  |                  |           |              |
| 66.4 75.1            | Beach green conglomerate, 60% clasts, upper contact at 80° to core.          |                  |           |              |
| 75.1 78.5            | Buff sandstone.  |                  |           |              |
| 78.5 80.1            | Beach conglomerate, contact at 30° to core.                                  |                  |           |              |
| 80.1 83.7            | Buff sandstone.  |                  |           |              |
| 83.7 85.0            | Ore zone   | 8623             | 83.7 87.4 | 0.002        |
| 85.0 87.4            | Buff sandstone.  |                  |           |              |
| 87.4 105.0           | Buff sandstone, 1-2% pyrite.   |                  |           |              |
| 105.0 109.0          | Beach conglomerate.  |                  |           |              |
| 109.0 110.0          | Beach conglomerate with large fragments of sandstone.                        |                  |           |              |
| 110.0                | End of hole.   |                  |           |              |

NO AVERAGE CALCULATED.

Jan. 18/84.

DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Hole No. L 83-23                                 |                    |
| Location: Lake Claim                          | Date Started:                                    | Page No. 1         |
| Level: Surface                                | Date Finished:                                   | Core Size: BQ      |
| Bearing:                                      | Logged by: Glenn Kasner                          | Signed: _____      |
| Inclination: -45°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 130.0 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To  | Au<br>oz/ton |
|----------------------|--|------------------|------------|--------------|
| 0.0 8.0              | Casing.  |                  |            |              |
| 8.0 19.7             | Ultramafic conglomerate, syenitized toward end of section, few clasts, from 10.0 to 15.0, broken up. |                  |            |              |
| 19.7 27.0            | Mineralized zone, 3-4% pyrite  | 8624             | 19.7 27.0  | 0.005        |
| 27.0 34.9            | Buff sandstone, at 31.1, mineralized, incipient syenitization, 1-2% pyrite.                          |                  |            |              |
| 34.9 73.9            | Mineralized zone, up to 10% locally, very cherty in places, traces of molybdenum throughout.         | 8625             | 34.9 39.9  | 0.005        |
|                      |  | 8626             | 39.9 44.9  | 0.002        |
|                      |  | 8627             | 44.9 49.9  | 0.005        |
|                      |  | 8628             | 49.9 54.9  | 0.002        |
|                      |  | 8629             | 54.9 59.9  | 0.002        |
|                      |  | 8630             | 59.9 64.9  | NIL          |
|                      |  | 8631             | 64.9 67.9  | 0.005        |
|                      |  | 8632             | 67.9 70.9  | 0.002        |
|                      |  | 8633             | 70.9 73.9  | 0.005        |
| 73.9 74.5            | Green sandstone, barren.   |                  |            |              |
| 74.5 84.0            | Same as 34.9 to 73.9   | 8634             | 74.5 77.5  | 0.002        |
|                      |  | 8635             | 77.5 80.5  | 0.002        |
|                      |  | 8636             | 80.5 84.0  | 0.005        |
| 84.0 95.5            | Buff sandstone, massive.   |                  |            |              |
| 95.5 108.4           | Buff sandstone, more quartz veins than above.  | 8637             | 95.0 102.0 | 0.005        |
| 108.4 111.2          | Green beach conglomerate.  |                  |            |              |
| 112.2 117.0          | Buff sandstone, contact at 40° to core.  |                  |            |              |
| 117.0 122.5          | Green beach conglomerate.  |                  |            |              |
| 122.5 125.3          | Sandstone.   |                  |            |              |
| 125.2 130.0          | Green beach conglomerate, 20° to core axis.  |                  |            |              |
| 130.0                | End of hole.<br>NO AVERAGE CALCULATED.   |                  |            |              |

Jan. 18/84.

II-11...89

DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Hole No. L 83-24                                 |                    |
| Location: Lake Claim                          | Date Started:                                    | Page No. 1         |
| Level: Surface                                | Date Finished:                                   | Core Size: BQ      |
| Bearing:                                      | Logged by: Glenn Kasner                          | Signed: _____      |
| Inclination: -45°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 128.0 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 11.0             | Casing.  |                  |             |              |
| 11.0 38.2            | Ultramafic conglomerate, syenitized, 46° to core axis.                               |                  |             |              |
| 38.2 54.5            | Buff sandstone, 2-3% pyrite locally.<br>43.2-44.2, mineralized ore zone, 10% pyrite. |                  |             |              |
| 54.5 67.0            | Sandstone, 30% biotite, incipient syenitization.                                     |                  |             |              |
| 67.0 70.0            | Sandstone, grey.   |                  |             |              |
| 70.0 85.0            | Sandstone, up to 3-5% in places, occasional Mo speck.                                | 8680             | 70.5 75.5   | NIL          |
|                      |  | 8681             | 75.5 80.5   | 0.002        |
|                      |  | 8682             | 80.5 85.5   | 0.002        |
| 85.0 113.7           | Up to 10% pyrite, cherty.  | 8683             | 85.5 88.5   | 0.005        |
|                      |  | 8684             | 88.5 91.5   | 0.002        |
|                      | 91.0-91.5, beach conglomerate and sandstone.   | 8685             | 91.5 94.5   | 0.002        |
|                      | 94.5-96.7, sandstone, barren, massive  | 8686             | 96.7 99.7   | 0.002        |
|                      |  | 8687             | 99.5 102.7  | 0.002        |
|                      |  | 8688             | 102.7 105.7 | 0.002        |
|                      | 105.0-108.0, 5% moly   | 8689             | 105.7 108.7 | 0.002        |
|                      |  | 8790             | 108.7 111.7 | 0.01         |
|                      |  | 8791             | 111.7 113.7 | 0.005        |
| 113.7 121.5          | Buff sandstone.  |                  |             |              |
| 121.5 128.0          | Occasional clast, linedated 40° to core axis.  |                  |             |              |
| 128.0                | End of hole.   |                  |             |              |

NO AVERAGE CALCULATED.

Jan. 18/84.

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited           | Hole No. L 83-25                                  |
| Location: Lake Claim                          | Date Started: _____<br>Page No. 1                 |
| Level: Surface                                | Date Finished: _____<br>Core Size: BQ             |
| Bearing: _____                                | Logged by: Glenn Kasner Signed: _____             |
| Inclination: -70°                             | Core Saved or Discarded: Stored at Kenogami Lake  |
| Total Depth: 228.0 feet.                      | Casing Pulled: (X) or Left: ( ) Acid Tests: _____ |
| Location of Collar: _____                     | Project: 1022 At: No test taken.                  |
| Drilled by: Prospect Diamond Drilling Limited | At: _____   |

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

|             |   |  |  |
|-------------|---|--|--|
| 0.0 9.0     | Casing.   |  |  |
| 9.0 155.0   | Ultramafic conglomerate, almost all original texture destroyed, lineated at 30° to core axis.<br>54.0 to 56.0, broken up. |  |  |
| 155.0 172.5 | Sandstone, from 161.0 to 177.5, short sections of ore zone.   |  |  |
| 172.5 182.3 | Green beach conglomerate, contact at 40° to core.   |  |  |
| 182.3 208.0 | Sandstone.  |  |  |
| 208.0 228.0 | Beach conglomerate, almost parallel to core axis.   |  |  |
| 228.0       | End of hole.<br><br>NO ASSAY TAKEN.   |  |  |
| Jan. 18/84. | Hole drilled down dip, did not go far enough.   |  |  |

DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Hole No. L 83-26                                 |                    |
| Location: Lake Claim                          | Date Started:                                    | Page No. 1         |
| Level: Surface                                | Date Finished:                                   | Core Size: BQ      |
| Bearing: 60°W of Grid N.                      | Logged by: Glenn Kasner                          | Signed: _____      |
| Inclination: -45°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 501.5 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar: 3+46E, 10+30N             | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 11.0             | Casing.   |                  |             |              |
| 11.0 24.5            | Mafic sandstone with fine fine grained phase at 15.0 feet. Syenitized, contains 15% biotite near end of section.                      |                  |             |              |
| 24.5 45.0            | Ultramafic conglomerate, 10% mafic clasts, contacts at 35° to core axis. Incipient syenitization.                                     |                  |             |              |
| 45.0 70.0            | Syenite, fine grained, 2-3% pyrite, 23° to core axis.   | 35850            | 45.0 49.0   | 0.002        |
|                      |   | 35851            | 49.0 54.0   | 0.005        |
|                      |   | 35852            | 54.0 59.0   | 0.002        |
|                      |   | 35853            | 59.0 64.0   | 0.005        |
|                      |   | 35854            | 64.0 70.0   | 0.005        |
| 70.0 95.0            | Grey fine grained sandstone, syenitized at first, grading into coarser sandstone near end of section. Last portion has 15-20% pyrite. |                  |             |              |
| 95.0 107.5           | Buff-grey sandstone, contact at 45° to core axis.   |                  |             |              |
| 107.5 159.0          | Ore zone, 2-4% pyrite, traces of moly, contains several sandstone sections as above, some syenitization.                              | 35855            | 107.5 112.5 | 0.005        |
|                      |   | 35856            | 112.5 117.5 | 0.002        |
|                      |   | 35857            | 117.5 122.5 | 0.01         |
|                      |   | 35858            | 122.5 127.5 | 0.01         |
|                      |   | 35859            | 127.5 132.5 | 0.01         |
|                      |   | 35860            | 132.5 137.5 | 0.03         |
|                      |   | 35861            | 137.5 142.5 | 0.02         |
|                      |   | 35862            | 142.5 147.5 | 0.005        |
|                      |   | 35863            | 147.5 152.2 | 0.005        |
|                      |   | 35864            | 152.2 159.0 | NIL          |
| 159.0 182.5          | As above, less pyrite, contact at 35° to core axis, grading into a grey, syenitized sandstone at 182.5, almost buff.                  |                  |             |              |
| 182.5 200.0          | Ore zone, very cherty, 5-8% pyrite, syenitized.   | 35865            | 182.5 187.5 | 0.01         |
|                      |   | 35866            | 187.5 192.5 | 0.01         |
|                      |   | 35867            | 192.5 197.5 | 0.02         |
|                      |   | 35868            | 197.5 200.0 | 0.005        |
| 200.0 212.0          | Buff sandstone.   |                  |             |              |



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. L 83-26  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 212.0 220.0          | Syenitized sandstone.  |                  |             |              |
| 220.0 239.0          | Green beach conglomerate.  |                  |             |              |
| 239.0 243.5          | Buff-grey sandstone, syenitized.   |                  |             |              |
| 243.5 260.0          | Grey-buff sandstone, locally pyritic, few quartz veinlets through section with ore zone material.                                | 35869            | 243.5 248.5 | 0.02         |
|                      |  | 35870            | 248.5 253.5 | 0.01         |
|                      |  | 35871            | 253.5 260.0 | 0.02         |
| 260.0 270.0          | Sandstone, 2% pyrite.  |                  |             |              |
| 270.0 290.3          | Grey-buff sandstone, traces of pyrite, becoming syenitized toward end of section. Last 2.0 feet, well mineralized and siliceous. |                  |             |              |
| 290.3 311.0          | Ultramafic sandstone, contact at 30° to core axis.   |                  |             |              |
| 311.0 427.0          | Mostly ultramafic material, somewhat syenitized.   |                  |             |              |
| 427.0 448.0          | Three sequences of sandstone grading into conglomerate.  |                  |             |              |
| 448.0 471.0          | Ultramafic conglomerate, syenitized, green chlorite rich.<br>457.0-471.0, up to 15% pyrite locally, 80% clasts, 2% chert clasts. |                  |             |              |
| 501.5                | End of hole.   |                  |             |              |

NO AVERAGE CALCULATED.

Jan. 18/84.

DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Date Started:                                    | Hole No. L 83-27   |
| Location: Lake Claim                          | Date Finished:                                   | Page No. 1         |
| Level: Surface                                | Logged by: Glenn Kasner                          | Core Size: BQ      |
| Bearing:                                      | Signed: _____                                    |                    |
| Inclination: -70°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 316.0 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 10.0             | Casing.  |                            |              |
| 10.0 64.0            | Intermixed syenitized sandstone, 3-4% pyrite locally. Contact at 30° to core axis. Less altered toward 64.0. |                            |              |
| 64.0 198.8           | Mostly grey and buff sandstone intercalated with ore zone sections.  |                            |              |
|                      | 64.0-82.0, syenitized, 2-3% pyrite   | 35777 68.0 71.5            | 0.002        |
|                      |  | 35778 71.5 78.0            | 0.002        |
|                      |  | 35750 78.0 82.0            | NIL          |
|                      | 82.0-110.0, sandstone, 2-4% pyrite   | 35751 82.0 87.0            | 0.002        |
|                      |  | 35752 87.0 89.5            | 0.005        |
|                      |  | 35753 89.5 94.5            | NIL          |
|                      |  | 35754 94.5 99.5            | NIL          |
|                      |  | 35755 99.5 104.5           | 0.002        |
|                      |  | 35756 104.5 108.0          | 0.002        |
|                      |  | 35757 108.0 110.0          | NIL          |
|                      | 110.0-113.0, sandstone, less than 1% pyrite, 10% biotite.  |                            |              |
|                      | 113.0-127.0, sandstone, 3-5% pyrite.   | 35758 113.0 118.0          | 0.002        |
|                      |  | 35759 118.0 122.0          | 0.002        |
|                      |  | 35760 122.0 127.0          | 0.002        |
|                      | 127.0-142.2, sandstone, more cherty  | 35761 127.0 130.0          | 0.005        |
|                      |  | 35762 130.0 133.0          | 0.002        |
|                      |  | 35763 133.0 136.0          | 0.002        |
|                      |  | 35764 136.0 139.2          | NIL          |
|                      |  | 35765 139.2 142.2          | NIL          |
|                      | 142.2-144.2, sandstone, green mica, barren.  |                            |              |
|                      |  | 35766 142.2 144.2          | NIL          |
|                      | 144.2-160.5, sandstone, 5-8% pyrite, local cherty sections.  |                            |              |
|                      |  | 35767 144.2 149.2          | 0.005        |
|                      |  | 35768 149.2 154.2          | 0.005        |
|                      |  | 35769 154.2 160.5          | 0.002        |
|                      | 160.5-163.5, sandstone, barren, 33-35° to core axis.   |                            |              |
|                      | 163.5-179.2, Ore zone, 5-10% pyrite, traces of Mo locally.   |                            |              |
|                      |  | 35770 163.2 168.0          | 0.005        |
|                      |  | 35771 168.0 173.0          | 0.005        |
|                      |  | 35772 173.0 179.0          | 0.002        |
|                      | 179.2-180.4, sandstone, barren, 20% green mica.  |                            |              |
|                      | 180.4-198.8, sandstone, 5% pyrite, 28° to core axis.   |                            |              |
|                      |  | 35773 180.4 186.0          | 0.005        |
|                      |  | 35774 186.0 191.0          | 0.005        |
|                      |  | 35775 191.0 196.0          | 0.005        |
|                      |  | 35776 196.0 199.5          | 0.005        |
| 198.8 216.0          | Beach green conglomerate.  |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. L 83-27  
 Page No.

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 216.0 225.0          | Buff sandstone.   |                            |              |
| 225.0 237.6          | Sandstone, 30% biotite  |                            |              |
| 237.6 248.0          | Buff sandstone, 5-8% pyrite. Contains short sections of beach conglomerate. |                            |              |
| 248.0 250.8          | Buff sandstone, 30% sericite. 31° to core axis.                             |                            |              |
| 250.8 268.0          | Green beach conglomerate.   |                            |              |
| 268.0 273.0          | Buff sandstone, less than 1% pyrite, 30° to core axis.                      |                            |              |
| 273.0 286.0          | Ore zone, 10-15% pyrite grading into a grey sandstone with 3-4% pyrite.     |                            |              |
|                      |   | 35779 273.0 276.0          | 0.005        |
|                      |   | 35780 276.0 281.0          | 0.005        |
|                      |   | 35781 281.0 286.0          | 0.01         |
| 286.0 292.5          | Sandstone, grey, grading into ultramafic toward 292.5.                      |                            |              |
| 292.5 316.0          | Ultramafic conglomerate.  |                            |              |
|                      | All sandstone is buff except where biotite is noted.                        |                            |              |
| 316.0                | End of hole.  |                            |              |

NO AVERAGE CALCULATED.

Jan. 18/84.



APPENDIX 3

Diamond Drill Logs of Holes SW 83-12 to SW 83-31

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group Date Started:  
 Level: Surface Date Finished:  
 Bearing: Logged by: G. Kasner & G. Hinse Signed: \_\_\_\_\_  
 Inclination: -45° Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth: 117.0' Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: Project: 1022 At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|--|------------------|-----------|--------------|
| 0.0 12.0             | Casing   |                  |           |              |
| 12.0 33.8            | Dirty carbonate, progressively cleaner toward 33.8. Few black tourmaline and black chlorite gash veinlets. Grey at first, gradual change to buff. Contorted to well lineated, 60-70° to core axis. 2-3% fine pyrite. |                  |           |              |
| 33.8 67.0            | Buff carbonate, tourmaline gash veinlets, cherty.  | 8638             | 33.8 36.8 | 0.01         |
|                      |  | 8639             | 36.8 39.8 | 0.005        |
|                      |  | 8640             | 39.8 42.8 | 0.14         |
|                      |  | 8641             | 42.8 45.8 | 0.02         |
|                      |  | 8642             | 45.8 48.8 | 0.03         |
|                      |  | 8643             | 48.8 51.8 | 0.05         |
|                      |  | 8644             | 51.8 55.0 | 0.02         |
|                      |  | 8645             | 55.0 58.0 | 0.21         |
|                      | 57.8-65.0, 15% pyrite, very cherty, 60-70° to core axis.   | 8646             | 58.0 61.0 | 0.35         |
|                      |  | 8647             | 61.0 64.0 | 0.30         |
|                      |  | 8648             | 64.0 67.0 | 0.03         |
| 67.0 96.0            | As above, local green mica.<br>Little pyrite.  | 8649             | 67.0 75.0 | 0.04         |
| 96.0 101.0           | Dark grey carbonate-mudstone.  |                  |           |              |
| 101.0 115.0          | Buff carbonate, could be a sandstone?  |                  |           |              |
| 115.0 117.0          | Conglomerate, quite a few clasts and mud chips at 115.0 and 116.0.   |                  |           |              |
| 117.0                | End of hole.   |                  |           |              |
|                      | Gold associated with zone of maximum pyrite and chert and/or quartz.   |                  |           |              |
|                      | AVERAGES: 39.8 to 75.0, 35.2' of 0.1072  |                  |           |              |
|                      | 55.0 to 64.0, 9.0' of 0.286  |                  |           |              |

Jan. 17/84.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group Date Started:  
 Level: Surface Date Finished:  
 Bearing: Logged by: G. Kasner & G. Hinse Signed: \_\_\_\_\_  
 Inclination: -70° Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth: 128.0' Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: Project: 1022 At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 14.0             | Casing  |                  |             |              |
| 14.0 48.0            | Dirty carbonate, carbonate and tuffaceous material, lined 48° to core, traces of pyrite, occasional tourmaline and black chlorite gash veinlets near end of section, contains narrow buff carbonate sections. |                  |             |              |
| 48.0 59.5            | Buff carbonate, becoming more cherty toward end of section, traces of pyrite.   |                  |             |              |
| 59.5 121.0           | Buff carbonate, becoming very cherty with 10% pyrite.   | 8650             | 59.5 62.5   | NIL          |
|                      |   | 8651             | 62.5 65.5   | 0.005        |
|                      |   | 8652             | 65.5 68.5   | 0.002        |
|                      |   | 8653             | 68.5 71.5   | 0.02         |
|                      |   | 8654             | 71.5 74.5   | 0.04         |
|                      | 74.5-95.5, very cherty, 10% pyrite.   | 8655             | 74.5 77.5   | 0.18         |
|                      |   | 8656             | 77.5 80.5   | 0.16         |
|                      |   | 8657             | 80.5 83.5   | 0.16         |
|                      |   | 8658             | 83.5 86.5   | 0.17         |
|                      |   | 8659             | 86.5 89.5   | 0.17         |
|                      |   | 8660             | 89.5 92.5   | 0.06         |
|                      |   | 8661             | 92.5 95.5   | 0.21         |
|                      |   | 8662             | 95.5 98.5   | 0.05         |
|                      |   | 8663             | 98.5 101.5  | 0.06         |
|                      |   | 8664             | 101.5 105.5 | 0.09         |
|                      |   | 8665             | 105.5 110.5 | 0.05         |
|                      | Few narrow dark grey carbonate-mudstone toward end of section.  |                  |             |              |
| 121.0 122.5          | Dark grey carbonate-mudstone, 30° to core.  |                  |             |              |
| 122.5 128.0          | Buff carbonate, occasional small chert porphyroblasts or clasts? Could be a conglomerate?   |                  |             |              |
| 128.0                | End of hole.  |                  |             |              |
|                      | AVERAGES: 74.5 to 95.5, 21.0 feet of 0.167  |                  |             |              |
|                      | 71.5 to 110.5, 39.0 feet of 0.117   |                  |             |              |

Jan. 17/84.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group Date Started: Hole No. SW 83-14  
 Level: Surface Date Finished: Page No. 1  
 Bearing: Logged by: G. Kasner & G. Hinse Signed: Core Size: BQ  
 Inclination: -45° Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth: 151.0 feet. Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: Project: 1022 At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|--|------------------|-----------|--------------|
| 0.0 14.0             | Casing.  |                  |           |              |
| 14.0 20.0            | Ultramafic, grey black, lineated at 70° to core axis.  |                  |           |              |
| 20.0 33.0            | Dirty carbonate, carbonate and tuffaceous material, dark grey, contains narrow sections of buff carbonate. |                  |           |              |
| 33.0 85.0            | Buff carbonate, up to 10-20% locally of chert porphyroblasts, lineated 70° to core.                        |                  |           |              |
|                      |  | 8666             | 35.0 40.0 | 0.002        |
|                      |  | 8667             | 40.0 45.0 | NIL          |
|                      |  | 8668             | 45.0 50.0 | 0.001        |
|                      |  | 8669             | 50.0 55.0 | NIL          |
|                      |  | 8670             | 55.0 58.0 | nil          |
|                      |  | 8671             | 58.0 61.0 | NIL          |
|                      |  | 8672             | 61.0 64.0 | NIL          |
|                      |  | 8673             | 64.0 67.0 | NIL          |
|                      |  | 8674             | 67.0 70.0 | 0.005        |
|                      |  | 8675             | 70.0 73.0 | 0.17         |
|                      |  | 8676             | 73.0 76.0 | NIL          |
|                      |  | 8677             | 76.0 79.0 | 0.02         |
|                      |  | 8678             | 79.0 82.0 | 0.29         |
|                      |  | 8679             | 82.0 85.0 | 0.08         |
| 85.0 92.0            | Buff carbonate.  |                  |           |              |
|                      |  | 8680             | 85.0 90.0 | 0.02         |
| 92.0 96.0            | Carbonate-mudstone, medium grey.   |                  |           |              |
| 96.0 106.6           | Buff carbonate.  |                  |           |              |
| 106.6 110.0          | Carbonate-mudstone.  |                  |           |              |
| 110.0 132.0          | Conglomerate, carbonate matrix.  |                  |           |              |
| 132.0 141.0          | Conglomerate, mafic matrix.  |                  |           |              |
| 141.0 151.0          | Progressively more ultramafic, syenitized near end of section.   |                  |           |              |
| 151.0                | End of hole.   |                  |           |              |
|                      | AVERAGES: 70.0 to 85.0, 15.0 feet of 0.112.  |                  |           |              |

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DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group Date Started: Hole No. SW B3-15  
 Level: Surface Date Finished: Page No. 1  
 Bearing: Logged by: G. Kasner & G. Hinse Signed: Core Size: BQ  
 Inclination: -45° Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth: Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: Project: 1022 At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At:

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 13.0             | Casing.  |                            |              |
| 13.0 50.2            | Predominantly ultramafic grading into dirty carbonate at 27.0 feet, progressively more buff toward 50.2. |                            |              |
| 50.2 142.3           | Buff carbonate.  |                            |              |
|                      | Traces of pyrite   | 50.2 54.0                  | NIL          |
|                      |  | 54.0 59.0                  | NIL          |
|                      | 3-5% pyrite, cherty  | 59.0 64.0                  | 0.002        |
|                      | 5.0 feet of lost core.   | 64.0 75.0                  | 0.002        |
|                      |  | 75.0 80.0                  | NIL          |
|                      | Cherty, 10% pyrite   | 80.0 85.0                  | NIL          |
|                      |  | 85.0 88.0                  | 0.002        |
|                      |  | 88.0 91.0                  | 0.002        |
|                      |  | 91.0 94.0                  | 0.002        |
|                      |  | 94.0 97.0                  | 0.005        |
|                      | 10% pyrite, very cherty  | 97.0 100.0                 | 0.002        |
|                      |  | 100.0 103.0                | 0.16         |
|                      | 101.0, contains pieces of fine conglomerate. Box could have been spilled.                                | 103.0 106.0                | 0.01         |
|                      |  | 106.0 109.0                | 0.002        |
|                      |  | 109.0 112.0                | 0.005        |
|                      | Lineated 40° to core   | 112.0 115.0                | 0.005        |
|                      |  | 115.0 118.0                | 0.002        |
|                      |  | 118.0 121.0                | 0.005        |
|                      |  | 121.0 124.3                | 0.04         |
|                      |  | 124.3 127.3                | 0.07         |
|                      |  | 127.3 132.3                | 0.01         |
|                      |  | 132.2 137.3                | 0.01         |
|                      |  | 137.3 142.3                | 0.04         |
| 142.3 150.6          | Grey black carbonate-mudstone.   |                            |              |
| 150.6 151.0          | Conglomerate, green matrix, 45° to core axis.  |                            |              |
| 151.0                | End of hole.   |                            |              |

Possible fault is most hole in ultramafic above carbonate.

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DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group Date Started:  
 Level: Surface Date Finished:  
 Bearing: Logged by: G. Kasner & G. Hinse Signed:  
 Inclination: -45° Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth: Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: Project: 1022 At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|--|------------------|-----------|--------------|
| 0.0 17.4             | Casing   |                  |           |              |
| 17.4 25.4            | Dirty carbonate, carbonate and tuff.   | 8693             | 20.0 25.4 | 0.01         |
| 25.4 48.0            | Buff carbonate, tourmaline and black chlorite gash veinlets throughout,<br>20-30% chert porphyroblasts, 5-8% pyrite, 37° to core axis. | 8694             | 25.4 28.4 | 0.002        |
|                      |  | 8695             | 28.4 31.4 | 0.06         |
|                      | Highly cherty, up to 15% pyrite  | 8696             | 31.4 34.4 | 0.06         |
|                      |  | 8697             | 34.4 37.0 | 0.17         |
|                      |  | 8698             | 37.0 40.0 | 0.03         |
|                      |  | 8699             | 40.0 43.4 | 0.20         |
|                      | As above, less chert and pyrite  | 8700             | 43.4 46.4 | 0.04         |
|                      |  | 35701            | 46.4 48.0 | 0.04         |
| 48.0 51.5            | Grey black carbonate mudstone.   | 35702            | 48.0 51.5 | 0.002        |
| 51.5 62.0            | Buff carbonate.  | 35703            | 51.5 56.5 | 0.002        |
|                      |  | 35704            | 56.5 61.5 | 0.01         |
| 62.0 71.0            | Grey black carbonate mudstone.   | 35705            | 61.5 66.5 | 0.002        |
| 71.0 77.5            | Buff sandstone.  |                  |           |              |
| 77.5 133.0           | Mostly buff sandstone with usual conglomerate.   | 35706            | 81.0 86.0 | 0.002        |
|                      | 107.5, matrix gradually more mafic, contains short sections of dark<br>carbonate mudstone.<br>50° to core axis.                        |                  |           |              |
| 133.0 150.0          | Ultramafic, conglomeratic, syenitized, few clasts.   |                  |           |              |
| 150.0                | End of hole.   |                  |           |              |
|                      | AVERAGES: 28.4 to 46.4, 18.0 feet of 0.0926<br>34.4 to 43.4, 9.0 feet of 0.132   |                  |           |              |

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DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group Date Started:  
 Level: Surface Date Finished:  
 Bearing: Logged by: G. Kasner & G. Hinse Signed: \_\_\_\_\_  
 Inclination: -70° Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth: Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: Project: 1022 At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|---|------------------|-----------|--------------|
| 0.0 18.0             | Casing.   |                  |           |              |
| 18.0 33.0            | Ultramafic, occasional syenitized augen, possible fault at 27.0 feet.   |                  |           |              |
| 33.0 67.7            | Buff carbonate grading into dirty carbonate at 28.0. Tourmaline and black chlorite gash veinlets, 30% chert porphyroblasts, 45° to core axis. | 35707            | 33.0 36.5 | 0.005        |
|                      |   | 35708            | 36.5 38.5 | 0.002        |
|                      |   | 35709            | 38.5 41.5 | 0.005        |
|                      |   | 35710            | 41.5 44.5 | 0.04         |
|                      | As above, more cherty and pyrite  | 35711            | 44.5 47.5 | 0.28         |
|                      |   | 35712            | 47.5 50.5 | 0.10         |
|                      |   | 35713            | 50.5 53.5 | 0.12         |
|                      |   | 35714            | 53.5 56.5 | 0.002        |
|                      |   | 35715            | 56.5 58.7 | 0.22         |
|                      |   | 35716            | 58.7 61.7 | 0.07         |
|                      |   | 35717            | 61.7 64.7 | 0.05         |
|                      |   | 35718            | 64.7 67.7 | 0.02         |
| 67.7 70.4            | Carbonate mudstone, medium grey, 43° to core.   |                  |           |              |
| 70.4 82.2            | Buff carbonate.   | 35719            | 70.4 75.4 | 0.05         |
|                      |   | 35720            | 75.4 80.4 | 0.01         |
|                      |   | 35721            | 80.4 83.0 | 0.01         |
| 82.0 98.0            | Mixture of buff carbonate and carbonate mudstone.   |                  |           |              |
| 98.0 114.4           | Buff sandstone, occasional chert clast and conglomeratic at 98.0 and 118.0, 42° to core.  |                  |           |              |
| 114.4 120.0          | Dark grey black carbonate mudstone.   |                  |           |              |
| 120.0                | End of hole.  |                  |           |              |
|                      | AVERAGES: 44.5 to 53.5, 9.0 feet of 0.166   |                  |           |              |
|                      | 44.5 to 58.7, 14.2 feet of 0.140  |                  |           |              |

Jan. 18/84.

DIAMOND DRILL LOG

|  |  |               |
|--|--|---------------|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-18                                |               |
| Location: Southwest Group                            | Date Started:                                    | Page No. 1    |
| Level: Surface                                       | Date Finished:                                   | Core Size: BQ |
| Bearing:   | Logged by: G. Kasner & G. Hinse Signed: _____    |               |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Kenogami Lake |               |
| Total Depth:   | Casing Pulled: (X) or Left: ( )                  | Acid Tests:   |
| Location of Collar:                                  | Project: 1022                                    | At:           |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |  | At:           |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 23.0             | Casing.  |                  |             |              |
| 23.0 37.0            | Ultramafic at first, grading into a dirty carbonate at 37.0.   |                  |             |              |
| 37.0 56.0            | Dirty carbonate, carbonate and volcanic tuff, grading into buff carbonate toward 56.0, 65° to core.  |                  |             |              |
| 56.0 84.0            | Buff carbonate, with minor tuffaceous material, 70° to core. Section from from 65.0 to 68.0, broken up.<br>65.0 to 68.0, 2.5 feet of lost core, 68.0 to 71.0, ± 1.0 foot of lost core. | 35784            | 56.0 59.0   | NIL          |
|                      |  | 35785            | 59.0 62.4   | 0.005        |
|                      |  | 35786            | 62.4 65.0   | 0.02         |
|                      |  | 35787            | 65.0 68.0   | 0.06         |
|                      |  | 35788            | 68.0 71.0   | 0.03         |
|                      |  | 35789            | 71.0 74.0   | NIL          |
|                      |  | 35790            | 74.0 77.0   | NIL          |
|                      |  | 35791            | 77.0 80.0   | 0.002        |
|                      |  | 35792            | 80.0 83.0   | NIL          |
| 84.0 89.0            | Carbonate mudstone.  | 35793            | 83.0 89.5   | NIL          |
| 89.5 104.5           | Buff carbonate, slightly cherty, little pyrite, 70° to core.   | 35794            | 89.5 94.5   | NIL          |
|                      |  | 35795            | 94.5 99.5   | 0.01         |
|                      |  | 35796            | 99.5 104.5  | NIL          |
| 104.5 109.0          | Grey black mudstone carbonate.   | 35797            | 104.5 110.0 | NIL          |
| 109.0 137.0          | Beach conglomerate, occasional chert clast and mud fragments, buff-green matrix, at 129.0, matrix grading toward mafic composition.  |                  |             |              |
| 137.0                | End of hole.   |                  |             |              |

NO AVERAGE CALCULATED.

Jan. 18/84.

DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-19                                |
| Location: Southwest Group                            | Date Started: Page No. 1                         |
| Level: Surface                                       | Date Finished: Core Size: BQ                     |
| Bearing:   | Logged by: G. Kasner & G. Hinse Signed: _____    |
| Inclination: -70°                                    | Core Saved or Discarded: Stored at Kenogami Lake |
| Total Depth:   | Casing Pulled: (X) or Left: ( ) Acid Tests:      |
| Location of Collar:                                  | Project: 1022 At:                                |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At:  |

| Footage<br>From - To   | Geological & Physical Description   | Sample From - To<br>Number   | Au<br>oz/ton                 |
|------------------------|---|--|------------------------------|
| 0.0 22.0               | Casing.   |  |                              |
| 22.0 52.0              | Ultramafic, brecciated with or without porphyroblasts or augen as in other holes, syenitized locally, grading at 52.0 into a dirty carbonate. 2.0 feet of quartz at 45.0. |  |                              |
| 52.0 69.0              | Dirty carbonate.  |  |                              |
| 69.0 80.0              | Buff carbonate, tourmaline and black chlorite veinlets, cherty with pyrite.   | 35824 69.0 72.0<br>35825 72.0 75.0<br>35826 75.0 78.0<br>35827 78.0 80.0 | NIL<br>0.005<br>0.02<br>0.06 |
| 80.0 90.0              | Coarse grained carbonate mudstone, barren.  | 35828 80.0 85.0  | NIL                          |
| 90.0 97.0              | Buff carbonate, poor carbonate, somewhat dirty.   | 35829 90.0 97.0  | 0.002                        |
| 97.0 112.0             | Carbonate mudstone, 45° to core axis.   |  |                              |
| 112.0                  | End of hole.  |  |                              |
| NO AVERAGE CALCULATED. |   |  |                              |

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DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group Date Started:  
 Level: Surface Date Finished:  
 Bearing: Logged by: G. Kasner & G. Hinse Signed:  
 Inclination: -45° Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth: Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: Project: 1022 At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|--|------------------|-----------|--------------|
| 0.0 10.0             | Casing.  |                  |           |              |
| 10.0 30.0            | Ultramafic grading into dirty carbonate at 16.0, into a buff carbonate at 30.0. Locally contains some pyrite, 70° to core. | 35830            | 18.0 21.0 | 0.002        |
|                      |  | 35831            | 21.0 24.0 | 0.002        |
|                      |  | 35832            | 24.0 27.0 | NIL          |
|                      |  | 35833            | 27.0 30.0 | NIL          |
| 30.0 47.0            | Buff carbonate, cherty, pyritic.   | 35834            | 30.0 33.0 | NIL          |
|                      |  | 35835            | 33.0 37.0 | NIL          |
|                      |  | 35836            | 37.0 40.0 | NIL          |
|                      |  | 35837            | 40.0 43.0 | NIL          |
|                      |  | 35838            | 43.0 46.0 | NIL          |
| 47.0 48.0            | Carbonate mudstone, medium grey.   | 35839            | 46.0 48.0 | NIL          |
| 48.0 100.0           | Buff carbonate, dirty, 5 to 8% pyrite locally, 62° to core.  | 35840            | 48.0 51.0 | NIL          |
|                      |  | 35841            | 51.0 54.0 | NIL          |
|                      |  | 35842            | 54.0 57.0 | NIL          |
|                      |  | 35843            | 57.0 60.0 | NIL          |
|                      |  | 35844            | 60.0 63.0 | NIL          |
|                      |  | 35845            | 63.0 66.0 | NIL          |
|                      |  | 35846            | 66.0 69.0 | NIL          |
|                      |  | 35847            | 69.0 74.0 | NIL          |
|                      |  | 35848            | 74.0 80.0 | 0.002        |
|                      |  | 35849            | 80.0 85.0 | 0.002        |
| 100.0 105.0          | Carbonate mudstone.  |                  |           |              |
| 105.0 135.0          | Sandstone and conglomerate, green to grey carbonate matrix.  |                  |           |              |
| 135.0 151.0          | Ultramafic, syenitized.  |                  |           |              |
| 151.0                | End of hole.   |                  |           |              |
|                      | NO AVERAGE CALCULATED.   |                  |           |              |

Jan. 18/84.

DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-21                                |
| Location: Southwest Group                            | Date Started: Page No. 1                         |
| Level: Surface                                       | Date Finished: Core Size: BQ                     |
| Bearing:   | Logged by: G. Kasner & G. Hinse Signed: _____    |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Kenogami Lake |
| Total Depth:   | Casing Pulled: (X) or Left: ( ) Acid Tests:      |
| Location of Collar:                                  | Project: 1022 At:                                |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At:  |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 4.0              | Dirty carbonate, 30% chert porphyroblasts, 50° to core.   |                            |              |
| 4.0 10.0             | Lost core.  |                            |              |
| 10.0 25.0            | Intermixed sandstone, few chert clasts, porphyroblasts?, locally cherty, up to 3% pyrite locally. |                            |              |
| 25.0 50.5            | Dirty carbonate, less cherty than above, local pyrite, 65° to core.                               |                            |              |
| 50.5 64.0            | As above, barren.   |                            |              |
| 64.0 70.0            | Carbonate mudstone.   |                            |              |
| 70.0 93.0            | Sandstone, conglomerate, buff matrix at first grading into an ultramafic matrix later in section. |                            |              |
| 93.0 108.0           | Ultramafic.   |                            |              |
| 108.0                | End of hole.  |                            |              |
|                      | NO SAMPLE TAKEN.  |                            |              |

Jan. 18/84.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group      Date Started:  
 Level: Surface      Date Finished:  
 Bearing:      Logged by: G. Kasner & G. Hinse      Signed: \_\_\_\_\_  
 Inclination: -50°      Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth:      Casing Pulled: (X) or Left: ( )      Acid Tests:  
 Location of Collar:      Project: 1022      At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario      At:

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 4.0              | Casing.   |                            |              |
| 4.0 9.0              | Dirty carbonate, 10-15% chert clasts, becoming somewhat cleaner near end of section, 46° to core.                     |                            |              |
| 9.0 12.5             | White glassy quartz from 9.0 to 10.5, at end of section, 6 inches of ore zone material with 30% chert and 10% pyrite. |                            |              |
| 12.5 27.0            | Dirty carbonate, less than 1% pyrite.   |                            |              |
| 27.0                 | End of hole.  |                            |              |
|                      | NO SAMPLE TAKEN.  |                            |              |

Jan. 18/84.



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group Date Started:  
 Level: Surface Date Finished:  
 Bearing: Logged by: G. Kasner & G. Hinse Signed: \_\_\_\_\_  
 Inclination: -70° Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth: Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: Project: 1022 At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At:

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 2.0              | Casing.  |                            |              |
| 2.0 12.0             | Dirty carbonate, occasional chert porphyroblasts, less than 1% pyrite.   |                            |              |
| 12.0 17.2            | Buff carbonate, pyritic locally.   |                            |              |
| 17.2 22.0            | Carbonate mudstone.  |                            |              |
| 22.0 87.0            | Dark grey dirty carbonate, 54° to core, barren.  |                            |              |
| 87.0 97.0            | Carbonate mudstone.  |                            |              |
| 97.0 120.0           | Sandstone, buff matrix, top up hole by grain gradation, conglomeratic, grading into an ultramafic matrix at 120.0. |                            |              |
| 120.0 150.0          | Ultramafic, syenitized from 142.0 to 150.0.  |                            |              |
| 150.0                | End of hole.   |                            |              |
|                      | NO SAMPLE TAKEN.   |                            |              |

Jan. 18/84.

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-23                                 |
| Location: Southwest Group                            | Date Started: _____                               |
| Level: Surface                                       | Date Finished: _____                              |
| Bearing: _____                                       | Logged by: G. Kasner & G. Hinse Signed: _____     |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Kenogami Lake  |
| Total Depth: _____                                   | Casing Pulled: (X) or Left: ( ) Acid Tests: _____ |
| Location of Collar: _____                            | Project: 1022 At: _____                           |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: _____   |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 5.0              | Casing.  |                            |              |
| 5.0 20.0             | Dirty carbonate, less than 1% pyrite.  |                            |              |
| 20.0 26.0            | As above, grading into a cleaner carbonate, less than 2% pyrite.                                       |                            |              |
| 26.0 94.0            | Still a dirty carbonate, less than 1% pyrite, 70° to core.<br>At 90.0, 6 inches of carbonate mudstone. |                            |              |
| 94.0 112.0           | Sandstone, conglomeratic, buff matrix at first, then green matrix grading into an ultramafic matrix.   |                            |              |
| 112.0 137.0          | Ultramafic, syenitized.  |                            |              |
| 137.0                | End of hole.   |                            |              |
|                      | NO SAMPLE TAKEN.   |                            |              |

Jan. 18/84.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group Date Started:  
 Level: Surface Date Finished:  
 Bearing: Logged by: G. Kasner & G. Hinse Signed:  
 Inclination:  $-45^{\circ}$  Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth: Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: Project: 1022 At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At:

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 3.0              | Casing.   |                            |              |
| 3.0 9.0              | Dirty carbonate.  |                            |              |
| 9.0 13.5             | Buff carbonate, less than 1% pyrite.  |                            |              |
| 13.5 49.0            | Dirty carbonate, occasional chert porphyroblasts and black chlorite gash veinlets.                      |                            |              |
| 49.0 55.0            | Carbonate mudstone.   |                            |              |
| 55.0 74.0            | Dirty carbonate, with some sections containing some pyrite.<br>At 74.0, 8 inches of carbonate mudstone. |                            |              |
| 74.0 106.0           | Sandstone, conglomeratic.<br>98.0-101.0, green beach conglomerate.                                      |                            |              |
| 106.0 127.0          | Ultramafic, becoming syenitized at 107.0 to 117.0.  |                            |              |
| 127.0                | End of hole.  |                            |              |

NO SAMPLE TAKEN.

Jan. 18/84.

DIAMOND DRILL LOG

|  |  |                   |
|--|--|-------------------|
| Company: Lenora Exploration Limited                  |  | Hole No. SW 83-25 |
| Location: Southwest Group                            | Date Started:                                    | Page No. 1        |
| Level: Surface                                       | Date Finished:                                   | Core Size: BQ     |
| Bearing:   | Logged by: G. Kasner & G. Hinse Signed: _____    |                   |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Kenogami Lake |                   |
| Total Depth:   | Casing Pulled: (X) or Left: ( )                  | Acid Tests:       |
| Location of Collar:                                  | Project: 1022                                    | At:               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |  | At:               |

| Footage<br>From - To | Geological & Physical Description            | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 21.0             | Casing.                                      |                            |              |
| 21.0 33.0            | Diorite?, fair pyrite locally.               |                            |              |
| 33.0 41.0            | Ultramafic, highly talcy.                    |                            |              |
| 41.0 100.0           | Dirty carbonate, little pyrite, 70° to core. |                            |              |
| 100.0                | End of hole.                                 |                            |              |
|                      | NO SAMPLE TAKEN.                             |                            |              |

Jan. 18/84.

DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-26                                |
| Location: Southwest Group                            | Date Started: _____                              |
| Level: Surface                                       | Date Finished: _____                             |
| Bearing: 24°E of Grid N                              | Logged: G. Kasner & G. Hinse Signed: _____       |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Kenogami Lake |
| Total Depth: _____                                   | Casing Pulled: (X) or Left: ( )                  |
| Location of Collar: 7+80W, 6+10N                     | Project: 1022                                    |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: _____  |
|  | Core Size: BQ                                    |
|  | Acid Tests: _____                                |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 11.0             | Casing.   |                            |              |
| 11.0 24.0            | Buff carbonate, somewhat dirty, 70-80° to core, 1% disseminated pyrite.   |                            |              |
| 24.0 97.0            | Dirty carbonate, very dirty to almost ultramafic locally, contorted. Where well lineated, 80° to core. Up to 1% fine pyrite. Odd quartz porphyroblasts. |                            |              |
| 97.0 134.0           | Sandstone, dirty, mostly ultramafic matrix, few clasts, locally green mica rich matrix, but dirty, traces of pyrite. Possible fault at 134.0.           |                            |              |
| 134.0                | Ultramafic.   |                            |              |
| 202.0                | End of hole.  |                            |              |
|                      | NO SAMPLE TAKEN.  |                            |              |

Jan. 18/84.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group      Date Started:  
 Level: Surface      Date Finished:  
 Bearing: 24° E of Grid N      Logged: G. Kasner & G. Hinse      Signed: \_\_\_\_\_  
 Inclination: -45°      Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth:      Casing Pulled: (X) or Left: ( )      Acid Tests:  
 Location of Collar: 9+30W, 6+15N      Project: 1022      At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario      At:

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

|             |   |  |  |
|-------------|---|--|--|
| 0.0 42.0    | Casing.   |  |  |
| 42.0 51.0   | Dirty carbonate with ultramafic material and green chlorite, little or no sericite. |  |  |
| 51.0 63.0   | Buff carbonate, mostly sericite, little chert and pyrite.                           |  |  |
| 63.0 71.0   | As above.   |  |  |
| 71.0 72.5   | Carbonate mudstone.   |  |  |
| 72.5 115.0  | Dirty carbonate, some sericite.   |  |  |
| 115.0 115.5 | Carbonate mudstone.   |  |  |
| 115.5 158.0 | Sandstone, conglomerate.  |  |  |

|      |       |       |       |
|------|-------|-------|-------|
| 1063 | 136.5 | 139.5 | 0.01  |
| 1064 | 139.5 | 143.0 | 0.01  |
| 1065 | 146.0 | 149.0 | 0.075 |
| 1066 | 149.0 | 152.0 | 0.02  |
| 1067 | 152.0 | 155.0 | 0.02  |
| 1068 | 155.0 | 158.0 | 0.04  |
| 1069 | 158.0 | 161.0 | 0.004 |
| 1070 | 161.0 | 164.0 | 0.01  |

158.0 191.0 Ultramafic, syenitized.

NO AVERAGE CALCULATED.

191.0 End of hole.

Core all contorted with several quartz-feldspar veins and veinlets.  
 Could be close to a major fault.

Jan. 18/84.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: SW Group Date Started: Oct. 7/83  
 Level: Surface Date Finished: Oct. 16/83  
 Bearing: 20° E of Grid North Logged by: Guy Hinse Signed: \_\_\_\_\_  
 Inclination: -45° Core Saved or Discarded: Stored at Omega Mine  
 Total Depth: 313.0 feet Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: 1105N, 200W Project: 1022 At: Collar -45°  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At: NO TEST

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number                               | Au<br>oz/ton        |
|----------------------|---|--|---------------------|
| 0.0 107.0            | Casing  |  |                     |
| 107.0 131.5          | Brecciated green chlorite zone or basalt, 10-40% white carbonate, minor quartz, barren.<br>117.0-125.0, abrupt change of fragments to dark grey, slightly talcy with 10-30% white carbonate matrix.<br>125.0-131.5 as at 117.0-125.0.   |  |                     |
| 131.5 136.5          | Grey chert zone, massive, up to 3% disseminated pyrite, towards 136.5, grades into a white quartz breccia with up to 5-7% pyrite.   | 1238 131.5 134.0<br>1239 134.0 136.5                     | .075<br>.005        |
| 136.5 310.0          | From 136.5-141.5 gradual change from above to a green massive basalt, weakly brecciated or fractured, barren, at 152.0, up to 10-20% nodular carbonate up to 2-3 mm.<br>155.0, rusty over 1.0 foot, sheared 30° to core axis, abrupt contact with porphyritic, slightly fractured basalt, generally barren. Few irregular quartz veins with associated pyrite. Size of feldspar porphyry decreasing towards 225.0.<br>225.0 massive, very fine grained basalt.<br>237.5-240.5, up to 10-20% pyrite associated with quartz veining at 239.0.<br>257.0, weakly brecciated or fractured basalt similar to 136.5-155.0.<br>279.0 porphyritic, speckled with 20-30% fine feldspar. | 1240 136.5 139.0<br>1241 139.0 141.5<br>1242 237.5 240.5 | .005<br>NIL<br>.005 |
| 310.0                | End of hole.  |  |                     |

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-29                             |
| Location: Omega Group                                | Date Started: Page No. 1                      |
| Level: Surface                                       | Date Finished: Core Size: BQ                  |
| Bearing: 20° E of Grid N                             | Logged by: Guy Hinse Signed: _____            |
| Inclination: 145°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 277.0 feet                              | Casing Pulled: (X) or Left: ( ) Acid Tests:   |
| Location of Collar: 9+33W, 6+26N                     | Project: 1022 At: NO TEST TAKEN               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At  |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number   | Au<br>oz/ton |
|----------------------|---|--|--------------|
| 0.0 49.0             | Casing  |  |              |
| 49.0 106.0           | Well laminated to contorted 50% carbonate and 50% volcanoclastic, basaltic. Predominantly 45° to core axis. Few specks of pyrite locally associated with quartz.  |  |              |
| 106.0 121.0          | Conglomerate, few chert clasts up to 10 mm in an heterogeneous sandy matrix.  |  |              |
| 121.0 142.0          | Beach sandstone, 60° to core axis.  |  |              |
| 142.0 152.0          | Carbonate zone, well laminated 50 to 80° to core axis, almost all carbonate and 30-40% sericite, traces of pyrite locally. Increasing in clastic content towards 152.0.   |  |              |
| 152.0 171.0          | Basalt tuff with 40% carbonate, minor quartz, brecciated locally, traces of pyrite. 1.0' of conglomerate at 162.0, brecciated.  |  |              |
| 171.0 184.0          | Silicified zone, 5-10% disseminated pyrite, 10% quartz veining.   | 1243 171.0 174.0 0.002<br>1244 174.0 177.0 0.002<br>1245 177.0 180.0 0.002<br>1246 180.0 184.0 0.002                       |              |
| 184.0 201.0          | Ultramafic conglomerate, 60% ultramafic clasts, slightly stretched up to 5 cm with few carbonate clasts, up to 2 cm. Weakly to highly brecciated.<br>First 3.0 feet, parallel to core axis, sheared, possible fault at 201.0. |  |              |
| 201.0 215.7          | Silicified zone, 1-3% pyrite, weakly brecciated with up to 10% quartz.  | 1247 201.0 204.0 NIL<br>1248 204.0 207.0 NIL<br>1249 207.0 210.0 0.002<br>1250 210.0 213.0 0.005<br>1251 213.0 215.7 0.002 |              |
| 215.7 248.0          | Ultramafic brecciated, contorted, 10-30% white carbonate, barren, possible conglomerate.  |  |              |
| 248.0 255.0          | Weakly silicified and altered with pink carbonate and feldspar along gash planes. Sharp lower contact at 40° to core axis. Traces of pyrite.  |  |              |



DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. SW 83-29

Project: McVittie Township

Project No: 1022

Page No. 2

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

|             |  |  |  |
|-------------|--|--|--|
| 255.0 277.0 | Ultramafic conglomerate, 60% ultramafic clasts up to 5 cm, 5% conglomerate clasts up to 10 cm, weakly brecciated, few large nodules of pyrite. |  |  |
|-------------|--|--|--|

|       |              |  |  |
|-------|--------------|--|--|
| 277.0 | End of hole. |  |  |
|-------|--------------|--|--|

Dec. 21/83.

DIAMOND DRILL LOG

|  |   |               |
|--|---|---------------|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-30                             |               |
| Location: Omega Group                                | Date Started:                                 | Page No. 1    |
| Level: Surface                                       | Date Finished:                                | Core Size: BQ |
| Bearing: 20° E of Grid N                             | Logged by: Guy Hinse                          | Signed: _____ |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |               |
| Total Depth: 581.0 feet                              | Casing Pulled: (X) or Left: ( )               | Acid Tests:   |
| Location of Collar: 36+00W, 11+60N                   | Project: 1022                                 | At: 588' -33° |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   | At: 1         |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 34.0             | Casing   |                            |              |
| 34.0 72.0            | 40% basalt tuff material interlayered with 60% quartz and feldspar along bedding, highly sheared, brecciated, 45° to core axis. Barren.  |                            |              |
| 72.0 147.0           | As above, pink-grey, highly silicified and locally hematized, highly brecciated, 1-2% disseminated pyrite. Locally matrix is hematite-rich.<br>127.0-147.0, medium pink-red, highly siliceous, brecciated, 3-5% disseminated pyrite.                 |                            |              |
| 147.0 205.0          | Alteration and brecciation decreasing down hole, at 160.0, well laminated at 60° to core axis. Interlayers of tuff and 20-60% carbonate. Contains sections of highly silicified, pink material as above, locally highly brecciated with 1-3% pyrite. |                            |              |
| 205.0 242.0          | Basaltic tuff, locally well bedded at 60-80° to core axis. Approximately 20% of the tuff is altered to varying stages. Up to 10% carbonate layers. Generally barren.   |                            |              |
| 242.0 272.0          | Mostly beach sediments, micro conglomerate and sandstone, very heterogeneous with mainly basaltic tuff as matrix. Well laminated 60° to core axis.   |                            |              |
| 272.0 287.0          | Finely laminated tuff with 50% carbonate, 60° to core axis, barren.  |                            |              |
| 287.0 297.0          | Conglomerate, few chert clasts in a sandy matrix.  |                            |              |
| 297.0 325.0          | Silicified zone, pink, 2% disseminated pyrite.<br>309.0 on alteration decreases to low, mainly tuffaceous material, well laminated at 60° to core axis.  |                            |              |
| 325.0 349.0          | Well layered carbonate and tuff material at 60° to core axis, locally sandy, generally barren.   |                            |              |
| 349.0 355.0          | Conglomerate, few stretched clasts in a sandy matrix.  |                            |              |
| 355.0 372.0          | Sandstone, 60° to core axis, several sections of micro conglomerate. Some pyrite.  |                            |              |
| 372.0 429.0          | Tuff and carbonate, minor sandy material. Less than 1% pyrite.   | 1262 412.5 417.0           | NIL          |
| 429.0 435.5          | Conglomerate, few mainly chert clasts in a sandy matrix, 60° to core axis.   |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. SW 83-30  
Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 435.5 441.0          | Carbonate zone with minor tuffaceous material, well laminated at 55° to core axis. 10-15% white and cherty quartz veining, 1-2% disseminated pyrite. Locally sandy.   | 1263             | 435.5 441.0 | 0.002        |
| 441.0 470.0          | Conglomerate as above, 429.0-435.5.   |                  |             |              |
| 470.0 490.0          | Buff carbonate, minor tuffaceous material, locally highly cherty, 1-2% pyrite, minor sandy material.  | 1264             | 470.0 474.5 | 0.002        |
|                      |   | 1265             | 474.5 477.5 | NIL          |
|                      |   | 1266             | 477.5 479.5 | NIL          |
|                      |   | 1267             | 479.5 483.0 | NIL          |
| 490.0 505.5          | Conglomerate, few clasts in a sandy matrix composed of 50-50 buff carbonate and tuffaceous material, 60° to core axis, less than 1% disseminated pyrite.  | 1268             | 507.0 510.2 | 0.02         |
|                      |   | 1269             | 510.2 514.0 | NIL          |
|                      |   | 1270             | 516.0 519.2 | NIL          |
|                      |   | 1271             | 521.5 524.7 | NIL          |
|                      |   | 1272             | 524.7 527.0 | NIL          |
|                      |   | 1273             | 527.0 531.5 | 0.002        |
|                      |   | 1274             | 532.5 534.0 | NIL          |
| 505.5 581.0          | Buff carbonate, 60° to core axis, fairly cherty with 1 to 3% pyrite intermixed with dark grey, cherty mudstone with less than 1% pyrite. Odd chert vein, barren, minor sandstone.<br>At 534.0, top up hole by gradation in mudstone.<br>Last 6.0 feet increasing alteration as in the early part of the hole. |                  |             |              |
| 581.0                | End of hole.  |                  |             |              |

Dec. 21/83.

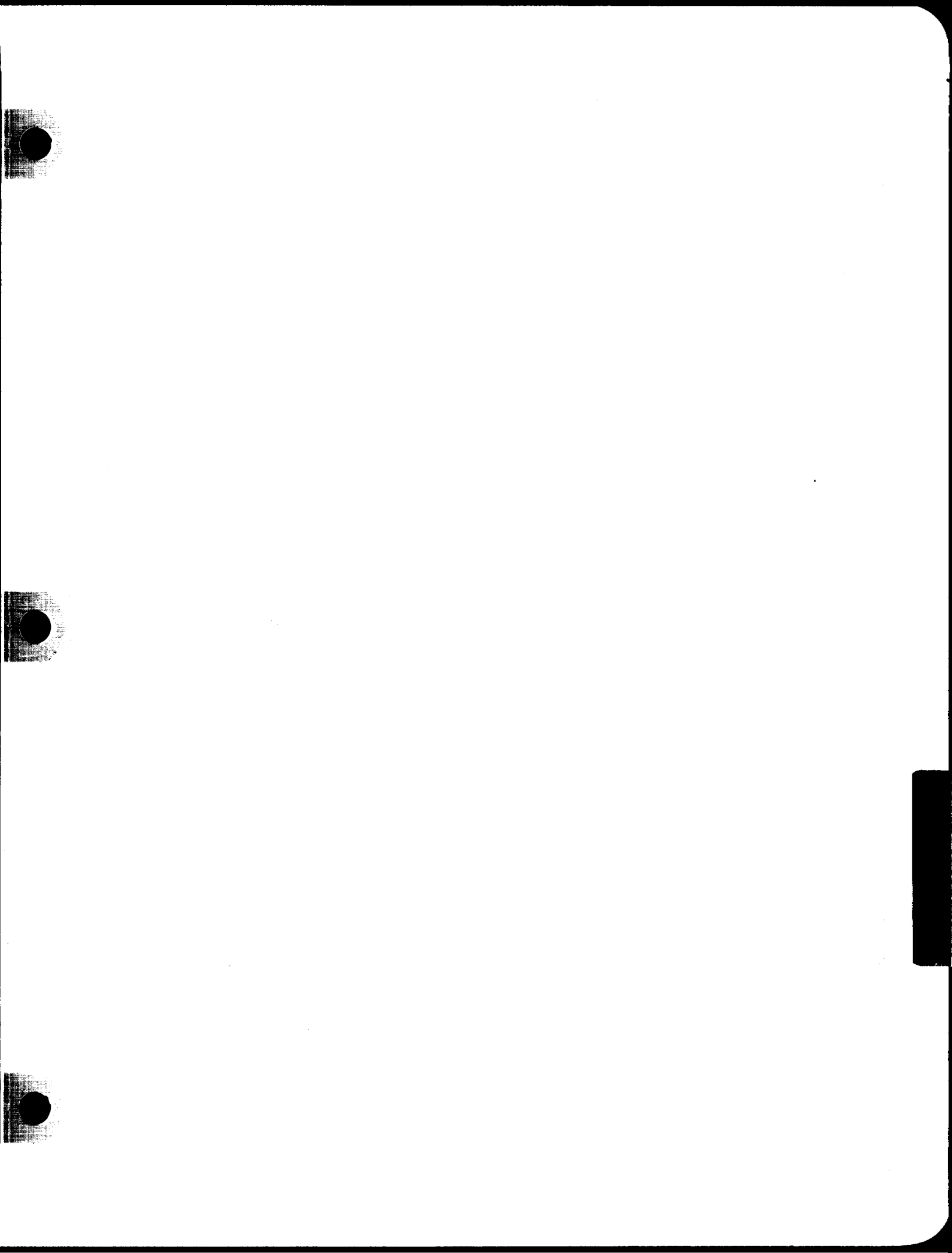
DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group  
 Level: Surface  
 Bearing: 20° E of Grid N  
 Inclination: -45°  
 Total Depth: 357.0 feet  
 Location of Collar: 24+00W, 8+50N  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

Date Started: Nov. 03/83  
 Date Finished: Nov. 06/83  
 Logged by: Guy Hinse  
 Core Saved or Discarded: Stored at Omega Mine  
 Casing Pulled: (X) or Left: ( )  
 Project: 1022

Hole No. SW 83-31  
 Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests:  
 At: 350' -36°  
 At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 114.0            | Casing   |                  |             |              |
| 114.0 116.0          | Brick red dike, weakly brecciated, 1-3% pyrite, sharp contacts, no chilling, at 60° to core axis.  |                  |             |              |
| 116.0 119.0          | Ultramafic, 30-40% white carbonate, brecciated, barren.  |                  |             |              |
| 119.0 155.5          | Basaltic tuff, green, very fine grained, well laminated at 70-80° to core axis, few feldspar and quartz veinlets, locally contorted, generally barren.   |                  |             |              |
| 155.5 186.5          | Sandstone, basaltic tuff with sandstone texture, few odd chert clasts, traces of pyrite. Well laminated 60° to core axis.<br>167.0 & 172.0 foot-long mudstone sections, barren, cherty.  |                  |             |              |
| 186.5 198.0          | Carbonate, buff, 10% tuffaceous material, minor sandy material, few specks of pyrite, 10% quartz veining.  |                  |             |              |
| 198.0 207.5          | Mudstone, dark grey, cherty locally with few specks of pyrite.   |                  |             |              |
| 207.5 225.0          | Weakly to moderately altered rock. Could be a sandstone, silicified. Well laminated at 70° to core axis.   |                  |             |              |
| 225.0 228.0          | Breccia zone, cherty.  |                  |             |              |
| 228.0 280.0          | Altered zone as before. Contains short sections of green mica-rich cherty zone and sections of pink to highly siliceous brick red alteration with up to 5-7% fine disseminated pyrite. Weakly brecciated to laminated at 60° to core axis.<br>254.0-280.0, mainly dark red highly siliceous rock, massive, 1 to 5% fine disseminated pyrite. Like in other holes, contact area is usually highly brecciated host rock. |                  |             |              |
| 280.0 291.0          | Ultramafic, highly contorted, 30-40% white carbonate, locally sheared parallel to core axis, contains clasts of above rock.  |                  |             |              |
| 291.0 357.0          | Medium to dark pink, coarse grained dike? Locally highly cherty with lighter color and up to 10% fine disseminated pyrite. 10-20% white quartz veining with black tourmaline fracture filling.   | 1275             | 318.5 321.5 | 0.002        |
|                      |  | 1276             | 330.0 333.6 | 0.01         |
|                      |  | 1277             | 335.7 339.2 | 0.002        |
|                      |  | 1278             | 340.5 345.5 | 0.005        |
| 357.0                | End of hole.   |                  |             |              |
| Dec. 21/83.          |  |                  |             |              |
| II-11...30           |  |                  |             |              |



APPENDIX 4

Diamond Drill Logs of Holes OM 83-28 to OM 83-76

DIAMOND DRILL LOG

|   |  |                   |
|---|--|-------------------|
| Company: Lenora Exploration Limited               | Date Started:                                  | Hole No. OM 83-28 |
| Location: Lake Claim                              | Date Finished:                                 | Page No. 1        |
| Level: Surface                                    | Logged by: Guy Hinse                           | Signed: _____     |
| Bearing: 43° W of grid                            | Core Saved or Discarded: Stored at Omega mine. | Core Size: BQ     |
| Inclination: -45°                                 | Casing Pulled: (X) or Left: ( )                | Acid Tests:       |
| Total Depth: 459.0 feet                           | Project: 1022                                  | At: 400' -41°     |
| Location of Collar: 1340E, 500S                   |  | At:               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |  |                   |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 14.0             | Casing  |                            |              |
| 14.0 267.0           | Syenite, mafic, coarse grained, medium grey to pink. 80% coarse grey and pink feldspar in a hornblende rich matrix, locally altered to green chlorite. Contains narrow carbonated and silicified sections with traces of pyrite, usually associated with well lined sections of green chlorite, 60° to core axis. |                            |              |
|                      | 0.0-57.0, broken up, several rusty slips.   |                            |              |
|                      | 90.5, ½" quartz vein at 30° to core axis, with adjoining silicification over 2 to 3 feet, traces of pyrite.   |                            |              |
|                      | 104.0-107.5, broken up, vuggy, rusty slips, possible fault.   |                            |              |
|                      | 106.0-107.0, 60-80% quartz patches with traces of pyrite.   |                            |              |
|                      | 112.0-117.0, broken up, rusty slips.  |                            |              |
|                      | 128.0-131.0, altered, carbonated, silicified.   |                            |              |
|                      | 132.0-152.0, finer grained, slightly brecciated.  |                            |              |
|                      | 179.0-193.0, altered zone, well schisted, locally contorted with quartz and/or feldspar patches or veinlets, 60 to 90° to core axis. Mostly green chlorite with 30-40% albite-rich narrow sections.   |                            |              |
|                      | Rusty at 181.0, 182.0, 188.5, 191.0.  |                            |              |
|                      | Alteration decreasing towards 198.0.  |                            |              |
|                      | 198.0, syenite as before, local lineation at 55° to core axis.  |                            |              |
| 267.0 270.0          | Porphyry, dark pink, fine grained, massive, contains a few specks of pyrite. Sharp lower contact, 90° to core axis.   |                            |              |
| 270.0 294.5          | Ultramafic, tuffaceous, very fine grained, barren, 60° to core axis.  |                            |              |
| 294.5 298.5          | Lamprophyre, biotite-carbonate, coarse grained, sharp upper and lower contact at 60° to core axis.  |                            |              |
| 298.5 299.5          | Ultramafic as 270.0-294.5.  |                            |              |
| 299.5 302.5          | Lamprophyre as before, 45° to core axis.  |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-28  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 302.5 324.5          | Ultramafic as before.  |                            |              |
| 324.5 340.5          | Syenite as before. Last 2.0 feet, ½" quartz vein parallel to core axis with up to 10% pyrite.                      |                            |              |
| 340.5 363.0          | Ultramafic as before, tuffaceous, 60° to core axis.  |                            |              |
| 363.0 373.0          | Feldspar porphyry, 10% feldspar phenos in a medium to dark grey matrix. Massive, barren.                           |                            |              |
| 373.0 423.0          | Ultramafic as before, one large cluster of pyrite.   |                            |              |
|                      | 421.0-423.0, carbonate breccia.  |                            |              |
| 423.0 459.0          | Looks like an argillite, very fine to fine-medium grained, apparent bedding at 60° to core axis with tops up hole. |                            |              |
| 459.0                | End of hole.   |                            |              |



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group  
 Level: Surface  
 Bearing: 329°  
 Inclination: -52°  
 Total Depth: 217.0 feet  
 Location of Collar: 1317E, 1132N  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ont.

Date Started: June 27/83  
 Date Finished: June 28/83  
 Logged by: Guy Hinse  
 Core Saved or Discarded: Stored at Omega Mine  
 Casing Pulled: (X) or Left: ( )  
 Project: 1022

Hole No. 83-29  
 Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests: At: No test.  
 At:

| Footage From - To    | Geological & Physical Description  | Sample Number | From - To   | Au oz/ton |
|----------------------|--|---------------|-------------|-----------|
| 0.0 35.0             | Casing   |               |             |           |
| 35.0 108.0           | Buff carbonate mudstone, fairly well laminated at 35° to core axis, 10 to 30% chert, little pyrite.                                      | 178           | 35.0 43.3   | NIL       |
|                      |  | 179           | 43.3 48.7   | 0.01      |
| 50.0-51.1            | carbonate-chlorite breccia, 40° to core axis.  | 180           | 48.7 51.5   | 0.01      |
|                      |  | 181           | 51.5 59.0   | 0.002     |
| 60.0-69.0            | 50% quartz and/or chert, 1% pyrite locally. Brecciated, broken up to 5-10% pyrite.   | 182           | 59.0 62.1   | 0.10      |
|                      |  | 183           | 62.1 64.5   | 0.05      |
|                      |  | 184           | 64.5 67.0   | 0.10      |
|                      |  | 185           | 67.0 69.9   | 0.06      |
|                      |  | 186           | 69.9 72.1   | 0.005     |
|                      |  | 187           | 72.1 76.6   | 0.005     |
| 72.5                 | buff carbonate, less than 10% chert, 35° to core axis.   | 188           | 76.6 83.0   | 0.005     |
|                      |  | 189           | 83.0 88.0   | 0.002     |
|                      |  | 190           | 88.0 90.2   | 0.02      |
|                      |  | 191           | 90.2 92.1   | 0.005     |
| 93.0-108.0           | homogeneous grey mudstone or grey carbonate as on surface, well laminated 50° to core axis.  |               |             |           |
| 93.0-94.0; 95.5-97.0 | quartz breccia.  | 192           | 92.1 97.0   | 0.19      |
|                      |  | 193           | 97.0 100.1  | NIL       |
|                      |  | 194           | 100.1 103.0 | 0.002     |
|                      |  | 195           | 103.0 106.2 | 0.005     |
|                      |  | 196           | 106.2 108.3 | 0.01      |
| 108.0 127.0          | Mineralized grey carbonate, up to 40% quartz locally. Contains up to 10% fine disseminated pyrite, somewhat decreasing to 2-5% at 115.0. | 197           | 108.3 111.2 | 0.08      |
|                      |  | 198           | 111.2 115.7 | 0.40      |
|                      |  | 199           | 115.7 118.1 | 0.005     |
|                      |  | 200           | 118.1 121.7 | 0.02      |
|                      |  | 201           | 121.7 124.2 | 0.03      |
|                      |  | 202           | 124.2 127.4 | 0.002     |
| 127.0 146.0          | Grey mudstone, less than 5% quartz, 35° to core axis, Homogeneous, contains muscovite.   | 203           | 127.4 130.5 | 0.002     |
|                      |  | 204           | 130.5 132.4 | 0.27      |
|                      |  | 205           | 132.4 140.0 | .002      |
|                      |  | 206           | 140.0 146.0 | .002      |

59.0-69.9  
 10.9 .078

3.1  
 2.4  
 2.5  
 2.9  
 10.9

92.1-132.4  
 40.3 .091  
 92.1-115.7  
 23.6' .127

108.3-132.4  
 24.1 .113  
 128.4-132.4  
 .129

4.9  
 3.1  
 2.9  
 3.2  
 2.1  
 2.9  
 4.5  
 2.4  
 3.6  
 2.5  
 3.2  
 3.1  
 1.9  
 2.1  
 1.9

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie township.

Project No: 1022

Hole No. OM 83-29  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 146.0 153.0          | Buff carbonate, 10% chert, locally green.   | 207              | 146.0 149.0 | .002         |
|                      |   | 208              | 149.0       | .002         |
| 153.0-217.0          | Ultramafic carbonate, well carbonated to dull shades of light green with carbonate content decreasing down hole. Several rusty slips with changes in schistosity from 30 to 90° to core axis. |                  |             |              |
| 217.0                | End of hole.  |                  |             |              |

## AVERAGES:

59.0 to 69.9, 10.9 feet of 0.078  
 92.1 to 132.4, 40.3 feet of 0.091  
 92.1 to 115.7, 23.6 feet of 0.127  
 108.3 to 132.4, 24.1 feet of 0.113

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group  
 Level: Surface  
 Bearing: 016°  
 Inclination: -45°  
 Total Depth: 307.0 feet  
 Location of Collar: 1317E, 1132N  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ont.

Date Started: *Oct. 28/83*  
 Date Finished: *Nov. 02/83*  
 Logged by: Guy Hinse  
 Core Saved or Discarded: Stored at Omega mine  
 Casing Pulled: (X) or Left: ( )  
 Project: 1022

Hole No. OM 83-30  
 Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests:  
 At: 300' 40°  
 At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 27.0             | Casing   |                  |             |              |
| 27.0 111.0           | Buff-grey to grey-buff carbonate, weakly brecciated to laminated parallel to 20° to core axis. | 102              | 44.2 45.2   | .002         |
|                      |  | 103              | 46.6 46.9   | NIL          |
|                      |  | 104              | 48.7 50.5   | NIL          |
|                      |  | 105              | 51.6 52.6   | NIL          |
|                      |  | 106              | 54.5 56.2   | .002         |
|                      |  | 142              | 56.2 57.5   | .005         |
|                      |  | 143              | 59.0 62.3   | .002         |
|                      |  | 144              | 63.7 67.5   | .002         |
|                      |  | 145              | 68.1 70.2   | .002         |
|                      |  | 146              | 70.2 71.0   | .002         |
|                      | 71.0-74.0, highly rusty, vuggy.  | 147              | 71.0 71.9   | .002         |
|                      |  | 148              | 71.9 72.9   | .002         |
|                      |  | 149              | 72.9 74.0   | .005         |
|                      |  | 150              | 74.0 75.2   | .005         |
|                      | 83.0-89.0, ultramafic carbonate.   | 151              | 76.4 79.1   | .005         |
|                      |  | 152              | 85.1 87.2   | .002         |
|                      |  | 153              | 88.7 90.3   | NIL          |
|                      |  | 154              | 92.4 93.6   | .005         |
|                      |  | 107              | 93.6 95.7   | .002         |
|                      |  | 108              | 102.1 104.3 | .005         |
|                      |  | 109              | 104.3 106.7 | .002         |
|                      |  | 110              | 107.0 108.9 | NIL          |
|                      |  | 111              | 108.9 110.6 | NIL          |
| 111.0 135.0          | Ultramafic carbonate grading into ultramafic at 135.0.   | 112              | 111.5 113.6 | NIL          |
|                      |  | 113              | 113.6 116.4 | NIL          |
|                      |  | 114              | 116.4 118.4 | NIL          |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-30  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description                             | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
|                      |   | 116              | 118.4 121.0 | NIL          |
|                      |   | 117              | 121.0 123.2 | NIL          |
|                      |   | 118              | 123.2 125.8 | NIL          |
|                      | 125.0-128.0, highly rusty, vuggy.                             |                  |             |              |
|                      |   | 119              | 125.8 127.9 | NIL          |
|                      |   | 120              | 127.9 130.2 | NIL          |
|                      |   | 121              | 130.2 132.1 | NIL          |
|                      |   | 122              | 132.1 134.9 | NIL          |
|                      | 135.0 223.0 Grey cherty shaly carbonate, less than 1% pyrite. |                  |             |              |
|                      |   | 123              | 137.0 140.1 | NIL          |
|                      |   | 124              | 143.6 144.6 | NIL          |
|                      |   | 125              | 147.0 149.8 | NIL          |
|                      |   | 126              | 150.5 152.0 | NIL          |
|                      |   | 127              | 152.0 153.9 | NIL          |
|                      |   | 128              | 153.9 154.6 | NIL          |
|                      |   | 129              | 154.6 156.1 | NIL          |
|                      |   | 130              | 156.1 157.8 | NIL          |
|                      |   | 131              | 157.8 159.3 | .002         |
|                      |   | 132              | 159.3 161.4 | NIL          |
|                      |   | 133              | 161.4 164.2 | NIL          |
|                      |   | 134              | 164.2 166.2 | NIL          |
|                      |   | 135              | 166.2 169.8 | .002         |
|                      |   | 136              | 169.8 171.2 | NIL          |
|                      |   | 137              | 173.2 176.2 | NIL          |
|                      |   | 138              | 176.2 178.6 | NIL          |
|                      |   | 139              | 178.6 181.5 | NIL          |
|                      |   | 140              | 183.0 185.4 | NIL          |
|                      |   | 141              | 185.4 188.2 | NIL          |
|                      |   | 155              | 188.7 192.8 | NIL          |
|                      |   | 156              | 192.8 195.7 | .002         |
|                      |   | 157              | 195.7 197.8 | 0.02         |
|                      |   | 158              | 197.8 200.7 | 0.02         |
|                      |   | 159              | 200.7 202.8 | 0.02         |
|                      |   | 160              | 202.8 205.7 | 0.01         |
|                      |   | 161              | 205.7 207.0 | 0.01         |
|                      |   | 162              | 207.0 209.7 | 0.01         |
|                      |   | 163              | 209.7 215.9 | 0.01         |
|                      |   | 164              | 215.9 222.0 | 0.005        |
|                      |   | 165              | 222.0 223.5 | 0.01         |
|                      |   | 166              | 224.0 227.7 | 0.002        |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-30  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
|                      |   | 167              | 227.7 233.2 | NIL          |
|                      | 225.5, 3 inches of fault gouge.   |                  |             |              |
| 225.5 274.0          | Grey highly brecciated cherty mudstone or carbonate. Looks like a recrystallized and silicified graphitic rock or mudstone. |                  |             |              |
|                      | 255.0 and 257.0, 8 inches of graphitic cherty shale.  |                  |             |              |
|                      |   | 168              | 233.2 243.2 | 0.005        |
|                      |   | 169              | 243.2 248.5 | 0.01         |
|                      |   | 170              | 248.5 252.5 | NIL          |
|                      |   | 171              | 252.5 255.0 | 0.002        |
|                      |   | 172              | 255.0 259.7 | 0.004        |
|                      |   | 173              | 259.7 261.0 | 0.005        |
|                      |   | 174              | 261.0 264.0 | 0.005        |
|                      |   | 175              | 264.0 268.7 | 0.002        |
|                      |   | 176              | 268.7 273.5 | 0.002        |
|                      |   | 177              | 273.5 278.4 | NIL          |
| 274.0 307.0          | Buff carbonate, highly brecciated at first, massive to weakly laminated, very fine grained locally, looks recrystallized.   |                  |             |              |
| 307.0                | End of hole.  |                  |             |              |
|                      | NO AVERAGE CALCULATED.  |                  |             |              |

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No.83-31                                 |
| Location: Omega Group                             | Date Started: Page No. 1                      |
| Level: Surface                                    | Date Finished: Core Size: BQ                  |
| Bearing: 295°                                     | Logged by: Guy Hinse Signed: _____            |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 256.0 feet                           | Casing Pulled: (X) or Left: ( ) Acid Tests:   |
| Location of Collar: 1317E, 1132N                  | Project: 1022 At: 256' -40°                   |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | At:   |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 35.0             | Casing  |                  |             |              |
| 35.0 73.0            | Carbonate, buff to green with short sections of cherty pyritized mudstone or cherty carbonate with white quartz veining, 3-4% pyrite. | 209              | 35.0 37.8   | 0.02         |
|                      |   | 210              | 37.8 42.5   | 0.002        |
|                      |   | 211              | 42.5 45.5   | 0.002        |
|                      |   | 212              | 45.5 48.6   | 0.005        |
|                      |   | 213              | 48.6 51.7   | 0.002        |
|                      |   | 214              | 51.7 53.6   | 0.04         |
|                      |   | 215              | 53.6 58.0   | 0.005        |
|                      |   | 216              | 58.0 60.5   | 0.005        |
|                      |   | 217              | 60.5 63.0   | 0.02         |
|                      |   | 218              | 63.0 64.9   | 0.035        |
|                      |   | 219              | 64.9 68.4   | 0.01         |
|                      |   | 220              | 68.4 70.5   | 0.02         |
|                      |   | 221              | 70.5 71.8   | 0.002        |
|                      |   | 222              | 71.8 73.2   | 0.01         |
| 73.0 76.0            | Highly brecciated white quartz breccia.   | 223              | 73.2 75.8   | 0.03         |
| 76.0 101.0           | Mineralized carbonate or pyritized-carbonate mudstone.  | 224              | 75.8 78.6   | 0.06         |
|                      |   | 225              | 78.6 83.1   | 0.04         |
|                      |   | 226              | 83.1 85.7   | 0.02         |
|                      |   | 227              | 85.7 91.0   | NIL          |
|                      |   | 228              | 91.0 94.0   | 0.03         |
|                      |   | 229              | 94.0 98.0   | .002         |
|                      |   | 230              | 98.0 101.7  | 0.17 3.7     |
| 101.0 160.0          | Interlayered tuffaceous carbonate and weakly syenitized rock with 3-10% pyrite, grading into tuff at 115.0.                           | 231              | 101.7 103.4 | 0.07 1.7     |
|                      |   | 232              | 103.4 107.0 | 0.50 3.6     |
|                      |   | 233              | 107.0 113.0 | 0.002 6.0    |
|                      |   | 234              | 113.0 115.9 | 0.25 2.9     |
|                      |   | 235              | 115.9 120.7 | 0.002        |
|                      |   | 236              | 120.7 123.0 | 0.01         |
|                      |   | 237              | 123.0 125.5 | 0.02         |
|                      |   | 323              | 123.6 127.0 | NIL          |
|                      |   | 324              | 127.0 132.0 | .002         |
|                      |   | 325              | 132.0 137.0 | NIL          |
|                      |   | 326              | 137.0 142.0 | NIL          |

98.0-115.9  
17.9 184

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-31  
Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
|                      |   | 327              | 142.0 147.0 | .002         |
|                      |   | 238              | 147.0 150.0 | 0.03         |
|                      |   | 239              | 150.0 154.0 | 0.38 4.0     |
|                      |   | 301              | 154.0 157.4 | 0.002 3.4    |
| 160.0 205.0          | Green carbonate, 20-30% white quartz.<br>Section from 73.0 to 186.0 contains numerous short sections of quartz breccia, usually well mineralized. |                  |             |              |
|                      |   | 302              | 157.4 162.5 | 0.01 5.1     |
|                      |   | 240              | 162.5 166.5 | 0.76 4.0     |
|                      |   | 303              | 166.5 169.1 | 0.002 2.6    |
|                      |   | 304              | 169.1 171.6 | 0.21 2.5     |
|                      |   | 305              | 171.6 174.1 | 0.02 2.5     |
|                      |   | 306              | 174.1 177.0 | 0.04 2.9     |
|                      |   | 241              | 177.0 179.7 | 0.06 2.7     |
|                      |   | 307              | 179.7 182.3 | 0.24 2.6     |
|                      |   | 308              | 182.3 187.3 | 0.01         |

150.0-166.5  
16.5 .28

150.0-182.3  
32.3 .189

Grading into a dull green carbonate at 191.0.

205.0 212.0 Ultramafic carbonate

212.0 256.0 Ultramafic.  
249.0-252.0, rusty, broken, vuggy.

256.0 End of hole.

AVERAGES:

98.0 to 115.9, 17.9 feet of 0.184  
150.0 to 166.5, 16.5 feet of 0.28  
150.0 to 182.3, 32.3 feet of 0.189

DIAMOND DRILL LOG

|   |   |               |
|---|---|---------------|
| Company: Lenora Exploration Limited               | Date Started:                                 | Hole No.83-32 |
| Location: Omega Group                             | Date Finished:                                | Page No. 1    |
| Level: Surface                                    | Logged by: Guy Hinse                          | Core Size: BQ |
| Bearing: 305°                                     | Signed: _____                                 |               |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine |               |
| Total Depth: 337.0 feet                           | Casing Pulled: (X) or Left: ( )               | Acid Tests:   |
| Location of Collar: 1006N, 1304E                  | Project: 1022                                 | At: 337' -36° |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |   | At:           |

| Footage From - To | Geological & Physical Description  | Sample Number | From - To   | Au oz/ton |
|-------------------|--|---------------|-------------|-----------|
| 0.0 12.0          | Casing   |               |             |           |
| 12.0 55.0         | Carbonate, dull grey-green, laminated to weakly brecciated, 60° to core axis.  | 242           | 22.7 27.0   | .002      |
|                   |  | 243           | 50.7 55.0   | .005      |
| 55.0 68.5         | Cherty mudstone, massive to brecciated, up to 20% pyrite.  | 244           | 55.0 57.3   | 0.13      |
|                   |  | 245           | 57.3 59.8   | 0.02      |
|                   |  | 246           | 59.8 62.0   | .005      |
|                   |  | 247           | 62.0 65.9   | 0.03      |
|                   |  | 248           | 65.9 68.4   | 0.01      |
| 68.5 91.0         | Carbonate, buff to grey, well laminated at 55° to core axis.   | 250           | 68.4 73.0   | NIL       |
|                   |  | 249           | 85.4 87.9   | .005      |
|                   |  | 251           | 87.9 90.0   | .005      |
| 91.0 121.0        | Massive to weakly laminated grey carbonate, 50° to core axis.<br>At 103.0, carbonate becomes cherty, with less than 1% pyrite. | 252           | 102.6 107.8 | 0.03      |
|                   |  | 253           | 107.8 110.0 | 0.06      |
|                   |  | 254           | 110.0 112.3 | 0.01      |
|                   |  | 255           | 112.3 115.0 | 0.01      |
|                   |  | 256           | 115.0 117.3 | 0.03      |
|                   |  | 257           | 117.3 120.3 | 0.01      |
| 121.0 147.0       | Almost all basalt tuff, finely laminated at 60° to core axis.  |               |             |           |
| 147.0 152.0       | Buff carbonate.  | 258           | 146.8 150.7 | 0.01      |
| 152.0 156.0       | Grey carbonate, shaly, followed by 6 inches of graphite schist at 156.0.   | 259           | 150.7 154.9 | 0.01      |
|                   |  | 260           | 154.9 157.2 | .002      |
| 156.0 185.0       | Carbonate, buff, well laminated at 55° to core axis. Local short sections of green carbonate.                                  | 261           | 157.2 159.8 | NIL       |
|                   |  | 262           | 172.2 175.9 | 0.01      |

55.0-57.3  
2.3 .13



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-32  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

At 185.0, 6 inches brecciated with hematized fractures.

185.0 227.0 Grey carbonate to buff, well laminated. Contains short sections of cherty carbonate or mudstone with up to 5% fine pyrite.

*196.7-216.9  
 20.2 0.035*

|     |       |       |          |
|-----|-------|-------|----------|
| 263 | 184.7 | 188.0 | 0.05     |
| 264 | 188.0 | 190.3 | 0.01     |
| 265 | 190.3 | 196.7 | 0.02     |
| 266 | 196.7 | 200.7 | 0.04 4.0 |
| 267 | 200.7 | 202.8 | 0.07 2.1 |

At 202.0, 1.0 foot shaly grey carbonate.

|     |       |       |           |
|-----|-------|-------|-----------|
| 268 | 202.8 | 208.0 | 0.04 5.2  |
| 840 | 208.0 | 214.3 | 0.002 6.3 |
| 269 | 214.3 | 216.9 | 0.07 2.6  |
| 270 | 216.9 | 219.3 | 0.01      |

Locally weakly syenitized, particularly from 219.0 to 227.0, with less than 3% pyrite and 1% chalcopyrite.

|     |       |       |     |
|-----|-------|-------|-----|
| 841 | 219.3 | 222.5 | NIL |
| 842 | 222.5 | 227.0 | NIL |

227.0 247.0 Carbonate, buff changing to grey-green to green to almost brilliant green at 240.0.

|     |       |       |       |
|-----|-------|-------|-------|
| 862 | 227.0 | 231.1 | 0.002 |
|-----|-------|-------|-------|

247.0 265.0 Tuffaceous grey carbonate, laminated at 60° to core axis.

265.0 270.5 Ultramafic grey carbonate, laminated to weakly brecciated, 60° to core axis.

270.5 276.5 Grey-green carbonate, laminated 60° to core axis, 10% white quartz with 1-2% pyrite.

|     |       |       |       |
|-----|-------|-------|-------|
| 271 | 270.0 | 274.0 | 0.005 |
|-----|-------|-------|-------|

276.5 278.0 Shaly grey carbonate, 60° to core axis.

|     |       |       |     |
|-----|-------|-------|-----|
| 272 | 277.8 | 281.0 | NIL |
|-----|-------|-------|-----|

278.0 289.0 Buff green carbonate, laminated to weakly brecciated, 60° to core axis.

289.0 307.0 Ultramafic carbonate grading into ultramafic.

294.0-297.0, several rusty fractures, brecciated with folding along core at 304.0, weakly hematized fracture.  
 307.0, brecciated, rusty fracture.

307.0 337.0 Ultramafic, 20-30% white carbonate, weakly brecciated.

337.0 End of hole.

AVERAGES:

196.7 to 216.9, 20.2 feet of 0.035

DIAMOND DRILL LOG

|   |   |               |
|---|---|---------------|
| Company: Lenora Exploration Limited               | Date Started:                                 | Hole No.83-33 |
| Location: Omega Group                             | Date Finished:                                | Page No. 1    |
| Level: Surface                                    | Logged by: Guy Hinse                          | Signed: _____ |
| Bearing: 318°                                     | Core Saved or Discarded: Stored at Omega Mine | Core Size: BQ |
| Inclination: -45°                                 | Casing Pulled: (X) or Left: ( )               | Acid Tests:   |
| Total Depth: 501.0 feet                           | Project: 1022                                 | At: 501' -33° |
| Location of Collar: 1205E, 965N                   |   | At:           |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |   |               |

| Footage From - To | Geological & Physical Description   | Sample Number | From - To   | Au oz/ton   |
|-------------------|---|---------------|-------------|-------------|
| 0.0 16.0          | Casing  |               |             |             |
| 16.0 26.5         | Carbonated ultramafice, 10-20% quartz locally, brecciated.                                  | 273           | 21.3 26.5   | NIL ✓       |
| 26.5 66.0         | Buff-grey carbonate, less than 10% quartz   |               |             |             |
| 66.0 87.0         | Med. grey mudstone, highly cherty locally to rich in sericite. Containing up to 10% pyrite. |               |             |             |
|                   | 77.0 highly cherty black mudstone, up to 3-5% pyrite, brecciated.                           |               |             |             |
|                   |   | 274           | 65.8 68.1   | 0.005 ✓     |
|                   |   | 275           | 70.5 72.0   | NIL ✓       |
|                   |   | 276           | 74.0 76.5   | 0.002 ✓     |
|                   |   | 277           | 76.5 82.0   | 0.002 ✓     |
|                   |   | 278           | 82.0 85.0   | 0.02 ✓      |
|                   |   | 279           | 85.0 87.4   | 0.002 ✓     |
| 87.0 93.0         | Buff carbonate.   |               |             |             |
| 93.0 97.0         | Highly cherty black mudstone, less than 1% pyrite.  |               |             |             |
|                   |   | 280           | 93.8 98.1   | 0.002 ✓     |
| 97.0 140.0        | Grey buff carbonate, brecciated.  |               |             |             |
|                   |   | 281           | 139.8 142.7 | 0.01 ✓      |
| 140.0 145.0       | Graphitic shale.  |               |             |             |
|                   |   | 282           | 142.7 145.2 | 0.005 ✓     |
| 145.0 192.0       | Highly cherty mudstone, grey, up to 10% pyrite.   |               |             |             |
|                   |   | 283           | 145.2 148.0 | 0.005 ✓     |
|                   |   | 284           | 148.0 150.3 | 0.005 ✓     |
|                   |   | 285           | 153.0 156.2 | 0.01 ✓      |
|                   |   | 744           | 156.2 167.0 | 0.002 ✓     |
|                   | 167.0 highly cherty with short syenitized sections, up to 20% pyrite, disseminated.         |               |             |             |
|                   |   | 286           | 167.0 171.0 | 0.03 ✓      |
|                   |   | 287           | 171.0 173.0 | 0.245 } 2.0 |
|                   |   | 288           | 173.0 177.9 | 0.12 } 4.9  |

171.0 - 177.9  
6.9 .156

DIAMOND DRILL LOG

Company: Lenora Explorations Limited  
Project: McVittie Township

Project No: 1022

Hole No.83-33  
Page No.2

| Footage From - To          | Geological & Physical Description  | Sample Number | From - To     | Au oz/ton   |
|----------------------------|--|---------------|---------------|-------------|
|                            |  | 391           | 177.9 - 180.1 | 0.005-      |
|                            |  | 289           | 180.1 - 182.9 | 0.002-      |
|                            |  | 290           | 182.9 - 184.7 | 0.075 1.8   |
|                            |  | 291           | 184.7 - 186.5 | 0.02 1.8    |
|                            |  | 292           | 186.5 - 188.9 | 0.04 2.4    |
|                            |  | 293           | 188.9 - 191.5 | 0.01-       |
| 182.9-188.9<br>6.0 .045    |  |               |               |             |
| 192.0 195.0                | Buff-grey carbonate, shaly.  |               |               |             |
| 195.0 227.0                | Mudstone, grey-pink, syenitized almost throughout. Contains less than 1-2% pyrite.                                     |               |               |             |
|                            |  | 732           | 191.5 - 195.0 | 0.01 -      |
|                            |  | 733           | 195.0 - 198.0 | 0.005-      |
|                            |  | 734           | 198.0 - 201.0 | 0.002-      |
|                            |  | 735           | 201.0 - 204.0 | NIL-        |
|                            |  | 736           | 204.0 - 206.8 | NIL-        |
| 740                        | 215.8 218.8 NIL  | 737           | 206.8 - 209.8 | 0.01-       |
| 1                          | 218.8 221.8 NIL  | 738           | 209.8 - 212.8 | 0.002-      |
| 2                          | 221.8 224.8 NIL  | 739           | 212.8 - 215.8 | 0.025-      |
| 3                          | 224.8 226.8 NIL  |               |               |             |
| 227.0 251.0                | Highly cherty mudstone, 5-10% pyrite.  |               |               |             |
|                            |  | 294           | 230.7 - 233.4 | 0.03-       |
|                            |  | 295           | 233.4 - 237.1 | 0.01-       |
|                            |  | 296           | 237.1 - 239.2 | 0.05-       |
|                            | 239.0 - 242.0 dirty, tuffaceous.   |               |               |             |
|                            |  | 297           | 239.2 - 242.2 | 0.002-      |
|                            |  | 298           | 242.2 - 245.3 | 0.222 - 3.1 |
|                            |  | 299           | 245.3 - 248.0 | 0.02 - 2.7  |
|                            |  | 309           | 248.0 - 251.5 | 0.13 - 3.5  |
| 242.2-251.5<br>9.3' .129   |  |               |               |             |
| 251.0 272.0                | Buff carbonate, less than 10% quartz, laminated to brecciated.   |               |               |             |
|                            |  | 745           | 251.5 - 254.5 | 0.002-      |
|                            |  | 746           | 254.5 - 259.5 | 0.002-      |
|                            |  | 747           | 259.5 - 262.5 | NIL-        |
|                            |  | 748           | 262.5 - 264.9 | NIL-        |
|                            |  | 310           | 264.9 - 270.5 | NIL-        |
| 272.0 296.0                | Cherty mudstone grading into tuffaceous mudstone at 274.0.   |               |               |             |
|                            |  | 749           | 270.5 - 272.2 | NIL-        |
|                            |  | 311           | 272.2 - 274.8 | 0.25 2.6'   |
|                            |  | 312           | 274.8 - 277.1 | .002 1.4'   |
|                            |  | 750           | 277.1 - 282.0 | NIL-        |
|                            |  | 751           | 282.0 - 287.0 | NIL-        |
|                            |  | 752           | 287.0 - 292.0 | NIL-        |
|                            |  | 753           | 292.0 - 296.8 | NIL-        |
| 272.2-274.8<br>0.25   2.6' |  |               |               |             |
| 296.0 330.0                | Grey carbonate, somewhat homogeneous. Changing into a buff carbonate at 312.0. Up to 10% quartz with black tourmaline. |               |               |             |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-33  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description                                      | Sample<br>Number | From - To     | Au<br>oz/ton |
|----------------------|--|------------------|---------------|--------------|
|                      |  | 313              | 296.8 - 300.3 | 0.005        |
|                      |  | 314              | 304.0 - 308.1 | 0.005        |
|                      |  | 315              | 308.1 - 310.5 | NIL          |
|                      |  | 316              | 313.9 - 316.5 | NIL          |
|                      |  | 317              | 316.5 - 318.9 | 0.155        |
|                      |  | 318              | 318.9 - 321.5 | 0.02         |
|                      |  | 319              | 321.5 - 325.0 | NIL          |
|                      |  | 320              | 327.5 - 330.9 | 0.03         |
| 330.0 - 346.0        | Green carbonate, dull green.<br>1.0' of green mica sandstone at 330.0? | 321              | 330.9 - 333.8 | .005         |
|                      |  | 322              | 333.8 - 337.0 | .002         |
| 346.0 - 500.0        | Carbonated ultramafic.   |                  |               |              |
| 500.0                | End of hole.   |                  |               |              |

*316.5 - 318.9  
 2.4  
 .155*

*2.4  
 1.6  
 ---  
 4.0*

AVERAGES:

- 171.0 to 177.9, 6.9 feet of 0.156
- 182.9 to 188.9, 6.0 feet of 0.045
- 242.2 to 251.5, 9.3 feet of 0.129

DIAMOND DRILL LOG

|   |   |                |
|---|---|----------------|
| Company: Lenora Exploration Limited               | Date Started:                                 | Hole No. 83-34 |
| Location: Omega Group                             | Date Finished:                                | Page No. 1     |
| Level: Surface                                    | Logged by: Guy Hinse                          | Signed: _____  |
| Bearing: 345°                                     | Core Saved or Discarded: Stored at Omega Mine | Core Size: BQ  |
| Inclination: -45°                                 | Casing Pulled: (X) or Left: ( )               | Acid Tests:    |
| Total Depth: 317.0'                               | Project: 1022                                 | At: 317' -44°  |
| Location of Collar: 1000E, 929N                   |   | At:            |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |   |                |

| Footage From - To | Geological & Physical Description  | Sample Number | From - To   | Au oz/ton  |
|-------------------|--|---------------|-------------|------------|
| 0.0 14.0          | Casing   |               |             |            |
| 14.0 19.5         | Ultramafic.  |               |             |            |
| 19.5 44.0         | Grey carbonate, muddy, with short sections of grey and buff carbonate.   | 832           | 39.8 45.0   | 0.03 - 5.2 |
| 44.0 51.0         | Cherty and brecciated grey carbonate with little pyrite. 50.0-51.0, highly cherty, with rusty fracture parallel to core axis.  | 833           | 45.0 49.0   | 0.10 - 4.0 |
|                   |  | 390           | 49.0 51.5   | 0.04 - 2.5 |
| 51.0 71.0         | Highly cherty mudstone or homogeneous grey carbonate. Up to 10% diss'd pyrite. Locally highly brecciated and muddy such as 66.0 to 68.0 and 70.0. Looks like a recrystallized graphitic shale or mudstone. | 834           | 51.5 54.0   | 0.04 - 2.5 |
|                   |  | 835           | 54.0 57.9   | 0.02 -     |
|                   |  | 836           | 57.9 61.3   | 0.005 -    |
|                   |  | 837           | 61.3 63.4   | 0.01 -     |
|                   |  | 838           | 63.4 67.9   | NIL -      |
|                   |  | 839           | 67.9 71.1   | NIL -      |
| 71.0 115.0        | Carbonate, buff, well laminated at 60° to core axis. Up to 10% white quartz. At 105.0 grades into a muddy grey carbonate.  |               |             |            |
| 115.0 138.5       | Cherty mudstone with section of homogeneous grey mudstone.   | 392           | 115.0 117.8 | 0.002 -    |
|                   |  | 393           | 129.1 131.5 | 0.002 -    |
|                   | 132.0, broken up, brecciated, slightly rusty.  | 394           | 135.5 138.2 | 0.005 -    |
| 138.5 176.0       | Tuffaceous carbonate, grey-green. 172.0 8" highly broken up, all in small pieces of ¼" or less, rusty fractures at 30° to core axis.   | 391           | 177.9 180.1 | .002 -     |
| 176.0 192.0       | Carbonate, grey, brecciated to weakly laminated at 45° to core axis.   |               |             |            |
| 192.0 249.0       | Graphitic shale, locally cherty, heavily brecciated, little or no pyrite.  |               |             |            |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-34  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 395              | 192.0 195.5 | NIL /        |
|                      |  | 396              | 195.5 199.0 | 0.002 /      |
| 196.0,               | 6" calcite with hematized fracture.  |                  |             |              |
|                      |  | 397              | 202.0 205.0 | 0.002 /      |
|                      |  | 398              | 205.0 208.0 | 0.002 /      |
|                      |  | 399              | 208.0 212.0 | NIL /        |
|                      |  | 400              | 212.0 216.0 | NIL /        |
|                      |  | 401              | 216.0 221.5 | NIL /        |
|                      |  | 402              | 221.5 223.0 | 0.03 /       |
|                      |  | 403              | 223.0 225.5 | 0.02 /       |
|                      |  | 404              | 225.5 228.0 | 0.005 /      |
|                      |  | 793              | 229.1 231.3 | 0.002 /      |
|                      |  | 794              | 231.3 233.5 | 0.002 /      |
|                      |  | 795              | 233.5 238.0 | 0.002 /      |
|                      |  | 796              | 238.0 241.3 | 0.005 /      |
| 239.0,               | grading into a highly cherty mudstone, 10% pyrite.   |                  |             |              |
|                      |  | 405              | 241.3 245.0 | 0.11         |
|                      |  | 406              | 245.0 247.5 | 0.09         |
|                      |  | 407              | 247.5 249.5 | 0.603        |
|                      | Brecciated and hematized fractures at 207.0, 212.0, 213.0, 220.0, 225.0, 237.0, 243.0.                 |                  |             |              |
| 249.0                | 317.0 Carbonate, homogeneous grey, laminated locally at 60° to 90° to core axis. Few specks of pyrite. |                  |             |              |
|                      | Contains some narrow sections of tuffaceous material (inches)  |                  |             |              |
|                      |  | 408              | 249.5 252.5 | 0.12         |
|                      |  | 797              | 252.5 256.3 | 0.01 /       |
|                      |  | 798              | 256.3 259.3 | 0.005 /      |
|                      |  | 799              | 259.3 262.3 | 0.002 /      |
|                      |  | 800              | 262.3 267.2 | NIL /        |
|                      |  | 440              | 305.9 309.8 | 0.002 /      |
|                      |  | 441              | 309.8 313.3 | NIL /        |
|                      |  | 442              | 313.3 317.0 | 0.002 /      |
| 317.0                | End of hole.   |                  |             |              |
|                      | AVERAGES:  |                  |             |              |

241.3-252.5

11.2, 196

3.7  
2.5  
2.0

3.0

DIAMOND DRILL LOG

|   |   |                           |
|---|---|---------------------------|
| Company: Lenora Exploration Limited               | Date Started:                                 | Hole No. 83-35            |
| Location: Omega Group                             | Date Finished:                                | Page No. 1                |
| Level: Surface                                    | Logged by: Guy Hinse                          | Core Size: BQ             |
| Bearing: 013 <sup>o</sup>                         | Core Saved or Discarded: Stored at Omega Mine | Signed: _____             |
| Inclination: -45 <sup>o</sup>                     | Casing Pulled: (X) or Left: ( )               | Acid Tests:               |
| Total Depth: 427.0 feet                           | Project: 1022                                 | At: 427' -38 <sup>o</sup> |
| Location of Collar: 1285E, 898N                   |   | At:                       |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |   |                           |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 36.0             | Casing  |                  |             |              |
| 36.0 54.5            | Graphitic shale and cherty mudstone. Highly brecciated for first 3.0 feet.  | 409              | 42.0 46.0   | NIL ✓        |
|                      |   | 410              | 46.0 49.2   | 0.02 ✓       |
|                      |   | 411              | 49.2 53.0   | 0.002 ✓      |
| 54.5 116.5           | Shaly grey carbonate, tuffaceous, contorted, minor folds. Contains some short sections of mineralized cherty mudstone. Schistosity more or less parallel to core. | 412              | 63.0 67.0   | 0.005 ✓      |
|                      |   | 413              | 80.0 83.1   | 0.005 ✓      |
|                      |   | 414              | 87.0 89.8   | 0.02 ✓       |
|                      |   | 415              | 104.6 106.5 | 0.002 ✓      |
|                      |   | 716              | 111.5 116.0 | 0.002 ✓      |
| 116.5 137.0          | Graphitic shale with short sections of grey muddy carbonate, less than 1% pyrite.   | 717              | 116.0 120.0 | 0.02 ✓       |
|                      |   | 718              | 120.0 123.8 | NIL ✓        |
|                      |   | 719              | 123.8 128.0 | NIL ✓        |
|                      |   | 720              | 133.0 136.5 | 0.002 ✓      |
| 137.0 148.0          | Grey buff carbonate with up to 10-15% white quartz and 1-2% pyrite.   | 721              | 136.5 139.0 | 0.002 ✓      |
|                      |   | 722              | 139.0 142.5 | 0.002 ✓      |
|                      |   | 723              | 142.5 145.5 | 0.005 ✓      |
|                      |   | 724              | 145.5 148.9 | 0.02 ✓       |
| 148.0 152.0          | Graphitic shale.  | 725              | 148.9 151.8 | 0.01 ✓       |
| 152.0 165.5          | Grey carbonate with 6" of shale at 154.0, buff.   | 726              | 154.0 156.1 | 0.02 ✓       |
|                      |   | 727              | 157.0 162.3 | 0.005 ✓      |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-35  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 728              | 163.0 166.3 | 0.005 -      |
| 166.5 181.5          | Pyritized mudstone and graphitic shale locally highly cherty.<br>172.0-179.0 massive homogeneous grey carbonate.   | 729              | 168.6 171.2 | 0.005 -      |
|                      |  | 730              | 179.1 181.5 | NIL -        |
| 181.5 228.0          | Grey-buff ultramafic carbonate.  |                  |             |              |
| 228.0 241.0          | Ultramafic, 20-30% white carbonate, laminated 60° to core axis.  |                  |             |              |
| 241.0 281.0          | Carbonate, predominantly buff to dull green and grey locally.<br>Up to 10-20% white quartz over short sections with pyrite.  | 843              | 242.8 246.1 | 0.02 -       |
| 281.0 340.0          | Buff-grey ultramafic carbonate, well laminated at 60° to core axis.  |                  |             |              |
| 340.0 345.0          | Shaly homogeneous grey carbonate, cherty.<br>344.0-345.0, broken up, several rusty fractures.  |                  |             |              |
| 345.0 401.0          | Grey carbonate, highly brecciated, cherty, up to 10-20% white quartz with disseminated pyrite locally.<br>First five feet, several rusty fractures.<br>370.0, mica changes from muscovite to sericite.<br>389.0-390.0, homogeneous grey carbonate, cherty, barren. | 844              | 349.7 355.0 | 0.002 -      |
|                      |  | 845              | 355.0 360.0 | 0.002 -      |
|                      |  | 846              | 360.0 365.0 | NIL -        |
|                      |  | 847              | 367.6 370.0 | 0.002 -      |
|                      |  | 848              | 370.0 375.0 | NIL -        |
|                      |  | 849              | 375.0 380.0 | NIL -        |
|                      |  | 850              | 380.0 382.8 | NIL -        |
|                      |  | 851              | 388.0 393.2 | 0.002 -      |
| 401.0 427.0          | Grey carbonate, weakly brecciated to laminated, 60° to core axis.<br>At 422.0, grading into a homogeneous, massive, grey carbonate.  |                  |             |              |
| 427.0                | End of hole.   |                  |             |              |
|                      | NO AVERAGE CALCULATED.   |                  |             |              |



DIAMOND DRILL LOG

|   |   |                   |
|---|---|-------------------|
| Company: Lenora Exploration Limited               | Date Started:                                 | Hole No. OM 83-36 |
| Location: Omega Group                             | Date Finished:                                | Page No. 1        |
| Level: Surface                                    | Logged by: Guy Hinse                          | Core Size: BQ     |
| Bearing: 142°                                     | Signed: _____                                 |                   |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine |                   |
| Total Depth: 301.0 feet                           | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Location of Collar: 055W, 1443N                   | Project: 1022                                 | At: 301' -43°     |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |   | At:               |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 44.0             | Casing   |                  |             |              |
| 44.0 60.0            | Dirty grey-buff carbonate, well laminated at 35° to core axis.   | 328              | 45.0 49.0   | NIL ✓        |
| 60.0 83.0            | Mostly ultramafic with minor basaltic material, minor carbonate, well lineated at 35° to core axis.  | 329              | 73.0 78.0   | NIL ✓        |
| 83.0 106.0           | Grey buff carbonate.   | 330              | 99.0 103.0  | 0.002 ✓      |
| 106.0 108.0          | Green carbonate, dull.   | 331              | 103.0 109.0 | NIL ✓        |
| 108.0 121.0          | Grey carbonate, well laminated locally, 45° to core axis, little or no secondary quartz, purple type.  | 332              | 109.0 113.6 | NIL ✓        |
|                      |  | 333              | 113.6 118.0 | 0.005 ✓      |
|                      |  | 334              | 118.0 121.0 | 0.002 ✓      |
| 121.0 140.0          | Highly brecciated mudstone with up to 70% white quartz matrix. Mudstone fragments contain up to 10% pyrite.  | 335              | 121.0 124.0 | 0.002 ✓      |
|                      |  | 336              | 124.0 127.0 | 0.02 ✓       |
|                      |  | 337              | 127.0 130.0 | 0.01 ✓       |
|                      |  | 338              | 130.0 133.0 | 0.08 - 3.0 ✓ |
|                      |  | 339              | 133.0 136.0 | 0.03 - 3.0 ✓ |
|                      |  | 340              | 136.0 140.0 | 0.08 - 4.0 ✓ |
| 140.0 184.0          | Mudstone, basaltic. Could be a mildly recrystallized sandstone. Contains pin-heads of quartz and short sections of syenitization with quartz and pyrite. | 341              | 140.0 143.0 | 0.002 ✓      |
|                      |  | 342              | 143.0 146.0 | 0.002 ✓      |
|                      |  | 343              | 146.0 150.0 | NIL ✓        |
|                      |  | 344              | 150.0 153.0 | NIL ✓        |
|                      |  | 345              | 153.0 156.0 | 0.002 ✓      |
|                      |  | 346              | 156.0 159.0 | 0.002 ✓      |
|                      |  | 347              | 159.0 162.0 | NIL ✓        |
|                      |  | 348              | 162.0 165.0 | NIL ✓        |
|                      |  | 349              | 165.0 170.0 | NIL ✓        |
|                      |  | 350              | 170.0 175.0 | NIL ✓        |

130.0 - 140.0  
10.0  
0.065

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No:1022

Hole No.OM 83-36  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
|                      |   | 351              | 175.0 180.0 | NIL ✓        |
|                      |   | 352              | 180.0 184.5 | NIL ✓        |
| 184.0 205.0          | Mixture of grey carbonate and hematite-rich mudstone sections containing up to 25% pyrite, well laminated 30° to core axis. | 353              | 184.5 188.7 | NIL ✓        |
|                      |   | 354              | 188.7 192.0 | NIL ✓        |
|                      |   | 355              | 192.0 195.0 | 0.002 ✓      |
|                      |   | 356              | 195.0 198.0 | 0.005 ✓      |
|                      |   | 357              | 198.0 201.0 | 0.002 ✓      |
|                      |   | 358              | 201.0 204.0 | 0.002 ✓      |
| 205.0 214.0          | Sericite shale, up to 35% pyrite, in clusters, 35° to core axis, locally pink.  | 359              | 204.0 207.0 | NIL ✓        |
|                      |   | 360              | 207.0 210.3 | NIL ✓        |
|                      |   | 362              | 210.3 213.3 | 0.005 ✓      |
| 214.0 258.0          | Graphitic shale, 0 - 30° to core axis.  |                  |             |              |
|                      | 251.0 258.0, 80% white quartz breccia with shale fragments.   | 363              | 213.3 216.1 | NIL ✓        |
|                      |   | 364              | 216.1 218.5 | 0.005 ✓      |
|                      |   | 365              | 218.5 222.5 | 0.002 ✓      |
|                      |   | 366              | 222.5 227.0 | NIL ✓        |
|                      |   | 367              | 227.0 231.0 | 0.005 ✓      |
|                      |   | 368              | 231.0 235.0 | 0.002 ✓      |
|                      |   | 369              | 235.0 239.0 | 0.002 ✓      |
|                      |   | 370              | 239.0 243.0 | 0.002 ✓      |
|                      |   | 371              | 243.0 247.0 | NIL ✓        |
|                      |   | 372              | 247.0 253.0 | 0.002 ✓      |
|                      |   | 373              | 253.0 256.0 | 0.005 ✓      |
| 258.0 281.0          | Grey carbonate with sections of syenitized and pyritized material. Heavy graphite on slips.                                 | 374              | 256.0 259.0 | 0.02 ✓       |
|                      |   | 375              | 259.0 262.0 | 0.01 ✓       |
|                      |   | 376              | 262.0 265.0 | 0.005 ✓      |
|                      |   | 377              | 265.0 266.8 | 0.005 ✓      |
|                      |   | 378              |             |              |
|                      |   | 379              | 266.8 270.5 | 0.01 ✓       |
|                      |   | 380              | 270.5 274.0 | 0.02 ✓       |
|                      |   | 381              | 274.0 277.0 | 0.005 ✓      |
|                      |   | 382              | 277.0 280.0 | 0.005 ✓      |
| 281.0 297.0          | Cherty mudstone, up to 10% coarse and fine pyrite. Locally well   |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-36  
Page No. 3

| Footage<br>From - To | Geological & Physical Description          | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      | brecciated.                                |                  |             |              |
|                      |  | 383              | 280.0 283.0 | 0.02-        |
|                      |  | 384              | 283.0 286.0 | 0.07-3.0     |
|                      |  | 385              | 286.0 289.0 | 0.02-3.0     |
|                      |  | 386              | 289.0 292.0 | 0.03-3.0     |
|                      |  | 387              | 292.0 295.0 | 0.09-3.0     |
|                      |  | 388              | 295.0 299.0 | 0.01-        |
| 297.0 301.0          | Graphitic shale, somewhat cherty at first. | 389              | 299.0 301.0 | 0.02-        |
| 301.0                | End of hole.                               |                  |             |              |

283.0 - 295.0  
12.0' .0525

DIAMOND DRILL LOG

|   |   |               |
|---|---|---------------|
| Company: Lenora Exploration Limited               | Hole No. OM 83-37                             |               |
| Location: Omega Group                             | Date Started:                                 | Page No. 1    |
| Level: Surface                                    | Date Finished:                                | Core Size: BQ |
| Bearing: 142°                                     | Logged by: Guy Hinse                          | Signed: _____ |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine |               |
| Total Depth: 318.0'                               | Casing Pulled: (X) or Left: ( )               | Acid Tests:   |
| Location of Collar: 037E, 1445N                   | Project: 1022                                 | At: 318' -42° |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |   | At:           |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 42.0             | Casing   |                            |              |
| 42.0 47.0            | Ultramafic.  |                            |              |
| 47.0 87.0            | Dirty mudstone, less than 10% quartz, less than 1% pyrite.   |                            |              |
| 87.0 104.0           | Grey mudstone, containing sections of finely laminated grey carbonate, 35° to core axis. Last few feet, syenitized.  |                            |              |
| 104.0 158.0          | Mudstone, dirty, tuffaceous with basaltic material. Contains short sections of cherty, mudstone with up to 10% pyrite. Locally syenitized with up to 10% pyrite. |                            |              |
|                      |  | 760 104.0 109.0            | NIL          |
|                      |  | 761 109.0 114.0            | NIL          |
|                      |  | 762 114.0 118.7            | NIL          |
|                      |  | 763 118.7 121.7            | NIL          |
|                      |  | 764 121.7 124.0            | NIL          |
|                      |  | 765 124.0 127.3            | NIL          |
|                      |  | 766 127.3 130.0            | NIL          |
|                      |  | 767 130.0 132.4            | NIL          |
|                      |  | 768 132.4 135.5            | 0.002        |
|                      |  | 769 135.5 138.5            | NIL          |
|                      |  | 770 138.5 142.5            | NIL          |
|                      |  | 771 142.5 146.5            | 0.002        |
|                      |  | 772 146.5 150.5            | 0.002        |
|                      |  | 773 150.5 154.5            | NIL          |
|                      |  | 774 154.5 158.0            | 0.002        |
| 158.0 165.0          | Cherty mudstone, highly brecciated, grading into syenitized graphitic shale with several sections of up to 25-35% pyrite.  |                            |              |
|                      |  | 775 158.0 162.0            | 0.002        |
|                      |  | 776 162.0 165.4            | 0.03         |
| 165.0 261.0          | Graphitic shale, 30-35° to core axis.  |                            |              |
|                      |  | 777 165.4 169.5            | 0.002        |
|                      |  | 778 169.5 175.0            | NIL          |
|                      |  | 779 175.0 178.0            | 0.002        |
|                      |  | 780 178.0 181.5            | NIL          |
|                      |  | 781 181.5 183.8            | 0.002        |
|                      |  | 782 183.8 189.0            | 0.002        |
|                      |  | 783 189.0 193.0            | NIL          |
|                      |  | 784 194.5 199.9            | NIL          |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-37  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description                            | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 785              | 206.7 211.5 | 0.002-       |
|                      |  | 786              | 211.5 217.0 | NIL-         |
|                      |  | 787              | 217.0 221.7 | 0.002-       |
|                      |  | 788              | 221.7 226.7 | NIL-         |
|                      |  | 789              | 229.8 234.2 | 0.04-        |
|                      |  | 790              | 234.2 239.2 | 0.01-        |
|                      |  | 791              | 239.2 243.0 | 0.06-        |
|                      |  | 792              | 243.0 248.2 | 0.02-        |
| 261.0 297.0          | Grading into moderately-cherty mudstone, 1 to 5% pyrite.     |                  |             |              |
|                      |  | 805              | 267.3 271.7 | 0.01-        |
|                      |  | 806              | 271.7 276.0 | 0.02-        |
|                      |  | 807              | 276.0 280.0 | 0.01-        |
|                      |  | 808              | 280.0 284.0 | 0.02-        |
|                      |  | 809              | 284.0 287.4 | 0.02-        |
|                      |  | 810              | 287.4 291.5 | 0.05- 4.17   |
|                      |  | 811              | 291.5 297.0 | 0.04- 5.5    |
| 297.0 312.0          | Graphitic shale.   |                  |             |              |
|                      |  | 812              | 297.0 302.0 | 0.002-       |
|                      |  | 813              | 302.0 312.7 | 0.002-       |
| 312.0 318.0          | Cherty mudstone, weakly syenitized locally, up to 5% pyrite. |                  |             |              |
|                      |  | 814              | 312.7 318.0 | 0.06-        |
| 318.0                | End of hole  |                  |             |              |

*287.4 - 297.0*  
*9.6'*  
*.04427*

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited                   | Hole No. OM 83-38                             |
| Location: Omega Group                                 | Date Started: _____                           |
| Level: Surface  | Date Finished: _____                          |
| Bearing: 142°   | Logged by: Guy Hinse                          |
| Inclination: -45°                                     | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 234.0'                                   | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 129W, 1426N                       | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario. | At: 234' -39°                                 |
|   | At: _____                                     |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 22.0             | Casing  |                  |             |              |
| 22.0 43.0            | Dull green ultramafic.  |                  |             |              |
| 43.0 64.5            | Ultramafic, tuffaceous, 40-45° to core axis.  |                  |             |              |
| 64.5 75.0            | Moderately chert, mudstone, 1-2% pyrite.  |                  |             |              |
| 75.0 112.0           | Basalt, tuffaceous, 40° to core axis.   |                  |             |              |
| 112.0 135.0          | Ultramafic, texture close to grey or green carbonate.   |                  |             |              |
| 135.0 139.0          | Sandstone.  |                  |             |              |
| 139.0 164.0          | Grey carbonate, delicately laminated, could be a mudstone, 40° to core axis, contains short sections of up to 10% pyrite over inches. | 823              | 141.0 149.2 | 0.01-        |
| 164.0 190.0          | Mudstone, dirty.  | 824              | 166.0 171.8 | 0.002-       |
| 190.0 200.0          | Grading into a well laminated grey carbonate, 40° to core axis.   | 443              | 179.8 181.9 | NIL-         |
|                      |   | 444              | 181.9 186.1 | NIL-         |
|                      |   | 445              | 186.1 191.2 | 0.05-        |
|                      |   | 446              | 191.2 192.2 | 0.39-        |
|                      |   | 447              | 192.2 195.8 | 0.002-       |
|                      |   | 825              | 189.1 193.5 | NIL          |
|                      |   | 826              | 197.8 202.0 | 0.002-       |
| 200.0 220.0          | Grey carbonated intermixed with graphitic shale. Locally syenitized.  | 827              | 202.0 207.0 | NIL          |
|                      |   | 828              | 210.2 215.0 | NIL          |
|                      |   | 829              | 215.0 219.6 | 0.005-       |
|                      |   | 830              | 219.6 222.0 | NIL          |
|                      |   | 831              | 222.0 225.4 | 0.63-        |

*186.1-192.2  
6.1' .10523*

*75'  
10*

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No. 1022

Hole No. OM 83-38  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description          | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 220.0 237.0          | Graphitic shale, 40° to core axis.         | 548              | 225.4 237.0 | NIL —        |
| 237.0                | End of hole. Broke into underground drift. |                  |             |              |

DIAMOND DRILL LOG

|  |                                 |                      |
|--|---------------------------------|----------------------|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-39               |                      |
| Location: Omega Group                                | Date Started:                   | Page No. 1           |
| Level: Surface                                       | Date Finished:                  | Core Size: BQ        |
| Bearing: 142°  | Logged by: Guy Hinse            | Signed: _____        |
| Inclination: -45°                                    | Core Saved or Discarded:        | Stored at Omega Mine |
| Total Depth: 185.0 feet                              | Casing Pulled: (X) or Left: ( ) | Acid Tests:          |
| Location of Collar: 137E, 1454N                      | Project: 1022                   | At: 177' -38         |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |                                 | At:                  |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 34.0             | Casing  |                  |             |              |
| 34.0 49.0            | Ultramafic.   |                  |             |              |
| 49.0 90.0            | Carbonate, grey-buff at first, changing to grey at 59.0, well laminated at 40° to core axis.                                    | 448              | 78.0 80.0   | 0.002-       |
|                      |   | 449              | 80.0 85.0   | 0.002-       |
|                      |   | 450              | 85.0 90.0   | NIL-         |
| 90.0 150.0           | Red ore zone, hematized, cherty with up to 3-10% pyrite, massive. At 137.5, red hematite disappears gradually, still pyritized. | 451              | 90.0 95.0   | 0.005-       |
|                      |   | 452              | 95.0 100.0  | 0.07-        |
|                      |   | 453              | 100.0 105.0 | 0.002-       |
|                      |   | 454              | 105.0 110.0 | 0.002-       |
|                      |   | 455              | 110.0 115.0 | 0.005-       |
|                      |   | 456              | 115.0 120.0 | 0.005-       |
|                      |   | 457              | 120.0 125.0 | 0.09         |
|                      |   | 458              | 125.0 129.7 | 0.16         |
|                      |   | 459              | 129.7 133.0 | 0.13         |
|                      |   | 460              | 133.0 137.1 | 0.11         |
|                      |   | 461              | 137.1 142.0 | 0.02-        |
|                      |   | 462              | 142.0 146.0 | 0.04-        |
|                      |   | 463              | 146.0 150.9 | 0.04-        |
| 150.0 185.0          | Graphite shale, 35° to core axis.   | 464              | 150.9 156.0 | 0.05-        |
|                      |   | 465              | 156.0 162.0 | 0.04-        |
|                      |   | 466              | 176.7 182.7 | 0.02-        |
|                      |   | 467              | 182.7 185.0 | 0.005-       |
| 185.0                | End of hole.  |                  |             |              |

*120.0 - 137.1*  
*17.1 - 1217*

*5.0*  
*47*  
*3.3*  
*41*



DIAMOND DRILL LOG

|   |   |               |
|---|---|---------------|
| Company: Lenora Exploration Limited               | Hole No. OM 83-40                             |               |
| Location: Omega Group                             | Date Started:                                 | Page No. 1    |
| Level: Surface                                    | Date Finished:                                | Core Size: BQ |
| Bearing: 142°                                     | Logged by: Guy Hinse                          | Signed: _____ |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine |               |
| Total Depth: 217.0 feet                           | Casing Pulled: (X) or Left: ( )               | Acid Tests:   |
| Location of Collar: 250E, 1480N                   | Project: 1022                                 | At: 217' -39° |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |   | At:           |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 37.0             | Casing  |                  |             |              |
| 37.0 115.0           | Carbonate, buff to locally green, to brilliant green with 10-20% white quartz and 1-2% pyrite. Locally laminated at 20-30° to core axis.                            | 418              | 69.4 76.0   | 0.03         |
|                      |   | 419              | 99.9 104.2  | 0.06         |
|                      |   | 420              | 104.2 106.2 | 0.03         |
| 115.0 165.0          | Mudstone, rich locally highly cherty with 10-20% fine pyrite. Several hematite fractures parallel to core.<br>158.0-165.0, 50-70% pyrite in clusters and framboids. | 421              | 115.0 117.0 | 0.02         |
|                      |   | 422              | 117.0 123.0 | 0.04         |
|                      |   | 423              | 123.0 127.8 | 0.03         |
|                      |   | 424              | 127.8 132.0 | 0.29-4.2     |
|                      |   | 425              | 132.0 136.0 | 0.11-4.0     |
|                      |   | 426              | 136.0 140.0 | 0.05-4.0     |
|                      |   | 427              | 140.0 144.0 | 0.06-4.0     |
|                      |   | 428              | 144.0 149.0 | 0.03-5.0     |
|                      |   | 429              | 149.0 154.0 | 0.11-5.0     |
|                      |   | 430              | 154.0 160.6 | 0.01         |
|                      |   | 431              | 160.6 165.5 | NIL          |
| 165.0-217.0          | Graphitic shale, not cherty, less than 1% pyrite, well laminated at 45° to core axis.   | 432              | 165.5 171.0 | NIL          |
|                      |   | 433              | 171.0 176.9 | 0.005        |
|                      |   | 434              | 176.9 181.3 | 0.06         |
|                      |   | 435              | 181.3 185.6 | 0.04         |
|                      |   | 436              | 202.9 207.5 | 0.002        |
|                      |   | 437              | 207.5 217.0 | 0.005        |
| 217.0                | End of hole.  |                  |             |              |

*127.8 - 136.0  
8.2      .202*

*127.8 - 154.0  
26.2      .1067*

DIAMOND DRILL LOG

|   |   |                   |
|---|---|-------------------|
| Company: Lenora Exploration Limited               |   | Hole No. OM 83-41 |
| Location: Omega Group                             | Date Started:                                 | Page No. 1        |
| Level: Surface                                    | Date Finished:                                | Core Size: BQ     |
| Bearing: 329°                                     | Logged by: Guy Hinse                          | Signed: _____     |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine |                   |
| Total Depth: 317.0 feet                           | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Location of Collar: 1318E, 979N                   | Project: 1022                                 | At: 317' 37°      |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |   | At:               |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 19.0             | Casing  |                  |             |              |
| 19.0 27.0            | Dirty tuffaceous material.  |                  |             |              |
| 27.0 38.5            | Graphitic shale with short sections of cherty mudstone with up to 2% pyrite. Last foot, syenitized.   | 852              | 27.0 33.0   | 0.002 ✓      |
|                      |   | 853              | 33.0 38.0   | 0.002 ✓      |
| 38.5 85.0            | Buff carbonate with 20-30% dull grey carbonate changing into dull green carbonate at 53.0.  |                  |             |              |
| 85.0 102.0           | Mudstone with short sections of carbonate. Locally cherty with up to 10% fine pyrite. Sharp lower contact with ½" calcite and graphite, probably a fault?                                   | 854              | 84.5 88.0   | 0.02 ✓       |
|                      |   | 855              | 88.0 91.0   | 0.02 ✓       |
|                      |   | 856              | 91.0 95.2   | 0.02 ✓       |
|                      |   | 857              | 95.2 99.5   | 0.01 ✓       |
|                      |   | 858              | 99.5 102.0  | NIL ✓        |
| 102.0 125.0          | Buff-grey carbonate (ultramafic).   | 859              | 108.3 111.4 | NIL ✓        |
| 125.0 153.0          | Tuffaceous, speckled, 60° to core axis.   |                  |             |              |
| 153.0 257.0          | Grey carbonate to buff changing to buff at 203.0 with short sections of green. Brecciated at first to highly contorted at 163.0 to 167.0 and 181.0-188.0. 223.0-226.5, several rusty slips. | 562              | 222.9 226.5 | 0.01 ✓       |
|                      |   | 563              | 238.0 245.9 | 0.01 ✓       |
| 257.0 317.0          | Ultramafic, well laminated, 60° to core axis. Rusty slips at 257.0, 263.0, 270.0, 280.0, 281.0, 291.0, 293.0.   |                  |             |              |
| 317.0                | End of hole.  |                  |             |              |

DIAMOND DRILL LOG

|   |   |               |
|---|---|---------------|
| Company: Lenora Exploration Limited               | Hole No. OM 83-42                             |               |
| Location: Omega Group                             | Date Started:                                 | Page No. 1    |
| Level: Surface                                    | Date Finished:                                | Core Size: BQ |
| Bearing: 329°                                     | Logged by: Guy Hinse                          | Signed: _____ |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine |               |
| Total Depth: 167.0 feet                           | Casing Pulled: (X) or Left: ( )               | Acid Tests:   |
| Location of Collar: 1180E, 1173N                  | Project: 1022                                 | At: No test   |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |   | At:           |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 35.0             | Casing  |                  |             |              |
| 35.0 37.0            | Conglomerate or breccia, fragments of volcanic material in a grey carbonate matrix.   |                  |             |              |
| 37.0 60.0            | Grey carbonate, homogeneous grey to weakly laminated, 50° to core axis.   |                  |             |              |
| 60.0 101.0           | Mudstone, somewhat cherty, 5-10% grey quartz, speckled, homogeneous to weakly laminated, 60° to core axis, few splashes pyrite. |                  |             |              |
|                      |   | 815              | 67.5 70.5   | 0.002        |
|                      |   | 816              | 80.2 83.0   | 0.005        |
|                      |   | 817              | 97.0 100.3  | NIL          |
| 101.0 128.5          | Cherty mudstone, up to 20% quartz, 5-10% fine pyrite.   |                  |             |              |
|                      |   | 818              | 100.3 103.3 | 0.09-30      |
|                      |   | 819              | 103.3 107.0 | 0.52-37      |
|                      |   | 820              | 107.0 110.8 | 0.005-38     |
|                      |   | 551              | 110.8 117.0 | 0.002-62     |
|                      |   | 552              | 117.0 121.7 | 0.002-47     |
|                      |   | 821              | 121.7 124.3 | 0.002-26     |
|                      |   | 822              | 124.3 128.3 | 0.14-4.0     |
| 128.5 161.5          | Buff carbonate, changing to brilliant green at 132.0 and thence to dull green. 10-30% white quartz.                             |                  |             |              |
|                      | 140.0 several rusty slips.  |                  |             |              |
|                      | 162.0 broken up, highly rusty, possible fault?  |                  |             |              |
|                      |   | 553              | 128.3 131.8 | 0.005        |
|                      |   | 554              | 131.8 137.0 | 0.002        |
|                      |   | 555              | 137.0 142.0 | 0.01         |
| 161.5 167.0          | Carbonate-ultramafic, 10-30% quartz, brecciated.  |                  |             |              |
| 167.0                | End of hole.  |                  |             |              |

*100.3-107.0  
6.7' = 321*

*100.3-128.3  
28.0 0.100*

}  
}

DIAMOND DRILL LOG

|   |   |               |
|---|---|---------------|
| Company: Lenora Exploration Limited                   | Hole No. OM 83-43                             |               |
| Location: Omega Group                                 | Date Started:                                 | Page No. 1    |
| Level: Surface  | Date Finished:                                | Core Size: BQ |
| Bearing: 329°   | Logged by: Guy Hinse                          | Signed: _____ |
| Inclination: -45°                                     | Core Saved or Discarded: Stored at Omega Mine |               |
| Total Depth: 259.0 feet                               | Casing Pulled: (X) or Left: ( )               | Acid Tests:   |
| Location of Collar: 1115E, 1190N                      | Project: 1022                                 | At: 259' -39° |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario. |   | At:           |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 58.0             | Casing   |                            |              |
| 58.0 134.0           | Dark grey mudstone, shale locally such as at 69.0, generally laminated 60-70° to core axis, locally contorted, barren. 58.0-78.0, few rusty slips. | 860 72.0 78.0              | 0.002        |
| 134.0 173.0          | Grey carbonate, massive, barren, less than 10% quartz, purple type.  | 890 162.0 167.0            | NIL          |
| 173.0 176.0          | Sandstone? coarse grained, granular, with lineated 70° to core axis, light grey with green tinge.  |                            |              |
| 176.0 189.0          | Grey carbonate as before, purple type.   |                            |              |
| 189.0 196.0          | Brecciated mudstone, dark to black fragment in a quartz-chert matrix, 1-2% pyrite. 192.0-196.0, porphyritized.                                     | 861 188.7 191.6            | 0.02         |
| 196.0 199.0          | Basalt tuff, gradual upper contact, sharp lower contact at 60° to core axis.   |                            |              |
| 199.0 210.0          | Grey carbonate as before, purple type.   | 863 202.0 207.0            | NIL          |
| 210.0 259.0          | Mudstone, medium to dark grey, massive to weakly brecciated. Basaltic tuff increases gradually to 259.0. Speckled throughout with uncoxene?        | 864 254.0 259.0            | NIL          |
| 259.0                | End of hole.   |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group  
 Level: Surface  
 Bearing: 329°  
 Inclination: -45°  
 Total Depth: 199.0 feet  
 Location of Collar: 1115E, 1060N  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

Date Started:  
 Date Finished:  
 Logged by: Guy Hinse  
 Core Saved or Discarded: Stored at Omega Mine  
 Casing Pulled: (X) or Left: ( )  
 Project: 1022

Hole No. OM 83-44  
 Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests:  
 At: 199' -41°  
 At:

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number   | Au<br>oz/ton  |
|----------------------|---|--|---|
| 0.0 23.0             | Casing  |  |   |
| 23.0 33.5            | Green-buff mica shale fragments in 50% grey carbonate-rich matrix, less than 10% quartz, barren.  | 865 29.9 33.5  | 0.002 /   |
| 33.5 38.5            | Cherty mudstone, slightly reddish, contorted, brecciated, up to 10% fine pyrite with 2-3% arsenopyrite.   | 866 33.5 35.8<br>867 35.8 38.4   | 0.01 /<br>0.04 /  |
| 38.5 52.0            | Dark grey mudstone as above with short sections of buff-dirty carbonate, brecciated, contorted, few specks of pyrite locally.   | 868 38.4 41.8<br>877 45.0 50.2   | 0.002 /<br>0.002 /  |
| 52.0 60.0            | Dirty grey-buff carbonate, lineated locally at 30° to core axis to contorted brecciated.<br>23.0-60.0, several rusty slips and fractures.   |  |   |
| 60.0 97.0            | Mixture of mudstone, cherty mudstone with pyrite, highly brecciated cherty black shale graphitic black shale, locally syenitized.   | 869 60.0 63.5<br>870 63.5 66.7<br>871 66.7 72.0<br>872 72.0 75.0<br>873 75.0 77.3<br>874 77.3 80.3<br>875 82.8 87.0<br>876 91.1 94.0 | 0.005 /<br>0.005 /<br>0.002 /<br>NIL /<br>NIL /<br>0.005 /<br>NIL /<br>0.01 / |
| 97.0 101.0           | Grey-buff dirty carbonate; barren lineated 70° to core axis.  | 878 98.7 101.4   | NIL /   |
| 101.0 199.0          | Mudstone, massive, somewhat laminated 60° to core axis. Locally mineralized with fine pyrite. Best mineralization from 103.5-105.0, 6% pyrite; 120.0-129.0, up to 10% pyrite; 131.0-157.0, up to 5% pyrite. | 879 103.1 106.1  | 0.005 /   |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-44 ✓  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|-----------------------------------|------------------|-------------|--------------|
|                      |                                   | 880              | 120.2 123.2 | 0.08         |
|                      |                                   | 881              | 123.2 126.2 | 0.04         |
|                      |                                   | 882              | 126.2 129.2 | 0.03         |
|                      |                                   | 883              | 129.2 132.0 | 0.01         |
|                      |                                   | 884              | 132.0 135.0 | 0.01         |
|                      |                                   | 885              | 135.0 138.0 | 0.005        |
|                      |                                   | 886              | 138.0 141.0 | 0.02         |
|                      |                                   | 887              | 141.0 144.5 | 0.02         |
|                      |                                   | 888              | 144.5 148.0 | 0.02         |
|                      |                                   | 889              | 148.0 152.8 | NIL          |

120.2-129.2  
 9.0 .05

} 3.0  
 E 3.0  
 } 3.0

155.0-199.0, more or less medium to dark grey mudstone,  
 massive to lineated at 55-60° core axis. Few specks and  
 splashes of pyrite.

199.0 End of hole.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group Date Started: Hole No. OM 83-45  
 Level: Surface Date Finished: Page No. 1  
 Bearing: 329° Logged by: Guy Hinse Signed: \_\_\_\_\_  
 Inclination: -45° Core Saved or Discarded: Stored at Omega Mine  
 Total Depth: 237.0 feet Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: 1000E, 1050N Project: 1022 At: 237' -41° ←  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At: ←

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 46.0             | Casing  |                  |             |              |
| 46.0 47.0            | Buff-grey carbonate, looks ultramafic, lineated 55° to core axis.   |                  |             |              |
| 47.0 63.2            | Mudstone, grey with fine laminations, homogeneous, barren.<br>Contains some darker grey shaly sections.                                       | 891              | 47.0 50.0   | 0.005 ✓      |
|                      |   | 892              | 60.0 63.2   | 0.002 ✓      |
| 63.2 92.0            | Highly cherty mudstone, 1-2% pyrite, 73.0-77.0, brecciated, up to 5% pyrite.  | 893              | 63.2 66.0   | 0.002 ✓      |
|                      |   | 894              | 66.0 69.8   | 0.002 ✓      |
|                      |   | 895              | 69.8 72.0   | 0.002 ✓      |
|                      |   | 896              | 72.0 73.3   | 0.002 ✓      |
|                      |   | 897              | 73.3 76.8   | 0.002 ✓      |
|                      |   | 898              | 76.8 80.0   | NIL ✓        |
|                      |   | 899              | 80.0 83.3   | NIL ✓        |
|                      |   | 900              | 83.3 86.3   | 0.002 ✓      |
|                      |   | 901              | 86.3 89.9   | 0.002 ✓      |
|                      |   | 902              | 89.9 94.6   | 0.005 ✓      |
| 92.0 94.6            | Cherty black shale, 3-4% pyrite, 45° to core axis.  |                  |             |              |
| 94.6 101.0           | Grey carbonate.   | 903              | 94.6 97.8   | NIL ✓        |
|                      |   | 904              | 97.8 101.0  | 0.002 ✓      |
| 101.0 133.0          | Mudstone and grey carbonate, some short sections of darker grey cherty mudstone with up to 10-20% pyrite. <del>No chert zone horizon.</del> ← |                  |             |              |
|                      |   | 905              | 101.0 105.0 | 0.005 ✓      |
|                      |   | 906              | 105.0 107.5 | NIL ✓        |
|                      |   | 907              | 111.3 118.2 | NIL ✓        |
|                      |   | 908              | 120.8 122.8 | NIL ✓        |
| 133.0 146.0          | Highly brecciated mudstone or shale, 50% white quartz, 20-30% black shaly material, 10-20% sericite, 1-2% pyrite.                             |                  |             |              |
|                      |   | 909              | 133.0 136.0 | 0.002 ✓      |
|                      |   | 910              | 136.0 139.3 | 0.002 ✓      |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-45  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton                    |
|----------------------|--|------------------|-------------|---------------------------------|
|                      |  | 911              | 139.3 142.6 | 0.002 ✓                         |
|                      |  | 912              | 142.6 146.0 | 0.002 ✓                         |
| 146.0 152.5          | Graphitic shale, weakly carbonated.  | 913              | 146.0 151.7 | 0.002 ✓                         |
| 152.5 164.0          | Cherty mudstone, 5-25% pyrite, contorted, with schistosity parallel to core axis. 10-20% sericite or buff albite as laminations.   | 914              | 155.5 158.5 | 0.005 ✓                         |
|                      |  | 915              | 158.5 164.0 | 0.04 ✓                          |
| 164.0 171.4          | Grey homogeneous finely laminated mudstone, barren.  | 917              | 164.0 166.0 | 0.002 ✓                         |
| 171.4 181.0          | Graphitic shale, 50-60° to core axis, 1-5% pyrite in clusters.   | 916              | 171.4 175.5 | 0.002 ✓                         |
|                      |  | 918              | 175.5 181.0 | 0.002 ✓                         |
| 181.0 209.0          | Grey carbonate<br>188.5-192.0, graphitic shale.  | 919              | 188.5 194.8 | 0.002 ✓                         |
|                      |  | 920              | 194.8 199.0 | 0.002 ✓                         |
|                      |  | 921              | 199.0 202.0 | 0.002 ✓                         |
|                      |  | 922              | 202.0 207.0 | 0.002 ✓                         |
| 209.0 236.0          | Mixture of grey mudstone, some black shale, brecciated, contorted.   | 923              | 213.8 217.0 | 0.002 ✓                         |
|                      |  | 924              | 217.0 220.0 | NIL ✓                           |
|                      |  | 925              | 220.0 225.0 | 0.002 ✓                         |
|                      |  | 926              | 225.0 230.0 | NIL ✓                           |
|                      |  | 927              | 230.0 234.8 | NIL ✓                           |
| 236.0 237.0          | Cherty mudstone, 1% pyrite.<br>220.0-225.0, some hematization, 3-5% pyrite. Contains also short sections of massive buff material. |                  |             | 0.002 logs<br>NIL in<br>parcels |
| 237.0                | End of hole.   |                  |             |                                 |



DIAMOND DRILL LOG

|  |                                 |                      |
|--|---------------------------------|----------------------|
| Company: Lenora Exploration Limited                      | Hole No. OM 83-46               |                      |
| Location: Omega Group                                    | Date Started:                   | Page No. 1           |
| Level: Surface   | Date Finished:                  | Core Size: BQ        |
| Bearing: -45°  | Logged by: Guy Hinse            | Signed: _____        |
| Inclination: 329°  | Core Saved or Discarded:        | Stored at Omega Mine |
| Total Depth: 427.0 feet                                  | Casing Pulled: (X) or Left: ( ) | Acid Tests:          |
| Location of Collar: 1125E, 748N                          | Project: 1022                   | At: 420' -40°        |
| Drilled by: Heath & Sherwood, Kirkland Lake, <i>Ont.</i> |                                 | At: _____            |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 31.0             | Casing  |                  |             |              |
| 31.0 228.0           | Ultramafic, with short sections looking like conglomerate.<br>197.0 increases in carbonate content.<br>210.0 1.0 quartz, brecciated, possible fault.<br>210.0 looks like a repetition of above.<br>225.0-228.0, rusty, broken up. | 928              | 222.0 224.8 | NIL -        |
|                      |   | 929              | 224.8 228.0 | 0.002 -      |
| 228.0 234.0          | Cherty mudstone, 1-2% pyrite.   | 930              | 228.0 232.2 | 0.002 -      |
| 234.0 244.0          | Highly brecciated, contorted, cherty mudstone, 1-2% pyrite.   | 931              | 232.2 237.0 | 0.002 -      |
|                      |   | 932              | 237.0 240.5 | 0.002 -      |
|                      |   | 933              | 240.5 243.0 | NIL -        |
| 244.0 280.0          | Graphitic shale, somewhat cherty, little mineralization.  | 934              | 243.0 245.3 | NIL -        |
|                      |   | 935              | 245.3 247.4 | NIL -        |
|                      |   | 936              | 247.4 250.9 | 0.002 -      |
| 280.0 316.0          | Buff carbonate, ultramafic. Sharp upper contact, faulted?   | 937              | 294.3 296.4 | NIL -        |
|                      |   | 938              | 309.1 311.7 | 0.002 -      |
|                      |   | 939              | 311.7 315.7 | 0.002 -      |
| 316.0 318.0          | Cherty mudstone, 6-10% disseminated pyrite.   | 940              | 315.7 320.4 | 0.005 -      |
| 318.0 339.0          | Buff grey carbonate with intermixed pyritized mudstone.   | 941              | 320.4 324.0 | 0.01 -       |
|                      |   | 942              | 324.0 327.9 | 0.01 -       |
|                      |   | 943              | 327.9 331.2 | 0.005 -      |
|                      |   | 944              | 331.2 334.9 | 0.02 -       |
|                      |   | 945              | 334.9 339.0 | 0.08 - 4.1   |
| 339.0 349.0          | Buff-green carbonate, locally mineralized.  | 946              | 339.0 342.2 | 0.04 - 3.2   |
|                      |   | 947              | 342.2 346.0 | 0.02 - 3.8   |

334.9-352.4  
17.5  
0.0547

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-46  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description      | Sample<br>Number | From - To     | Au<br>oz/ton |
|----------------------|--|------------------|---------------|--------------|
|                      |  | 948              | 346.0 - 349.0 | 0.04         |
| 349.0 - 408.0        | Cherty grey mudstone with 3-5% pyrite. | 949              | 349.0 - 352.4 | 0.09         |
|                      |  | 950              | 352.4 - 355.0 | 0.005        |
|                      |  | 951              | 367.0 - 371.5 | 0.005        |
|                      |  | 952              | 371.5 - 373.7 | 0.02         |
|                      |  | 953              | 373.7 - 376.0 | NIL          |
| 408.0 - 427.0        | Ultramafic.                            |                  |               |              |
| 427.0                | End of hole.                           |                  |               |              |

3.0  
3.4

DIAMOND DRILL LOG

|   |   |               |
|---|---|---------------|
| Company: Lenora Exploration Limited                   | Hole No. OM 83-47                             |               |
| Location: Omega Group                                 | Date Started:                                 | Page No. 1    |
| Level: Surface  | Date Finished:                                | Core Size: BQ |
| Bearing: 329°   | Logged by: Guy Hinse                          | Signed: _____ |
| Inclination: -45°                                     | Core Saved or Discarded: Stored at Omega Mine |               |
| Total Depth: 710.0 feet                               | Casing Pulled: (X) or Left: ( )               | Acid Tests:   |
| Location of Collar: 1043E, 759N                       | Project: 1022                                 | At: 300' -40° |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario. |   | At: 577' -37° |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 20.0             | Casing  |                  |             |              |
| 20.0 53.0            | Green carbonate (ultramafic).   | 954              | 47.0 52.0   | 0.01 ✓       |
| 52.0 226.0           | Ultramafic, 10-20% white carbonate. 10' mud seam at 56.0, fault.<br>120.0 at 125.0, hematized fractures and 218.0, 223.0, 225.0, 235.0.               | 955              | 223.0 226.0 | 0.005 ✓      |
| 226.0 235.0          | Buff and green carbonate, locally cherty with 1-2% pyrite.  | 956              | 226.0 228.9 | NIL ✓        |
|                      |   | 957              | 228.9 232.1 | NIL ✓        |
| 235.0 273.0          | Buff and grey carbonate, looks ultramafic locally.<br>251.0-273.0, few rusty and hematized fractures, locally buff silicified (introduced material?). | 958              | 250.3 252.8 | 0.002 ✓      |
|                      |   | 959              | 252.8 256.4 | 0.005 ✓      |
|                      |   | 960              | 256.4 261.4 | 0.005 ✓      |
|                      |   | 961              | 261.4 269.0 | 0.005 ✓      |
|                      |   | 962              | 269.0 272.0 | NIL ✓        |
| 273.0 288.0          | Graphitic shale and mudstone.   | 963              | 272.0 274.3 | 0.005 ✓      |
|                      |   | 964              | 274.3 277.0 | 0.002 ✓      |
|                      |   | 965              | 277.0 281.7 | 0.005 ✓      |
|                      |   | 966              | 281.7 286.0 | NIL ✓        |
|                      |   | 967              | 286.0 288.0 | 0.002 ✓      |
| 288.0 312.0          | Tuffaceous, 60-70° to core axis, with minor shaly, black, material.   |                  |             |              |
| 312.0 369.0          | Grey carbonate, ultramafic, 20-30% white carbonate veinlets.  | 968              | 328.2 329.9 | 0.002 ✓      |
|                      |   | 969              | 329.9 334.8 | 0.04 ✓       |
|                      |   | 970              | 334.8 338.0 | 0.12-3.2 } ✓ |
|                      |   | 971              | 338.0 342.8 | 0.03-4.8 } ✓ |
|                      |   | 972              | 342.8 347.6 | 0.40-4.8 } ✓ |
|                      |   | 973              | 347.6 351.6 | 0.17-4.0 } ✓ |
|                      |   | 974              | 351.6 357.0 | 0.04 5.0 } ✓ |
|                      |   | 975              | 357.0 362.0 | NIL 5.0 } ✓  |
|                      |   | 976              | 362.0 367.0 | 0.03 5.0 } ✓ |

334.8 - 351.6  
16.8 - 18.6  
334.8 - 369.0  
34.2 11035

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No:1022

Hole No.OM 83-47  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 369.0 414.0          | Mudstone, cherty, slightly pinkish, syenitized. Few hematized fractures. Up to 5-10% pyrite.   | 977              | 367.0 369.0 | 0.14 2.6     |
|                      |  | 559              | 384.0 389.0 | 0.03-        |
|                      |  | 560              | 389.0 400.0 | NIL-         |
|                      |  | 416              | 400.0 402.0 | 0.01-        |
|                      |  | 417              | 402.0 407.0 | 0.02-        |
|                      |  | 978              | 407.0 409.0 | 0.002-       |
|                      |  | 979              | 409.0 412.0 | 0.04-        |
|                      |  | 980              | 412.0 414.0 | 0.01-        |
| 414.0 456.5          | Grey homogeneous mudstone, locally cherty with up to 3-4% pyrite.  | 981              | 423.2 425.2 | 0.005-       |
|                      |  | 982              | 425.2 428.6 | 0.005-       |
|                      |  | 983              | 428.6 431.4 | 0.005-       |
|                      |  | 984              | 431.4 435.0 | NIL-         |
|                      |  | 985              | 435.0 440.0 | 0.002-       |
|                      |  | 986              | 440.0 443.0 | 0.10-        |
|                      |  | 987              | 443.0 447.2 | 0.07-        |
|                      |  | 988              | 447.2 450.0 | 0.002-       |
| 456.5 490.0          | Dull green carbonate changing into a buff grey ultramafic carbonate at 462.0.  | 989              | 459.0 461.5 | NIL-         |
|                      |  | 990              | 487.0 489.9 | 0.02-        |
| 490.0 519.0          | Zone of cherty carbonate, up to 50% quartz locally with less than 1% pyrite. Buff shaly locally. 502.0-506.0, tuffaceous, speckled.  | 991              | 489.9 494.2 | 0.002-       |
|                      |  | 992              | 494.2 497.0 | 0.11- 2.9    |
|                      |  | 993              | 497.0 499.2 | 0.10- 2.2    |
|                      |  | 994              | 499.2 505.0 | 0.21- 5.8    |
|                      |  | 995              | 505.0 509.0 | 0.002-       |
|                      |  | 996              | 509.0 514.2 | 0.005-       |
|                      |  | 997              | 514.2 519.0 | NIL-         |
| 519.0 555.0          | Green to buff carbonate, less than 10% dull grey carbonate.  | 998              | 519.0 522.0 | 0.005-       |
| 555.0 576.0          | Ultramafic with sections of grey and green carbonate, where laminated, 60° to core axis.   |                  |             |              |
| 576.0 650.0          | Green carbonate, 10% white quartz, brilliant, with sections of buff and grey carbonate. Up to 50-60% quartz locally with 1-2% pyrite.<br>Rusty slips 577.0-589.0, 635.0-652.0. |                  |             |              |

494.2 - 505.0  
 10.8  
 16/66

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-47  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|-----------------------------------|------------------|-------------|--------------|
|                      |                                   | 999              | 575.6 579.5 | NIL ✓        |
|                      |                                   | 1000             | 579.5 583.9 | 0.002 ✓      |
|                      |                                   | 401              | 583.9 588.2 | NIL ✓        |
|                      |                                   | 402              | 588.2 593.0 | NIL ✓        |
|                      |                                   | 403              | 593.0 597.3 | 0.002 ✓      |
|                      |                                   | 404              | 597.3 601.3 | NIL ✓        |
|                      |                                   | 405              | 601.3 604.0 | NIL ✓        |
|                      |                                   | 406              | 604.0 606.5 | NIL ✓        |
|                      |                                   | 407              | 606.5 608.2 | 0.002 ✓      |
|                      |                                   | 408              | 608.2 611.2 | NIL ✓        |
|                      |                                   | 409              | 611.2 614.0 | NIL ✓        |
|                      |                                   | 410              | 614.0 618.3 | NIL ✓        |
|                      |                                   | 411              | 618.3 622.4 | NIL ✓        |
|                      |                                   | 412              | 622.4 627.0 | NIL ✓        |
|                      |                                   | 413              | 627.0 632.3 | NIL ✓        |
|                      |                                   | 414              | 632.3 635.7 | NIL ✓        |
|                      |                                   | 415              | 635.7 637.7 | NIL ✓        |

650.0 710.0 Ultramafic, 30-40% white carbonate, brecciated to laminated at  
 70-80° to core axis.

710.0 End of hole.

DIAMOND DRILL LOG

|  |   |               |
|--|---|---------------|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-48                             |               |
| Location: Omega Group                                | Date Started:                                 | Page No. 1    |
| Level: Surface                                       | Date Finished:                                | Core Size: BQ |
| Bearing: 329°  | Logged by: Guy Hinse                          | Signed: _____ |
| Inclination: -45° 72'                                | Core Saved or Discarded: Stored at Omega Mine |               |
| Total Depth: 717.0 feet                              | Casing Pulled: (X) or Left: ( )               | Acid Tests:   |
| Location of Collar: 900E, 816N.                      | Project: 1022                                 | At: 300' -38° |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   | At: 717' -30° |

| Footage From - To | Geological & Physical Description   | Sample Number | From - To   | Au oz/ton |
|-------------------|---|---------------|-------------|-----------|
| 0.0 24.0          | Casing  |               |             |           |
| 24.0 75.0         | Dull green carbonate, laminated 35° to core axis, 10-30% dull grey carbonate.<br>34.0-37.0, silicified with 3-4% pyrite and a few specks of chalcopyrite.         | 438           | 34.4 37.0   | 0.002-    |
|                   |   | 439           | 66.8 68.7   | NIL-      |
| 75.0 105.0        | Grey carbonate (ultramafic). Laminated 60° to core axis. 102.0-103.5, 3" quartz veins, several rusty fractures, hematized.  |               |             |           |
| 105.0 184.0       | Ultramafic, laminated 60° to core axis. 163.0-167.0 cherty, 7-10% pyrite, ultramafic texture still visible.   | 468           | 161.0 163.0 | 0.01 -    |
|                   |   | 469           | 163.0 166.4 | 0.002-    |
|                   |   | 470           | 166.4 168.8 | NIL       |
|                   |   | 471           | 182.0 184.3 | 0.002-    |
| 184.0 224.0       | Mudstone, low chert to highly cherty with 20% pyrite. Contains short sections of green carbonate in upper portion of zone.<br>203.0-207.0, 40% basaltic material: | 472           | 184.3 188.4 | NIL       |
|                   |   | 473           | 188.4 192.0 | 0.08 0.7  |
|                   |   | 474           | 192.0 195.3 | 0.12 3.3  |
|                   |   | 475           | 195.3 197.0 | 0.05-     |
|                   |   | 476           | 197.0 201.0 | 0.02-     |
|                   |   | 477           | 201.0 205.1 | 0.01      |
|                   |   | 478           | 205.1 208.8 | 0.03-     |
|                   |   | 479           | 208.8 212.2 | 0.04-     |
|                   |   | 480           | 212.2 215.5 | 0.04-     |
|                   |   | 481           | 215.5 219.0 | 0.05      |
|                   |   | 482           | 219.0 222.4 | 0.13      |
|                   |   | 483           | 222.4 224.5 | 0.01      |
| 224.0 259.0       | Grey carbonate at first, getting tuffaceous, basaltic downward. Contains short sections of pyritized mudstone.  | 484           | 235.1 239.1 | 0.005-    |

*Handwritten notes:*  
 188.4 - 195.3  
 6.9' .099  
 188.4 - 222.4  
 34.0 .055

*Handwritten bracket:* } (grouping samples 472-483)

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-48  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
|                      |   | 485              | 249.5 253.0 | 0.002✓       |
|                      |   | 486              | 257.0 259.2 | 0.002✓       |
| 259.0 272.5          | Mudstone, cherty with 3-5% pyrite.  | 487              | 259.2 263.0 | 0.002✓       |
|                      |   | 488              | 263.0 266.5 | 0.005✓       |
|                      |   | 489              | 266.5 270.0 | 0.005✓       |
|                      |   | 490              | 270.0 272.0 | 0.002✓       |
| 272.5 320.0          | Tuffaceous carbonate, grey with green volcanic material. Well laminated 60° to core axis. Few coarse crystals of pyrite. Last 10 feet, grey, shaly, 60° to core axis. | 491              | 316.0 319.9 | 0.002✓       |
| 320.0 345.0          | Graphitic shale with cherty mudstone, 2-3% pyrite. Contains narrow sections of buff carbonate.  |                  |             |              |
|                      | 330.0, 2" of hematized cherty mudstone.   | 492              | 319.9 324.8 | 0.005✓       |
|                      |   | 493              | 324.8 329.0 | 0.002✓       |
|                      |   | 494              | 329.0 332.1 | 0.002✓       |
|                      |   | 495              | 332.1 337.0 | NIL✓         |
|                      |   | 496              | 337.0 342.2 | NIL✓         |
|                      |   | 497              | 342.2 344.1 | NIL✓         |
| 345.0 350.0          | Buff carbonate, dull with 30-40% white quartz veining.  | 498              | 344.1 348.4 | NIL✓         |
| 350.0 357.0          | Cherty grey mudstone, highly brecciated with hematized fractures, up to 20% pyrite over short sections.   | 499              | 348.4 352.2 | 0.04✓        |
|                      |   | 500              | 352.2 355.0 | 0.005✓       |
|                      |   | 519              | 355.0 357.6 | 0.005✓       |
| 357.0 368.0          | Grey tuffaceous material with short sections of mudstone.   | 520              | 357.6 359.5 | 0.005✓       |
|                      |   | 521              | 365.2 367.0 | 0.005        |
| 368.0 380.0          | Mudstone with graphitic shale, up to 3% pyrite.   | 522              | 367.0 371.0 | 0.01-        |
|                      |   | 523              | 371.0 375.0 | 0.01         |
|                      |   | 524              | 375.0 380.1 | 0.005        |
| 380.0 400.0          | as 357.0-368.0.   | 525              | 380.1 382.1 | 0.002✓       |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie

Project No: 1022

Hole No. OM 83-48  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 400.0 452.0          | Cherty mudstone, less than 1-2% pyrite.<br>427.0-440.0 graphitic shale.  | 526              | 399.9 404.5 | 0.002 ✓      |
|                      |  | 527              | 404.5 409.8 | 0.002 ✓      |
|                      |  | 528              | 409.8 415.2 | 0.01 ✓       |
|                      |  | 529              | 415.2 418.4 | NIL ✓        |
|                      |  | 530              | 418.4 422.0 | 0.02 ✓       |
|                      |  | 531              | 422.0 426.5 | 0.005 ✓      |
|                      |  | 532              | 426.5 429.7 | 0.005 ✓      |
|                      |  | 533              | 439.4 444.6 | NIL ✓        |
|                      |  | 534              | 444.6 448.6 | NIL ✓        |
| 452.0 475.0          | Mixture of grey carbonate with muddy sections. Grey carbonate,<br>massive to shaly.  | 535              | 448.6 453.2 | 0.01 ✓       |
| 475.0 504.0          | Graphitic shale and mudstone, little pyrite.   | 536              | 478.0 482.6 | 0.002 ✓      |
|                      |  | 537              | 482.6 487.0 | NIL ✓        |
|                      |  | 538              | 487.0 489.8 | NIL ✓        |
|                      |  | 539              | 489.8 492.8 | NIL ✓        |
|                      |  | 540              | 499.6 503.2 | 0.005 ✓      |
| 504.0 514.0          | Basaltic tuff, muddy.  |                  |             |              |
| 514.0 644.0          | Homogeneous grey mudstone, with pinkish tinge, locally<br>speckled, locally cherty with minor pyrite.<br>603.5 pinkish tinge stops quite abruptly with a 2" chlorite-<br>feldspar vein with some hematization. | 541              | 532.0 536.4 | 0.02 ✓       |
|                      |  | 542              | 536.4 539.3 | 0.04 ✓       |
|                      |  | 543              | 641.7 643.7 | NIL ✓        |
| 644.0 672.0          | Buff carbonate for 10', then dull green carbonate.   | 544              | 643.7 648.1 | NIL ✓        |
|                      |  | 545              | 648.1 652.7 | NIL ✓        |
|                      |  | 546              | 652.7 660.1 | NIL ✓        |
|                      |  | 547              | 660.1 667.0 | NIL ✓        |
| 672.0 721.0          | Ultramafic, 40% white carbonate, contorted 721.0, muddy,<br>broken up, fault?  |                  |             |              |
| 721.0                | End of hole.   |                  |             |              |



DIAMOND DRILL LOG

|   |   |                |
|---|---|----------------|
| Company: Lenora Exploration Limited         | Date Started:                                 | Hole No.83-49  |
| Location: Omega Group                       | Date Finished:                                | Page No. 1     |
| Level: Surface                              | Logged by: Guy Hinse                          | Core Size: BQ  |
| Bearing: 329°                               | Signed: _____                                 |                |
| Inclination: -60°                           | Core Saved or Discarded: Stored at Omega Mine |                |
| Total Depth: 677.0 feet                     | Casing Pulled: (X) or Left: ( )               | Acid Tests:    |
| Location of Collar: 900E, 816N              | Project: 1022                                 | At: 677' -58½° |
| Drilled by: Heath & Sherwood, Kirkland Lake |   | At:            |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 21.0             | Casing   |                  |             |              |
| 21.0 88.0            | Mudstone, not too cherty, massive, up to 3 to 10% pyrite. Contains short sections of green carbonate with hematized fractures. Mudstone is locally cherty with up to 50% white quartz.<br>65.0-88.0, syenitized. | 564              | 20.9 24.9   | 0.002 -      |
|                      |  | 565              | 24.9 27.0   | 0.005 -      |
|                      |  | 566              | 27.0 32.5   | 0.005 -      |
|                      |  | 567              | 32.5 38.0   | NIL -        |
|                      |  | 568              | 38.0 43.0   | NIL -        |
|                      |  | 569              | 43.0 46.8   | NIL -        |
|                      |  | 570              | 46.8 50.8   | 0.002 -      |
|                      |  | 571              | 50.8 56.2   | NIL -        |
|                      |  | 572              | 56.2 62.0   | 0.002 -      |
|                      |  | 573              | 62.0 67.0   | 0.005 -      |
|                      |  | 574              | 67.0 73.2   | NIL -        |
|                      |  | 575              | 73.2 80.6   | 0.005 -      |
|                      |  | 576              | 80.6 85.7   | 0.002 -      |
|                      |  | 577              | 85.7 88.0   | 0.002 -      |
| 88.0 114.0           | Dull green carbonate. At 102.0, 1.0' several hematized fractures. 107.0-109.0 green mica shale?  |                  |             |              |
| 114.0 150.0          | Grey carbonate (ultramafic).   |                  |             |              |
| 150.0 217.0          | Ultramafic.  |                  |             |              |
| 217.0 280.0          | Grey carbonate (ultramafic).   |                  |             |              |
| 280.0 318.0          | Highly cherty mudstone with 20% pyrite locally. Few narrow green carbonate sections.<br>297.0-300.5 rusty parallel to core.  | 578              | 280.0 283.5 | 0.01 -       |
|                      |  | 579              | 283.5 287.9 | 0.05 -       |
|                      |  | 580              | 287.9 292.0 | 0.02 -       |
|                      |  | 581              | 292.0 296.0 | 0.005 -      |
|                      |  | 582              | 296.0 299.8 | NIL -        |
|                      |  | 583              | 299.8 303.9 | 0.002 -      |
|                      |  | 584              | 303.9 309.4 | 0.002 -      |
|                      |  | 585              | 309.4 313.0 | 0.04 -       |
|                      |  | 586              | 313.0 318.0 | 0.01 -       |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No:1022

Hole No.OM 83-49  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 318.0 344.0          | Grey green carbonate, well laminated 50° to core axis. Less than 20% dull grey laminate.                 | 587              | 339.7 344.3 | 0.002 ✓      |
| 344.0 359.0          | Graphitic shale with some sections of chery mudstone.  | 588              | 344.3 348.9 | NIL ✓        |
|                      |  | 589              | 348.9 353.6 | NIL ✓        |
|                      |  | 590              | 353.6 358.0 | NIL ✓        |
| 359.0 376.0          | Grey-green carbonate, dull.<br>364.0-376.0, bleached, several rusty with heavy hematite.<br>Major fault. | 591              | 358.0 363.9 | 0.002 ✓      |
|                      |  | 592              | 363.9 369.2 | 0.005 ✓      |
|                      |  | 593              | 369.2 373.0 | 0.01 ✓       |
|                      |  | 594              | 373.0 375.5 | 0.01 ✓       |
| 376.0 404.0          | Graphitic shale with cherty mudstone, up to 25% locally.   | 595              | 375.5 378.8 | 0.03 - 0.4   |
|                      |  | 596              | 378.8 382.4 | 0.18 - 3.6   |
|                      |  | 597              | 382.4 386.6 | 0.01 ✓       |
|                      |  | 598              | 386.6 391.1 | 0.04 ✓       |
|                      |  | 599              | 391.1 395.9 | 0.01 ✓       |
|                      |  | 600              | 395.9 400.7 | 0.005 ✓      |
|                      |  | 1001             | 400.7 404.0 | 0.005 ✓      |
| 404.0 439.0          | Grey carbonate, less than 10% dull grey carbonate, laminated 45-60° to core axis.                        | 1002             | 433.8 439.5 | NIL ✓        |
| 439.0 499.5          | Grey massive mudstone, up to 20% pyrite locally, few white quartz veinlets.                              | 1003             | 439.5 444.8 | NIL ✓        |
|                      |  | 1004             | 444.8 451.0 | NIL ✓        |
|                      |  | 1005             | 451.0 457.0 | 0.002 ✓      |
|                      |  | 1006             | 457.0 459.5 | 0.005 ✓      |
|                      |  | 1007             | 459.5 462.3 | 0.08 - 2.8   |
|                      |  | 1008             | 462.3 464.8 | 0.38 - 2.5   |
|                      |  | 1009             | 464.8 467.8 | 0.02 - 3.0   |
|                      |  | 1010             | 467.8 472.3 | 0.005 - 4.5  |
|                      |  | 1011             | 472.3 474.6 | 0.15 - 2.3   |
|                      |  | 1012             | 474.6 480.0 | NIL ✓        |
|                      |  | 1013             | 480.0 484.0 | 0.002 ✓      |
|                      |  | 1014             | 484.0 489.0 | 0.005 ✓      |
|                      |  | 1015             | 489.0 493.7 | 0.005 ✓      |
|                      |  | 1016             | 493.7 497.0 | NIL ✓        |
|                      |  | 1017             | 497.0 499.8 | 0.002 ✓      |
| 499.5 507.0          | Green carbonate, 10-20% white quartz.  |                  |             |              |

459.5 - 474.6  
 15.1' .106

222  
 5.31

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie

Project No:1022

Hole No.OM 83-49  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 1018             | 499.8 502.0 | 0.005 /      |
| 507.0 519.0          | Massive buff carbonate.  |                  |             |              |
| 519.0 534.0          | Grey carbonate (ultramafic).   | 1019             | 519.2 526.4 | NIL /        |
| 534.0 542.0          | Green carbonate.   | 1020             | 538.8 542.1 | 0.002 /      |
| 542.0 667.0          | Grey and buff carbonate, with short sections of green,<br>shaly from 570.0 to 575.0.<br>604.0-657.0 almost all massive grey carbonate. | 1021             | 542.1 548.0 | 0.005 /      |
|                      |  | 1022             | 548.0 550.8 | 0.002 /      |
|                      |  | 1023             | 562.9 569.0 | 0.005 /      |
|                      |  | 1024             | 575.8 581.9 | NIL /        |
|                      |  | 1025             | 603.6 609.1 | NIL /        |
|                      |  | 1026             | 625.5 629.1 | NIL /        |
|                      |  | 1027             | 629.1 632.0 | 0.005 /      |
|                      |  | 1028             | 632.0 634.5 | 0.002 /      |
|                      |  | 1029             | 648.8 653.1 | 0.002 /      |
|                      |  | 1030             | 653.1 658.8 | 0.002 /      |
|                      |  | 1031             | 658.8 661.7 | NIL /        |
|                      |  | 1032             | 661.7 667.0 | NIL /        |
| 667.0 677.0          | Buff grey carbonate (ultramafic).  |                  |             |              |
| 677.0                | End of hole.   |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group  
 Level: Surface  
 Bearing: 329°  
 Inclination: -70°  
 Total Depth: 837.0 feet  
 Location of Collar: 900E, 600N  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ont.

Date Started:  
 Date Finished:  
 Logged by: Guy Hinse  
 Core Saved or Discarded: Stored at Omega Mine  
 Casing Pulled: (X) or Left: ( )  
 Project: 1022

Hole No. OM 83-50  
 Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests:  
 At: 828' -61°  
 At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number                                     | From - To   | Au<br>oz/ton  |
|----------------------|---|--|---|---|
| 0.0 42.0             | Casing  |  |   |   |
| 42.0 156.5           | Ultramafic, schistose at 40 to 45° to core axis.<br>59.0-65.5, lamprophyre.<br>71.15-83.0, lamprophyre.<br>Last 5' up to 10-15% quartz, grading contact with below. | 1033<br>1034   | 149.1 151.7<br>151.7 156.0  | NIL ✓<br>0.002 ✓  |
| 156.5 167.0          | Green carbonate, up to 10% quartz, contorted to laminated.<br>45° to core axis.   | 1035<br>1036<br>1037<br>1038                         | 156.0 158.5<br>158.5 161.3<br>161.3 164.6<br>164.6 167.0  | 0.005 ✓<br>0.002 ✓<br>0.002 ✓<br>0.005 ✓                            |
| 167.0 181.0          | Buff carbonate, 30-40% dull grey laminae, well laminated 45° to core axis. Last 5' almost a shale, less than 5% dull grey laminae.                                  |  |   |   |
| 181.0 224.0          | Dull green carbonate, well laminated at 40° to core axis, up to 50% quartz locally.   | 1039<br>1040<br>1041<br>1042<br>1043<br>1044<br>1045 | 195.6 198.0<br>198.0 202.7<br>202.7 205.2<br>205.2 210.5<br>210.5 214.9<br>214.9 219.7<br>219.7 224.6 | NIL ✓<br>NIL ✓<br>0.002 ✓<br>NIL ✓<br>0.005 ✓<br>0.005 ✓<br>0.002 ✓ |
| 224.0 229.0          | Grey massive cherty mudstone, brecciated, 30% quartz, 1% pyrite.  | 1046   | 224.6 228.4   | NIL ✓   |
| 229.0 241.0          | Dull green carbonate, short sections of buff carbonate.<br>230.0-232.0, rusty, contorted.<br>236.0 grading into following.  | 1047<br>1048<br>1049<br>1050                         | 228.4 233.2<br>233.2 236.0<br>236.0 238.9<br>238.9 241.1  | 0.002 ✓<br>0.002 ✓<br>0.005 ✓<br>0.005 ✓                            |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-50  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 241.0 318.0          | Ultramafic, well laminated at 30° to core axis. 20-30% white carbonate veinlets.<br>307.0 grading into carbonate.  |                  |             |              |
| 318.0 361.0          | Grey to buff grey carbonate, massive, barren.<br>Last 10.0 feet could contain narrow sections of cherty mudstone.  | 1051             | 348.5 352.0 | 0.08 /       |
|                      |  | 1052             | 352.0 357.0 | 0.002 /      |
|                      |  | 1053             | 357.0 360.8 | NIL /        |
| 361.0 376.0          | Syenite or syenitized mudstone, 10-30% quartz and 2-5% pyrite. Graphitic slip parallel core axis at lower contact. | 1054             | 360.8 364.9 | 0.005 /      |
|                      |  | 1055             | 364.9 369.3 | 0.002 /      |
|                      |  | 1056             | 369.3 373.8 | NIL /        |
| 376.0 411.0          | Ultramafic, 10-20% white carbonate veinlets.   | 1057             | 373.8 377.6 | 0.005 /      |
|                      |  | 1058             | 377.6 380.9 | NIL /        |
|                      |  | 1059             | 380.9 383.4 | 0.002 /      |
| 411.0 439.0          | Ultramafic shale with 30% mica grading into tuff at 425.0', 60° to core axis.                                      | 1060             | 415.0 420.0 | 0.002 /      |
|                      |  | 1061             | 420.0 425.0 | 0.01 /       |
| 439.0 503.0          | Ultramafic, less than 10% white carbonate.<br>439.0-443.0, 30-40% white quartz breccia.                            | 1062             | 439.3 443.0 | 0.02 /       |
| 503.0 540.0          | Buff grey carbonate up to 60% white carbonate (ultramafic), contorted.   | 1071             | 532.0 537.0 | 0.002 /      |
| 540.0 574.0          | Ultramafic tuff, contorted, full of soft sediment deformation.   |                  |             |              |
| 574.0 592.0          | Graphitic shale with cherty mudstone.<br>At 587.0, 1.0' highly graphitic.  | 1098             | 574.0 577.0 | 0.002 /      |
|                      |  | 1072             | 577.0 580.0 | 0.005 /      |
|                      |  | 1073             | 580.0 583.0 | 0.03 /       |
|                      |  | 1074             | 583.0 586.0 | 0.005 /      |
|                      |  | 1075             | 586.0 589.0 | 0.04 /       |
|                      |  | 1076             | 589.0 592.0 | 0.002 /      |
| 592.0 635.0          | Buff carbonate, 30-40% dull grey carbonate.  | 1077             | 631.0 634.0 | 0.02 /       |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-50  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 635.0 640.0          | 4" graphitic shale followed by massive grey mudstone, 3-4% pyrite.          | 1078             | 634.0 639.0 | 0.002 ✓      |
| 640.0 682.0          | Buff carbonate, linedated 50° to core axis, 10-20% dull grey carbonate.     | 1099             | 678.6 681.6 | 0.08 ✓       |
| 682.0 788.0          | Massive grey mudstone, up to 20% pyrite locally, 4 specks of V.G. at 715.5. | 1079             | 681.6 684.6 | 0.06 ✓       |
|                      |   | 1080             | 684.6 687.6 | 0.03 ✓       |
|                      |   | 1081             | 687.6 690.6 | 0.02 ✓       |
|                      |   | 1082             | 690.6 693.6 | 0.004 ✓      |
|                      |   | 1083             | 693.6 696.6 | 0.02 ✓       |
|                      |   | 1084             | 696.6 699.6 | 0.03 ✓       |
|                      |   | 1085             | 699.6 702.6 | 0.04 ✓       |
|                      |   | 1086             | 702.6 705.6 | 0.10 ✓       |
|                      |   | 1087             | 705.6 708.6 | 0.02 ✓       |
|                      |   | 1088             | 708.6 711.6 | 0.02 ✓       |
|                      |   | 1089             | 711.6 714.6 | 0.002 ✓      |
|                      |   | 1090             | 714.6 717.6 | 0.08 ✓       |
|                      |   | 1091             | 717.6 719.6 | 0.02 ✓       |
|                      |   | 1092             | 719.6 722.6 | 0.08 ✓       |
|                      |   | 1093             | 722.6 727.0 | 0.002 ✓      |
|                      |   | 1094             | 727.0 732.0 | 0.002 ✓      |
|                      |   | 1095             | 732.0 737.0 | NIL ✓        |
|                      |   | 1096             | 737.0 741.0 | NIL ✓        |
|                      |   | 1100             | 741.0 744.5 | NIL ✓        |
|                      |   | 1101             | 744.5 750.0 | NIL ✓        |
|                      |   | 1102             | 750.0 755.0 | 0.002 ✓      |
|                      |   | 1103             | 755.0 760.0 | NIL ✓        |
|                      |   | 1104             | 760.0 765.0 | NIL ✓        |
|                      |   | 1105             | 765.0 770.0 | NIL ✓        |
|                      |   | 1106             | 770.0 775.0 | NIL ✓        |
|                      |   | 1107             | 775.0 780.0 | NIL ✓        |
|                      |   | 1108             | 780.0 785.8 | NIL ✓        |
| 788.0 799.0          | Dirty mudstone, up to 40% volcanic material.                                | 1109             | 785.8 792.0 | NIL ✓        |
|                      |   | 1110             | 792.0 798.0 | 0.002 ✓      |
| 799.0 803.0          | Highly cherty mudstone with up to 10% pyrite.                               | 1097             | 798.0 803.0 | 0.05 ✓       |
| 803.0 837.0          | Ultramafic, up to 80-90% white carbonate.                                   |                  |             |              |
| 837.0                | End of hole.  |                  |             |              |

*681.6 - 722.6  
 41.0 = .038*

*702.6 - 722.6  
 20.0 = .0473*

V.G.

*3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0*

SLUDGE SAMPLES

*647.0 657.0 0.01  
 707.0 717.0 0.02  
 717.0 727.0 0.05*

DIAMOND DRILL LOG



Company: Lenora Exploration Limited

Hole No. OM 83-51

Location: Omega Group

Date Started:

Page No. 1

Level: Surface

Date Finished: *Aug. 1/83*

Core Size: BQ

Bearing: 329°

Logged by: Guy Hinse

Signed: \_\_\_\_\_

Inclination: -45°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 607.0 feet

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 1200E, 621N

Project: 1022

At: 607' -39°



Drilled by: Heath & Sherwood, Kirkland Lake, Ont.

At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To | Au<br>oz/ton    |
|----------------------|---|------------------|-----------|-----------------|
| 0.0 12.0             | Casing  |                  |           |                 |
| 12.0 26.0            | Buff carbonate, slightly brecciated, 20-30% grey dull carbonate matrix. Barren.   |                  |           |                 |
| 26.0 39.0            | Dull grey-green carbonate, slightly brecciated, few white quartz veins parallel to core axis. Barren.   |                  |           |                 |
| 39.0 46.5            | Buff and grey carbonate, slightly brecciated, 10-15% dull grey matrix. Barren.  |                  |           |                 |
|                      |   | 1111             | 37.0 40.3 | 0.02 - 3.3      |
|                      |   | 1112             | 40.3 43.5 | 0.01 - 3.2 9.7' |
|                      |   | 1113             | 43.5 46.7 | 0.02 - 3.2      |
| 46.5 51.5            | Dull green carbonate, over 50% dull grey matrix, somewhat laminated to weakly brecciated. Barren.   |                  |           |                 |
| 51.5 59.5            | Buff sandstone, massive, slightly recrystallized.<br>57.7, 5" grey mudstone with 10-15% pyrite.   |                  |           |                 |
|                      |   | 1114             | 57.7 60.6 | 0.002 /         |
| 59.5 61.0            | Quartz and carbonate breccia, barren.   |                  |           |                 |
| 61.0 68.0            | Dull green carbonate, 50% dull grey matrix. Barren.   |                  |           |                 |
| 68.0 77.0            | Buff carbonate, contorted, 10-30% dull grey matrix, barren.<br>69.0-70.5, highly rusty, broken up, quartz and carbonate veining with dendritic texture, fault.<br>74.5-75.0, rusty. |                  |           |                 |
|                      |   | 1115             | 68.2 72.0 | 0.08 /          |
| 77.0 79.0            | Ultramafic tuff material and 30% pyrite and green mica shale.<br>77.0-77.5, quartz and carbonate breccia, traces of hematite.<br>Well bedded, 60° to core axis.                     |                  |           |                 |
| 79.0 106.0           | Dull green carbonate, as before, 50-60% dull grey matrix.<br>88.5-91.5, 10-30% quartz breccia, 2-3% disseminated pyrite at 88.5<br>95.0 carbonate decreasing down hole.             |                  |           |                 |
| 106.0 223.5          | Ultramafic, weakly brecciated, barren.<br>106.0-117.0, 20-30% white carbonate veinlets.<br>117.0, massive, few white carbonate veinlets.  |                  |           |                 |

*Handwritten notes:*  
37.0-46.7  
9.7 .017

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-51

Project: McVittie Township

Project No: 1022

Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 223.5 237.0          | Highly brecciated or conglomerate. Well rounded fragments of grey carbonate (ultramafic) in a white carbonate matrix. Few white quartz veins with hematite. 236.5-237.0, fault gouge? or grinding.   |                  |             |              |
| 237.0 244.5          | Ultramafic with 20-30% white carbonate veinlets, barren.   |                  |             |              |
| 244.5 287.5          | Grey carbonate, with poor buff sections. Barren. 277.0-280.0. Massive buff carbonate, less than 3% dull grey carbonate matrix.   | 1130             | 283.0 287.5 | 0.005 ✓      |
| 287.5 332.0          | Mixture of black graphitic shale with 50% highly cherty grey mudstone., Contains locally up to 10% fine pyrite. Black shale also pyritized in pods, patches and disseminations, up to 10%. Highly cherty section very finely laminated, consists almost of fine chert with mica and 10-20% very fine pyrite. | 1131             | 287.5 290.4 | 0.10 ✓       |
|                      |  | 1132             | 290.4 295.3 | 0.002 ✓      |
|                      |  | 1133             | 295.3 300.1 | 0.005 ✓      |
|                      |  | 1134             | 300.1 305.0 | 0.002 ✓      |
|                      |  | 1135             | 305.0 309.6 | 0.002 ✓      |
|                      |  | 1136             | 309.6 313.0 | NIL ✓        |
|                      |  | 1137             | 313.0 318.0 | 0.01 ✓       |
|                      |  | 1138             | 318.0 322.8 | 0.002 ✓      |
|                      |  | 1139             | 322.8 327.5 | 0.002 ✓      |
|                      |  | 1140             | 327.5 332.2 | 0.005 ✓      |
| 332.0 367.5          | Buff carbonate, laminated 60 to 80° to core axis, 40-50% dull grey and green carbonate, barren.  | 1141             | 332.2 334.2 | NIL ✓        |
| 367.5 389.0          | Chert, albite, pyrite zone, up to 10-20% pyrite in best developed sections. Locally laminated 60-80° to core axis.   | 1116             | 367.5 371.0 | 0.005 ✓      |
|                      |  | 1117             | 371.0 375.5 | 0.005 ✓      |
|                      |  | 1118             | 375.5 380.4 | 0.002 ✓      |
|                      |  | 1119             | 380.4 384.4 | 0.005 ✓      |
|                      |  | 1120             | 384.4 388.8 | 0.002 ✓      |
| 389.0 398.0          | Buff to dull grey carbonate, well brecciated, barren.  | 1121             | 388.8 395.1 | NIL ✓        |
|                      |  | 1122             | 395.1 398.4 | NIL ✓        |
| 398.0 401.5          | Graphitic shale, weakly cherty, minor pyrite, weakly brecciated to laminated at 60° to core axis.  | 1123             | 398.4 401.3 | 0.002 ✓      |
| 401.5 403.0          | Dull green carbonate, barren.  |                  |             |              |



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-51  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number   | Au<br>oz/ton                          |
|----------------------|--|--|---------------------------------------|
| 403.0 408.0          | Graphitic shale, traces of pyrite, 60° to core axis.   |  |                                       |
| 408.0 431.0          | Dull grey-green to dull green carbonate, weakly brecciated, barren.  | 1124 429.0 431.3   | 0.002 /                               |
| 431.0 447.0          | Grey massive to weakly brecciated mudstone. Not too cherty, less than 3% pyrite. Contains several hematized fractures. 441.0, highly cherty brecciated mudstone, 10% fine pyrite. Last 8", rusty, vuggy.         | 1125 431.3 436.0<br>1126 436.0 440.5<br>1127 440.5 443.7<br>1128 443.7 447.0 | 0.002 /<br>0.02 /<br>0.39 /<br>0.09 / |
|                      | <i>440.5-447.0<br/>b.s. .231</i>   |  | <i>3.2<br/>3.3</i>                    |
| 447.0 496.0          | Dull green carbonate, brecciated changing into grey-buff carbonate, laminated at 45° to core axis. Contains short sections of dull green carbonate.  | 1129 447.0 449.1   | 0.005 /                               |
| 496.0 523.0          | Grey carbonate (ultramafic), well laminated at 60° to core axis.   |  |                                       |
| 523.0 607.0          | Ultramafic, 50-60% white carbonate veinlets, decreasing downward. 577.0-593.0, some finely laminated sections at 90° to core axis. 593.0-604.0, well brecciated, ultramafic fragments in white carbonate matrix. |  |                                       |
| 607.0                | End of hole.   |  |                                       |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group Date Started: Sept. 1/83  
 Level: Surface Date Finished: Sept. 8/83  
 Bearing: 329° Logged by: Guy Hinse Signed: \_\_\_\_\_  
 Inclination: -75° Core Saved or Discarded: Stored at Omega Mine  
 Total Depth: 647.0' Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: 1200E, 620N 621A Project: 1022 At: 300 -74°  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At: 630 -70°

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton   |
|----------------------|---|------------------|-------------|----------------|
| 0.0 12.0             | Casing  |                  |             |                |
| 12.0 54.0            | Carbonate, buff-grey to green.<br>31.5-41.0, up to 10-20% white quartz with minor pyrite.<br>47.0-49.0, 40% white quartz.   | 1142             | 11.2 13.4   | 0.02           |
|                      |   | 1143             | 31.6 33.5   | 0.005          |
|                      |   | 1144             | 33.5 36.5   | 0.02 3'        |
|                      |   | 1145             | 36.5 39.0   | 0.01 2.5       |
|                      |   | 1147             | 39.0 42.9   | 0.03 3.9 11.4' |
|                      |   | 1146             | 42.9 44.9   | 0.02 2.0       |
| 54.0 64.0            | Sandstone, few green mica shards in a weakly brecciated buff matrix.<br>Laminated at 40° to core axis.  |                  |             |                |
| 64.0 77.0            | Dull green carbonate, weakly brecciated to laminated at 50-55° to core axis.  |                  |             |                |
| 77.0 86.5            | As at 54.0-64.0, but poorly developed. Upper contact at 45° to core axis.   |                  |             |                |
| 86.5 105.0           | Buff carbonate, locally green, weakly brecciated to laminated at 60° to core axis.  |                  |             |                |
| 105.0 131.0          | Dull grey carbonate, local changes to dull green and buff.<br>113.0-116.0 & 118.0-119.5, 40% white quartz.<br>119.5-125.0, rusty, vuggy.<br>129.0, grading into an ultramafic carbonate.  |                  |             |                |
| 131.0 138.5          | Ultramafic carbonate, brecciated, less than 10% white quartz.<br>Whole sections contain many rusty slips and fractures.   |                  |             |                |
| 138.5 244.0          | Ultramafic, up to 20% white carbonate and syenitized to 142.5.<br>Brecciated, barren.<br>Rusty slips and fractures, 6" at 152.0; 4" at 156.0.<br>At 177.0, changes abruptly into grey-black ultramafic, brecciated.<br>177.0-178.5, highly sheared, brecciated, 30° to core axis. |                  |             |                |
| 244.0 315.5          | Ultramafic, brecciated, 50% white carbonate.<br>270.5-273.0, highly brecciated.   |                  |             |                |
| 315.5 318.0          | Grey homogeneous mudstone, contorted, finely laminated, 1% pyrite.  | 1148             | 314.0 317.7 | 0.005          |

33.5-44.9  
11.4 .021

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-52  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 318.0 322.0          | Tuffaceous mudstone, greenish, massive.   | 1149             | 317.7 321.7 | NIL          |
|                      |   | 1150             | 321.7 323.7 | 0.005        |
| 322.0 341.0          | Cherty mudstone, highly at first, light grey to hematite-red, grading into a cherty black recrystallized shale, highly brecciated 2-3% pyrite.  | 1151             | 323.7 328.0 | 0.002        |
|                      |   | 1152             | 328.0 331.0 | NIL          |
|                      |   | 1153             | 331.0 334.0 | NIL          |
|                      |   | 1154             | 334.0 336.0 | 0.005        |
| 331.5 341.0          | Tuffaceous mudstone, traces of pyrite, massive. Contains short sections of cherty buff mudstone.  | 1155             | 336.0 341.0 | 0.002        |
| 341.0 355.0          | Grey to buff cherty carbonate mudstone with sections highly cherty black mudstone first foot, 10% pyrite, after 1% pyrite.  | 1156             | 341.0 344.5 | 0.002        |
|                      |   | 1157             | 344.5 347.5 | NIL          |
|                      |   | 1158             | 347.5 350.5 | 0.002        |
|                      |   | 1159             | 350.5 352.7 | NIL          |
|                      |   | 1160             | 352.7 355.0 | NIL          |
| 355.0 393.0          | Grey cherty, carbonate mudstone, 1-2% pyrite, well laminated at 50° to core axis to contorted. Amount of pyrite related to change to buff color, ie. 5-10% pyrite such as at 373.0-376.0. | 1161             | 355.0 358.0 | 0.002        |
|                      |   | 1162             | 358.0 361.0 | 0.002        |
|                      |   | 1163             | 361.0 364.0 | 0.002        |
|                      |   | 1164             | 364.0 367.0 | NIL          |
|                      |   | 1165             | 367.0 370.0 | 0.002        |
|                      |   | 1166             | 370.0 372.0 | NIL          |
|                      |   | 1167             | 372.0 374.0 | 0.002        |
|                      |   | 1168             | 374.0 376.0 | 0.002        |
|                      |   | 1169             | 376.0 380.0 | 0.002        |
|                      |   | 1170             | 380.0 384.0 | 0.005        |
|                      |   | 1171             | 384.0 387.0 | 0.002        |
| 1172                 | 387.0 391.0   | 0.002            |             |              |
| 1173                 | 391.0 393.0   | 0.002            |             |              |
| 393.0 421.5          | Carbonate, grey-buff, contorted, weakly brecciated to laminated at 45 to 60° to core axis, less than 10% white quartz. 394.0-396.0, broken up.  |                  |             |              |
| 421.5 433.5          | Mudstone, grey homogeneous, 1-2% pyrite. 431.0-433.5, highly cherty, 10% very fine pyrite.  | 1174             | 421.0 424.0 | 0.01         |
|                      |   | 1175             | 424.0 427.0 | 0.01         |
|                      |   | 1176             | 427.0 430.0 | 0.005        |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-52  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
|                      |   | 1177 430.0 433.0           | 0.01         |
| 433.5 499.0          | Carbonate, grey to buff to dull green, weakly brecciated to laminated at 45° to core axis. Less than 10% white quartz. 433.5-434.5, broken up, hematized, brecciated. |                            |              |
| 499.0 525.0          | Carbonate, grey to buff, ultramafic, 45-60° to core axis, locally contorted.  |                            |              |
| 525.0 565.0          | Carbonate, dull green, brecciated, locally up to 10% white quartz, grading in green carbonate at 557.0 with 10-20% white quartz, brecciated.                          |                            |              |
| 565.0 597.0          | Grey ultramafic carbonate grading into ultramafic at 597.0, brecciated, contorted.  |                            |              |
| 597.0 647.0          | Ultramafic, brecciated with 10-30% white carbonate.   |                            |              |
| 647.0                | End of hole.  |                            |              |

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-53                             |
| Location: Omega Group                                | Date Started: Sept. 6/83                      |
| Level: Surface                                       | Date Finished: Sept. 11/83                    |
| Bearing: 329°  | Logged by: Guy Hinse                          |
| Inclination: -57°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 408.0 feet                              | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 1300E, 900N                      | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: 407' -52°                                 |
|  | At:   |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 30.0             | Casing   |                            |              |
| 30.0 32.0            | Cherty shaly mudstone, broken up, brecciated, 1% pyrite.   | 1178 30.0 33.0             | 0.01         |
| 32.0 40.0            | Grey cherty carbonate mudstone, 3-5% pyrite, contorted.  | 1179 33.0 36.0             | 0.01         |
|                      |  | 1180 36.0 41.0             | NIL          |
| 40.0 85.0            | Mudstone, shaly, weak chert, less than 1% pyrite.  | 1181 41.0 46.0             | NIL          |
|                      |  | 1182 46.0 51.0             | NIL          |
|                      |  | 1183 51.0 56.0             | 0.005        |
| 85.0 92.0            | Grey cherty carbonate mudstone, 3-5% pyrite. Well lined locally at 60°.                            |                            |              |
|                      | 93.0-94.5, 112.0-113.0, broken up, higher brecciated with hematized fractures.                     |                            |              |
|                      | Section from 30.0 to 121.0 is moderately broken up, but no rusty fracture.                         |                            |              |
|                      |  | 1184 85.5 89.0             | 0.005        |
|                      |  | 1185 89.0 91.5             | NIL          |
| 92.0 135.0           | Mixture of grey mudstone with black to graphitic shale, contorted to 30 to 60° to core axis.       |                            |              |
|                      |  | 1186 91.5 97.0             | 0.002        |
|                      |  | 1187 97.0 102.0            | 0.002        |
|                      |  | 1188 102.0 107.0           | 0.002        |
| 135.0 144.0          | Buff carbonate, 70° to core axis.  |                            |              |
| 144.0 147.5          | Grey mudstone, 60° to core axis, 3% pyrite.  |                            |              |
| 147.5 153.0          | Dull buff carbonate.   |                            |              |
| 153.0 164.5          | Grey, highly cherty mudstone, up to 35% pyrite.  |                            |              |
|                      |  | 1189 153.0 156.0           | 0.12         |
|                      |  | 1190 156.0 159.0           | 0.03         |
|                      |  | 1191 159.0 160.0           | 0.02         |
|                      |  | 1192 160.0 163.0           | 0.005        |
| 164.5 174.5          | Shaly mudstone, highly brecciated from 164.5 to 167.0, few hematized fractures. Locally graphitic. |                            |              |
|                      |  | 1193 163.0 166.0           | 0.01         |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-53  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 174.5 219.0          | Dull green carbonate, looks ultramafic. Few rusty fractures from 202.0 to 207.0.                                    |                            |              |
| 219.0 270.0          | Tuffaceous mudstone, massive, barren to locally cherty with 1-2% pyrite.  |                            |              |
| 270.0 275.0          | Grey cherty carbonate mudstone with up to 20% pyrite, massive.  | 1194 270.0 273.0           | 0.02         |
| 275.0 280.5          | Brecciated mudstone, not cherty, some buff sericite. Rusty fracture, 10 <sup>0</sup> to core axis at upper contact. | 1195 273.0 276.0           | 0.28         |
| 280.5 307.0          | Dull green carbonate, brecciated.<br>299.0-307.0, 10-20% white quartz.  |                            |              |
| 307.0 327.0          | Grey ultramafic carbonate, brecciated, contorted.   |                            |              |
| 327.0 408.0          | Ultramafic with 20-30% white carbonate. Brecciated, contorted. 385.0-392.0, few hematized fractures.                |                            |              |
| 408.0                | End of hole.  |                            |              |

.15/60'

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. OM 83-54                             |
| Location: Omega Group                             | Date Started: <u>sep. 12/83</u>               |
| Level: Surface                                    | Date Finished: <u>sep. 15/83</u>              |
| Bearing: 329°                                     | Logged by: Guy Hinse                          |
| Inclination: -83°                                 | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 473.0 feet                           | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 1300E, 900N                   | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | At: Collar -83°                               |
|   | At: 473' -80°                                 |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 24.0             | Casing   |                  |             |              |
| 24.0 26.0            | Brecciated mudstone, broken up.  |                  |             |              |
| 26.0 34.5            | Grey mudstone, up to 10% pyrite, contorted.  | 1196             | 26.0 29.0   | 0.005        |
|                      |  | 1197             | 29.0 33.0   | 0.005        |
| 34.5 51.0            | Mixture of grey and shaly mudstone, up to 3% pyrite,<br>traces of graphite.<br>48.0-51.0, several rusty fractures, 10-30% white quartz<br>breccia.   | 1198             | 33.0 36.0   | 0.15         |
|                      |  | 1753             | 36.0 39.0   | 0.002        |
| 51.0 102.0           | Dull buff-green carbonate, brecciated to laminated at 45°<br>to core axis.   |                  |             |              |
| 102.0 146.0          | Grey to buff carbonate mudstone, 35° to core axis.<br>104.0-111.5, highly cherty, grey, hematized, up to 10%<br>pyrite.<br>133.0-146.0, very highly cherty buff mudstone, well<br>laminated 30° to core axis. Less than 1% pyrite. | 1199             | 100.5 103.5 | 0.002        |
|                      |  | 1200             | 103.5 106.5 | 0.02         |
|                      |  | 1501             | 106.5 109.5 | 0.005        |
|                      |  | 1502             | 109.5 111.5 | NIL          |
|                      |  | 1503             | 111.5 115.0 | 0.002        |
|                      |  | 1504             | 115.0 118.0 | 0.03         |
|                      |  | 1505             | 118.0 121.0 | 0.02         |
|                      |  | 1506             | 121.0 126.0 | 0.002        |
|                      |  | 1507             | 126.0 131.0 | 0.005        |
|                      |  | 1508             | 131.0 136.0 | 0.005        |
|                      |  | 1509             | 136.0 141.0 | 0.01         |
|                      |  | 1510             | 141.0 146.0 | 0.01         |
| 146.0 194.0          | Mostly graphitic shale with short mineralized sections.  | 1511             | 146.0 151.0 | NIL          |
| 194.0 228.5          | Grey cherty carbonate mudstone, 1-3% pyrite, contorted.<br>203.5, grey-buff, very highly cherty with 3% pyrite.<br>Laminated 30° to core axis.   | 1512             | 194.0 197.0 | 0.002        |
|                      |  | 1513             | 197.0 200.0 | 0.002        |
|                      |  | 1514             | 200.0 203.0 | 0.002        |
|                      |  | 1515             | 203.0 206.0 | NIL          |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-54  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 1516             | 206.0 209.0 | 0.002        |
|                      |  | 1517             | 209.0 212.0 | 0.002        |
|                      |  | 1518             | 212.0 217.0 | 0.005        |
|                      |  | 1519             | 217.0 220.0 | 0.01         |
|                      |  | 1520             | 220.0 223.0 | 0.005        |
|                      |  | 1521             | 223.0 226.0 | 0.005        |
|                      |  | 1522             | 226.0 228.0 | 0.002        |
| 228.5 235.5          | Grey cherty mudstone, 1-2% pyrite, massive, few hematized fractures.<br>Last foot, 20% white quartz, highly cherty grey, 30% pyrite.   | 1523             | 228.0 232.0 | NIL          |
|                      |  | 1524             | 232.0 235.5 | 0.005        |
| 235.5 243.0          | Dull green carbonate.  | 1525             | 235.5 240.5 | NIL          |
| 243.0 278.5          | Grey carbonate mudstone, massive, some laminations at 40° to core axis. Less than 1% pyrite.<br>271.5-278.5, grey, highly brecciated, cherty, recrystallized mudstone, up to 10% pyrite. | 1526             | 247.0 252.0 | 0.002        |
|                      |  | 1527             | 252.0 256.0 | NIL          |
|                      |  | 1528             | 256.0 259.0 | 0.005        |
|                      |  | 1529             | 259.0 262.0 | 0.002        |
|                      |  | 1530             | 262.0 265.0 | 0.002        |
|                      |  | 1531             | 265.0 268.0 | 0.01         |
|                      |  | 1532             | 268.0 270.0 | 0.005        |
|                      |  | 1533             | 270.0 272.0 | 0.02         |
|                      |  | 1534             | 272.0 274.0 | 0.08 2.0     |
|                      |  | 1535             | 274.0 275.5 | 0.02 1.5     |
|                      |  | 1536             | 275.5 276.5 | 0.08 1.0     |
|                      |  | 1537             | 276.5 277.5 | 6.09 1.0     |
|                      |  | 1538             | 277.5 278.5 | 0.30 1.0     |
| 278.5 344.5          | Dull green carbonate, brecciated and laminated at 35° to core axis. Less than 10% quartz.  | 1539             | 278.5 281.5 | 0.005        |
| 344.5 365.0          | Buff carbonate, ultramafic.  |                  |             |              |
| 365.0 376.0          | Dull green carbonate.  |                  |             |              |
| 376.0 412.0          | Buff carbonate, ultramafic.  |                  |             |              |
| 412.0 417.0          | Ultramafic, up to 50% white carbonate.   |                  |             |              |
| 417.0 473.0          | Ultramafic, contorted to laminated at 45-60° to core axis, 40-50% white carbonate, locally approaching grey carbonate with an increase in white quartz, up to 10%.                       |                  |             |              |

*Handwritten notes:*  
 272.0 - 278.5 UNCW  
 6.5 1.025 CUT  
 6.5 0.242 CUT



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-54  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

|       |              |  |  |
|-------|--------------|--|--|
| 473.0 | End of hole. |  |  |
|-------|--------------|--|--|

AVERAGES:

272.0 to 278.5, 6.5 feet of 1.025 uncut  
 272.0 to 278.5, 6.5 feet of 0.242 cut to 1.0 oz.

Dec. 19/83

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-55                             |
| Location: Omega Group                                | Date Started: Sept. 6/83                      |
| Level: Surface                                       | Date Finished: Sep. 21/83                     |
| Bearing: -329°                                       | Logged by: Guy Hinse                          |
| Inclination: -60°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 967.0                                   | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 1100E, 650N                      | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: Collar -60°                               |
|  | At: 967' -50°                                 |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 36.0             | Casing   |                            |              |
| 36.0 77.0            | Ultramafic conglomerate, few distinguishable ultramafic clasts. Locally weakly altered (syenitization).  |                            |              |
| 77.0 87.0            | Beach conglomerate, few stretched clasts in a green mica-rich sandy matrix.  |                            |              |
| 87.0 95.5            | Buff carbonate, mica-shale-rich, weakly brecciated, 30% grey carbonate.  |                            |              |
| 95.5 146.0           | Dull green carbonate, 30-50% grey carbonate, short sections of mica shale to 107.0. After 107.0, grey carbonate increases to 70-80% with up to 30% white quartz. |                            |              |
|                      | 114.0-134.0, 1-2% fine disseminated pyrite.  |                            |              |
|                      | 134.0-146.0, highly cherty with up to 70% black chert, well laminated at 45° to core axis.   |                            |              |
| 146.0 157.0          | Grey carbonate mudstone, last foot green mica shale rich.  |                            |              |
| 157.0 325.0          | Ultramafic, 10-20% white carbonate, grading into dark grey fragments in 10% matrix.  |                            |              |
|                      | 252.0, broken up, 2 inches.  |                            |              |
|                      | 254.0, broken up, 8 inches, gougy, minor syenitization along fractures.  |                            |              |
|                      | 286.0-290.0, brecciated, several syenitized fractures.   |                            |              |
| 325.0 369.0          | Grey ultramafic carbonate.   |                            |              |
|                      | 365.0-369.0, broken up, several reddish fractures, gougy, rusty.   |                            |              |
| 369.0 422.5          | Mudstone, less than 1% pyrite, low to no chert, dark, shaly.   |                            |              |
|                      |  | 1540 368.0 373.0           | 0.002        |
|                      |  | 1541 373.0 378.0           | 0.002        |
|                      |  | 1542 378.0 383.0           | NIL          |
|                      |  | 1543 383.0 388.0           | 0.002        |
|                      |  | 1544 388.0 393.0           | NIL          |
|                      |  | 1545 393.0 398.0           | NIL          |
|                      |  | 1546 398.0 403.0           | NIL          |
|                      |  | 1547 403.0 408.0           | NIL          |
|                      |  | 1548 408.0 413.0           | 0.002        |
|                      |  | 1549 413.0 418.0           | 0.002        |
|                      |  | 1550 418.0 420.0           | NIL          |
|                      |  | 1551 420.0 423.5           | NIL          |
| 422.5 437.5          | Buff carbonate, 60-70% grey carbonate, locally almost a grey carbonate   |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project:

Project No:

Hole No. OM 83-55  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
|                      | mudstone.   |                  |             |              |
| 437.5 463.5          | Mudstone, less than 1% pyrite, low to no chert, dark, shaly, locally red alteration on fractures, at places highly cherty with little pyrite.                           | 1552             | 437.5 440.5 | 0.02         |
|                      |   | 1553             | 440.5 443.5 | 0.005        |
|                      |   | 1554             | 443.5 446.5 | 0.002        |
|                      |   | 1555             | 446.5 448.5 | 0.01         |
|                      |   | 1556             | 448.5 450.5 | 0.02         |
|                      |   | 1557             | 450.5 452.5 | 0.02         |
|                      |   | 1558             | 452.5 455.5 | 0.002        |
|                      |   | 1559             | 455.5 458.5 | NIL          |
|                      |   | 1560             | 458.5 463.5 | NIL          |
| 463.5 482.0          | Dull green carbonate, increasingly cherty towards 482.0   | 1877             | 479.0 482.0 | 0.01         |
| 482.0 510.5          | Grey mica shale, well laminated with 30% grey carbonate laminae.<br>482.0-484.0, weak red alteration, 3-5% pyrite, cherty.  | 1876             | 482.0 485.0 | 0.17         |
| 510.5 520.5          | Cherty mudstone with 3-5% pyrite.   | 1561             | 510.5 515.5 | 0.02         |
|                      |   | 1562             | 515.5 520.5 | 0.04         |
| 520.5 547.0          | Buff carbonate, 30-40% grey carbonate.  |                  |             |              |
| 547.0 604.5          | Dull green carbonate, 30-40% grey carbonate, minor quartz.  |                  |             |              |
| 604.5 619.0          | Buff ultramafic carbonate grading into:   |                  |             |              |
| 619.0 689.0          | Ultramafic, 30-50% white carbonate.   |                  |             |              |
| 689.0 741.0          | Dull to locally brilliant green carbonate, 10% grey carbonate, 10-20% white quartz. Locally ultramafic.   |                  |             |              |
| 741.0 746.0          | Grey ultramafic carbonate.  |                  |             |              |
| 746.0 873.0          | Tholeiitic tuff, minor ultramafic material.<br>754.5-757.3, cherty, 3-5% pyrite.  | 1563             | 754.5 757.8 | 0.02         |
|                      | Sharp contact at 746.0.<br>757.0 on, green tuff, lineated 45° to core axis.   |                  |             |              |
| 873.0 940.0          | Grading into a grey-buff carbonate.<br>880.5-920.0, highly broken up, gougy locally, contorted, major fault.<br>920.0-940.0, intensity of faulting decreases gradually. |                  |             |              |
| 940.0 967.0          | Buff carbonate, looks sandy. Large well-rounded fragments of buff carbonate in a green mica-rich matrix, matrix poor. Very odd carbonate.                               |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-55  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

967.0            End of hole.

NO AVERAGE.

Dec. 19/83.

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-56                             |
| Location: Omega Group                                | Date Started: Sep. 22/83                      |
| Level: Surface                                       | Date Finished: Sep. 26/83                     |
| Bearing: 329°  | Logged by: Guy Hinse                          |
| Inclination: -77°                                    | Signed: _____                                 |
| Total Depth: 621,0'                                  | Core Saved or Discarded: Stored at Omega Mine |
| Location of Collar: 1100E, 650N                      | Casing Pulled: (X) or Left: ( )               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Project: 1022                                 |
|  | Acid Tests:                                   |
|  | At: 620 -70°                                  |
|  | At:   |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 31.0             | Casing.  |                            |              |
| 31.0 72.0            | Looks like an ultramafic conglomerate, though clasts could be caused by tectonic breccia. Locally syenitized. No definite foreign clasts.                            |                            |              |
| 72.0 80.0            | Syenite, sharp upper and lower contact at 30° to core axis, medium grey, looks like an altered sandstone.  |                            |              |
| 80.0 102.0           | As 31.0 to 72.0, but few chert and carbonate clasts towards end of section.  |                            |              |
| 102.0 118.5          | Beach conglomerate, above grading into a green mica matrix beach conglomerate with highly stretched carbonate clasts. Minor green mica shards toward end of section. |                            |              |
|                      | 112.0-114.5, buff sandstone, few green mica shards.  |                            |              |
| 118.5 123.5          | Green-grey carbonate, possible buff clast at 121.5, conglomerate?  |                            |              |
| 123.5 128.5          | Massive buff carbonate.  |                            |              |
| 128.5 132.5          | Above grading into buff shale at 132.5.<br>Note: buff carbonate grading into buff mica shale. 123.5-132.5, top down hole.  |                            |              |
| 132.5 177.0          | Grey-green carbonate, grey carbonate and green mica, up to 10% quartz.   |                            |              |
|                      | 158.0-164.5, 3-5% fine disseminated pyrite, muddy.   | 1564 158.0 163.0           | 0.01         |
|                      | 164.5-172.0, silicified, 20-30% quartz breccia in low pink-brownish syenitized rock with 3-5% pyrite. (No. 14 zone)  | 1565 163.0 166.0           | 0.01         |
|                      |  | 1566 166.0 169.0           | 0.002        |
|                      |  | 1567 169.0 172.0           | 0.002        |
|                      | 172.0-177.0, grey carbonate and buff shaly material, less than 10% quartz, minor pyrite.   | 1568 172.0 177.0           | 0.002        |
| 177.0 207.0          | Grey carbonate, minor quartz.  |                            |              |
| 207.0 271.0          | Ultramafic conglomerate in a white carbonate-rich matrix.  |                            |              |
| 271.0 276.0          | Green mica shale, weakly brecciated, up to 10% quartz.   |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-56  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton       |
|----------------------|---|------------------|-------------|--------------------|
| 276.0 293.0          | Buff sandstone.   |                  |             |                    |
|                      | 282.0, 6 inches small 1 mm concretions with bleached rims.  |                  |             |                    |
| 293.0 311.0          | Grey-green carbonate, up to 10% white quartz.   | 1569             | 307.0 310.0 | 0.002              |
|                      |   | 1570             | 310.0 313.0 | 0.01               |
| 311.0 321.0          | Mudstone, cherty, brecciated, up to 10-20% quartz, 3-5% pyrite.                                       | 1571             | 313.0 316.0 | 0.005              |
|                      |   | 1572             | 316.0 318.0 | 0.01               |
|                      |   | 1573             | 318.0 321.0 | 0.01               |
| 321.0 330.0          | Brownish-pink syenitized, highly silicified, less than 10% quartz, 3-5% pyrite.                       | 1574             | 321.0 324.0 | 0.005              |
|                      |   | 1575             | 324.0 327.0 | 0.002              |
|                      |   | 1576             | 327.0 330.5 | 0.002              |
| 330.0 359.0          | Mostly muddy and mica shale-rich carbonate with short sections of mineralized mudstone and, or chert. | 1577             | 330.5 335.5 | 0.002              |
|                      |   | 1578             | 335.5 340.5 | 0.02               |
|                      |   | 1579             | 340.5 345.5 | 0.002              |
|                      |   | 1580             | 345.5 350.5 | NIL                |
|                      |   | 1581             | 350.5 355.0 | 0.002              |
|                      |   | 1582             | 355.0 359.5 | 0.002              |
| 359.0 364.0          | Grey-green grading to buff ultramafic carbonate at 362.0.   |                  |             |                    |
| 364.0 402.0          | Ultramafic, 30-40% white carbonate, minor quartz.   |                  |             |                    |
|                      | 383.0-384.0, 386.5-389.0, white quartz.   |                  |             |                    |
|                      | 379.0, 2 inches fault breccia and gouge.  |                  |             |                    |
| 402.0 450.0          | Buff carbonate, 10-20% quartz.  |                  |             |                    |
|                      | 449.0-450.0, fragment of green and buff carbonate, highly brecciated, recrystallized.                 |                  |             |                    |
| 450.0 459.5          | Grey-green carbonate, dull, less than 10% quartz.   | 1583             | 453.0 457.0 | NIL                |
|                      |   | 1584             | 457.0 462.0 | 0.002              |
| 459.5 484.0          | Shaly graphitic mudstone, locally cherty with 1-2% pyrite.  | 1585             | 462.0 465.0 | NIL                |
|                      |   | 1586             | 465.0 468.0 | 0.002              |
|                      |   | 1587             | 468.0 472.0 | 0.005              |
|                      |   | 1588             | 472.0 475.0 | 0.002 <sup>2</sup> |
|                      |   | 1589             | 475.0 478.0 | 0.002              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-56  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 1590             | 478.0 481.0 | 0.002        |
|                      |  | 1591             | 481.0 484.0 | 0.002        |
| 484.0 494.0          | Dull grey green carbonate changing into buff at 489.0.   |                  |             |              |
| 494.0 507.0          | Shaly mudstone, locally cherty with 1-2% pyrite.   |                  |             |              |
|                      |  | 1592             | 494.0 497.0 | 0.002        |
|                      |  | 1593             | 497.0 500.0 | 0.002        |
|                      |  | 1594             | 500.0 507.0 | 0.005        |
| 507.0 516.5          | Dull grey green carbonate.   |                  |             |              |
| 516.5 535.0          | Buff carbonate, mica shale-rich, 20-30% grey carbonate irregular veinlets predominantly at 45° to core axis.                             |                  |             |              |
| 535.0 547.0          | Pyritized mudstone, cherty, up to 10% pyrite locally. Graphitic shale at 545.0.  |                  |             |              |
|                      |  | 1595             | 535.0 538.0 | 0.005        |
|                      |  | 1596             | 538.0 541.0 | NIL          |
|                      |  | 1597             | 541.0 544.0 | 0.002        |
|                      |  | 1598             | 544.0 547.0 | 0.002        |
| 547.0 555.0          | Dull green carbonate.  |                  |             |              |
| 555.0 567.0          | Green carbonate with peculiar texture.   |                  |             |              |
| 567.0 586.0          | Dull green carbonate, 20% grey carbonate, mica shale rich.   |                  |             |              |
| 586.0 596.0          | Buff carbonate, mica shale rich, 10% grey carbonate. Last foot has texture like from 555.0 to 567.0. Looks like graded bedding at 596.0. |                  |             |              |
| 596.0 621.0          | Dull green carbonate, mica shale rich, 30-50% grey carbonate, 10-20% white quartz, brecciated.   |                  |             |              |
|                      | At 606.0, 1.5 feet of slightly brecciated white quartz with 1% disseminated pyrite.  |                  |             |              |
| 621.0                | End of hole.   |                  |             |              |

NO AVERAGE

Dec. 19, 1983.

Good basal sedimentary section in this hole.

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-57                             |
| Location: Omega Group                                | Date Started: Sept. 27/83                     |
| Level: Surface                                       | Date Finished: Sept. 29/83                    |
| Bearing: 329°  | Logged by: Glenn Kasner Signed: _____         |
| Inclination: <del>46°</del> 46°                      | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 345.0'                                  | Casing Pulled: (X) or Left: ( ) Acid Tests:   |
| Location of Collar: 400E, 200N                       | Project: 1022 At: Collar -48°                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: No test taken.                            |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 47.0             | Casing   |                            |              |
| 47.0 229.0           | Diorite, medium grained, medium grey-green, 60-70% feldspar in a chlorite-hornblende matrix, massive.<br><br>90.5-92.0, red altered with low local red alteration thereafter.<br><br>127.5-129.0, highly chloritized, broken up, sheared 45° to core axis, fault.<br><br>176.0-187.0, tectonic breccia, well-rounded fragments up to 2 cm in a recemented chloritic matrix, fault.<br><br>187.0, weakly sheared diorite, 30° to core axis.<br><br>215.0-223.0, moderately broken up, 10-20% quartz veining, zone rusty slips. Section 187.0 to 229.0 outside contact of diorite or could be a recrystallized sediment? |                            |              |
| 229.0 257.0          | Micro-conglomerate to sandstone, looks like a partially digested conglomerate, recrystallized.   |                            |              |
| 257.0 300.0          | Looks like a recrystallized carbonate sandstone. Well laminated at 60° to core axis.<br><br>Last 20.0 feet, looks more like a sandstone.<br><br>297.0-298.5, rusty slip parallel to core.  |                            |              |
| 300.0 324.5          | Tuff, green tuff with 10-20% brownish feldspar and quartz along laminae, up to ½ inch wide.  |                            |              |
| 324.5 335.0          | Lamprophyre, sharp upper and lower contact.  |                            |              |
| 335.0 345.0          | Tuff as above, but no laminae, bedded at 70° to core axis.   |                            |              |
| 345.0                | End of hole.<br><br>NO SAMPLE TAKEN.   |                            |              |

Dec. 19, 1983.



DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-58                             |
| Location: Omega Group                                | Date Started: Sept. 29, 1983                  |
| Level: Surface                                       | Date Finished: Oct. 3, 1983                   |
| Bearing: 329°  | Logged by: Glenn Kasner                       |
| Inclination: -71°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 605.0'                                  | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 1300E, 700N                      | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Acid Tests:                                   |
|  | At: Collar -71°                               |
|  | At: 597 -63°                                  |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 22.0             | Casing  |                  |             |              |
| 22.0 142.0           | Ultramafic, less than 10% white carbonate, could be a conglomerate?<br>100.0, increases in white carbonate to 20-30%.<br>Last five feet, increase in carbonate content. |                  |             |              |
| 142.0 191.0          | Buff carbonate, sharp contact with above, 5-10% white quartz.<br>163.0, 4 inches albite dike, 45° to core axis.   |                  |             |              |
| 191.0 214.0          | Dull green carbonate, changing at 214.0 into an ultramafic.   |                  |             |              |
| 214.0 266.0          | Grey ultramafic carbonate, brecciated, containing short sections of massive buff carbonate.   |                  |             |              |
| 266.0 323.0          | Highly cherty grey mudstone, 3-5% pyrite to graphite shale with minor carbonate.  |                  |             |              |
|                      |   | 1201             | 266.0 268.0 | 0.02         |
|                      |   | 1202             | 268.0 271.0 | 0.002        |
|                      |   | 1203             | 271.0 274.0 | 0.002        |
|                      |   | 1204             | 274.0 277.0 | NIL          |
|                      | Highly cherty brecciated grey mudstone, 30% pyrite.   | 1205             | 277.0 280.0 | 0.005        |
|                      | Grey homogeneous mudstone, locally contorted.   | 1206             | 280.0 283.0 | 0.005        |
|                      | Grey homogeneous mudstone, very contorted.  | 1207             | 283.0 286.0 | 0.002        |
|                      | Grey homogeneous mudstone, very contorted.  | 1208             | 286.0 289.0 | 0.005        |
|                      | Grey homogeneous mudstone, becoming very graphitic.   | 1209             | 289.0 292.0 | 0.002        |
|                      | Last 10' of section (20%).<br>Graphitic shale, somewhat contorted, 15% pyrite.  | 1210             | 292.0 294.5 | 0.005        |
|                      |   | 1211             | 294.5 297.0 | 0.005        |
|                      | Grey green brecciated mudstone with 15% pyrite.   | 1212             | 297.0 300.0 | 0.01         |
|                      | 10% Chert fragments.  | 1213             | 300.0 303.0 | 0.005        |
|                      | Grey homogeneous mudstone with 5% pyrite.   | 1214             | 303.0 306.0 | 0.005        |
|                      | Grey green mudstone 3% pyrite.  | 1215             | 306.0 309.0 | 0.01         |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-58  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 1216             | 309.0 312.0 | 0.002        |
|                      | Grey green mudstone 10% pyrite, hematized last foot.   | 1217             | 312.0 314.5 | 0.005        |
|                      | Green grey carbonate containing sections of grey mudstone, bedding at 50% to core axis. Locally brecciated, locally contorted. | 1218             | 314.5 319.5 | 0.005        |
|                      |  | 1219             | 319.5 324.5 | 0.005        |
| 323.0 340.0          | Grey-buff mica shale grading into a grey well laminated chert.<br>338.5-340.0, white quartz and talcy fragments.               |                  |             |              |
| 340.0 357.5          | Grey carbonate ultramafic.   |                  |             |              |
| 357.5 361.5          | Buff carbonate.  |                  |             |              |
| 361.5 403.5          | Buff and grey carbonate, cherty, locally with 10% pyrite.<br>Less than 1% pyrite.<br>Locally 2% pyrite - medium chert.         | 1220             | 361.2 364.0 | 0.002        |
|                      |  | 1221             | 364.0 369.0 | 0.005        |
|                      |  | 1222             | 369.0 374.0 | 0.002        |
|                      |  | 1223             | 374.0 379.0 | NIL          |
|                      |  | 1224             | 379.0 384.0 | 0.002        |
|                      |  | 1225             | 384.0 389.0 | 0.002        |
|                      |  | 1226             | 389.0 392.0 | 0.015        |
|                      | Pyrite 3%.   | 1227             | 392.0 395.0 | 0.01         |
|                      |  | 1228             | 395.0 398.0 | 0.04         |
|                      | Grey mudstone becoming hematized and brecciated up to 15% pyrite<br>last 1-3' brecciated and graphitic.                        | 1229             | 398.0 400.0 | 0.02         |
|                      |  | 1230             | 400.0 402.0 | 0.08         |
|                      |  | 1231             | 402.0 403.3 | 0.05         |
|                      | 402.0-403.0, graphitic.  |                  |             |              |
| 403.5 417.5          | Dull green carbonate.  | 1232             | 403.3 405.5 | 0.01         |
| 417.5 431.0          | Buff carbonate, 50-60% grey carbonate.   |                  |             |              |
| 431.0 443.0          | Dull green carbonate.  |                  |             |              |
| 443.0 484.0          | Buff carbonate, 20-30% grey carbonate.   |                  |             |              |
| 484.0 507.0          | Grey ultramafic carbonate.   |                  |             |              |
| 507.0 576.0          | Ultramafic, 30-60% white carbonate, 10-20% white quartz.   |                  |             |              |
| 576.0 605.0          | Grey ultramafic carbonate.   |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-58  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

592.0-605.0, section contains many deformed chert fragments and undeformed grey chert grading into a buff carbonate containing chert fragments. Much similar to section from 266.0 to 323.0.

605.0 End of hole.

AVERAGE:

400.0 to 403.3, 0.068 over 3.3 feet.

Dec. 19, 1983.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group  
 Level: Surface  
 Bearing: 329°  
 Inclination: -45°46'  
 Total Depth: 577.0'  
 Location of Collar: 1200E, BL  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

Date Started: Oct. 2/83  
 Date Finished: Oct. 6/83  
 Logged by: ~~Glenn Karner~~ G. H. HINSE  
 Core Saved or Discarded: Stored at Omega Mine  
 Casing Pulled: (X) or Left: ( )  
 Project: 1022

Hole No. OM 83-59  
 Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests:  
 At: Collar -46°  
 At: 437' -43°

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 62.0             | Casing  |                            |              |
| 62.0 74.0            | Conglomerate, 10-20% feldspatic white well-rounded clasts up to 3 cm in a green volcanic matrix.  |                            |              |
| 74.0 104.0           | Ultramafic conglomerate, sharp contact with above, as above in a talcy matrix.  |                            |              |
| 104.0 112.0          | Lamprophyre - biotite carbonate, white, sharp upper and lower contact at 60 and 80° to core axis.   |                            |              |
| 112.0 153.0          | As 74.0 to 104.0, contains narrow sections of sandstone with mud shards. In sandstone, good top down hole at 146.0.   |                            |              |
| 153.0 164.0          | Lamprophyre, biotite, carbonate, massive, locally 10% pyrite.   |                            |              |
| 164.0 182.0          | Ultramafic conglomerate, moderately sheared, clasts are highly stretched, largest 1 cm across.  |                            |              |
| 182.0 186.0          | Lamprophyre.  |                            |              |
| 186.0 197.0          | Ultramafic conglomerate as 164.0 to 182.0, no feldspathic clasts as above, mainly green highly stretched clasts in a 40% white carbonate-rich matrix.   |                            |              |
| 197.0 204.0          | Green and buff beach conglomerate and mudstone. Few stretched buff carbonate clasts. Top at 199.0 down hole.  |                            |              |
| 204.0 221.5          | Buff carbonate, 10-20% grey carbonate and white quartz, mica shale-rich.  |                            |              |
|                      | 211.0-216.5, cherty with one percent pyrite.  |                            |              |
|                      |   | 1233 211.0 215.0           | 0.005        |
|                      |   | 1234 215.0 218.0           | 0.005        |
|                      |   | 1235 218.0 221.5           | 0.01         |
| 221.5 224.0          | Duff green carbonate.   | 1874 238.0 241.7           | 0.02         |
|                      |   | 1875 241.7 245.5           | 0.05         |
|                      |   | 1878 245.5 250.5           | 0.005        |
| 224.0 241.7          | Grey sandy and silty laminae alternating with dark argillaceous laminae, weakly contorted to well laminated. 1-2% pyrite locally. Good top at 234.0 up hole. Some of the sandy layers could be cross-laminated. |                            |              |
| 241.7 275.0          | Dull green carbonate, 30% quartz, almost brilliant, 3-5% pyrite, locally grading to more massive dull green carbonate, brecciated locally, cherty.  |                            |              |
| 275.0 277.0          | Buff carbonate, mica shale-rich.  |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-59  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number           | Au<br>oz/ton |
|----------------------|---|--------------------------------------|--------------|
| 277.0 294.0          | Green carbonate breccia over 4 feet grading into at 283.0 grey ultramafic carbonate, 30-50% white quartz.   |                                      |              |
| 294.0 433.0          | Ultramafic, 20% white carbonate.<br><br>At 350.0, black fragments in less than 10% interstitial white carbonate, looks conglomeratic.                       |                                      |              |
| 433.0 438.0          | Grey green ultramafic carbonate with 10-20% quartz.   |                                      |              |
| 438.0 449.0          | Ultramafic, 30-40% white carbonate and quartz.  |                                      |              |
| 449.0 465.0          | Grey to dark shale and buff carbonate, alternating laminae.<br><br>441.0-453.0, several rusty slips, broken, brecciated, fault.                             | 1236 449.0 451.0<br>1237 451.0 455.0 | NIL<br>0.005 |
| 465.0 472.5          | Dull green carbonate.   |                                      |              |
| 472.5 474.5          | Buff carbonate.   |                                      |              |
| 474.5 523.0          | Beach conglomerate and sandstone, varying from volcanic-rich to green mica rich.<br><br>509.0, 4 inches rusty, pitted.                                      |                                      |              |
| 523.0 563.0          | Ultramafic conglomerate, few chert, felsite up to 20 cm, average 3 cm, many ultramafic and derivatives in an ultramafic matrix, sandy locally, matrix poor. |                                      |              |
| 563.0 573.0          | Grading into a beach conglomerate, green mica-rich matrix.  |                                      |              |
| 573.0 577.0          | Buff carbonate.   |                                      |              |
| 577.0                | End of hole.  |                                      |              |
|                      | NO AVERAGE  |                                      |              |

Dec. 19, 1983.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group  
 Level: Surface  
 Bearing: New Grid North  
 Inclination: -45°  
 Total Depth: 79.0 feet  
 Location of Collar: 0+47W, 0+58N?  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

Date Started: Nov. 08/83  
 Date Finished: Nov. 10/83  
 Logged by: Guy Hinse  
 Core Saved or Discarded: Stored at Omega Mine  
 Casing Pulled: (X) or Left: ( )  
 Project: 1022

Hole No. OM 83-60  
 Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests:  
 At: 79' -43°  
 At: \_\_\_\_\_

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

0.0 31.0 Casing

31.0 49.0 Green carbonate, dull, laminated to weakly brecciated at 70° to core axis, 10 to 30% white quartz veining, barren.

49.0 79.0 Ore zone, up to 10-20% fine disseminated pyrite and minor arsenopyrite in a highly cherty, mudstone, low grey. Brecciated. Locally speckled with fine feldspar. Contains one narrow tuff unit at 68.0 to 69.5.

Brecciated, 80% quartz, barren 1252 49.0 52.0 0.005

Siliceous green carbonate, highly brecciated, 80% quartz, barren. 1253 52.0 54.0 0.01

Grey cherty mudstone, siliceous, 80% quartz, up to 15% pyrite.

|      |      |      |       |      |
|------|------|------|-------|------|
| 1254 | 54.0 | 57.0 | 0.20  | 3.0' |
| 1255 | 57.0 | 60.0 | 0.08  | 3.0' |
| 1256 | 60.0 | 63.0 | 0.06  | 3.0' |
| 1257 | 63.0 | 66.0 | 0.06  | 3.0' |
| 1258 | 66.0 | 70.0 | 0.04  | 4.0' |
| 1259 | 70.0 | 73.0 | 0.245 | 3.0' |
| 1260 | 73.0 | 76.0 | 0.05  | 3.0' |
| 1261 | 76.0 | 79.0 | 0.30  | 3.0' |

Broke into stope at 79.0, footwall of stope at 82.3 feet.

79.0 End of hole.

66.0 feet east of center line of No. 2 shaft.  
 Location as per west pillar grid.

AVERAGE:

54.0 to 79.0, 0.126 over 25.0 feet.

Dec. 19, 1983.

*Handwritten:*  
 54.0-79.0  
 25.0 .126  
 70.0-79.0  
 9.0 .198

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-61                             |
| Location: Omega Group                                | Date Started: Nov. 10/83                      |
| Level: Surface                                       | Date Finished: Nov. 12/83                     |
| Bearing: New Grid North                              | Logged by: Guy Hinse                          |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 132.0 feet                              | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 0+95W, 0+65S                     | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: 130' -41°                                 |

Signed: \_\_\_\_\_  
 Acid Tests:  
 At: \_\_\_\_\_

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|---|------------------|-----------|--------------|
| 0.0 29.5             | Casing  |                  |           |              |
| 29.5 46.0            | Dull green carbonate, laminated to weakly brecciated, 80° to core axis. 10-20% white quartz veining, barren.                                | 1299             | 43.0 46.0 |              |
| 46.0 60.0            | Ore zone, highly cherty grey mudstone, 10-40% white quartz veining, 10-20% very fine disseminated pyrite and arsenopyrite. Up to 15% pyrite | 1279             | 46.0 49.0 | 0.01         |
|                      |   | 1280             | 49.0 52.0 | 0.055 3.0'   |
|                      |   | 1281             | 52.0 55.0 | 0.10 3.0'    |
|                      |   | 1282             | 55.0 58.0 | 0.08 3.0'    |
|                      |   | 1283             | 58.0 60.2 | 0.145 2.2'   |
| 60.0 65.0            | Tuffaceous, grey to green, barren, speckled with fine feldspar.   | 1284             | 60.2 65.2 | 0.002        |
| 65.0 89.5            | Ore zone as above, intermixed with tuffaceous units, 70° to core axis.  | 1285             | 65.2 67.2 | 0.12         |
|                      |   | 1286             | 67.2 70.7 | 0.04         |
|                      |   | 1287             | 70.7 73.8 | 0.002        |
|                      |   | 1288             | 73.8 77.0 | 0.25         |
|                      |   | 1289             | 77.0 80.0 | 0.05         |
|                      |   | 1290             | 80.0 83.5 | 0.20         |
|                      |   | 1291             | 83.5 86.5 | 0.17         |
|                      |   | 1292             | 86.5 89.5 | 0.21         |
|                      |   | 1293             | 89.5 94.5 | 0.01         |
|                      |   | 1294             | 94.5 97.2 | 0.002        |
| 89.5 97.0            | Buff carbonate, highly siliceous.   |                  |           |              |
| 97.0 107.0           | Graphitic selrist almost completely hematized, 60-80° to core axis, traces of pyrite in nodules.  |                  |           |              |
| 107.0 132.0          | Grey carbonated black shale, well laminated at 60° to core axis, barren. 113.0 top down hole by grain gradation.                            |                  |           |              |
| 132.0                | End of hole.  |                  |           |              |

*Handwritten notes:*  
 49.0-60.2  
 11.2 0.091  
 52.0-60.2  
 8.2' 0.105

AVERAGES:

49.0 to 60.2, 0.091 over 11.2 feet.

52.0 to 60.2, 0.11 over 8.2 feet.

Hole drilled 20 feet east of center line of No. 2 shaft.

Dec. 19, 1983.

11-11...25

DIAMOND DRILL LOG

|  |   |                   |
|--|---|-------------------|
| Company: Lenora Exploration Limited                  | Date Started: Nov. 12/83                      | Hole No. OM 83-62 |
| Location: Omega Group                                | Date Finished: Nov. 14/83                     | Page No. 1        |
| Level: Surface                                       | Logged by: Guy Hinse                          | Signed: _____     |
| Bearing: New Grid North                              | Core Saved or Discarded: Stored at Omega Mine | Core Size: BQ     |
| Inclination: -45°                                    | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Total Depth: 141.0'                                  | Project: 1022                                 | At: NO TEST TAKEN |
| Location of Collar: 1+50W, 0+69S                     |   | At:               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   |                   |

| Footage From - To | Geological & Physical Description   | Sample Number | From - To   | Au oz/ton  |
|-------------------|---|---------------|-------------|------------|
| 0.0 23.0          | Casing.   |               |             |            |
| 23.0 36.5         | Grey ultramafic carbonate grading into buff ultramafic carbonate at 33.0, grading into green carbonate at 33.5.                                       | 1295          | 33.5 36.5   | 0.002      |
| 36.5 42.5         | Highly cherty mudstone, 5-10% pyrite, brecciated with 10-15% quartz matrix.   | 1296          | 36.5 39.5   | 0.07       |
|                   |   | 1297          | 39.5 42.5   | 0.08       |
| 42.5 52.0         | Tuffaceous mudstone, barren.  | 1298          | 42.5 49.0   | 0.005      |
|                   |   | 1300          | 49.0 54.0   | 0.03       |
| 52.0 76.0         | Highly cherty mudstone as before, containing narrow tufaceous sections. 52.0-54.0, 56.0-57.0, highly rusty and oxidized.                              | 1701          | 54.0 57.0   | 0.15 3.0'  |
|                   |   | 1702          | 57.0 60.0   | 0.10 3.0'  |
|                   |   | 1703          | 60.0 63.0   | 0.105 3.0' |
|                   |   | 1704          | 63.0 66.0   | 0.08 3.0'  |
|                   |   | 1705          | 66.0 70.0   | 0.09 4.0'  |
|                   |   | 1706          | 70.0 75.0   | 0.03 5.0'  |
|                   |   | 1707          | 75.0 76.0   | 0.275 1.0' |
|                   | 76.0-83.0, underground stope  |               |             |            |
| 83.0 93.0         | Dull buff carbonate, grading into a grey buff shale at 89.0.  | 1708          | 83.0 87.0   | 0.11 4.0'  |
|                   |   | 1709          | 87.0 93.5   | 0.005      |
| 93.0 97.5         | Graphite shale, slightly syenitized.  | 1710          | 93.5 96.5   | 0.005      |
| 97.5 119.0        | Grey carbonate, mica shale rich, containing short sections of graphite shale at 107.0, 112.0, 116.0, 117.0 and short sections of pyritized red shale. | 1711          | 96.5 99.5   | 0.002      |
|                   |   | 1712          | 99.5 103.0  | 0.002      |
|                   |   | 1713          | 103.0 106.0 | 0.002      |
|                   |   | 1714          | 106.0 108.2 | 0.002      |
|                   |   | 1715          | 108.2 113.2 | NIL        |
|                   |   | 1716          | 113.2 118.2 | 0.002      |
|                   |   | 1717          | 118.2 121.2 | 0.002      |
| 119.0 141.0       | Dull grey buff carbonate, shaly, containing short sections of pyritized mudstone, locally reddish.  |               |             |            |

54.0-63.0  
9.0' .118

75.0-87.0  
12.0' .143  
ASSUMING  
AVGE FOR  
STOPE

54.0-87.0  
33.0 .097  
ASSUMING  
FOR  
STOPE

54.0-87.0  
33.0 .077  
ASSUMING  
STOPE AT  
D



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-62  
Page No. 2

| Footage<br>From - To | Geological & Physical Description | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|-----------------------------------|------------------|-----------|--------------|
|----------------------|-----------------------------------|------------------|-----------|--------------|

|      |       |       |       |     |
|------|-------|-------|-------|-----|
| 1718 | 121.2 | 124.2 | 0.07  | 3.0 |
| 1719 | 124.2 | 127.2 | 0.02  | 3.0 |
| 1720 | 127.2 | 130.2 | 0.005 | 3.0 |
| 1721 | 130.2 | 134.2 | 0.02  | 4.0 |
| 1722 | 134.2 | 138.2 | 0.005 | 4.0 |
| 1723 | 138.2 | 141.0 | 0.02  | 2.8 |

141.0 End of hole.

AVERAGES:  
54.0 to 87.0, 0.097 over 33.0 feet.

Dec. 19, 1983.

*No. 2 ZONE  
121.2 - 141.0  
19.8 : 022*

DIAMOND DRILL LOG

|  |   |                   |
|--|---|-------------------|
| Company: Lenora Exploration Limited                  | Date Started: Nov. 14/83                      | Hole No. OM 83-63 |
| Location: Omega Group                                | Date Finished: Nov. 15/83                     | Page No. 1        |
| Level: Surface                                       | Logged by: Guy Hinse                          | Core Size: BQ     |
| Bearing: Grid North                                  | Signed: _____                                 |                   |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |                   |
| Total Depth: 140.0'                                  | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Location of Collar: 2+00W, 0+60S                     | Project: 1022                                 | At: NO TEST TAKEN |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   | At:               |

| Footage From - To | Geological & Physical Description  | Sample Number | From - To   | Au oz/ton |
|-------------------|--|---------------|-------------|-----------|
| 0.0 24.0          | Casing.  |               |             |           |
| 24.0 32.0         | Highly cherty and pyritized mudstone, 5-20% fine disseminated pyrite, brecciated with 10-30% quartz.               | 1724          | 24.3 26.5   | 0.005     |
|                   |  | 1725          | 26.5 29.5   | 0.10      |
|                   |  | 1726          | 29.5 31.5   | 0.06      |
| 32.0 47.5         | Tuffaceous mudstone.   | 1727          | 31.5 36.5   | 0.06      |
|                   |  | 1728          | 36.5 41.5   | 0.002     |
|                   |  | 1729          | 41.5 47.8   | 0.015     |
| 47.5 50.5         | Mineralized mudstone.  | 1730          | 47.8 50.8   | 0.14 3.0  |
| 50.5 53.0         | Tuff.  | 1731          | 50.8 53.8   | 0.06 3.0  |
| 53.0 54.5         | Mineralized mudstone.  | 1732          | 53.8 56.8   | 0.04 3.0  |
| 54.5 74.0         | Tuff, tholeiitic, few short sections of mineralized mudstone.  | 1733          | 56.8 59.1   | 0.185 2.3 |
| 74.0 80.0         | Buff mica shale, less than 10% grey carbonate.   | 1734          | 74.0 77.0   | 0.14      |
|                   |  | 1735          | 77.0 80.4   | 0.002     |
| 80.0 84.5         | Graphite shale.  | 1736          | 80.4 85.4   | 0.02      |
| 84.5 116.0        | Alternating sections of mica shale and dull grey buff carbonate and short mineralized mudstone with 10-15% pyrite. | 1737          | 85.4 88.4   | 0.002     |
|                   |  | 1738          | 88.4 91.4   | 0.005     |
|                   |  | 1739          | 91.4 94.4   | 0.02 3.0  |
|                   |  | 1740          | 94.4 97.4   | 0.02 3.0  |
|                   |  | 1741          | 97.4 100.4  | 0.08 3.0  |
|                   |  | 1742          | 100.4 103.4 | 0.07 3.0  |
|                   |  | 1743          | 103.4 106.4 | 0.02 3.0  |
|                   |  | 1744          | 106.4 109.4 | 0.085 3.0 |
|                   |  | 1745          | 109.4 112.4 | 0.06 3.0  |
|                   |  | 1746          | 112.4 115.4 | 0.005 3.0 |
| 116.0 130.0       | Pyritized mudstone, low chert, well laminated.   | 1747          | 115.4 118.4 | 0.04 3.0  |
|                   |  | 1748          | 118.4 121.4 | 0.02 3.0  |
|                   |  | 1749          | 121.4 124.4 | 0.155 3.0 |

*47.8-59.1  
11.3 101*

*91.4-129.9  
38.5 052*

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-63  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|-----------------------------------|------------------|-----------|--------------|
|----------------------|-----------------------------------|------------------|-----------|--------------|

|      |       |       |      |            |
|------|-------|-------|------|------------|
| 1750 | 124.4 | 127.4 | 0.06 | 3.0        |
| 1751 | 127.4 | 129.9 | 0.04 | <u>2.5</u> |

130.0 133.5 Black shale, probably graphitic grading into following.

|      |       |       |       |
|------|-------|-------|-------|
| 1752 | 129.9 | 134.9 | 0.002 |
|------|-------|-------|-------|

133.5 137.5 Dull grey buff carbonate.

137.5 140.0 Massive to finely laminated grey carbonate mudstone, few specks of pryite.

140.0 End of hole.

AVERAGES:

47.8 to 59.1, 0.101 over 11.3 feet.

Dec. 20/83.

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-64                             |
| Location: Omega Group                                | Date Started: Nov. 15/83                      |
| Level: Surface                                       | Date Finished: Nov. 16/83                     |
| Bearing: Grid North                                  | Logged by: Guy Hinse                          |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 193.0'                                  | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 250W 057S                        | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: 180' -44°                                 |

Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests:  
 At: \_\_\_\_\_

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 24.0             | Casing.   |                  |             |              |
| 24.0 29.0            | Highly cherty mudstone, 5-15% pyrite, brecciated with 10-20% quartz.  | 1754             | 24.0 29.0   | 0.07         |
| 29.0 72.0            | Tholeiitic tuff, 70-80° to core axis.   |                  |             |              |
| 72.0 74.0            | Grey-buff mica shale, first foot cherty mudstone with 10% pyrite.   | 1755             | 72.0 77.0   | 0.02         |
| 74.0 83.0            | Graphite shale, low reddish grey, well laminated at 45° to core axis.   | 1756             | 77.0 82.6   | 0.002        |
| 83.0 87.0            | Buff-grey mica shale.   | 1757             | 82.6 85.6   | 0.002        |
| 87.0 91.0            | Graphite shale.   | 1758             | 85.6 88.6   | 0.005        |
|                      |   | 1759             | 88.6 91.6   | 0.002        |
| 91.0 131.0           | Tuff, green, tholeiitic, 50° to core axis, increase in chert and pyrite in last 10.0 feet.  | 1760             | 120.3 123.3 | 0.04         |
|                      |   | 1761             | 123.3 127.2 | NIL          |
|                      |   | 1762             | 127.2 131.5 | NIL          |
| 131.0 159.0          | Mudstone, weakly cherty, local hematization, 3-5% pyrite (No.2 zone).<br>141.0-144.0, highly cherty, reddish, brecciated with 10% quartz, 5-10% pyrite. | 1763             | 131.5 134.5 | 0.005        |
|                      |   | 1764             | 134.5 137.5 | 0.05 3.0     |
|                      |   | 1765             | 137.5 140.5 | 0.015 3.0    |
|                      |   | 1766             | 140.5 144.5 | 0.075 4.0    |
|                      |   | 1767             | 144.5 147.5 | 0.005 3.0    |
|                      |   | 1768             | 147.5 150.5 | 0.005 3.0    |
|                      |   | 1769             | 150.5 153.5 | 0.08 3.0     |
|                      |   | 1770             | 153.5 156.5 | 0.03 3.0     |
|                      |   | 1771             | 156.5 159.0 | 0.06 2.5     |
| 159.0 162.0          | Buff carbonate, mica shale-rich, minor grey carbonate.  |                  |             |              |
| 162.0 193.0          | Green tuff containing locally short sections of mudstone and carbonate material.  |                  |             |              |
| 193.0                | End of hole.  |                  |             |              |

134.5-159.0  
 24.5 0.041

DIAMOND DRILL LOG

|  |   |                   |
|--|---|-------------------|
| Company: Lenora Exploration Limited                  | Date Started: Nov. 16/83                      | Hole No. OM 83-65 |
| Location: Omega Group                                | Date Finished: Nov. 18/83                     | Page No. 1        |
| Level: Surface                                       | Logged by: Guy Hinse                          | Signed: _____     |
| Bearing: Grid North                                  | Core Saved or Discarded: Stored at Omega Mine | Core Size: BQ     |
| Inclination: -45°                                    | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Total Depth: 130.0'                                  | Project: 1022                                 | At: 130' -44°     |
| Location of Collar: 0+25E, 0+60S                     |   | At:               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   |                   |

| Footage From - To | Geological & Physical Description  | Sample Number | From - To   | Au oz/ton |
|-------------------|--|---------------|-------------|-----------|
| 0.0 45.0          | Casing   |               |             |           |
| 45.0 51.0         | Ultramafic, less than 10% white carbonate.   |               |             |           |
| 51.0 54.0         | Above grading into a buff carbonate at 54.0.   |               |             |           |
| 54.0 62.5         | Buff carbonate.  | 1772          | 55.5 58.5   | 0.002     |
|                   |  | 1773          | 58.5 61.5   | 0.02      |
| 62.5 90.5         | Highly cherty mudstone, 5-10% pyrite, brecciated with 10% quartz. Locally low to medium hematization.                  | 1774          | 61.5 64.5   | 0.01      |
|                   |  | 1775          | 64.5 67.5   | 0.03      |
|                   |  | 1776          | 67.5 70.5   | 0.12 3.0  |
|                   |  | 1777          | 70.5 73.5   | 0.185 3.0 |
|                   |  | 1778          | 73.5 76.5   | 0.14 3.0  |
|                   |  | 1779          | 76.5 79.5   | 0.09 3.0  |
|                   |  | 1780          | 79.5 84.5   | 0.06 5.0  |
|                   |  | 1781          | 84.5 87.5   | 0.265 3.0 |
|                   |  | 1782          | 87.5 90.2   | 0.07      |
| 90.5 101.0        | Buff grey mica shale.  | 1783          | 90.2 92.2   | 0.06      |
|                   |  | 1784          | 92.2 95.2   | 0.002     |
|                   |  | 1814          | 95.2 100.6  | NIL       |
| 101.0 118.1       | Highly hematized altered mudstone with 5-10% pyrite, low chert content. 113.5-117.1, highly cherty with little pyrite. | 1785          | 100.6 103.6 | 0.10 3.0  |
|                   |  | 1786          | 103.6 106.6 | 0.09 3.0  |
|                   |  | 1787          | 106.6 109.6 | 0.09 3.0  |
|                   |  | 1788          | 109.6 112.6 | 0.09 3.0  |
|                   |  | 1789          | 112.6 115.1 | 0.03      |
|                   |  | 1790          | 115.1 118.1 | 0.002     |
| 118.1 130.0       | Graphite shale   |               |             |           |
| 130.0             | End of hole.   |               |             |           |

67.5-87.5  
20.0' .135

67.5-76.5  
9.0' .148

100.6-112.6  
12.0' .093

AVERAGES: 67.5 to 87.5, 0.135 over 20.0 feet.  
67.5 to 76.5, 0.148 over 9.0 feet.  
100.6 to 112.6, 0.093 over 12.0 feet.

Dec. 20/83.

JH-11...36

0+55W 12+25N

DIAMOND DRILL LOG

|   |   |                   |
|---|---|-------------------|
| Company: Lenora Exploration Limited                       | Date Started: Nov. 18/83                      | Hole No. OM 83-66 |
| Location: Omega Group                                     | Date Finished: Nov. 19/83                     | Page No. 1        |
| Level: Surface  | Logged by: Guy Hinse                          | Core Size: BQ     |
| Bearing: Grid North                                       | Signed: _____                                 |                   |
| Inclination: -45°   | Core Saved or Discarded: Stored at Omega Mine |                   |
| Total Depth: 91.0'  | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Location of Collar: 3+60E, 0+75S, East Pil. Project: 1022 | At: NO TEST TAKEN                             |                   |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario      | At:   |                   |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number   | Au<br>oz/ton   |
|----------------------|---|--|--|
| 0.0 45.0             | Casing.   |  |  |
| 45.0 65.0            | Ultramafic, 10-10% white carbonate.   |  |  |
| 65.0 79.0            | Above grading into a buff carbonate.  |  |  |
| 79.0 81.0            | Highly cherty mudstone, 5-10% pyrite, brecciated with 10-20% quartz.                              | 1791 79.0 81.0   | 0.06   |
| 81.0 83.5            | Tuff.   |  |  |
| 83.5 91.0            | Highly cherty mudstone as above grading into medium hematized mudstone with 5-15% pyrite at 88.0. | 1792 81.0 83.5<br>1793 83.5 86.5<br>1794 86.5 89.5<br>1795 89.5 91.0 | 0.002<br>0.04<br><u>0.457 3.0'</u><br><u>0.14 1.5'</u> |
|                      | Broke into stope at 91.0.   |  |  |
| 91.0                 | End of hole.  |  |  |
|                      | AVERAGES: 86.5 to 91.0, 0.351 over 4.5 feet.  |  |  |

Dec. 20/83.

86.5 - 91.0  
4.5' = .351

2+80E 12+70N  
360' E of No. 1 shaft

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group  
 Level: Surface  
 Bearing: Grid North  
 Inclination: -45°  
 Total Depth: 112.0'  
 Location of Collar: 3+60E, 0+56S  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

Date Started: Nov. 19/83  
 Date Finished: Nov. 21/83  
 Logged by: Guy Hinse  
 Core Saved or Discarded: Stored at Omega Mine  
 Casing Pulled: (X) or Left: ( )  
 Project: 1022

Hole No. OM 83-67  
 Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests:  
 At: NO TEST TAKEN  
 At:

| Footage From - To | Geological & Physical Description   | Sample From - To Number | Au oz/ton |
|-------------------|---|-------------------------|-----------|
| 0.0 43.0          | Casing.   |                         |           |
| 43.0 44.0         | Ultramafic, 30% white carbonate.  |                         |           |
| 44.0 56.0         | Buff carbonate, 30-40% grey carbonate in laminae.   |                         |           |
| 56.0 64.5         | Tuff.   |                         |           |
| 64.5 85.0         | Highly cherty mudstone, 5-10% pyrite, brecciated with 20-40% quartz.<br>74.0-85.0, low to high red hematite alteration, almost no chert, 3-5% pyrite. |                         |           |
|                   |   | 1796 63.5 66.5          | 0.14 3.0  |
|                   |   | 1797 66.5 69.5          | 0.295 3.0 |
|                   |   | 1798 69.5 71.8          | 0.31 2.3  |
|                   |   | 1799 71.8 73.8          | 0.02 2.0  |
|                   |   | 1800 73.8 76.8          | 0.11 3.0  |
|                   |   | 1801 76.8 79.8          | 0.18 3.0  |
|                   |   | 1802 79.8 82.8          | 0.08      |
|                   |   | 1803 82.8 84.8          | 0.08      |
| 85.0 112.0        | Graphite shale.   |                         |           |
| 112.0             | End of hole.  |                         |           |

*63.5-71.8  
8.3 243*

*63.5-79.8  
16.3 180*

AVERAGES: 63.5 to 79.5, 0.180 over 16.3 feet.

Dec. 20/83.

2+80E 12+89N

DIAMOND DRILL LOG

|  |   |                   |
|--|---|-------------------|
| Company: Lenora Exploration Limited                  | Date Started: Nov. 21/83                      | Hole No. OM 83-68 |
| Location: Omega Group                                | Date Finished: Nov. 24/83                     | Page No. 1        |
| Level: Surface                                       | Logged by: Guy Hinse                          | Core Size: BQ     |
| Bearing: Grid North                                  | Signed: _____                                 |                   |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |                   |
| Total Depth: 240.0'                                  | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Location of Collar: 5+65N, 0+60S                     | Project: 1022                                 | At: 217 -43°      |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At:   |                   |

| Footage From - To | Geological & Physical Description   | Sample Number | From - To   | Au oz/ton |
|-------------------|---|---------------|-------------|-----------|
| 0.0 37.0          | Casing  |               |             |           |
| 37.0 60.0         | Graphite shale.   |               |             |           |
| 60.0 95.5         | Grey ultramafic carbonate, locally buff or green.                                       |               |             |           |
| 95.5 107.5        | Buff carbonate, mica shale-rich.  | 1804          | 95.5 98.5   | 0.002     |
|                   |   | 1805          | 98.5 101.5  | 0.002     |
|                   |   | 1806          | 101.5 104.5 | NIL       |
|                   | Highly cherty, brecciated   | 1807          | 104.5 107.5 | NIL       |
| 107.5 111.0       | Highly cherty mudstone, weak hematization, traces of pyrite.                            | 1808          | 107.5 111.5 | 0.005     |
| 111.0 142.0       | Graphite shale, low hematization.<br>117.0-122.0, few short sections of 50% graphite.   | 1809          | 111.5 116.5 | 0.002     |
|                   |   | 1810          | 116.5 119.5 | 0.002     |
|                   |   | 1811          | 119.5 124.0 | 0.002     |
|                   | Cherty, up to 50% pyrite.   | 1812          | 124.0 127.0 | 0.015     |
| 142.0 165.5       | Above grading into a grey mica shale with 10-20% graphite shale material, locally buff. |               |             |           |
| 165.5 167.0       | Tuff.   | 1824          | 163.3 166.5 | 0.002     |
| 167.0 217.5       | Medium cherty mudstone, 3-10% pyrite.<br>185.0 on, pyrite decreases to 1-3%, low chert. | 1825          | 166.5 169.5 | 0.06      |
|                   |   | 1826          | 169.5 172.5 | 0.01      |
|                   |   | 1827          | 172.5 175.5 | 0.01      |
|                   |   | 1828          | 175.5 178.5 | 0.03      |
|                   | Moderate chert, 3-5% pyrite   | 1829          | 178.5 181.5 | 0.005     |
|                   | Moderate chert, 5% pyrite   | 1820          | 181.5 184.5 | 0.005     |
|                   | Moderate chert, 10% pyrite  | 1831          | 184.5 187.5 | 0.13 3.0  |
|                   | High chert, 5% pyrite   | 1832          | 187.5 190.0 | 0.02 2.5  |
|                   | Less than 1% pyrite   | 1833          | 190.0 194.5 | 0.005 4.5 |
|                   | Mineralized   | 1834          | 194.5 197.5 | 0.02 3.0  |
|                   |   | 1835          | 197.5 200.5 | 0.04 3.0  |
|                   |   | 1836          | 200.5 203.5 | 0.04 3.0  |
|                   |   | 1837          | 203.5 206.5 | 0.205 3.0 |
|                   |   | 1838          | 206.5 210.5 | 0.005     |
|                   | Less than 1% pyrite, grey mudstone, 2.0 feet ground core.                               |               |             |           |

184.5 - 206.5  
22.0' .063



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-68  
Page No.

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

1839 210.5 202.5 0.002

217.5 234.0 Buff green carbonate.

234.0 240.0 Ultramafic, massive, less than 10% white carbonate, grading into ultramafic.  
217.0-227.0, several rusty fractures, fault?  
AT 233.0, 1/4 inch fault gouge.

240.0 End of hole.

AVERAGES: 184.5 to 187.5, 0.13 over 3.0 feet.  
203.5 to 206.5, 0.205 over 3.0 feet.

Dec. 20/83.

4+35E 12+78N

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group  
 Level: Surface  
 Bearing: Grid North  
 Inclination: -45°  
 Total Depth: 199.0'  
 Location of Collar: 6+65E, 0+30N/4?  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

Date Started: Nov. 25/83  
 Date Finished: Nov. 27/83  
 Logged by: Guy Hinse  
 Core Saved or Discarded: Stored at Omega Mine  
 Casing Pulled: (X) or Left: ( )  
 Project: 1022

Hole No. OM 83-69  
 Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests:  
 At: 178' -45°  
 At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 43.0             | Casing  |                  |             |              |
| 43.0 62.5            | Dull grey-green carbonate, mica shale-rich, 20-30% grey carbonate.  | 1815             | 59.5 62.5   | NIL          |
| 62.5 85.0            | Graphite shale.<br>69.0-85.0, mixture of graphite shale and medium hematite alteration with some pyrite locally.              | 1816             | 62.5 67.0   | 0.005        |
|                      |   | 1817             | 67.0 71.0   | 0.005        |
|                      |   | 1818             | 71.0 74.0   | 0.005        |
|                      |   | 1819             | 74.0 77.0   | 0.002        |
|                      |   | 1820             | 77.0 80.0   | 0.002        |
|                      |   | 1821             | 80.0 83.0   | NIL          |
|                      |   | 1822             | 83.0 86.0   | NIL          |
| 85.0 89.0            | Grey shale, 1-3% pyrite.  | 1823             | 86.0 89.5   | 0.002        |
| 89.0 112.0           | Graphite shale, fairly massive, well laminated at 80° to core axis.   |                  |             |              |
| 112.0 132.5          | Grading into a grey-green carbonate.  |                  |             |              |
| 132.5 136.0          | Grey mica shale with up to 5% pyrite grading into a mudstone intermixed with graphite shale, cherty locally with some pyrite. | 1840             | 132.5 135.5 | .002         |
|                      |   | 1841             | 135.5 140.5 | .002         |
|                      |   | 1842             | 140.5 145.5 | N            |
| 136.0 181.0          | Grey carbonate mudstone, massive to delicately laminated, barren. Local concentrations of pyrite.                             | 1843             | 169.0 172.0 | .002         |
|                      |   | 1844             | 172.0 175.0 | .002         |
|                      | Moderately cherty, unmineralized  | 1845             | 175.0 178.0 | .002         |
|                      |   | 1856             | 178.0 180.0 | .002         |
| 181.0 184.0          | Grey-buff mica shale.   |                  |             |              |
| 184.0 185.0          | Green carbonate.  |                  |             |              |
| 185.0 199.0          | Ultramafic carbonate, 10-30% white carbonate.<br>184.0-188.0, several rusty slips.  |                  |             |              |
| 199.0                | End of hole.  |                  |             |              |
| Dec. 21/83.          |   |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group  
 Level: Surface  
 Bearing: GRID NORTH  
 Inclination: -45°  
 Total Depth: 158.0'  
 Location of Collar: 76SE 0155  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

Date Started: Nov. 27/83  
 Date Finished: Nov. 29/83  
 Logged by: Guy Hinse  
 Core Saved or Discarded: Stored at Omega Mine  
 Casing Pulled: (X) or Left: ( )  
 Project: 1022

Hole No. OM 83-70  
 Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests:  
 At: 158' - 43°  
 At:

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| .0.0 68.0            | Casing   |                            |              |
| 68.0 101.0           | Graphite shale.  |                            |              |
| 101.0 137.0          | Grading into a grey mica shale with 0-30% of above, 60-80° to core axis. |                            |              |
| 137.0 158.0          | Massive grey carbonate mudstone.   |                            |              |
| 158.0                | End of hole.   |                            |              |
| Dec. 21/83.          |  |                            |              |

NO SAMPLE TAKEN

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group  
 Level: Surface  
 Bearing: G20 NORTH  
 Inclination: -45°  
 Total Depth: 170.0'  
 Location of Collar: 867E 0203  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

Date Started: Nov. 29/83  
 Date Finished: Nov. 30/83  
 Logged by: Guy Hinse  
 Core Saved or Discarded: Stored at Omega Mine  
 Casing Pulled: (X) or Left: ( )  
 Project: 1022

Hole No. OM 83-71  
 Page No. 1  
 Core Size: BQ  
 Signed: \_\_\_\_\_  
 Acid Tests:  
 At: 170' - 36°  
 At:

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 51.0             | Casing.   |                            |              |
| 51.0 74.0            | Grey carbonate.   |                            |              |
| 74.0 90.0            | Graphite shale and grey mica shale.   |                            |              |
| 90.0 96.0            | Grey carbonate.   |                            |              |
| 96.0 109.0           | Graphite shale.   |                            |              |
| 109.0 123.0          | Massive grey carbonate.   |                            |              |
| 123.0 130.0          | Massive green-grey carbonate containing narrow intercalations of graphite shale, could be a tuff, contains some wispy feldspar. |                            |              |
| 130.0 166.0          | Changing from above to grey carbonate.  |                            |              |
| 166.0 170.0          | Massive grey carbonate mudstone.  |                            |              |
| 170.0                | End of hole.  |                            |              |

Dec. 21/83.

|      |       |       |       |
|------|-------|-------|-------|
| 1879 | 154.7 | 159.7 | 0.005 |
| 1880 | 159.7 | 164.7 | NIL   |
| 1881 | 164.7 | 170.0 | 0.005 |

DIAMOND DRILL LOG

|  |   |                   |
|--|---|-------------------|
| Company: Lenora Exploration Limited                  | Date Started: Nov. 30/83                      | Hole No. OM 83-72 |
| Location: Omega Group                                | Date Finished: Dec. 2/83                      | Page No. 1        |
| Level: Surface                                       | Logged by: Guy Hinse                          | Core Size: BQ     |
| Bearing: <i>New Grid North</i>                       | Signed: _____                                 |                   |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |                   |
| Total Depth: 177.0'                                  | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Location of Collar: 9+75E, B.L.                      | Project: 1022                                 | At: 177' - 38°    |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   | At:               |

| Footage<br>From - To | Geological & Physical Description                                       | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 36.0             | Casing  |                            |              |
| 36.0 53.0            | Grey carbonate with 10-20% graphite shale material.                     |                            |              |
| 53.0 62.5            | Grey granular carbonate containing dark grey sandy material, sandstone? |                            |              |
| 62.5 81.0            | Grey mica shale grading into a buff mica shale.                         |                            |              |
| 81.0 96.5            | Grey tuffaceous carbonate.  |                            |              |
| 96.5 118.0           | Tuff.   |                            |              |
| 118.0 141.0          | Grey carbonate with 10% graphite shale.                                 |                            |              |
| 141.0 168.0          | Grey massive carbonate mudstone.  |                            |              |
| 168.0 172.0          | Tuff.   |                            |              |
| 172.0 177.0          | Ultramafic, 10-20% white carbonate.                                     |                            |              |
| 177.0                | End of hole.  |                            |              |
| Dec. 21/83.          |   |                            |              |
|                      |   | 1882 127.0 132.0           | 0.055        |
|                      |   | 1883 132.0 136.0           | 0.005        |

DIAMOND DRILL LOG

|  |   |                   |
|--|---|-------------------|
| Company: Lenora Exploration Limited                  | Date Started: Dec. 02/83                      | Hole No. OM 83-73 |
| Location: Omega Group                                | Date Finished: Dec. 03/83                     | Page No. 1        |
| Level: Surface                                       | Logged by: Guy Hinse                          | Core Size: BQ     |
| Bearing: Grid South                                  | Signed: _____                                 |                   |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |                   |
| Total Depth: 127.0'                                  | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Location of Collar: 4+25E, 1+22N                     | Project: 1022                                 | At: 127' -43°     |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   | At:               |

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

0.0 61.0 Casing.

61.0 114.0 Highly cherty mudstone, brecciated with 10-20% quartz, alternating sections of grey and medium red hematized sections. 2-3% pyrite.

Hematized, 20-25% pyrite.

|      |       |       |       |     |
|------|-------|-------|-------|-----|
| 1847 | 60.0  | 61.5  | 0.02  |     |
| 1848 | 61.5  | 64.5  | 0.30  | 3.0 |
| 1849 | 64.5  | 67.5  | 0.18  | 3.0 |
| 1850 | 67.5  | 70.5  | 0.10  | 3.0 |
| 1851 | 70.5  | 73.5  | 0.07  | 3.0 |
| 1852 | 73.5  | 76.5  | 0.06  | 3.0 |
| 1853 | 76.5  | 79.5  | 0.05  | 3.0 |
| 1854 | 79.5  | 82.5  | 0.02  | 3.0 |
| 1855 | 82.5  | 85.5  | 0.002 | 3.0 |
| 1856 | 85.5  | 88.5  | 0.07  | 3.0 |
| 1857 | 88.5  | 91.5  | 0.185 | 3.0 |
| 1858 | 91.5  | 94.5  | 0.03  | 3.0 |
| 1859 | 94.5  | 97.5  | 0.02  | 3.0 |
| 1860 | 97.5  | 100.5 | 0.01  | 3.0 |
| 1861 | 100.5 | 103.5 | 0.18  | 3.0 |
| 1862 | 103.5 | 106.5 | 0.23  | 3.0 |
| 1863 | 106.5 | 109.5 | 0.21  | 3.0 |
| 1864 | 109.5 | 113.5 | 0.09  | 4.0 |

1.0 foot ground core.

114.0 127.0 Graphite shale.

127.0 End of hole.

AVERAGES: 61.5 to 70.5, 0.193 over 9.0 feet.  
 100.5 to 109.5, 0.207 over 9.0 feet.  
 61.5 to 113.5, 0.106 over 52.0 feet.

Dec. 21/83.

*Handwritten notes:*  
 61.5 - 70.5  
 9.0      .193  
 100.5 - 109.5  
 9.0      .207  
 61.5 - 113.5  
 52.0     .106

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-74                             |
| Location: Omega Group                                | Date Started: Dec. 03/83                      |
| Level: Surface                                       | Date Finished: Dec. 04/83                     |
| Bearing: Grid North                                  | Logged by: Guy Hinse                          |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 113.0'                                  | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 5+55E, 0+24N                     | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Acid Tests:                                   |
|  | At: <del>NO TEST TAKEN</del>                  |
|  | At: 110' - 40°                                |

| Footage<br>From - To | Geological & Physical Description                    | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 75.0             | Casing.  |                  |             |              |
| 75.0 100.0           | Grey mudstone, low chert, little pyrite.             | 1865             | 74.4 77.4   | .002         |
|                      |  | 1866             | 77.5 80.4   | .002         |
|                      | 5-10% pyrite   | 1867             | 80.4 83.4   | .002         |
|                      | Highly siliceous, 10% pyrite                         | 1868             | 83.4 86.4   | .005         |
|                      | 6" ground core, broken                               | 1869             | 86.4 89.4   | .08          |
|                      | 2.0' ground core, broken                             | 1870             | 89.4 93.0   | .01          |
|                      |  | 1871             | 93.0 96.0   | .002         |
|                      |  | 1872             | 96.0 100.0  | .002         |
| 100.0 107.0          | Sand and above, very little core recovery.           |                  |             |              |
| 107.0 113.0          | Green carbonate, grading locally to brilliant green. | 1873             | 107.0 110.0 | .002         |
| 113.0                | End of hole.   |                  |             |              |
| Dec. 21/83.          |  |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group      Date Started: Dec. 05/83  
 Level: Surface, No. 2 Area      Date Finished: Dec. 06/83  
 Bearing: Grid South      Logged by: Guy Hinse      Signed: \_\_\_\_\_  
 Inclination: -45°      Core Saved or Discarded: Stored at Omega Mine  
 Total Depth: 82.0'      Casing Pulled: (X) or Left: ( )      Acid Tests:  
 Location of Collar: 5+25E, 1+40N      Project: 1022      At: NO TEST TAKEN  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario      At:

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

0.0 82.0 Casing.

82.0 End of hole.

Hole abandoned at 82.0 feet, casing broke.

Dec. 21/83.



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Omega Group Date Started: Dec. 06/83  
 Level: Surface, Lake Claim Date Finished: Dec. 10/83  
 Bearing: 88°W of Grid N. Logged by: Guy Hinse Signed: \_\_\_\_\_  
 Inclination: - 45° Core Saved or Discarded: Stored at Omega Mine  
 Total Depth: 675.0' Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: 4+39E, 5+67S Project: 1022 At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At:

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 13.0             | Casing.   |                            |              |
| 13.0 47.0            | Ultramafic tuff or sediments. Massive to well laminated, talcy chlorite, at 45° to core axis containing a few ultramafic clasts? up to 5 cm. One large framboid of pyrite at 42.0, 1.5 cm across.<br>31.0-32.5, dark reddish syenite, sharp upper and lower contact at 45° to core axis. Up to 10% very fine disseminated pyrite.<br>45.5-47.0, broken up, brecciated, fault?   |                            |              |
| 47.0 92.0            | Syenite, dark reddish grey, increasing syenitization from 47.0. Contains small nodules and fragments of green chlorite and 1 to 2% very fine disseminated pyrite. Weakly brecciated with the introduction of quartz-feldspar and medium red hematized material along fractures. Sharp lower contact at 45° to core axis, appears chilled over last 2 feet, definitely fine grained and more silicified with up 5-6% very fine pyrite. |                            |              |
| 92.0 118.5           | Ultramafic as before, locally well brecciated with the introduction of pinkish quartz, feldspar and calcite veinlets at random angles to core axis. Traces of pyrite.   |                            |              |
| 118.5 160.0          | Dark grey fine grained rock consisting of fine carbonate and feldspar? in a biotite-rich matrix, 1% fine disseminated pyrite. Very fine grained lamprophyre or sediment? Brecciated with 5-10% pinkish quartz and feldspar matrix. Could also be an altered ultramafic?   |                            |              |
| 160.0 161.0          | Syenite, dark reddish-grey, sharp upper and lower contact at 30 and 45° to core axis, traces of very fine disseminated pyrite.  |                            |              |
| 161.0 162.0          | Ultramafic, altered.  |                            |              |
| 162.0 172.0          | Syenite as above, sharp and chilled upper and lower contact at 30 and 45° to core axis; weakly brecciated with 5-10% quartz matrix. Traces of fine disseminated pyrite.   |                            |              |
| 172.0 176.5          | Green chlorite zone.  |                            |              |
| 176.5 177.5          | Syenite, close to brick red in color, more siliceous than above syenite. 1-3% fine disseminated pyrite, weakly brecciated.  |                            |              |
| 177.5 180.0          | 10% shards and clusters of mica in a grey-pink syenitic matrix, massive. Looks like an altered sandstone.   |                            |              |
| 180.0 181.5          | Brecciated syenite, low to medium pink, siliceous, 3-5% disseminated pyrite.  |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-76  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 181.5 189.0          | As 177.5 to 180.0, increase in syenitization from 183.0 to 189.0.   |                  |             |              |
| 189.0 191.0          | Highly contorted, predominantly parallel to core axis, altered ultramafic.  | 1884             | 190.5 193.5 | 0.005        |
| 191.0 221.0          | Various syenites, from medium pink-grey to darker varieties, up to 10% fine disseminated pyrite, all brecciated with up to 10% quartz matrix. Pyrite content appears to increase with lighter syenite.  | 1885             | 193.5 196.5 | 0.015        |
|                      |   | 1886             | 196.5 199.5 | 0.005        |
|                      |   | 1887             | 199.5 201.0 | 0.002        |
|                      |   | 1888             | 212.5 217.5 | 0.005        |
|                      |   | 1889             | 217.5 222.5 | 0.01         |
|                      | 201.5-202.5, altered sandstone as before.   |                  |             |              |
| 221.0 229.0          | Syenitized and altered rock, medium grey, coarse grained.   |                  |             |              |
| 229.0 492.0          | Syenite, medium grey-pink to locally brick-red, sharp upper contact at 30° to core axis. 3-5% disseminated pyrite. Brecciated with up to 10% quartz matrix. Looks like an altered sandstone, except for section from 238.0 to 261.0 which looks like a conglomerate. Contains short sections of altered ultramafic. | 1891             | 229.0 236.6 | 0.01         |
|                      |   | 1892             | 241.7 245.3 | 0.055        |
|                      |   | 1893             | 270.0 274.0 | 0.01         |
|                      |   | 1895             | 277.0 282.0 | 0.01         |
|                      |   | 1896             | 282.0 287.0 | 0.025        |
|                      |   | 1897             | 287.0 292.0 | 0.002        |
|                      | At 289.0, lineated at 70° to core axis.   | 1898             | 292.0 297.0 | 0.002        |
|                      |   | 1899             | 297.0 302.0 | 0.005        |
|                      |   | 1900             | 302.0 307.0 | 0.05         |
|                      |   | 0001             | 307.0 312.0 | 0.01         |
|                      | 310.0-350.0, low grey-pink, more silicified, locally up to 10% disseminated pyrite.   | 0002             | 312.0 317.0 | 0.01         |
|                      |   | 0003             | 317.0 322.0 | 0.02         |
|                      |   | 0004             | 322.0 327.0 | 0.0035       |
|                      |   | 0005             | 327.0 332.0 | 0.005        |
|                      |   | 0006             | 332.0 337.0 | 0.14         |
|                      |   | 0007             | 337.0 342.0 | 0.005        |
|                      |   | 0008             | 342.0 347.0 | 0.005        |
|                      |   | 0009             | 347.0 352.0 | 0.01         |
|                      |   | 0010             | 342.0 357.0 | 0.005        |
|                      |   | 0011             | 357.0 362.0 | 0.002        |
|                      | 364.5-366.5, 379.0-382.5, 396.0-400.5, 412.0-414.0, altered ultramafic, looks like a conglomerate.  |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-76  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 0012             | 362.0 364.0 | 0.002        |
|                      |  | 0013             | 366.5 371.5 | NIL          |
|                      |  | 0014             | 371.5 374.5 | 0.01         |
|                      |  | 0015             | 374.5 379.0 | 0.005        |
|                      | 350.0-427.0, dark pinkish-grey, less than 1% disseminated pyrite, massive to only weakly brecciated.   |                  |             |              |
|                      | 427.0-450.0, low-medium grey-pink, 10% quartz breccia, 3-5% pyrite.  |                  |             |              |
|                      |  | 0016             | 426.0 431.0 | 0.002        |
|                      |  | 0017             | 431.0 436.0 | 0.002        |
|                      |  | 0018             | 436.0 441.0 | 0.035        |
|                      |  | 0019             | 441.0 446.0 | 0.03         |
|                      |  | 0020             | 446.0 451.5 | 0.01         |
|                      | 450.0 on, alternating sections of dark grey-red altered sandstone? and ultramafic conglomerate. Definite conglomerate at 480.0 to 482.0, 20-30% 3-5 mm clasts in a sandy matrix. Clasts are predominantly chert, syenite and black chlorite. |                  |             |              |
| 492.0 609.5          | Conglomerate, polymictic, 30-40% clasts up to 10 mm in a sandy matrix, larger clasts are chert, jaspillite with softer clasts smaller and somewhat stretched.  |                  |             |              |
|                      |  | 0021             | 509.3 514.3 | NIL          |
|                      | 512.0-552.0, syenitized, dark red, but harder clasts still visible.  |                  |             |              |
|                      | 568.0-571.0, very peculiar conglomerate made out of matrix from above plus usual clasts.   |                  |             |              |
|                      | 575.0-582.0, dark red syenitized, looks like an altered sandstone.   |                  |             |              |
|                      | 582.0-609.5, conglomerate, locally highly syenitized with up to 10% pyrite where brecciated.   |                  |             |              |
|                      |  | 0022             | 594.3 598.3 | 0.002        |
|                      |  | 0023             | 598.3 600.8 | NIL          |
| 609.5 675.0          | Ultramafic conglomerate, mainly 50-60% ultramafic clasts, stretched up to 1 cm x 4 cm and 10% well-rounded chert clasts in an ultramafic matrix.   |                  |             |              |
|                      | 626.5-628.0, 635.0-645.0, 657.0-675.0, dark red syenite.   |                  |             |              |
|                      | 649.0-651.5, white milky quartz.   |                  |             |              |
|                      |  | 0024             | 658.0 663.0 | 0.002        |
| 675.0                | End of hole.   |                  |             |              |
|                      | Conglomerate section in last portion of hole contains many clasts from brick-red syenite rock up the hole. Mobility down slope, syenite or hematized chert-carbonate deposited as mud rather intrusive??                                     |                  |             |              |

Jan. 17/84.





32D04SE0033 63.4280 MCVITTIE

020

PROGRESS REPORT ON THE  
MCVITTIE TOWNSHIP GOLD PROPERTY  
OF  
LENORA EXPLORATION LIMITED

FOR

THE PERIOD OF JANUARY 1st. TO DECEMBER 31st., 1983.

Sudbury, Ontario  
February 22, 1984  
Revised Oct. 31/84

G.J. Hinse, P.Eng.

NTS 32D/4-0203  
Project 1022



32D04SE0033 63.4280 MCVITTIE

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| Surface Map of West Crown Pillar showing Channel<br>Sampling and Drill Hole Locations, Omega Group | 1" = 50'  |
| Ground Magnetometer Survey, Lake Claim   | 1" = 200' |
| General Compilation Map of McVittie Property   | 1" = 200' |
| General Compilation Map of Lake Zone   | 1" = 20'  |

February 22, 1984 (Revised October 31, 1984)

To the President and Directors  
 Lenora Exploration Limited  
 Suite 1816  
 44 Victoria Street  
 Toronto, Ontario  
 M5C 1Y2

Sirs:

Re: McVittie Township Gold Property  
Progress Report for the Period of January 1st. to December 31st., 1983.

Introduction

During 1983, Lenora Exploration carried out an extensive surface exploration program to explore its McVittie Township Gold property. This program consisted of bulk sampling of the South Lake and Southwest zones; detailed magnetic surveying done on the Omega group; test pitting, surface trenching, channel sampling, and diamond drilling done on the Omega and Southwest groups. Work done during the period extending from January 1st. to December 31st. 1983 is resumed as follow:

|                                       | Lake Claim             | Omega Group             | Southwest Group          |
|---------------------------------------|------------------------|-------------------------|--------------------------|
| Bulk sampling                         | 2,768 tons             |                         | 3,576 tons               |
| Rock excavation                       | 3,200 tons             |                         |                          |
| Surface trenching and<br>test pitting |                        | 36,214 cu.yds.          | 19,624 cu.yds.           |
| Diamond drilling                      | 3,148 feet<br>17 holes | 16,842 feet<br>49 holes | 3,787 feet<br>21 holes ? |
| Detailed magnetic surveying           |                        |                         | 5.5 miles                |
| Line cutting                          |                        | 1.6 miles               |                          |

23,777'  
87 PDH

Location, Access and Property

The Lenora property is located in the south-central portion of McVittie township within the Larder Lake Mining Division, approximately 25 kilometers east of the Town of Kirkland Lake. The west portion of the property is adjacent to the north limit of the Town of Larder Lake. The property is crossed by Highway 66 connecting Kirkland Lake to Noranda.

The property is thus easily accessible through various service roads such as those to the former Omega mine shafts and the Larder Lake station.

Lenora Exploration's McVittie Township property includes 17 contiguous claims in two groups: the Omega and Southwest groups.

The Omega group consists of 8 claims comprising approximately 297.08 acres. They are held under the following numbers: L 313741 to L 313746 inclusive, L 419096 and L 410317.

The Southwest group is made of 9 claims for approximately 337.0 acres. They are held under the following numbers: L 907, L 20399, L 313769, L 313770, L 341811, L 411208, L 411209, L 419377 and L 441494.

#### General Geology

All the rocks found on the property are Precambrian in age and belong to the Superior Province of the Canadian Shield.

The older rocks consist of conglomerate and sandstone overlain by tholeiitic and komatiitic volcanic flows and clastics, containing intercalations of, and overlain by chemogenic and clastic sedimentary rocks; in turn overlain by conglomerate, sandstone and argillite. In the northeast corner of the Omega group, younger trachyte of Temiscaming affinities is exposed.

All the above rocks are intruded by lamprophyre, acid and 'syenitic' dikes related to an intrusive event now marked by a collapse dome, the Pancake Bay dome. It is suggested that lamprophyres are more or less restricted to ultramafic rocks while acid and 'syenitic' dikes occur through all rock types, but are more widespread at ultramafic contacts.

On the Omega property, rocks face north and are overturned at 60° to the south. Along strike to the west, a fold develops so that the Southwest mineralized zone faces and dips 50 to 60° to the south. On the Lake



claim, the rocks associated with this mineralized zone face to the west. The anticlinal axis has not been defined with certainty and it is believed that it is now represented by a strong fault running more or less east-west in the northern portion of the Southwest group, while on the Omega group, the axis of the fold is not readily recognizable, and possibly it has been destroyed by intrusive activities of the Pancake Bay dome. Its location is inferred to be close and parallel to Highway 66, and close to the north contact of the intrusive dome.

The general fault pattern of the property and the area can be classified into three main categories. The oldest category includes normal and thrust faults commonly found along contacts, where normal faulting is inferred to have occurred at times of early folding toward the north, with later compression causing recurrent thrust displacements on some of the old fault planes. The second pattern, low angle strike faults are common throughout the area. In the vicinity of the Omega mine, these faults have a displacement of the south side to the west with the result that what is believed to have been one continuous ore horizon has now been faulted in different ore blocks with each block containing three distinct ore horizons. Although in some of the blocks, no number has been assigned to these horizons. These are the fault block containing ore zones Nos. 1, 2 and 3; a block containing ore zone No. 4; and a block containing ore zone no. 17. The vertical displacement along these faults is not known with certainty. However, it is suggested that the No. 1, 2 and 3 fault block is a thrust fault over fault block of ore zone No. 4. Yet, the most easterly faults of this type have a vertical displacement of the south side down. Cross faults can also be classed in two categories, the oldest cross faults are more or less restricted to the older rocks and abut against hinge faults. Hinge faults are low angle strike faults caused by difference in plunge of fold axis. The youngest cross faults are linear and extend across all rocks and are usually associated with north-south striking fold axis. One of these, the Misema River fault, is believed to represent the north south axis of a major syncline.

### Economic Geology

Ore horizons, unless remobilized, are found mostly within carbonate-rich rocks, close to a sedimentary cycle top. Such a cycle usually consists of a gradation from clastic sedimentary and volcanic rock at the base to chemical sedimentary rock at the top. With decreasing sedimentary supply up stratigraphy, the uppermost sedimentary cycle may lack the lower clastic phase. Sedimentary lithofacies found associated with ore zones strongly indicate that ore horizons were deposited in paleobasins in a shallow water carbonate depositional environment subjected to cyclical evaporitic periods. Maximum ore zone deposition is associated with periods of maximum authigenic processes in the paleobasin at times of transgression caused by subsidence of older volcanic centers to the south.

Gold-bearing zones are associated with an increase in silica, feldspar (mostly albite), carbonate, pyrite and micas, found at the top of a carbonate depositional cycle. Gold-bearing zones are repetitive and exhibit lithological facies changes up stratigraphy. On Lenora's Omega group, ore zones are grey and red in color. The grey ore consists of chert, albite, carbonate and pyrite in varying proportions while the red ore zone is a grey ore containing very fine disseminated hematite, the red ore being stratigraphically above the grey ore, thus, on the face of it, a red ore only indicates a lack of sulfur in the depositional environment.

### Geology of the Lake Claim Mineralized Zones

The Lake claim mineralized zones include two zones, the South Lake zone and the North Lake zone. The South Lake zone is contained within a suite of clastic sedimentary rocks consisting essentially of ultramafic conglomerates containing in the vicinity of the mineralized zone minor beach conglomerate, sandstone and mica shale. It consists of a up to 10% disseminated pyrite in a zone rich in quartz and/or chert, feldspar, micas, and minor carbonate. Gold values are erratic and are not related to the pyrite content of the host rock. Hydrothermal alteration of all rock

types is pervasive and variable facies of 'syenitization' and minor 'dioritization' can be found. This alteration attains in places complete recrystallization and substitution of the original constituents by syenite and diorite material. Within certain portions of the mineralized zone, the original texture of the zone has been locally almost completely destroyed with recrystallization of pyrite and silica; and the introduction of secondary silica is widespread. Gold values in areas of strong alteration such in the east portion are highly erratic when compared to areas of less intense alteration such as the west portion.

Soft sediment deformations such as clastic dikes are numerous throughout the zone.

The second zone, the North Lake zone is located approximately 900 feet north of the South Lake zone. The North Lake zone appears to lie some 500 feet up stratigraphy from the South Lake zone. However, the zone is similar in almost every aspects to the South Lake zone, but with the addition of very fine disseminated hematite imparting a red color to the this gold-bearing zone. The zone is contained within an heterogeneous assemblage of conglomerate and beach sediments, all highly 'syenitized' to varying extents. Little work has been done on this zone, and thus, it is not well known.

#### Geology of the Southwest Mineralized Zone

The Southwest zone is found within ultramafic rocks and is associated with well-laminated chemical carbonate rocks overlying mud-flow and beach sandstone containing beach conglomerate. Gold mineralization is associated with an increase in chert and pyrite in the laminated carbonate rocks found at the top of carbonate sequence. Gold values are notably found in section of increased pyrite content, but is not related to the pyrite content. Visible gold is also found in small stockwork of quartz and chert near the top of a mineralized sequence.

#### Geology of the Omega Mineralized Zone

The Omega mine ore horizons are contained within three fault blocks. The

first one includes the Nos. 1, 2 and 3 ore zones; the second, the No. 4 ore zone; and the third one, the No. 17 ore zone. Each fault block contains three ore horizons, although no number has been assigned to parallel zone in the Nos. 4 and 17 blocks. To the south, two other horizons are known. These are the No. 14 and the No. 18. As mentioned previously, within the mine area, low angle strike faults with displacement of the south side to the west has repeated the main ore horizon to the east. The No. 1 ore zone is made of quartz and/or chert, carbonate, albite, micas and pyrite with minor arsenopyrite and is grey in color. The No. 2 ore zone is essentially the same, but with fine disseminated hematite, thus with a red color. The No. 3 ore zone is found north of the No. 2 ore zone. Although significant during the early years of the mine, little is known about this zone. However, it is mentioned as being a carbonate ore with stockwork of quartz carrying visible gold. The No. 4 and 17 ore horizons are similar to Nos. 1 and 2, although facies changes are common.

#### Results of Work Done

Locations of surface trenches, diamond drill holes, pits, and bulk sample pits are shown on the compilation map of Lenora's McVittie property at a scale of 1" = 200 feet. Details of trenches and other details are shown on individual maps attached to this report at larger scales.

South Lake Zone: Following the Company's program of 1982, this zone was tested with a further 3,148 feet of diamond drilling in 17 holes and a 2,719 ton bulk sample. The best diamond drill results were obtained in the west portion of the zone where 'syenitization' is weaker when compared to the east portion. In the west portion several holes have returned interesting values. However, due to the erratic nature of the contained gold mineralization, a bulk sample totalling 2,768 tons was mined later during the 1983 winter to verify the grade of the zone. The sample was stored on the Omega mine tailings. Approximately 20 to 25 pounds of material was taken from each truck load and sent to the Temiscaming Testing laboratory for assaying to obtain a representative

grade of the zone. The results returned 0.041 ounce of gold per ton. No further work is recommended for now on this zone.

North Lake Zone: During the later part of the 1983 summer, surface stripping and blasting was done in the north part of the Lake claim to investigate an area of mudstone and beach sandstone where old trenches were reported to have returned interesting gold values. Preliminary surface sampling returned highly interesting gold values and the zone was tested with one drill hole. This hole, drilled from east to west, returned 0.14 ounce of gold per ton along a core length of 5.0 feet. Further surface work will be done to defined this zone further.

Lake Claim: The Lake claim was covered with a detailed magnetic survey to help establish the strike of the rock formation on this claim. The results are shown on the attached map at 1" = 200 feet. The results did not help in any significant way the geological interpretation of this claim. However, the survey outlined the west margin of the Pancake Bay intrusive in the east portion of the claim.

Southwest Zone: The Southwest zone was tested with a further 18 holes totalling 2,536 feet and a 2,718 ton bulk sample was mined late during the 1983 winter. Another 3 holes were done to test other areas of the Southwest group for 1,251 feet. The muck was hauled to the Omega tailings for storage and was treated in the same manner as the Lake zone muck. Results indicate a grade of 0.083 ounce of gold per ton. A study of the blasted out configuration of the pit shows a dilution of approximately 60%.

Additional surface trenching was done and 2 holes were drilled to test the extension of this gold-bearing horizon further along strike to the west. Another hole was drilled north of the Southwest showing area to test a correlating ground VLF-Input conductor. This hole returned 0.075 ounce of gold per ton along a core length of 2.5 feet.

Considerations are being given to test with a deep hole the most westerly area of this claim group, in the area of hole SW 83-30 and the

North Chert zone tested with a few holes during the 1981 drill campaign. Another exploration target is the Omega ore horizons which is found in the north portion of this group.

Omega Group: Work done on this group consisted of surface trenching, and extensive diamond drilling to test the mine pillars and the No. 17 zone to the east. A total of 49 holes were drilled for 16,842 feet. Results are considered highly encouraging. Drill indicated reserve in the Nos. 4 and 17 zone totals 180,986 tons at a grade of 0.163 ounce of gold per ton. The reserves are considered as having a good economic potential and underground exploration through a ramp is definitely warranted. The Omega mine pillar are calculated as containing 88,948 tons at a grade of 0.154 ounce of gold per ton. Due to the fact that the mine was backfilled before closing down, the pillars could be easily amenable to production once the clay overburden has been removed. Provided that a suitable custom mill contract can be arranged, production from the mine pillar is envisaged sometimes later this year.

#### Conclusions and Recommendations

During 1983, the work program completed on the well-located McVittie Gold property of Lenora Exploration Limited has outlined additional targets warranting further work. These include the followings:

- 1) The North Lake zone where further surface trenching and sampling is needed.
- 2) The west portion of the Southwest group where deeper diamond drilling should be done to test the Southwest zone gold-bearing horizon at depth.
- 3) The North Chert zone should be tested further with diamond drilling.
- 4) Further work should also be done to trace the projection of the Omega Mine horizon onto the Southwest group, to be followed with diamond drilling.

5) On the Omega group, the recently-completed work program has outlined drill indicated reserves in the No. 17 zone and the Omega mine surface pillars. These reserves are considered as having a good economic potential and further work should be done to assess the feasibility of bringing these zones to production, provided of course, that a suitable custom mill contract can be arranged.

6) Diamond drilling should be done to test at depth the No. 14 and 18 fault block in the vicinity of line 11 W. It is suggested that both fault blocks have been displaced downward and thus, the chances of intersecting interesting values are considered excellent.

It is recommended that exploration and development work should be continued to evaluate further the economic potential of the McVittie Township property. This work should include surface trenching and sampling on the North Lake zone and along the projection of the Omega Mine horizon onto the Southwest group, diamond drilling at shallow depths to test the North Chert zone, deep diamond drilling to test the west extension of the Southwest zone, the possible extension of the Omega Mine horizon and the No. 14 and 18 fault blocks at depth. Underground development of the No. 17 zone, where reserves are indicated is also warranted. This could appropriately be done with a decline with lateral development and underground diamond drilling.

The cost of this work is estimated as follow:

|  |            |
|--|------------|
| Surface trenching and sampling of<br>North Lake zone and the Omega Mine<br>horizon on the Southwest group                              | \$20,000.  |
| Diamond drilling, 10,000 feet @<br>\$20/ft., all inclusive   | \$200,000. |
| Underground development with a -16%<br>decline to reach the 250' level of<br>the No. 17 zone, 1,500 feet @ \$400/ft.,<br>all inclusive | 600,000.   |

|   |              |
|---|--------------|
| Lateral development of the No. 17 zone, 1,000 feet @ \$250/ft., all inclusive | 250,000.     |
| Underground diamond drilling, 10,000 feet @ \$15/ft., all inclusive           | 150,000.     |
| 10% contingencies   | 120,000.     |
|   | <hr/>        |
| Total   | \$1,340,000. |

Respectfully submitted



*G. J. Hinse*  
G.J. Hinse, P.Eng.



CERTIFICATE

Re: McVittie Township Gold Property of Lenora Exploration Ltd.

I, G.J. HINSE, DO HEREBY CERTIFY:

I am a resident at 9 Gloucester Ct., Sudbury, Ontario, P3E 5M2.

I am a qualified geologist, having received my training at Laval University.

I am a registered Professional Engineer of the Province of Ontario, a member of the Canadian Society for Professional Engineers, the Quebec Prospectors Association, the Canadian Institute of Mining and Metallurgy and the Prospectors and Developers Association.

I have been continuously engaged in mining exploration, development and production since 1954 and have been a consulting geologist since 1978. My career in the Canadian mining industry has included positions as mine project manager, mine planning engineer, chief geologist, resident geologist and regional geologist.

I have been involved in northwestern Quebec since 1954 and in the Abitibi region and Larder Lake area since 1966 and, in the Rouyn-Noranda area intermittently since 1970. I have directly supervised almost all exploration work performed on the McVittie Township property of Lenora Exploration since 1981.

This report is based on the author's experience in exploration, on a the personal knowledge of all records of work done on this property, and published geological maps and reports.

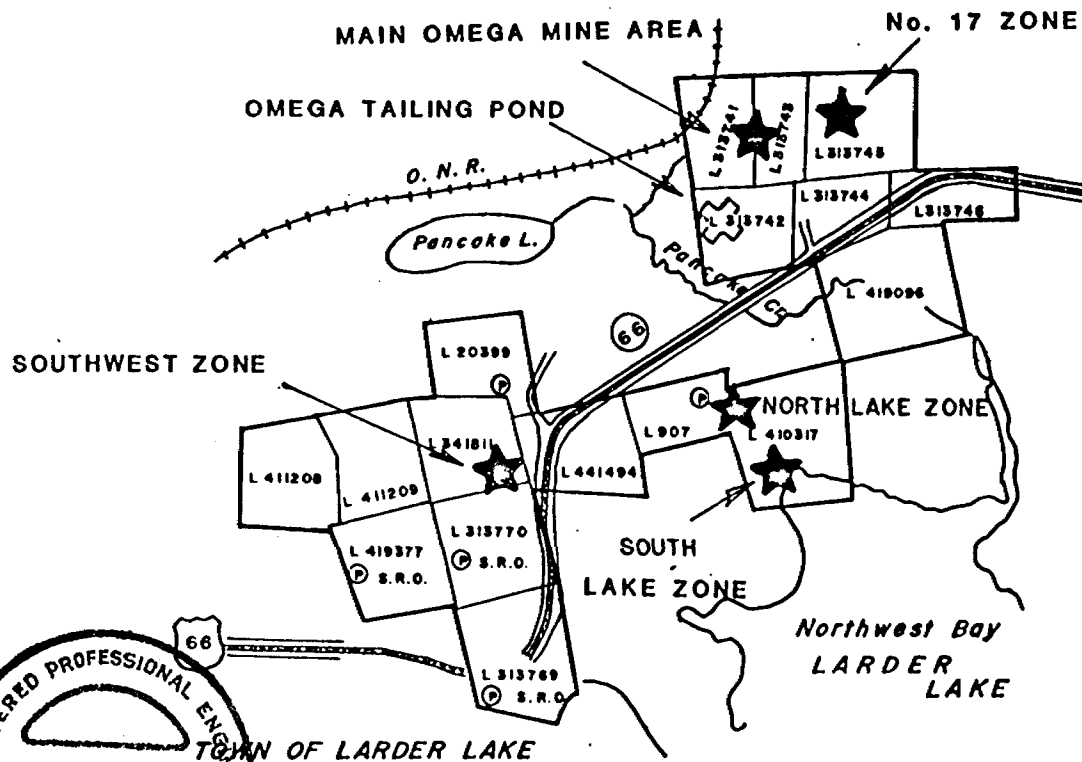
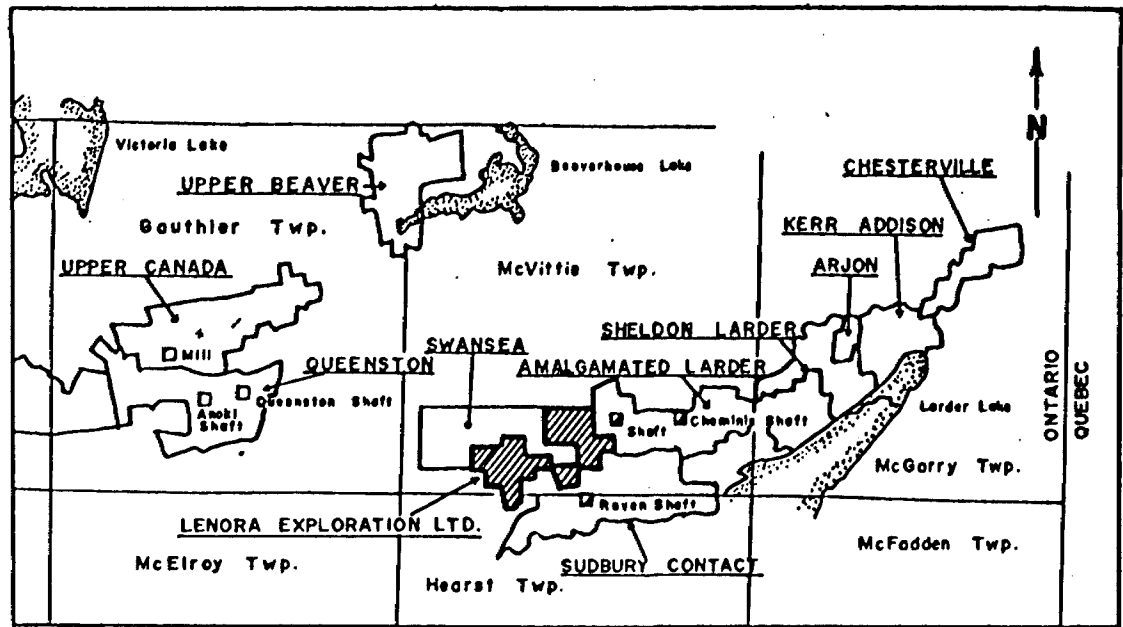
I have disclosed in this report all relevant material which, to the best of my knowledge, might have a bearing on the recommendations contained herein.

I have not, directly nor indirectly, received nor expect to receive any interest, direct or indirect, in the properties of Lenora Exploration Limited, or any affiliate, or beneficially own directly or indirectly, any securities of that company or any affiliate. I am not an insider of a company having an interest in the subject property nor in any property in the immediate area.

Sudbury, Ontario  
October 31, 1984



*G. J. Hinse*  
\_\_\_\_\_  
G. J. Hinse, P. Eng.



G. J. Hinse

Figure L  
LOCATION AND PROPERTY MAP  
of  
LENORA EXPLORATION LIMITED  
McVITTIE TWP. ONTARIO

Table 1.

SUMMARY OF DIAMOND DRILLING ON OMEGA GROUP

| <u>Hole No.</u> | <u>Location</u> | <u>Dip</u> | <u>Strike</u> | <u>Length</u> | <u>Comments - Intersections</u>  |
|-----------------|-----------------|------------|---------------|---------------|--|
| OM 83-28        | 1340E 0500S     | -45        | GN43°W        | 459.0'        | Exploration, no sample taken.  |
| OM 83-29        | 1317E 1132N     | -52        | 329°          | 217.0'        | Zone No. 17, 59.0 to 69.9, 0.078/10.9'; 92.1 to 132.4, 0.091/40.3'; 92.1 to 115.7, 0.127/23.6'; 108.3 to 132.4, 0.113/24.1'. |
| OM 83-30        | 1317E 1132N     | -45        | 016°          | 307.0'        | Zone No. 17, low values.   |
| OM 83-31        | 1317E 1132N     | -45        | 295°          | 256.0'        | Zone No. 17, 98.0 to 115.9, 0.184/17.9'; 150.0 to 166.5, 0.28/16.5'; 150.0 to 182.3, 0.189/32.3'.                            |
| OM 83-32        | 1304E 1006N     | -45        | 305°          | 337.0'        | Zone No. 17, 55.0 to 57.3, 0.13/2.3'; 196.7 to 216.9, 0.035/20.2'.   |
| OM 83-33        | 1205E 965N      | -45        | 318°          | 501.0'        | Zone No. 17, 171.0 to 177.9, 0.156/6.9'; 182.9 to 188.9, 0.045/6.0'; 242.2 to 251.5, 0.129/9.3'; 316.5 to 318.9, 0.155/2.4'. |
| OM 83-34        | 1000E 929N      | -45        | 345°          | 317.0'        | Zone No. 17, 39.8 to 54.0, 0.053/14.2'; 241.3 to 252.5, 0.196/11.2'.   |
| OM 83-35        | 1285E 898N      | -45        | 013°          | 427.0'        | Zone No. 17, low values.   |
| OM 83-36        | 055W 1443N      | -45        | 142°          | 301.0'        | East pillar area, 130.0 to 140.0, 0.065/10.0'; 283.0 to 295.0, 0.053/12.0'.  |
| OM 83-37        | 037E 1445N      | -45        | 142°          | 318.0'        | East pillar area, 287.4 to 297.0, 0.044/9.6'.  |
| OM 83-38        | 129W 1426N      | -45        | 142°          | 234.0'        | East pillar area, 186.1 to 192.2, 0.106/6.1'.  |
| OM 83-39        | 137E 1454N      | -45        | 142°          | 185.0'        | East pillar area, 120.0 to 137.1, 0.122/17.1'.   |
| OM 83-40        | 250E 1480N      | -45        | 142°          | 217.0'        | East pillar area, 127.8 to 136.0, 0.202/8.2'; 127.8 to 154.0, 0.107/26.2'.   |
| OM 83-41        | 1318E 979N      | -45        | 329°          | 317.0'        | Zone No. 17, low values.   |
| OM 83-42        | 1180E 1173N     | -45        | 329°          | 167.0'        | Zone No. 17, 100.3 to 107.0, 0.327/6.7'; 100.3 to 128.3, 0.100/28.0'   |
| OM 83-43        | 1115E 1190N     | -45        | 329°          | 259.0'        | Zone No. 17, low values.   |
| OM 83-44        | 1115E 1060N     | -45        | 329°          | 199.0'        | Zone No. 17, 120.2 to 129.2, 0.05/9.0'.  |
| OM 83-45        | 1000E 1050N     | -45        | 329°          | 237.0'        | Zone No. 17, low values.   |

Table 1. (Continued - ...2)

SUMMARY OF DIAMOND DRILLING ON OMEGA GROUP

| <u>Hole No.</u> | <u>Location</u> | <u>Dip</u> | <u>Strike</u>    | <u>Length</u>    | <u>Comments - Intersections</u>  |
|-----------------|-----------------|------------|------------------|------------------|--|
| OM 83-46        | 1125E           | 748N       | -45              | 329 <sup>o</sup> | 427.0' Zone No. 17, 334.9 to 352.4, 0.055/17.5'.   |
| OM 83-47        | 1043E           | 759N       | -45              | 329 <sup>o</sup> | 710.0' Zone No. 17, 334.8 to 351.6, 0.186/16.8; 334.8 to 369.0, 0.110/34.2'  |
| OM 83-48        | 900E            | 816N       | -45              | 329 <sup>o</sup> | 721.0' Zone No. 17, 188.4 to 195.3, 0.099/6.9'; 188.4 to 222.4, 0.055/34.0'  |
| OM 83-49        | 900E            | 816N       | -60              | 329 <sup>o</sup> | 677.0' Zone No. 17, 378.8 to 382.4, 0.18/3.6'; 459.5 to 474.6, 0.106/15.1'.  |
| OM 83-50        | 900E            | 600N       | -70              | 329 <sup>o</sup> | 837.0' Zone No. 17, 681.6 to 722.6, 0.038/41.0; 702.6 to 722.6, 0.047/20.0'  |
| OM 83-51        | 1200E           | 621N       | -45              | 329 <sup>o</sup> | 607.0' Zone No. 17, 37.0 to 46.7, 0.017/9.7'; 440.5 to 447.0, 0.237/6.5'.  |
| OM 83-52        | 1200E           | 621N       | -75              | 329 <sup>o</sup> | 647.0' Zone No. 17, 33.5 to 44.9, 0.021/11.4'.   |
| OM 83-53        | 1300E           | 900N       | -57 <sup>o</sup> | 329 <sup>o</sup> | 408.0' Zone No. 17, 153.0 to 156.0, 0.12/3.0'; 270.0 to 276.0, 0.15/6.0'.  |
| OM 83-54        | 1300E           | 900N       | -83 <sup>o</sup> | 329 <sup>o</sup> | 473.0' Zone No. 17, 272.0 to 278.5, 1.025/6.5' uncut; 0.242/6.5' cut.  |
| OM 83-55        | 1100E           | 650N       | -60 <sup>o</sup> | 329 <sup>o</sup> | 967.0' Zone No. 17, 482.0 to 485.0, 0.17/3.0'.   |
| OM 83-56        | 1100E           | 650N       | -77 <sup>o</sup> | 329 <sup>o</sup> | 621.0' Zone No. 17, low values.  |
| OM 83-57        | 400E            | 200N       | -48 <sup>o</sup> | 329 <sup>o</sup> | 345.0' Exploration, no sample taken.   |
| OM 83-58        | 1300E           | 700N       | -71 <sup>o</sup> | 329 <sup>o</sup> | 605.0' Zone No. 17, 400.0 to 403.3, 0.068/3.3'.  |
| OM 83-59        | 1200E           | BL         | -46 <sup>o</sup> | 329 <sup>o</sup> | 577.0' Exploration.  |
| OM 83-60        | 047W            | 058S       | -45 <sup>o</sup> | GN               | 79.0' West pillar area, 54.0 to 79.0, 0.126/25.0; 70.0 to 79.0, 0.198/9.0'   |
| OM 83-61        | 095W            | 065S       | -45 <sup>o</sup> | GN               | 132.0' West pillar area, 49.0 to 60.2, 0.091/11.2'; 52.0 to 60.2, 0.105/8.2'   |
| OM 83-62        | 150W            | 069S       | -45 <sup>o</sup> | GN               | 141.0' West pillar area, 54.0 to 63.0, 0.118/9.0'; 75.0 to 87.0, 0.143/12.0'; 54.0 to 87.0, 0.097/33.0' assuming stope at average. |
| OM 83-63        | 200W            | 060S       | -45 <sup>o</sup> | GN               | 140.0' West pillar area, 47.8 to 59.1, 0.101/11.3'; 91.4 to 129.9, 0.052/38.5'   |
| OM 83-64        | 250W            | 057S       | -45 <sup>o</sup> | GN               | 193.0' West pillar area, 134.5 to 159.0, 0.041/24.5'.  |
| OM 83-65        | 025E            | 060S       | -45 <sup>o</sup> | GN               | 130.0' East pillar area, 67.5 to 87.5, 0.135/20.0'; 100.6 to 112.6, 0.093/12.0'.   |

Table 1. (Continued...3)

SUMMARY OF DIAMOND DRILLING ON OMEGA GROUP

| <u>Hole No.</u>       | <u>Location</u> | <u>Dip</u> | <u>Strike</u> | <u>Length</u> | <u>Comments - Intersections</u> |   |
|-----------------------|-----------------|------------|---------------|---------------|---------------------------------|---|
| OM 83-66              | 360E            | 075S       | -45°          | GN            | 97.0'                           | East pillar area, 86.5 to 91.0, 0.351/4.5', hit stope.  |
| OM 83-67              | 360E            | 056S       | -45°          | GN            | 112.0'                          | East pillar area, 63.5 to 71.8, 0.243/8.3'; 63.5 to 79.8, 0.18/16.3'                                |
| OM 83-68              | 565E            | 060S       | -45°          | GN            | 240.0'                          | East pillar area, 184.5 to 206.3, 0.063/22.0'.  |
| OM 83-69              | 665E            | 030S       | -45°          | GN            | 199.0'                          | East pillar area, low values.   |
| OM 83-70              | 765E            | 015S       | -45°          | GN            | 158.0'                          | East pillar area, no sample taken.  |
| OM 83-71              | 862E            | 020S       | -45°          | GN            | 170.0'                          | East pillar area, low values.   |
| OM 83-72              | 975E            | B.L.       | -45°          | GN            | 177.0'                          | East pillar area, low values.   |
| OM 83-73              | 425E            | 122N       | -45°          | GS            | 127.0'                          | East pillar area, 61.5 to 70.5, 0.193/9.0'; 100.5 to 190.5, 0.207/9.0'; 61.5 to 113.5, 0.106/52.0'. |
| OM 83-74              | 555E            | 024N       | -45°          | GN            | 113.0'                          | East pillar area, 86.4 to 89.4, 0.08/3.0'.  |
| OM 83-75              | 525E            | 140N       | -45°          | GS            | 82.0'                           | East pillar area, abandoned in overburden.  |
| OM 83-76              | 439E            | 567S       | -45°          | 88°WG         | 675.0'                          | Testing North Lake zone, 332.0 to 337.0, 0.14/5.0'.   |
| Total drilled in 1983 |                 |            |               |               | 16,842.0'                       | 49 holes  |
| Exploration           |                 |            |               |               | 1,381.0'                        | 3 holes   |
| East pillar area      |                 |            |               |               | 2,860.0'                        | 16 holes  |
| West pillar area      |                 |            |               |               | 685.0                           | 5 holes   |
| No. 17 zone area      |                 |            |               |               | 11,241.0'                       | 24 holes  |
| North Lake zone       |                 |            |               |               | 675.0'                          | 1 hole  |

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Table 2.

SUMMARY OF DIAMOND DRILLING ON LAKE ZONE

| <u>Hole No.</u> | <u>Location</u> | <u>Dip</u> | <u>Strike</u> | <u>Length</u> | <u>Comments - Intersections</u>                         |
|-----------------|-----------------|------------|---------------|---------------|---|
| L 82-1          |                 | -45        |               | 151.0'        | Low values.   |
| L 82-2          |                 | -45        |               | 104.0'        | 54.0 to 59.0, 0.15/5.0'; 76.3 to 81.3, 0.05/5.0'.       |
| L 82-3          |                 | -70        |               | 185.8'        | 109.9 to 114.0, 0.28/4.1'; 149.0 to 164.0, 0.047/15.0'. |
| L 82-4          |                 | -45        |               | 127.0'        | 48.5 to 52.7, 0.06/3.6'.                                |
| L 82-5          |                 | -70        |               | 132.0'        | 78.0 to 93.0, 0.068/25.0'.                              |
| L 82-6          |                 | -70        |               | 103.0'        | 75.0 to 90.0, 0.053/15.0'.                              |
| L 82-7          |                 | -45        |               | 83.0'         | 43.0 to 50.2, 0.045/7.2'.                               |
| L 82-8          |                 | -70        |               | 113.0'        | Low values.   |
| L 82-9          |                 | -45        |               | 82.0'         | 67.4 to 76.4, 0.054/9.0'.                               |
| L 82-10         |                 | -70        |               | 153.0'        | Low values.   |
| L 83-11         |                 | -45        |               | 113.0'        | 75.8 to 86.5, 0.097/10.7'.                              |
| L 83-12         |                 | -50        |               | 121.0'        | Low values.   |
| L 83-13         |                 | -45        |               | 132.0'        | 79.0 to 83.6, 0.082/4.6'.                               |
| L 83-14         |                 | -45        |               | 213.0'        | No sample taken.  |
| L 83-15         |                 | -45        |               | 153.0'        | Low values.   |
| L 83-16         |                 | -45        |               | 220.0'        | Low values.   |
| L 83-17         |                 | -45        |               | 254.0'        | 213.5 to 232.5, 0.048/19.0'.                            |
| L 83-18         |                 | -45        |               | 130.0'        | 75.6 to 81.6, 0.152/6.0'.                               |
| L 83-19         |                 | -70        |               | 154.0'        | Low values.   |
| L 83-20         |                 | -45        |               | 143.0'        | 81.6 to 90.6, 0.189/9.0'.                               |
| L 83-21         |                 | -45        |               | 102.0'        | 69.4 to 75.0, 0.054/5.6'.                               |
| L 83-22         |                 | -45        |               | 110.0'        | Low values.   |

Table 2. (Continued - ...2)

SUMMARY OF DIAMOND DRILLING ON LAKE ZONE

| <u>Hole No.</u>       | <u>Location</u> | <u>Dip</u> | <u>Strike</u> | <u>Length</u> | <u>Comments - Intersections</u> |
|-----------------------|-----------------|------------|---------------|---------------|---------------------------------|
| L 83-23               |                 | -45        |               | 130.0'        | Low values.                     |
| L 83-24               |                 | -45        |               | 128.0'        | Low values.                     |
| L 83-25               |                 | -70        |               | 228.0'        | No sample taken.                |
| L 83-26               |                 | -45        |               | 501.5'        | Low values.                     |
| L 83-27               |                 | -70        |               | 316.0'        | Low values.                     |
| Total                 |                 |            |               | 4,382.3'      | 27 holes                        |
| Total drilled in 1982 |                 |            |               | 1,233.8'      | 10 holes                        |
| Total drilled in 1983 |                 |            |               | 3,148.5'      | 17 holes                        |

Revised Oct. 31/84.

Table 3.

SUMMARY OF DIAMOND DRILLING ON SOUTHWEST ZONE

| <u>Hole No.</u> | <u>Location</u> | <u>Dip</u> | <u>Strike</u> | <u>Length</u> | <u>Comments</u>   |
|-----------------|-----------------|------------|---------------|---------------|---|
| SW 80-1         | 527W 562N       | -45        | N             | 206.0'        | SW zone, 69.1 to 73.3, 0.17/4.2'; 100.0 to 105.0, 0.13/5.0'.    |
| SW 80-2A        | 626W 322N       | -55        | N             | 97.0'         | Abandoned in overburden.  |
| SW 80-2B        | 626N 322N       | -60        | N             | 447.0'        | Low values.   |
| SW 80-3         |                 | -45        | N             | 81.0'         | SW zone, 22.0 to 33.0, 0.13/11.0'; 19.5 to 44.8, 0.08/25.3'.    |
| SW 80-4         |                 | -90        |               | 141.0'        | SW zone, 118.5 to 123.5, 0.06/5.0'.                             |
| SW 80-5         | 427N 413N       | -50        | N             | 297.0'        | SW zone, low values.  |
| SW 80-6         | 250W 360N       | -45        | N47°E         | 286.0'        | SW zone, low values.  |
| SW 80-7         |                 | -55        | N47°E         | 418.0'        | SW zone, low values.  |
| SW 80-8         | 600W 660N       | -45        | N             | 297.0'        | SW zone, low values.  |
| SW 80-9         | 692W 437N       | -57        | N             | 597.0'        | SW zone, 473.0 to 477.0, 0.06/4.0'.                             |
| SW 80-10        | 295W 125N       | -58        | N45°E         | 417.0'        | SW zone, low values.  |
| SW 80-11        |                 | -45        | N             | 438.0'        | SW zone, 43.0 to 57.0, 0.31/14.0'.                              |
| SW 83-12        |                 | -45        |               | 117.0'        | SW zone, 39.8 to 75.0, 0.107/35.2'; 55.0 to 64.0, 0.286/9.0'.   |
| SW 83-13        |                 | -70        |               | 128.0'        | SW zone, 74.5 to 95.5, 0.167/21.0'; 71.5 to 110.5, 0.117/39.0'. |
| SW 83-14        |                 | -45        |               | 151.0'        | SW zone, 70.0 to 85.0, 0.112/15.0'.                             |
| SW 83-15        |                 | -70        |               | 151.0'        | SW zone, 100.0 to 103.0, 0.16/3.0'.                             |
| SW 83-16        |                 | -45        |               | 150.0'        | SW zone, 28.8 to 46.4, 0.093/18.0'; 34.4 to 43.4, 0.132/9.0'.   |
| SW 83-17        |                 | -70        |               | 120.0'        | SW zone, 44.5 to 53.5, 0.166/9.0'; 44.5 to 58.7, 0.140/14.2'.   |
| SW 83-18        |                 | -45        |               | 137.0'        | SW zone, low values.  |
| SW 83-19        |                 | -70        |               | 112.0'        | SW zone, low values.  |
| SW 83-20        |                 | -45        |               | 151.0'        | SW zone, low values.  |
| SW 83-21        |                 | -45        |               | 108.0'        | SW zone, no sample taken.                                       |



Table 3. (Continued -...2)

SUMMARY OF DIAMOND DRILLING ON SOUTHWEST ZONE

| <u>Hole No.</u> | <u>Location</u> |       | <u>Dip</u>       | <u>Strike</u>      | <u>Length</u> | <u>Comments</u>                              |
|-----------------|-----------------|-------|------------------|--------------------|---------------|--|
| SW 83-21A       |                 |       | -50              |                    | 27.0'         | SW zone, no sample taken.                    |
| SW 83-22        |                 |       | -70              |                    | 150.0'        | SW zone, no sample taken.                    |
| SW 83-23        |                 |       | -45              |                    | 137.0'        | SW zone, no sample taken.                    |
| SW 83-24        |                 |       | -45              |                    | 127.0'        | SW zone, no sample taken.                    |
| SW 83-25        |                 |       | -45              |                    | 100.0'        | SW zone, no sample taken.                    |
| SW 83-26        | 780W            | 610N  | -45              | G24 <sup>o</sup> E | 202.0'        | SW zone, no sample taken.                    |
| SW 83-27        | 930W            | 615N  | -45              | G24 <sup>o</sup> E | 191.0'        | SW zone, low values.                         |
| SW 83-28        | 200W            | 1105N | -45 <sup>o</sup> | G20 <sup>o</sup> E | 313.0'        | To test geophysical conductors, low values.. |
| SW 83-29        | 933W            | 626N  | -75 <sup>o</sup> | G20 <sup>o</sup> E | 277.0'        | SW zone, low values.                         |
| SW 83-30        | 3600W           | 1160N | -45 <sup>o</sup> | G20 <sup>o</sup> E | 581.0'        | Extension of SW zone, low values.            |
| SW 83-31        | 2400W           | 850N  | -45 <sup>o</sup> | G20 <sup>o</sup> E | 357.0         | Extension of SW zone, low values.            |

|                               |  |  |  |  |          |          |
|-------------------------------|--|--|--|--|----------|----------|
| Total                         |  |  |  |  | 7,509.0' | 33 holes |
| Total drilled SW zone in 1980 |  |  |  |  | 3,722.0' | 12 holes |
| Total drilled SW zone in 1983 |  |  |  |  | 2,536.0' | 18 holes |
| Total exploration in 1983     |  |  |  |  | 313.0'   | 1 hole   |
| Total extension of SW zone    |  |  |  |  | 938.0'   | 2 holes  |
| Total drilled in 1983         |  |  |  |  | 3,787.0' | 21 holes |

Revised Oct. 31/84.

Table 4.

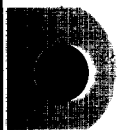
| SUMMARY OF SURFACE WORK  |          |        |          |        |       |       |                |                            |
|--|----------|--------|----------|--------|-------|-------|----------------|----------------------------|
| Group  | Trench   | Zone   | Location | Length | Width | Depth | Cubic<br>Yards | Channel Sampling<br>(feet) |
| Southwest  | A        |        |          | 270.0' | 11.0' | 8.0'  | 880            |                            |
| Southwest  | B        |        |          | 230.0' | 16.0' | 10.0' | 1362           |                            |
|  |          |        |          | 500.0' | 15.0' | 10.0' | 2777           |                            |
|  |          |        |          | 80.0'  | 10.0' | 5.0'  | 148            |                            |
| Southwest  | C        |        |          | 360.0' | 18.0' | 10.0' | 2400           |                            |
| Southwest  | D        |        |          | 205.0' | 18.0' | 10.0' | 1366           |                            |
| Southwest  | E        |        |          | 147.0' | 15.0' | 10.0' | 816            |                            |
| Southwest  | F        |        |          | 160.0' | 10.0' | 3.0'  | 177            |                            |
| Southwest  | G        |        |          | 130.0' | 22.0' | 15.0' | 1588           |                            |
| Southwest  | H        |        |          | 120.0' | 60.0' | 15.0' | 4000           |                            |
|  |          |        |          | 160.0' | 10.0' | 3.0'  | 177            |                            |
| Southwest  | I        |        |          | 180.0' | 15.0' | 5.0'  | 500            |                            |
| Southwest  | J        |        |          | 60.0'  | 18.0' | 15.0' | 600            |                            |
| Southwest  | K        |        |          | 210.0' | 15.0' | 20.0' | 2333           |                            |
| Southwest  | Main Pit |        |          |        |       |       |                | 161.7'                     |
| 3,200 tons removed from Southwest zone pit, 500 cubic yards of overburden removed for ramp access. |          |        |          |        |       |       |                |                            |
| Total, including overburden removed from Southwest zone pit  |          |        |          |        |       |       | 10,624         |                            |
| Southwest Main Pit bulk sample: 3,576 tons   |          |        |          |        |       |       |                |                            |
| Omega  | 1        | No. 17 |          | 220.0' | 60.0' | 25.0' | 12222          | 66.5'                      |
|  |          |        |          | 18.0'  | 70.0' | 20.0' | 933            | 80.5'                      |
|  |          |        |          | 20.0'  | 70.0' | 20.0' | 1037           | 47.5                       |

Table 4. (Continued -...2)

| SUMMARY OF SURFACE WORK |           |                   |          |        |       |       |                |                            |
|-------------------------|-----------|-------------------|----------|--------|-------|-------|----------------|----------------------------|
| Group                   | Trench    | Zone              | Location | Length | Width | Depth | Cubic<br>Yards | Channel Sampling<br>(feet) |
|                         |           |                   |          |        |       |       |                | 55.0'                      |
| Omega                   | 3         | No. 17            |          | 120.0' | 20.0' | 20.0' | 1777           | 73.0'                      |
| Omega                   | 4         | No. 17            |          | 120.0' | 18.0' | 18.0' | 1440           |                            |
| Omega                   | 5         | No. 17            |          | 215.0' | 15.0' | 18.0' | 2150           | 131.0'                     |
| Omega                   | 6         | No. 17            |          | 230.0' | 14.0' | 20.0' | 2385           | 136.5'                     |
| Omega                   | 7         | No. 17            |          | 135.0' | 13.0' | 18.0' | 1126           |                            |
| Omega                   | 8         | No. 17            |          | 300.0' | 15.0' | 15.0' | 2500           |                            |
| Omega                   | Test pits |                   |          | 20.0'  | 5.0'  | 30.0' | 111            |                            |
|                         |           |                   |          | 15.0'  | 12.0' | 30.0' | 200            |                            |
|                         |           |                   |          | 20.0'  | 15.0' | 30.0' | 333            |                            |
| Total                   |           |                   |          |        |       |       | 26,214         |                            |
| Omega                   |           | West Crown Pillar |          |        |       |       | 10,000         | 173.5'                     |

Lake Claim bulk sample: 2,768 tons

Revised Oct. 31/84.



APPENDIX 1.

Results of Bulk Sampling on Southwest and Lake Zones.



Ontario

Ministry of  
Natural  
Resources

Temiskaming  
Testing  
Laboratories

P.O. Box 799  
Presley St.  
Cobalt, Ontario

### Certificate of Weights

Date April 11, 19 83

Name Lenora Explorations

Address 67 Richmond Street West, Suite 500, Toronto, Ontario c/o Glenn Kasner

Mine No. Au Crude Ore Sample

Smelter No.

Our No. Lot 6939

Metallics

Iron

|                           |                 |
|---------------------------|-----------------|
|                           | <b>Drums</b>    |
| Number of <del>bags</del> | 4               |
| Gross Weight              | 2,864 lbs.      |
| Tare                      | 146             |
| Net                       | 2,718           |
| Moisture                  |                 |
| Dry Weight                | 2,718 lbs.      |
| Assay                     | 0.083 oz/ton Au |
| Fine Ozs.                 |                 |

D.L. Lawler  
Manager's Signature

**SOUTHWEST ZONE**



Ontario

Ministry of  
Natural  
Resources

Temiskaming  
Testing  
Laboratories

P.O. Box 799  
Presley St.  
Cobalt, Ontario

Tel: 679-8313

Report Number

CB 6499

Laboratory Report

Date April 11, 198

Issued To: Lenora Explorations

67 Richmond Street West, Suite 500, Toronto, Ontario

| Sample Number | Gold<br>Oz.<br>Per Ton | Gold<br>Value<br>Per Ton | Silver<br>Oz.<br>Per Ton | c/o Glenn Kasner |       |
|---------------|------------------------|--------------------------|--------------------------|------------------|-------|
| Lot 6939      |                        |                          |                          |                  |       |
| Total         | 0.082                  |                          | 0.085                    | 0.084            | 0.081 |
| Average       | 0.083                  | oz/ton                   | Au                       |                  |       |

Fees Received Charged Invoice #02395

D. L. Laidler  
Manager

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qualifying remarks made by this ministry with reference to any sample.



Ontario

Ministry of  
Natural  
Resources

Temiskaming  
Testing  
Laboratories

P.O. Box 799  
Presley St.  
Cobalt, Ontario

### Certificate of Weights

Date April 11, 198

Name Lenora Explorations

Address 67 Richmond Street West, Suite 500, Toronto, Ontario c/o Glenn Kasne

Mine No. Au Crude Ore Sample

Smelter No.

Our No. Lot 6940

Metallics

Iron

|   |                 |
|---|-----------------|
| Number of <del>Box</del> <sup>Drums</sup> | 4               |
| Gross Weight                              | 2,890 lbs.      |
| Tare                                      | 171             |
| Net                                       | 2,719           |
| Moisture                                  |                 |
| Dry Weight                                | 2,719 lbs.      |
| Assay                                     | 0.042 oz/ton Au |
| Fine Ozs.                                 |                 |

**SOUTH LAKE ZONE**

*A. R. Laurio*

Manager's Signature





Ontario

Ministry of  
Natural  
Resources

Temiskaming  
Testing  
Laboratories

P.O. Box 799  
Presley St.  
Cobalt, Ontario

Tel: 679-8313

Report Number

CB 6500

Laboratory Report

Date April 11, 1983

Issued To: Lenora Explorations

67 Richmond Street West, Suite 500, Toronto, Ontario

| Sample Number | Gold<br>Oz.<br>Per Ton | Gold<br>Value<br>Per Ton | Silver<br>Oz.<br>Per Ton | c/o Glenn Kasner |       |
|---------------|------------------------|--------------------------|--------------------------|------------------|-------|
| Lot 6940      |                        |                          |                          |                  |       |
| Total         | 0.042                  |                          | 0.041                    | 0.043            | 0.042 |
| Average       | 0.042                  | oz/ton                   | Au                       |                  |       |

Fees Received Charged Invoice #02396

*D.L. Lauder*  
Manager

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APPENDIX 2

Diamond Drill Logs of Holes L 83-11 to L 83-27

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Location: Lake Claim

Level: Surface

Bearing:

Inclination: -45°

Total Depth: 113.0 feet

Location of Collar:

Drilled by: Prospect Diamond Drilling Ltd.

Date Started: Jan. 9, 1983

Date Finished: Jan. 9, 1983

Logged by: Glenn Kasner

Core Saved or Discarded: Stored at Kenogami Lake

Casing Pulled: (X) or Left: ( )

Project: 1022

Hole No. L 83-11

Page No. 1

Core Size: BQ

Signed: G. Kasner

Acid Tests:

At: No test taken.

At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To  | Au<br>oz/ton |
|----------------------|---|------------------|------------|--------------|
| 0.0 6.0              | Casing  |                  |            |              |
| 6.0 33.0             | Ultramafic conglomerate, up to 10% pyrite in clusters throughout, stretched chert clasts.<br>6" rusty at 25.0.  |                  |            |              |
| 33.0 40.0            | Grey sandstone grading to buff, massive, less than 2% pyrite, contact at 45° to core axis.  |                  |            |              |
| 40.0 48.5            | Green beach conglomerate.   |                  |            |              |
| 48.5 56.5            | Ore zone, grey cherty, 5-8% pyrite, somewhat syenitized.  | 5246             | 48.5 52.3  | .04          |
|                      |   | 5247             | 52.5 56.5  | .01          |
| 56.5 67.0            | Green beach conglomerate, up to 80% stretched green carbonate clasts, less than 2% pyrite, contact at 45° to core axis.                                   |                  |            |              |
| 67.0 76.8            | Coarse grained sandstone, buff and grey caused by 10-30% biotite mica, quartz stringers throughout, 1/2" to 3/4" wide.<br>At 76.8, 1" quartz vein, rusty. |                  |            |              |
| 75.8 80.0            | Mainly buff ore zone (intermixed sandstone), 10-15% pyrite.   | 5248             | 75.8 80.0  | .09          |
| 80.0 86.5            | Ore zone, buff grading to grey cherty, 10-15% fine pyrite.  | 5249             | 80.0 84.4  | .07          |
|                      | As above, grey cherty, 10-15% py.   | 5250             | 84.4 86.5  | .17          |
| 86.5 91.5            | Buff coarse grained sandstone intermixed with ore zone material. 3-5% pyrite.   | 5251             | 86.5 91.5  | .02          |
| 91.5 96.5            | Buff sandstone with ore zone material, 1/4 and 1/2" quartz veins, up to 15% pyrite.   | 5252             | 91.5 96.5  | .06          |
| 96.5 113.0           | Dirty buff sandstone with ultramafic shards. Quartz throughout, 5-6% pyrite.<br>Becoming syenitized at 104.0.   | 5253             | 96.5 100.0 | .02          |
| 113.0                | End of hole.  |                  |            |              |
|                      | AVERAGE: 75.8 to 86.5, 10.7 feet of 0.097   |                  |            |              |

.097  
10.7'

Jan. 18/84.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. L 83-12

Location: Lake Claim

Date Started: Jan. 9, 1983

Page No. 1

Level: Surface

Date Finished: Jan. 10, 1983

Core Size: BQ

Bearing:

Logged by: Glenn Kasner Signed: G. J. Kasner

Inclination: -50°

Core Saved or Discarded: Stored at Kenogami Lake

Total Depth: 121.0 feet

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar:

Project: 1022

At: No test taken.

Drilled by: Prospect Diamond Drilling Ltd.

At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|---|------------------|-----------|--------------|
| 0.0 6.0              | Casing  |                  |           |              |
| 6.0 32.5             | Ultramafic conglomerate with 5-7% pyrite in clusters, chert clasts.   |                  |           |              |
| 32.5 42.0            | Grey grading to buff sandstone, 3% pyrite locally.  |                  |           |              |
| 41.0 45.6            | Beach conglomerate, green, 30% stretched carbonate clasts, 43.7 to 45.6, same as above, rusty broken  |                  |           |              |
| 45.6 48.5            | Green beach conglomerate, grading to fine grained sandstone.  |                  |           |              |
| 48.5 49.9            | Intermixed fine grained buff sandstone and green beach conglomerate. Could contain large clasts, 1.0' plus, of buff sandstone.  |                  |           |              |
| 49.9 68.0            | Ore zone, cherty grey to buff, quartz throughout, up to 15% pyrite, contains more chert towards the end of the zone.  | 5254             | 49.9 52.9 | .02          |
|                      |   | 5255             | 52.9 55.9 | .01          |
|                      |   | 5256             | 55.9 58.9 | .005         |
|                      |   | 5257             | 58.9 61.9 | .02          |
|                      |   | 5258             | 61.9 64.9 | .02          |
|                      |   | 5259             | 64.9 68.0 | .002         |
| 68.0 86.3            | Buff coarse grained sandstone with ore zone material. Contact at 46° to core axis, large quartz grains, up to 10% pyrite locally, quartz veining throughout.  | 5260             | 68.1 73.1 | .005         |
|                      |   | 5261             | 73.1 78.1 | .01          |
|                      |   | 5262             | 78.1 83.1 | .005         |
|                      |   | 5263             | 83.1 86.3 | .005         |
| 86.3 92.6            | Ore zone, contact at 46° to core axis, grey cherty, 5-7% pyrite.  | 5264             | 86.3 89.3 | .01          |
|                      |   | 5265             | 89.3 92.6 | .01 .01      |
| 92.6 103.0           | Mixture of buff and grey-biotite-rich sandstone, syenitized, very coarse grained, sericite-rich grey matrix, black beach shards.<br>At 100.0, shearing parallel to core axis.<br>At 109.0, 2" of brecciated green chlorite. |                  |           |              |
| 103.0 116.0          | Syenitized sandstone, fine grained, mafic shards.   |                  |           |              |
| 116.0 121.0          | Black mafic sediment, somewhat syenitized, 1-2% pyrite.   |                  |           |              |
| 121.0                | End of hole.  |                  |           |              |

NO AVERAGE CALCULATED.

Jan. 18/84.

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited            | Hole No. L 83-13                                  |
| Location: Lake Claim                           | Date Started: Jan. 10, 1983                       |
| Level: Surface                                 | Date Finished: Jan. 11, 1983                      |
| Bearing:                                       | Logged by: Glenn Kasner Signed: <u>G. J. Muir</u> |
| Inclination: -45°                              | Core Saved or Discarded: Stored at Kenogami Lake  |
| Total Depth: 132.0 feet                        | Casing Pulled: (X) or Left: ( )                   |
| Location of Collar:                            | Project: 1022                                     |
| Drilled by: Prospect Diamond Drilling Limited. | Acid Tests: At: No test taken.                    |
|  | At:   |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|---|------------------|-----------|--------------|
| 0.0 7.0              | Casing  |                  |           |              |
| 7.0 13.4             | Ultramafic conglomerate, barren, lineated 60° to core axis.   |                  |           |              |
| 13.4 36.8            | Green beach conglomerate, 30% stretched carbonate clasts, containing one short section of buff sandstone.   |                  |           |              |
| 36.8 48.2            | Buff, cherty, albite-rich?, coarse grained sandstone, quartz veining, 1/4 to 1/2". Up to 10% well rounded chert clasts, average 1-2 mm, largest 3-4 mm, looks like a microconglomerate. | 5266             | 40.2 45.2 | .002         |
| 48.2 72.0            | Pale green and buff sandstone, 5% pyrite locally, containing ore zone material. Cherty sandstone in sharp contact with buff sandstone.  | 5267             | 50.0 55.0 | .002         |
|                      |   | 5268             | 55.0 59.8 | .002         |
| 72.0 73.0            | Green carbonate, rusty  |                  |           |              |
| 73.0 83.6            | Ore zone, grey cherty to buff, up to 15% pyrite locally, 40% quartz veining.  | 5269             | 73.0 76.0 | .02          |
|                      |   | 5270             | 76.0 79.0 | .02          |
|                      |   | 5271             | 79.0 82.0 | .06 .06      |
|                      |   | 5272             | 82.0 83.6 | .123         |
| 83.6 99.0            | Buff sandstone, fine grained grading to mafic towards end of section. More quartz towards end of section.<br>97.0, 2" highly rusty.   |                  |           |              |
| 99.0 101.8           | Syenitized sandstone, brecciated with quartz and feldspar, contorted.   |                  |           |              |
| 101.8 105.1          | Coarse grained mafic sandstone.   |                  |           |              |
| 105.1 110.0          | Coarse grained syenitized sandstone, less than 1% pyrite.   |                  |           |              |
| 110.0 115.0          | Coarse grained, 40% biotite, lamprophyre? (Seen in previous holes). No sharp contact, could be recrystallized material. Less than 1 to 2% pyrite, contact at 40° to core axis.          |                  |           |              |
| 115.0 128.0          | Ultramafic conglomerate, 80-90% stretched clasts in a carbonate-rich matrix. Some sub-rounded clasts, 10-40mm, 3-5% pyrite.   |                  |           |              |
| 128.0 132.0          | Syenitized ultramafic conglomerate, few clasts, 1-15 mm, less than 1% pyrite, almost all recrystallized and incorporated in syenite material.   |                  |           |              |
| 132.0                | End of hole.  |                  |           |              |
|                      | AVERAGE: 79.0 to 83.6, 4.6 feet of 0.082  |                  |           |              |

Jan. 18/84.

DIAMOND DRILL LOG

|  |  |                    |
|--|--|--------------------|
| Company: Lenora Exploration Limited        | Date Started: Jan. 11, 1983                      | Hole No. L 83-14   |
| Location: Lake Claim                       | Date Finished: Jan. 12, 1983                     | Page No. 1         |
| Level: Surface                             | Logged by: Glenn Kasner                          | Core Size: BQ      |
| Bearing:                                   | Signed: <u>G. J. Huse</u>                        |                    |
| Inclination: -45°                          | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 213.0 feet                    | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                        | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Ltd. |  | At:                |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 13.0             | Casing  |                            |              |
| 13.0 33.5            | Fine grained dark grey sediment (possible sandstone) containing small fragments of dark material, sheared, contorted.   |                            |              |
| 33.5 34.7            | Buff fine grained sandstone, massive, 70° to core axis.   |                            |              |
| 34.7 52.1            | Ultramafic conglomerate? Quartz and feldspar throughout section, brecciated pinkish becoming more broken towards end of section, several rusty slips and sections. Contact at 70° to core axis. Locally syenitized. Contains at 45.0, 3.0 feet of syenitized sandstone. 48.0-52.1, very broken up, fault.   |                            |              |
| 52.1 55.0            | Syenitized ultramafic conglomerate, cherty clasts, less than 1% pyrite.   |                            |              |
| 55.0 84.4            | Black fine grained sediment, contains occasional dark clasts, 15 mm, narrow quartz stringers throughout. Brecciation decreases to 84.0.   |                            |              |
| 84.4 213.0           | Ultramafic conglomerate, narrow quartz stringers and pink calcite throughout section. Contact at 20° to core axis. Somewhat syenitized in places. Little pyrite. Relatively few ultramafic and green chlorite clasts in a syenitized matrix. 139.0-140.0, rusty slips. 160.0, looks like a syenitized sandstone, original rock almost completely destroyed. |                            |              |
| 213.0                | End of hole.  |                            |              |
|                      | NO AVERAGE CALCULATED.  |                            |              |

Jan. 18/84.

DIAMOND DRILL LOG

|   |  |
|---|--|
| Company: Lenora Exploration Limited           | Hole No. L 83-15                                 |
| Location: Lake Claim                          | Date Started: Jan. 13, 1983                      |
| Level: Surface                                | Date Finished: Jan. 14, 1983                     |
| Bearing:                                      | Logged by: Glenn Kasner                          |
| Inclination: -45°                             | Signed: <u>G. J. Kasner</u>                      |
| Total Depth: 153.0 feet                       | Core Saved or Discarded: Stored at Kenogami Lake |
| Location of Collar:                           | Casing Pulled: (X) or Left: ( )                  |
| Drilled by: Prospect Diamond Drilling Limited | Project: 1022                                    |
|   | Acid Tests: At: No test taken.                   |
|   | At:  |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|--|------------------|-----------|--------------|
| 0.0 15.0             | Casing   |                  |           |              |
| 15.0 20.0            | Medium grained mafic sandstone with short sections of fine grained grey sandstone. Contact at 45° to core axis.<br>15.0-59.8, quartz-feldspar, brecciated, weakly sheared locally 45° to core axis. Several rusty slips. |                  |           |              |
| 20.0 52.0            | Coarse grained mafic sandstone, little pyrite.<br>35.0-52.0, becoming syenitized towards end of section.   |                  |           |              |
| 52.0 53.0            | Syenitized ore zone, 3% pyrite.  |                  |           |              |
| 53.0 59.8            | Ultramafic conglomerate, 30% mafic clasts in a carbonate-rich matrix.  |                  |           |              |
| 59.8 80.0            | Syenitized ore zone, up to 10% pyrite locally, contact at 52° to core axis.<br>75.0-78.0, highly broken up, fault, rusty.  | 5724             | 59.8 62.8 | .01          |
|                      |  | 5725             | 62.8 65.8 | .02          |
|                      |  | 5726             | 65.8 68.8 | .02          |
|                      |  | 5727             | 68.8 71.8 | .02          |
|                      |  | 5728             | 71.8 74.8 | .01          |
|                      |  | 5729             | 74.8 80.0 | .005         |
| 80.0 83.0            | Ultramafic conglomerate, barren.   |                  |           |              |
| 83.0 85.0            | Ore zone, somewhat syenitized, massive quartz near end of section, 5-8% pyrite locally.  | 5730             | 83.0 88.0 | .02          |
| 85.0 153.0           | Ultramafic conglomerate, 5 to 10% remnants of ultramafic clasts and green chlorite in a syenitized matrix, massive.  |                  |           |              |

In general, with increased syenitization of conglomerate, size of remaining clasts decreases proportionally, thus locally, the rock grades gradually to a texture resembling a sandstone.

153.0 End of hole.

NO AVERAGE CALCULATED.

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DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited           | Hole No. L 83-16                                    |
| Location: Lake Claim                          | Date Started: Jan. 14, 1983                         |
| Level: Surface                                | Date Finished: Jan. 16, 1983                        |
| Bearing:                                      | Core Size: BQ                                       |
| Inclination: -45°                             | Logged by: Glenn Kasner Signed: <u>G. J. Kasner</u> |
| Total Depth: 220.0 feet                       | Core Saved or Discarded: Stored at Kenogami Lake    |
| Location of Collar:                           | Casing Pulled: (X) or Left: ( ) Acid Tests:         |
| Drilled by: Prospect Diamond Drilling Limited | Project: 1022 At:                                   |
|   | At:   |

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

|             |  |                  |      |
|-------------|--|------------------|------|
| 0.0 19.0    | Casing   |                  |      |
| 19.0 94.0   | Sheared and contorted ultramafic conglomerate, 50% clasts, locally up to 10% pyrite in nodules.<br>75.0-94.0, Highly broken up, possible fault.<br>83.0-86.0, broken, rusty.                           |                  |      |
| 94.0 124.0  | Syenitized ore zone, 5% pyrite locally, brecciated.  |                  |      |
|             |  | 5731 95.0 100.0  | .005 |
|             |  | 5732 100.0 105.0 | .01  |
|             |  | 5733 105.0 110.0 | .002 |
|             |  | 5734 110.0 115.0 | .005 |
|             |  | 5735 115.0 120.0 | .005 |
|             |  | 5736 120.0 124.0 | .002 |
| 124.0 220.0 | Syenitized ultramafic conglomerate. Contact at 45° to core axis.<br>Less than 5% green chlorite clasts in a syenitized matrix. Locally clasts are indistinct, particularly along last 30 feet of hole. |                  |      |
| 220.0       | End of hole.   |                  |      |

NO AVERAGE CALCULATED.

Jan. 18/84.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. L 83-17

Location: Lake Claim

Date Started: Jan. 16, 1983

Page No. 1

Level: Surface

Date Finished: Jan. 19, 1983

Core Size: BQ

Bearing:

Logged by: Glenn Kasner Signed: G. Kasner

Inclination: -45°

Core Saved or Discarded: Stored at Kenogami Lake

Total Depth: 254.0 feet

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar:

Project: 1022

At: No test taken.

Drilled by: Prospect Diamond Drilling Limited

At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 15.0             | Casing  |                  |             |              |
| 15.0 169.0           | Ultramafic conglomerate, 15 to 30% clasts, locally up to 50-70% clasts up to 40 mm, up to 3-4% disseminated pyrite. Slightly syenitized or dioritized, contorted and broken up. |                  |             |              |
|                      | 78.0-165.0, ultramafic conglomerate with up to 10% nodular pyrite.  | 5798             | 35.0 40.0   | N11          |
|                      |   | 5799             | 96.0 102.0  | .002         |
| 169.0 192.5          | Ultramafic conglomerate.  |                  |             |              |
|                      | 173.0, 1.0' sheared 30° to core axis.   |                  |             |              |
|                      | 185.0-190.0, broken up, several rusty slips.  |                  |             |              |
| 192.5 248.8          | Syenitized ore zone, somewhat dirty, 10% pyrite locally.  |                  |             |              |
|                      |   | 5737             | 192.5 195.5 | .005         |
|                      |   | 5738             | 195.5 198.5 | .005         |
|                      |   | 5739             | 198.5 201.5 | .04          |
|                      |   | 5740             | 201.5 204.5 | .01          |
|                      |   | 5741             | 204.5 207.5 | .02          |
|                      |   | 5742             | 207.5 210.5 | .005         |
|                      |   | 5743             | 210.5 213.5 | .005         |
|                      |   | 5744             | 213.5 216.5 | .13          |
|                      |   | 5745             | 216.5 219.5 | .04          |
|                      |   | 5746             | 219.5 222.5 | .02          |
|                      |   | 5747             | 222.5 227.5 | .01          |
|                      |   | 5748             | 227.5 232.5 | .06          |
|                      |   | 5749             | 232.5 237.5 | .002         |
|                      |   | 5782             | 237.5 242.5 | .02          |
|                      |   | 5783             | 242.5 248.5 | .02          |
| 248.5 254.0          | Syenitized ultramafic conglomerate.   |                  |             |              |
| 254.0                | End of hole.  |                  |             |              |
|                      | AVERAGE: 213.5 to 232.5, 19.0 feet of 0.048   |                  |             |              |

Jan. 18/84.

DIAMOND DRILL LOG

|   |  |
|---|--|
| Company: Lenora Exploration Limited           | Hole No. L 83-18                                 |
| Location: Lake Claim                          | Date Started: Jan. 21, 1983                      |
| Level: Surface                                | Date Finished: Jan. 22, 1983                     |
| Bearing:                                      | Logged by: Glenn Kasner                          |
| Inclination: -45°                             | Core Saved or Discarded: Stored at Kenogami Lake |
| Total Depth: 130.0 feet.                      | Casing Pulled: (X) or Left: ( )                  |
| Location of Collar:                           | Project: 1022                                    |
| Drilled by: Prospect Diamond Drilling Limited | At: No test taken.                               |

Page No. 1  
 Core Size: BQ  
 Signed: G. J. Hurd  
 Acid Tests:  
 At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|--|------------------|-----------|--------------|
| 0.0 11.0             | Casing.  |                  |           |              |
| 11.0 52.4            | Syenitized ultramafic conglomerate. Original texture almost totally destroyed.   |                  |           |              |
| 52.4 66.5            | Grey sandstone, occasional green shards, ½ to 1", little pyrite.   |                  |           |              |
| 66.5 75.6            | Green beach conglomerate, contacts at 44° to core axis, 30% green mica-rich clasts, up to 20% quartz and feldspar through section. |                  |           |              |
| 75.6 91.0            | Ore zone, cherty grey to buff, abundant quartz through section, up to 15% pyrite.  | 5273             | 75.6 78.6 | 0.203        |
|                      |  | 5274             | 78.6 81.6 | 0.10         |
|                      |  | 5275             | 81.6 84.6 | 0.03         |
|                      |  | 5276             | 84.6 87.6 | 0.01         |
|                      |  | 5277             | 87.6 91.0 | 0.005        |
| 91.0 93.6            | Buff sandstone.  | 5278             | 91.0 93.6 | 0.005        |
| 93.6 97.0            | Ore zone   | 5279             | 93.6 97.0 | 0.01         |
| 97.0 119.2           | Buff sandstone, 1-2% pyrite, several quartz stringers, decreasing in number toward end of section.                                 |                  |           |              |
| 119.2 119.6          | Green beach conglomerate.  |                  |           |              |
| 119.6 121.5          | Mineralized and syenitized buff sandstone, 30% quartz, contact at 50° to core axis.  |                  |           |              |
| 121.5 126.6          | Grey sandstone.  |                  |           |              |
| 126.6 130.0          | Ultramafic conglomerate.   |                  |           |              |
| 130.0                | End of hole.   |                  |           |              |
|                      | AVERAGE: 75.6 to 81.6, 6.0 feet of 0.152   |                  |           |              |

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DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Date Started: Jan. 22, 1983                      | Hole No. L 83-19   |
| Location: Lake Claim                          | Date Finished: Jan. 23, 1983                     | Page No. 1         |
| Level: Surface                                | Logged by: Glenn Kasner                          | Core Size: BQ      |
| Bearing:                                      | Signed: <u>G. J. Huse</u>                        |                    |
| Inclination: -70°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 154.0 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 10.0             | Casing.  |                  |             |              |
| 10.0 69.0            | Ultramafic conglomerate, syenitized, original texture almost completely destroyed, less than 1% pyrite, clasts are small, ¼ inch.<br>At 31.0, locally up to 3% pyrite, lineated 45° to core axis.<br>At 38.0, clasts size larger, locally syenitized with less than 2% pyrite. |                  |             |              |
| 69.0 101.0           | Ultramafic conglomerate, grey-black, talcy, 50% clasts, contacts at 30° to core axis.  |                  |             |              |
| 101.0 109.6          | Green beach conglomerate, clasts 1/8 to ¼ inch, upper contact sharp at 40° to core axis.   |                  |             |              |
| 109.6 130.6          | Ore zone, grey cherty to buff.   | 5281             | 109.6 112.6 | 0.02         |
|                      |  | 5282             | 112.6 115.6 | 0.02         |
|                      |  | 5283             | 115.6 118.6 | 0.005        |
|                      |  | 5284             | 118.6 121.6 | 0.02         |
|                      |  | 5285             | 121.6 124.6 | 0.01         |
|                      |  | 5286             | 124.6 127.6 | 0.01         |
|                      |  | 5287             | 127.6 130.6 | 0.01         |
| 130.6 132.9          | Buff sandstone intermixed with ore zone material, 5% pyrite.   | 5288             | 130.6 132.9 | 0.005        |
| 132.9 138.0          | Ore zone   | 5289             | 132.9 138.0 | NIL          |
| 138.0 142.0          | Buff sandstone, 3% pyrite, quartz stockwork throughout section.  |                  |             |              |
| 142.0 152.0          | Buff sandstone.<br>150.0 to 151.0, syenitized ore zone material.   |                  |             |              |
| 152.0 154.0          | Buff sandstone.  |                  |             |              |
| 154.0                | End of hole.   |                  |             |              |
|                      | NO AVERAGE CALCULATED.   |                  |             |              |

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DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Date Started: Jan. 23, 1983                      | Hole No. L 83-20   |
| Location: Lake Claim                          | Date Finished: Jan. 24, 1983                     | Page No. 1         |
| Level: Surface                                | Logged by: Glenn Kasner                          | Core Size: BQ      |
| Bearing:                                      | Signed: <u>G. J. Huse</u>                        |                    |
| Inclination: -45°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 143.0 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 9.0              | Casing  |                  |             |              |
| 9.0 47.6             | Ultramafic conglomerate, syenitized, relatively few clasts, less than 1% pyrite, almost completely destroyed. |                  |             |              |
| 47.6 48.6            | Ultramafic conglomerate, 60% clasts.  |                  |             |              |
| 48.6 51.6            | Syenitized ore zone with some intermixed ultramafic conglomerate.   | 5291             | 48.6 51.6   | 0.04         |
| 51.6 108.0           | Ore zone, cherty grey to buff, up to 10% pyrite, quartz veining throughout.                                   | 5292             | 51.6 54.6   | 0.005        |
|                      |   | 5293             | 54.6 57.6   | 0.005        |
|                      |   | 5294             | 57.6 60.6   | 0.005        |
|                      |   | 5295             | 60.6 63.6   | 0.002        |
|                      |   | 5296             | 63.6 66.6   | 0.01         |
|                      |   | 5297             | 66.6 69.6   | 0.005        |
|                      |   | 5298             | 69.6 72.6   | 0.04         |
|                      |   | 5299             | 72.6 75.6   | 0.01         |
|                      |   | 52300            | 75.6 78.6   | 0.02         |
|                      |   | 8601             | 78.6 81.6   | 0.02         |
|                      |   | 8602             | 81.6 84.6   | 0.22         |
|                      |   | 8603             | 84.6 87.6   | 0.10         |
|                      |   | 8704             | 87.6 90.6   | 0.24         |
|                      |   | 8705             | 90.6 93.6   | 0.04         |
|                      |   | 8706             | 93.6 96.6   | 0.03         |
|                      |   | 8707             | 96.6 99.6   | 0.01         |
|                      |   | 8708             | 99.6 102.6  | 0.05         |
|                      |   | 8709             | 102.6 105.6 | 0.02         |
|                      |   | 8710             | 105.6 108.0 | 0.02         |
| 108.0 115.0          | Green beach conglomerate intermixed with sandstone.   |                  |             |              |
| 115.0 135.0          | Buff sandstone, upper contact at 30° to core axis.  |                  |             |              |
| 135.0 135.8          | Green beach conglomerate. Upper contact at 90° to core axis.  |                  |             |              |
| 135.8 140.0          | Sandstone.  |                  |             |              |
| 140.0 141.8          | Beach conglomerate.   |                  |             |              |
| 141.8 143.0          | Sandstone.  |                  |             |              |
| 143.0                | End of hole.  |                  |             |              |

AVERAGE: 81.6 to 90.6, 9.0 feet of 0.189

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II-11...86

DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Date Started: Jan. 24, 1983                      | Hole No. L 83-21   |
| Location: Lake Claim                          | Date Finished: Jan. 24, 1983                     | Page No. 1         |
| Level: Surface                                | Logged by: Glenn Kasner                          | Core Size: BQ      |
| Bearing:                                      | Signed: <u>G. Kasner</u>                         |                    |
| Inclination: -45°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 102.0 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To  | Au<br>oz/ton |
|----------------------|---|------------------|------------|--------------|
| 0.0 11.0             | Casing  |                  |            |              |
| 11.0 40.6            | Ultramafic conglomerate, occasional mafic shard, almost completely destroyed.                   |                  |            |              |
| 40.6 47.6            | Beach conglomerate, 70% siliceous clasts. Contact at 42° to core axis.                          |                  |            |              |
| 47.6 53.4            | Ore zone, quartz followed by possible mineralized mudstone. Contacts 43° to core axis.          | 8611             | 47.6 50.6  | 0.02         |
|                      |   | 8612             | 50.6 53.4  | 0.10         |
| 53.4 69.4            | Buff sandstone.   |                  |            |              |
| 69.4 75.0            | Ore zone.   | 8613             | 69.4 72.4  | 0.04         |
|                      |   | 8614             | 72.4 75.0  | 0.07         |
| 75.0 80.2            | Sandstone, locally siliceous.   |                  |            |              |
| 80.2 97.3            | Ore zone, contact at 50° to core axis. Up to 15% pyrite and some molybdenum throughout section. | 8615             | 80.2 83.2  | 0.03         |
|                      |   | 8616             | 83.2 86.2  | 0.002        |
|                      |   | 8617             | 86.2 89.2  | 0.005        |
|                      |   | 8618             | 89.2 92.2  | 0.01         |
|                      | Ore zone and sandstone.   | 8619             | 92.2 95.2  | 0.002        |
|                      | As above  | 8620             | 95.2 97.3  | 0.002        |
| 97.3 102.0           | Grey sandstone.   |                  |            |              |
|                      |   | 8621             | 97.3 100.3 | 0.005        |
|                      | 98.0-100.90, rusty, quartz, parallel to core.   |                  |            |              |
| 102.0                | End of hole.  |                  |            |              |

NO AVERAGE CALCULATED.

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3.0' }  
2.6' } 5.6' }  
0.054

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. L 83-22

Location: Lake Claim

Date Started: Jan. 24, 1983

Page No. 1

Level: Surface

Date Finished: Jan. 25, 1983

Core Size: BQ

Bearing:

Logged by: Glenn Kasner Signed: G. J. Kasner

Inclination: -45°

Core Saved or Discarded: Stored at Kenogami Lake

Total Depth: 110.0 feet.

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar:

Project: 1022

At: No test taken.

Drilled by: Prospect Diamond Drilling Limited

At:

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 10.0             | Casing.  |                            |              |
| 10.0 46.6            | Ultramafic conglomerate, syenitized, few clasts.                             |                            |              |
| 46.6 48.2            | Syenite, 5% pyrite.  |                            |              |
| 48.2 59.6            | Ultramafic conglomerate, syenitized, grading to sandstone at end of section. |                            |              |
| 59.6 66.4            | Buff sandstone.  |                            |              |
| 66.4 75.1            | Beach green conglomerate, 60% clasts, upper contact at 80° to core.          |                            |              |
| 75.1 78.5            | Buff sandstone.  |                            |              |
| 78.5 80.1            | Beach conglomerate, contact at 30° to core.                                  |                            |              |
| 80.1 83.7            | Buff sandstone.  |                            |              |
| 83.7 85.0            | Ore zone   | 8623 83.7 87.4             | 0.002        |
| 85.0 87.4            | Buff sandstone.  |                            |              |
| 87.4 105.0           | Buff sandstone, 1-2% pyrite.   |                            |              |
| 105.0 109.0          | Beach conglomerate.  |                            |              |
| 109.0 110.0          | Beach conglomerate with large fragments of sandstone.                        |                            |              |
| 110.0                | End of hole.   |                            |              |

NO AVERAGE CALCULATED.

Jan. 18/84.

DIAMOND DRILL LOG

|   |  |                           |
|---|--|---------------------------|
| Company: Lenora Exploration Limited           | Date Started: Jan. 25, 1983                      | Hole No. L 83-23          |
| Location: Lake Claim                          | Date Finished: Jan. 26, 1983                     | Page No. 1                |
| Level: Surface                                | Logged by: Glenn Kasner                          | Signed: <u>G. J. Husk</u> |
| Bearing:                                      | Core Saved or Discarded: Stored at Kenogami Lake | Core Size: BQ.            |
| Inclination: -45°                             | Casing Pulled: (X) or Left: ( )                  | Acid Tests:               |
| Total Depth: 130.0 feet.                      | Project: 1022                                    | At: No test taken.        |
| Location of Collar:                           |  | At:                       |
| Drilled by: Prospect Diamond Drilling Limited |  |                           |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To  | Au<br>oz/ton |
|----------------------|--|------------------|------------|--------------|
| 0.0 8.0              | Casing.  |                  |            |              |
| 8.0 19.7             | Ultramafic conglomerate, syenitized toward end of section, few clasts, from 10.0 to 15.0, broken up. |                  |            |              |
| 19.7 27.0            | Mineralized zone, 3-4% pyrite  | 8624             | 19.7 27.0  | 0.005        |
| 27.0 34.9            | Buff sandstone, at 31.1, mineralized, incipient syenitization, 1-2% pyrite.                          |                  |            |              |
| 34.9 73.9            | Mineralized zone, up to 10% locally, very cherty in places, traces of molybdenum throughout.         | 8625             | 34.9 39.9  | 0.005        |
|                      |  | 8626             | 39.9 44.9  | 0.002        |
|                      |  | 8627             | 44.9 49.9  | 0.005        |
|                      |  | 8628             | 49.9 54.9  | 0.002        |
|                      |  | 8629             | 54.9 59.9  | 0.002        |
|                      |  | 8630             | 59.9 64.9  | NIL          |
|                      |  | 8631             | 64.9 67.9  | 0.005        |
|                      |  | 8632             | 67.9 70.9  | 0.002        |
|                      |  | 8633             | 70.9 73.9  | 0.005        |
| 73.9 74.5            | Green sandstone, barren.   |                  |            |              |
| 74.5 84.0            | Same as 34.9 to 73.9   | 8634             | 74.5 77.5  | 0.002        |
|                      |  | 8635             | 77.5 80.5  | 0.002        |
|                      |  | 8636             | 80.5 84.0  | 0.005        |
| 84.0 95.5            | Buff sandstone, massive.   |                  |            |              |
| 95.5 108.4           | Buff sandstone, more quartz veins than above.  | 8637             | 95.0 102.0 | 0.005        |
| 108.4 111.2          | Green beach conglomerate.  |                  |            |              |
| 112.2 117.0          | Buff sandstone, contact at 40° to core.  |                  |            |              |
| 117.0 122.5          | Green beach conglomerate.  |                  |            |              |
| 122.5 125.3          | Sandstone.   |                  |            |              |
| 125.2 130.0          | Green beach conglomerate, 20° to core axis.  |                  |            |              |
| 130.0                | End of hole.   |                  |            |              |

NO AVERAGE CALCULATED.

Jan. 18/84.



DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited           | Hole No. L 83-24                                    |
| Location: Lake Claim                          | Date Started: Jan. 26, 1983                         |
| Level: Surface                                | Date Finished: Jan. 27, 1983                        |
| Bearing:                                      | Logged by: Glenn Kasner Signed: <u>G. J. Kasner</u> |
| Inclination: -45°                             | Core Saved or Discarded: Stored at Kendogami Lake   |
| Total Depth: 128.0 feet.                      | Casing Pulled: (X) or Left: ( )                     |
| Location of Collar:                           | Project: 1022                                       |
| Drilled by: Prospect Diamond Drilling Limited | At: No test taken.                                  |
|   | At:   |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 11.0             | Casing.  |                  |             |              |
| 11.0 38.2            | Ultramafic conglomerate, syenitized, 46° to core axis.                               |                  |             |              |
| 38.2 54.5            | Buff sandstone, 2-3% pyrite locally.<br>43.2-44.2, mineralized ore zone, 10% pyrite. |                  |             |              |
| 54.5 67.0            | Sandstone, 30% biotite, incipient syenitization.                                     |                  |             |              |
| 67.0 70.0            | Sandstone, grey.   |                  |             |              |
| 70.0 85.0            | Sandstone, up to 3-5% in places, occasional Mo speck.                                | 8680             | 70.5 75.5   | NIL          |
|                      |  | 8681             | 75.5 80.5   | 0.002        |
|                      |  | 8682             | 80.5 85.5   | 0.002        |
| 85.0 113.7           | Up to 10% pyrite, cherty.  | 8683             | 85.5 88.5   | 0.005        |
|                      |  | 8684             | 88.5 91.5   | 0.002        |
|                      | 91.0-91.5, beach conglomerate and sandstone.   | 8685             | 91.5 94.5   | 0.002        |
|                      | 94.5-96.7, sandstone, barren, massive  | 8686             | 96.7 99.7   | 0.002        |
|                      |  | 8687             | 99.5 102.7  | 0.002        |
|                      |  | 8688             | 102.7 105.7 | 0.002        |
|                      | 105.0-108.0, 5% moly   | 8689             | 105.7 108.7 | 0.002        |
|                      |  | 8790             | 108.7 111.7 | 0.01         |
|                      |  | 8791             | 111.7 113.7 | 0.005        |
| 113.7 121.5          | Buff sandstone.  |                  |             |              |
| 121.5 128.0          | Occasional clast, lineated 40° to core axis.   |                  |             |              |
| 128.0                | End of hole.   |                  |             |              |
|                      | NO AVERAGE CALCULATED.   |                  |             |              |

Jan. 18/84.

DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Date Started: Jan. 27, 1983                      | Hole No. L 83-25   |
| Location: Lake Claim                          | Date Finished: Jan. 28, 1983                     | Page No. 1         |
| Level: Surface                                | Logged by: Glenn Kasner                          | Core Size: BQ      |
| Bearing:                                      | Signed: <u>G. J. Kasner</u>                      |                    |
| Inclination: -70°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 228.0 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

|             |   |  |  |
|-------------|---|--|--|
| 0.0 9.0     | Casing.   |  |  |
| 9.0 155.0   | Ultramafic conglomerate, almost all original texture destroyed, lineated at 30° to core axis.<br>54.0 to 56.0, broken up. |  |  |
| 155.0 172.5 | Sandstone, from 161.0 to 177.5, short sections of ore zone.   |  |  |
| 172.5 182.3 | Green beach conglomerate, contact at 40° to core.   |  |  |
| 182.3 208.0 | Sandstone.  |  |  |
| 208.0 228.0 | Beach conglomerate, almost parallel to core axis.   |  |  |
| 228.0       | End of hole.  |  |  |
|             | NO ASSAY TAKEN.   |  |  |
| Jan. 18/84. | Hole drilled down dip, did not go far enough.   |  |  |

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited           | Hole No. L 83-26                                |
| Location: Lake Claim                          | Date Started: Jan. 29, 1983                     |
| Level: Surface                                | Date Finished: Feb. 1, 1983                     |
| Bearing: 60°W of Grid N.                      | Logged by: Glenn Kasner                         |
| Inclination: -45°                             | Core Saved or Discarded: Stored at Kengami Lake |
| Total Depth: 501.5 feet.                      | Casing Pulled: (X) or Left: ( )                 |
| Location of Collar: 3+46E, 10+30N             | Project: 1022                                   |
| Drilled by: Prospect Diamond Drilling Limited |   |

|                             |
|-----------------------------|
| Page No. 1                  |
| Core Size: BQ               |
| Signed: <u>G. J. Kasner</u> |
| Acid Tests:                 |
| At: No test taken.          |
| At:                         |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 11.0             | Casing.   |                  |             |              |
| 11.0 24.5            | Mafic sandstone with fine fine grained phase at 15.0 feet. Syenitized, contains 15% biotite near end of section.                      |                  |             |              |
| 24.5 45.0            | Ultramafic conglomerate, 10% mafic clasts, contacts at 35° to core axis. Incipient syenitization.                                     |                  |             |              |
| 45.0 70.0            | Syenite, fine grained, 2-3% pyrite, 23° to core axis.   | 35850            | 45.0 49.0   | 0.002        |
|                      |   | 35851            | 49.0 54.0   | 0.005        |
|                      |   | 35852            | 54.0 59.0   | 0.002        |
|                      |   | 35853            | 59.0 64.0   | 0.005        |
|                      |   | 35854            | 64.0 70.0   | 0.005        |
| 70.0 95.0            | Grey fine grained sandstone, syenitized at first, grading into coarser sandstone near end of section. Last portion has 15-20% pyrite. |                  |             |              |
| 95.0 107.5           | Buff-grey sandstone, contact at 45° to core axis.   |                  |             |              |
| 107.5 159.0          | Ore zone, 2-4% pyrite, traces of moly, contains several sandstone sections as above, some syenitization.                              | 35855            | 107.5 112.5 | 0.005        |
|                      |   | 35856            | 112.5 117.5 | 0.002        |
|                      |   | 35857            | 117.5 122.5 | 0.01         |
|                      |   | 35858            | 122.5 127.5 | 0.01         |
|                      |   | 35859            | 127.5 132.5 | 0.01         |
|                      |   | 35860            | 132.5 137.5 | 0.03         |
|                      |   | 35861            | 137.5 142.5 | 0.02         |
|                      |   | 35862            | 142.5 147.5 | 0.005        |
|                      |   | 35863            | 147.5 152.2 | 0.005        |
|                      |   | 35864            | 152.2 159.0 | NIL          |
| 159.0 182.5          | As above, less pyrite, contact at 35° to core axis, grading into a grey, syenitized sandstone at 182.5, almost buff.                  |                  |             |              |
| 182.5 200.0          | Ore zone, very cherty, 5-8% pyrite, syenitized.   | 35865            | 182.5 187.5 | 0.01         |
|                      |   | 35866            | 187.5 192.5 | 0.01         |
|                      |   | 35867            | 192.5 197.5 | 0.02         |
|                      |   | 35868            | 197.5 200.0 | 0.005        |
| 200.0 212.0          | Buff sandstone.   |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. L 83-26  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number                                  | Au<br>oz/ton         |
|----------------------|--|---|----------------------|
| 212.0 220.0          | Syenitized sandstone.  |   |                      |
| 220.0 239.0          | Green beach conglomerate.  |   |                      |
| 239.0 243.5          | Buff-grey sandstone, syenitized.   |   |                      |
| 243.5 260.0          | Grey-buff sandstone, locally pyritic, few quartz veinlets through section with ore zone material.                                | 35869 243.5 248.5<br>35870 248.5 253.5<br>35871 253.5 260.0 | 0.02<br>0.01<br>0.02 |
| 260.0 270.0          | Sandstone, 2% pyrite.  |   |                      |
| 270.0 290.3          | Grey-buff sandstone, traces of pyrite, becoming syenitized toward end of section. Last 2.0 feet, well mineralized and siliceous. |   |                      |
| 290.3 311.0          | Ultramafic sandstone, contact at 30° to core axis.   |   |                      |
| 311.0 427.0          | Mostly ultramafic material, somewhat syenitized.   |   |                      |
| 427.0 448.0          | Three sequences of sandstone grading into conglomerate.  |   |                      |
| 448.0 471.0          | Ultramafic conglomerate, syenitized, green chlorite rich.<br>457.0-471.0, up to 15% pyrite locally, 80% clasts, 2% chert clasts. |   |                      |
| 501.5                | End of hole.   |   |                      |

NO AVERAGE CALCULATED.

Jan. 18/84.

DIAMOND DRILL LOG

|   |  |                    |
|---|--|--------------------|
| Company: Lenora Exploration Limited           | Date Started: Feb. 2, 1983                       | Hole No. L 83-27   |
| Location: Lake Claim                          | Date Finished: Feb. 4, 1983                      | Page No. 1         |
| Level: Surface                                | Logged by: Glenn Kasner                          | Core Size: BQ      |
| Bearing:                                      | Signed: <u>G. J. Kasner</u>                      |                    |
| Inclination: -70°                             | Core Saved or Discarded: Stored at Kenogami Lake |                    |
| Total Depth: 316.0 feet.                      | Casing Pulled: (X) or Left: ( )                  | Acid Tests:        |
| Location of Collar:                           | Project: 1022                                    | At: No test taken. |
| Drilled by: Prospect Diamond Drilling Limited |  | At:                |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 10.0             | Casing.  |                  |             |              |
| 10.0 64.0            | Intermixed syenitized sandstone, 3-4% pyrite locally. Contact at 30° to core axis. Less altered toward 64.0. |                  |             |              |
| 64.0 198.8           | Mostly grey and buff sandstone intercalated with ore zone sections.  |                  |             |              |
|                      | 64.0-82.0, syenitized, 2-3% pyrite   | 35777            | 68.0 71.5   | 0.002        |
|                      |  | 35778            | 71.5 78.0   | 0.002        |
|                      |  | 35750            | 78.0 82.0   | NIL          |
|                      | 82.0-110.0, sandstone, 2-4% pyrite   | 35751            | 82.0 87.0   | 0.002        |
|                      |  | 35752            | 87.0 89.5   | 0.005        |
|                      |  | 35753            | 89.5 94.5   | NIL          |
|                      |  | 35754            | 94.5 99.5   | NIL          |
|                      |  | 35755            | 99.5 104.5  | 0.002        |
|                      |  | 35756            | 104.5 108.0 | 0.002        |
|                      |  | 35757            | 108.0 110.0 | NIL          |
|                      | 110.0-113.0, sandstone, less than 1% pyrite, 10% biotite.  |                  |             |              |
|                      | 113.0-127.0, sandstone, 3-5% pyrite.   | 35758            | 113.0 118.0 | 0.002        |
|                      |  | 35759            | 118.0 122.0 | 0.002        |
|                      |  | 35760            | 122.0 127.0 | 0.002        |
|                      | 127.0-142.2, sandstone, more cherty  | 35761            | 127.0 130.0 | 0.005        |
|                      |  | 35762            | 130.0 133.0 | 0.002        |
|                      |  | 35763            | 133.0 136.0 | 0.002        |
|                      |  | 35764            | 136.0 139.2 | NIL          |
|                      |  | 35765            | 139.2 142.2 | NIL          |
|                      | 142.2-144.2, sandstone, green mica, barren.  |                  |             |              |
|                      |  | 35766            | 142.2 144.2 | NIL          |
|                      | 144.2-160.5, sandstone, 5-8% pyrite, local cherty sections.  |                  |             |              |
|                      |  | 35767            | 144.2 149.2 | 0.005        |
|                      |  | 35768            | 149.2 154.2 | 0.005        |
|                      |  | 35769            | 154.2 160.5 | 0.002        |
|                      | 160.5-163.5, sandstone, barren, 33-35° to core axis.   |                  |             |              |
|                      | 163.5-179.2, Ore zone, 5-10% pyrite, traces of Mo locally.   |                  |             |              |
|                      |  | 35770            | 163.2 168.0 | 0.005        |
|                      |  | 35771            | 168.0 173.0 | 0.005        |
|                      |  | 35772            | 173.0 179.0 | 0.002        |
|                      | 179.2-180.4, sandstone, barren, 20% green mica.  |                  |             |              |
|                      | 180.4-198.8, sandstone, 5% pyrite, 28° to core axis.   |                  |             |              |
|                      |  | 35773            | 180.4 186.0 | 0.005        |
|                      |  | 35774            | 186.0 191.0 | 0.005        |
|                      |  | 35775            | 191.0 196.0 | 0.005        |
|                      |  | 35776            | 196.0 199.5 | 0.005        |
| 198.8 216.0          | Beach green conglomerate.  |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. L 83-27  
Page No.

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 216.0 225.0          | Buff sandstone.   |                  |             |              |
| 225.0 237.6          | Sandstone, 30% biotite  |                  |             |              |
| 237.6 248.0          | Buff sandstone, 5-8% pyrite. Contains short sections of beach conglomerate. |                  |             |              |
| 248.0 250.8          | Buff sandstone, 30% sericite. 31° to core axis.                             |                  |             |              |
| 250.8 268.0          | Green beach conglomerate.   |                  |             |              |
| 268.0 273.0          | Buff sandstone, less than 1% pyrite, 30° to core axis.                      |                  |             |              |
| 273.0 286.0          | Ore zone, 10-15% pyrite grading into a grey sandstone with 3-4% pyrite.     |                  |             |              |
|                      |   | 35779            | 273.0 276.0 | 0.005        |
|                      |   | 35780            | 276.0 281.0 | 0.005        |
|                      |   | 35781            | 281.0 286.0 | 0.01         |
| 286.0 292.5          | Sandstone, grey, grading into ultramafic toward 292.5.                      |                  |             |              |
| 292.5 316.0          | Ultramafic conglomerate.  |                  |             |              |
|                      | All sandstone is buff except where biotite is noted.                        |                  |             |              |
| 316.0                | End of hole.  |                  |             |              |

NO AVERAGE CALCULATED.

Jan. 18/84.



APPENDIX 3

Diamond Drill Logs of Holes SW 83-12 to SW 83-31



DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-172                               |
| Location: Southwest Group                            | Date Started: Jan. 7, 1983                       |
| Level: Surface                                       | Date Finished: Jan. 8, 1983                      |
| Bearing:   | Core Size: BQ                                    |
| Inclination: -45°                                    | Logged by: G. Kasner & G. Hinse                  |
| Total Depth: 117.0'                                  | Signed: <u>G. J. Hinse</u>                       |
| Location of Collar:                                  | Core Saved or Discarded: Stored at Kenogami Lake |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Casing Pulled: (X) or Left: ( )                  |
|  | Project: 1022                                    |
|  | Acid Tests:                                      |
|  | At:  |
|  | At:  |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 12.0             | Casing   |                            |              |
| 12.0 33.8            | Dirty carbonate, progressively cleaner toward 33.8. Few black tourmaline and black chlorite gash veinlets. Grey at first, gradual change to buff. Contorted to well lineated, 60-70° to core axis. 2-3% fine pyrite. |                            |              |
| 33.8 67.0            | Buff carbonate, tourmaline gash veinlets, cherty.  |                            |              |
|                      |  | 8638 33.8 36.8             | 0.01         |
|                      |  | 8639 36.8 39.8             | 0.005        |
|                      |  | 8640 39.8 42.8             | 0.14         |
|                      |  | 8641 42.8 45.8             | 0.02         |
|                      |  | 8642 45.8 48.8             | 0.03         |
|                      |  | 8643 48.8 51.8             | 0.05         |
|                      |  | 8644 51.8 55.0             | 0.02         |
|                      |  | 8645 55.0 58.0             | 0.21         |
|                      | 57.8-65.0, 15% pyrite, very cherty, 60-70° to core axis.   |                            |              |
|                      |  | 8646 58.0 61.0             | 0.35         |
|                      |  | 8647 61.0 64.0             | 0.30         |
|                      |  | 8648 64.0 67.0             | 0.03         |
| 67.0 96.0            | As above, local green mica.<br>Little pyrite.  | 8649 67.0 75.0             | 0.04         |
| 96.0 101.0           | Dark grey carbonate-mudstone.  |                            |              |
| 101.0 115.0          | Buff carbonate, could be a sandstone?  |                            |              |
| 115.0 117.0          | Conglomerate, quite a few clasts and mud chips at 115.0 and 116.0.   |                            |              |
| 117.0                | End of hole.   |                            |              |
|                      | Gold associated with zone of maximum pyrite and chert and/or quartz.   |                            |              |
|                      | AVERAGES: 39.8 to 75.0, 35.2' of 0.1072  |                            |              |
|                      | 55.0 to 64.0, 9.0' of 0.286  |                            |              |

Jan. 17/84.

DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-13  |
| Location: Southwest Group                            | Date Started: Jan. 8, 1983                                 |
| Level: Surface                                       | Date Finished: Jan. 9, 1983                                |
| Bearing:   | Logged by: G. Kasner & G. Hinse Signed: <u>G. J. Hinse</u> |
| Inclination: -70°                                    | Core Saved or Discarded: Stored at Kenogami Lake           |
| Total Depth: 128.0'                                  | Casing Pulled: (X) or Left: ( )                            |
| Location of Collar:                                  | Project: 1022  |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At:  |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 14.0             | Casing  |                            |              |
| 14.0 48.0            | Dirty carbonate, carbonate and tuffaceous material, linedated 48° to core, traces of pyrite, occasional tourmaline and black chlorite gash veinlets near end of section, contains narrow buff carbonate sections. |                            |              |
| 48.0 59.5            | Buff carbonate, becoming more cherty toward end of section, traces of pyrite.   |                            |              |
| 59.5 121.0           | Buff carbonate, becoming very cherty with 10% pyrite.   |                            |              |
|                      |   | 8650 59.5 62.5             | NIL          |
|                      |   | 8651 62.5 65.5             | 0.005        |
|                      |   | 8652 65.5 68.5             | 0.002        |
|                      |   | 8653 68.5 71.5             | 0.02         |
|                      |   | 8654 71.5 74.5             | 0.04         |
|                      | 74.5-95.5, very cherty, 10% pyrite.   |                            |              |
|                      |   | 8655 74.5 77.5             | 0.18         |
|                      |   | 8656 77.5 80.5             | 0.16         |
|                      |   | 8657 80.5 83.5             | 0.16         |
|                      |   | 8658 83.5 86.5             | 0.17         |
|                      |   | 8659 86.5 89.5             | 0.17         |
|                      |   | 8660 89.5 92.5             | 0.06         |
|                      |   | 8661 92.5 95.5             | 0.21         |
|                      |   | 8662 95.5 98.5             | 0.05         |
|                      |   | 8663 98.5 101.5            | 0.06         |
|                      |   | 8664 101.5 105.5           | 0.09         |
|                      |   | 8665 105.5 110.5           | 0.05         |
|                      | Few narrow dark grey carbonate-mudstone toward end of section.  |                            |              |
| 121.0 122.5          | Dark grey carbonate-mudstone, 30° to core.  |                            |              |
| 122.5 128.0          | Buff carbonate, occasional small chert porphyroblasts or clasts? Could be a conglomerate?   |                            |              |
| 128.0                | End of hole.  |                            |              |
|                      | AVERAGES: 74.5 to 95.5, 21.0 feet of 0.167  |                            |              |
|                      | 71.5 to 110.5, 39.0 feet of 0.117   |                            |              |

Jan. 17/84.

DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-14                                |
| Location: Southwest Group                            | Date Started: Jan. 9, 1983                       |
| Level: Surface                                       | Date Finished: Jan. 10, 1983                     |
| Bearing:   | Logged by: G. Kasner & G. Hinse                  |
| Inclination: -45°                                    | Signed: <u>G. J. Hinse</u>                       |
| Total Depth: 151.0 feet.                             | Core Saved or Discarded: Stored at Kenogami Lake |
| Location of Collar:                                  | Casing Pulled: (X) or Left: ( )                  |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Project: 1022                                    |
|  | Acid Tests:                                      |
|  | At:  |
|  | At:  |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|--|------------------|-----------|--------------|
| 0.0 14.0             | Casing.  |                  |           |              |
| 14.0 20.0            | Ultramafic, grey black, lineated at 70° to core axis.  |                  |           |              |
| 20.0 33.0            | Dirty carbonate, carbonate and tuffaceous material, dark grey, contains narrow sections of buff carbonate. |                  |           |              |
| 33.0 85.0            | Buff carbonate, up to 10-20% locally of chert porphyroblasts, lineated 70° to core.                        |                  |           |              |
|                      |  | 8666             | 35.0 40.0 | 0.002        |
|                      |  | 8667             | 40.0 45.0 | NIL          |
|                      |  | 8668             | 45.0 50.0 | 0.001        |
|                      |  | 8669             | 50.0 55.0 | NIL          |
|                      |  | 8670             | 55.0 58.0 | nil          |
|                      |  | 8671             | 58.0 61.0 | NIL          |
|                      |  | 8672             | 61.0 64.0 | NIL          |
|                      |  | 8673             | 64.0 67.0 | NIL          |
|                      |  | 8674             | 67.0 70.0 | 0.005        |
|                      |  | 8675             | 70.0 73.0 | 0.17         |
|                      |  | 8676             | 73.0 76.0 | NIL          |
|                      |  | 8677             | 76.0 79.0 | 0.02         |
|                      |  | 8678             | 79.0 82.0 | 0.29         |
|                      |  | 8679             | 82.0 85.0 | 0.08         |
| 85.0 92.0            | Buff carbonate.  |                  |           |              |
|                      |  | 8680             | 85.0 90.0 | 0.02         |
| 92.0 96.0            | Carbonate-mudstone, medium grey.   |                  |           |              |
| 96.0 106.6           | Buff carbonate.  |                  |           |              |
| 106.6 110.0          | Carbonate-mudstone.  |                  |           |              |
| 110.0 132.0          | Conglomerate, carbonate matrix.  |                  |           |              |
| 132.0 141.0          | Conglomerate, mafic matrix.  |                  |           |              |
| 141.0 151.0          | Progressively more ultramafic, syenitized near end of section.   |                  |           |              |
| 151.0                | End of hole.   |                  |           |              |

AVERAGES: 70.0 to 85.0, 15.0 feet of 0.112.

Jan. 17/84.

DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW <b>B3-15</b>                                   |
| Location: Southwest Group                            | Date Started: <b>Jan. 11, 1983</b>                         |
| Level: Surface                                       | Date Finished: <b>Jan. 12, 1983</b>                        |
| Bearing:   | Core Size: BQ  |
| Inclination: <b>-45°</b>                             | Logged by: G. Kasner & G. Hinse Signed: <u>G. J. Hinse</u> |
| Total Depth:   | Core Saved or Discarded: Stored at Kenogami Lake           |
| Location of Collar:                                  | Casing Pulled: (X) or Left: ( ) Acid Tests:                |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Project: 1022 At:  |
|  | At:  |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 13.0             | Casing.  |                            |              |
| 13.0 50.2            | Predominantly ultramafic grading into dirty carbonate at 27.0 feet, progressively more buff toward 50.2. |                            |              |
| 50.2 142.3           | Buff carbonate.  |                            |              |
|                      | Traces of pyrite   | 50.2 54.0                  | NIL          |
|                      |  | 54.0 59.0                  | NIL          |
|                      | 3-5% pyrite, cherty  | 59.0 64.0                  | 0.002        |
|                      | 5.0 feet of lost core.   | 64.0 75.0                  | 0.002        |
|                      |  | 75.0 80.0                  | NIL          |
|                      | Cherty, 10% pyrite   | 80.0 85.0                  | NIL          |
|                      |  | 85.0 88.0                  | 0.002        |
|                      |  | 88.0 91.0                  | 0.002        |
|                      |  | 91.0 94.0                  | 0.002        |
|                      |  | 94.0 97.0                  | 0.005        |
|                      | 10% pyrite, very cherty  | 97.0 100.0                 | 0.002        |
|                      |  | 100.0 103.0                | 0.16         |
|                      | 101.0, contains pieces of fine conglomerate. Box could have been spilled.                                |                            |              |
|                      |  | 103.0 106.0                | 0.01         |
|                      |  | 106.0 109.0                | 0.002        |
|                      |  | 109.0 112.0                | 0.005        |
|                      | Lineated 40° to core   | 112.0 115.0                | 0.005        |
|                      |  | 115.0 118.0                | 0.002        |
|                      |  | 118.0 121.0                | 0.005        |
|                      |  | 121.0 124.3                | 0.04         |
|                      |  | 124.3 127.3                | 0.07         |
|                      |  | 127.3 132.3                | 0.01         |
|                      |  | 132.2 137.3                | 0.01         |
|                      |  | 137.3 142.3                | 0.04         |
| 142.3 150.6          | Grey black carbonate-mudstone.   |                            |              |
| 150.6 151.0          | Conglomerate, green matrix, 45° to core axis.  |                            |              |
| 151.0                | End of hole.   |                            |              |
|                      | Possible fault is most hole in ultramafic above carbonate.   |                            |              |
|                      | Jan. 17/84.  |                            |              |

DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-16                                |
| Location: Southwest Group                            | Date Started: Jan. 12, 1983                      |
| Level: Surface                                       | Date Finished: Jan. 14, 1983                     |
| Bearing:   | Logged by: G. Kasner & G. Hinse                  |
| Inclination: -45°                                    | Signed: <i>G. Kasner</i>                         |
| Total Depth:   | Core Saved or Discarded: Stored at Kenogami Lake |
| Location of Collar:                                  | Casing Pulled: (X) or Left: ( )                  |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Project: 1022                                    |
|  | Acid Tests:                                      |
|  | At:  |
|  | At:  |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|---|------------------|-----------|--------------|
| 0.0 17.4             | Casing  |                  |           |              |
| 17.4 25.4            | Dirty carbonate, carbonate and tuff.  | 8693             | 20.0 25.4 | 0.01         |
| 25.4 48.0            | Buff carbonate, tourmaline and black chlorite gash veinlets throughout, 20-30% chert porphyroblasts, 5-8% pyrite, 37° to core axis. | 8694             | 25.4 28.4 | 0.002        |
|                      |   | 8695             | 28.4 31.4 | 0.06         |
|                      | Highly cherty, up to 15% pyrite   | 8696             | 31.4 34.4 | 0.06         |
|                      |   | 8697             | 34.4 37.0 | 0.17         |
|                      |   | 8698             | 37.0 40.0 | 0.03         |
|                      |   | 8699             | 40.0 43.4 | 0.20         |
|                      | As above, less chert and pyrite   | 8700             | 43.4 46.4 | 0.04         |
|                      |   | 35701            | 46.4 48.0 | 0.04         |
| 48.0 51.5            | Grey black carbonate mudstone.  | 35702            | 48.0 51.5 | 0.002        |
| 51.5 62.0            | Buff carbonate.   | 35703            | 51.5 56.5 | 0.002        |
|                      |   | 35704            | 56.5 61.5 | 0.01         |
| 62.0 71.0            | Grey black carbonate mudstone.  | 35705            | 61.5 66.5 | 0.002        |
| 71.0 77.5            | Buff sandstone.   |                  |           |              |
| 77.5 133.0           | Mostly buff sandstone with usual conglomerate.  | 35706            | 81.0 86.0 | 0.002        |
|                      | 107.5, matrix gradually more mafic, contains short sections of dark carbonate mudstone.   |                  |           |              |
|                      | 50° to core axis.   |                  |           |              |
| 133.0 150.0          | Ultramafic, conglomeratic, syenitized, few clasts.  |                  |           |              |
| 150.0                | End of hole.  |                  |           |              |
|                      | AVERAGES: 28.4 to 46.4, 18.0 feet of 0.0926   |                  |           |              |
|                      | 34.4 to 43.4, 9.0 feet of 0.132   |                  |           |              |

Jan. 17/84.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group Date Started: Jan. 14, 1983  
 Level: Surface Date Finished: Jan. 16, 1983  
 Bearing: Logged by: G. Kasner & G. Hinse Signed: G. J. Hinse  
 Inclination: -70° Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth: Casing Pulled: (X) or Left: ( ) Acid Tests:  
 Location of Collar: Project: 1022 At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario At:

Hole No. SW 83-17

Page No. 1

Core Size: BQ

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|---|------------------|-----------|--------------|
| 0.0 18.0             | Casing.   |                  |           |              |
| 18.0 33.0            | Ultramafic, occasional syenitized augen, possible fault at 27.0 feet.   |                  |           |              |
| 33.0 67.7            | Buff carbonate grading into dirty carbonate at 28.0. Tourmaline and black chlorite gash veinlets, 30% chert porphyroblasts, 45° to core axis. | 35707            | 33.0 36.5 | 0.005        |
|                      |   | 35708            | 36.5 38.5 | 0.002        |
|                      |   | 35709            | 38.5 41.5 | 0.005        |
|                      |   | 35710            | 41.5 44.5 | 0.04         |
|                      | As above, more cherty and pyrite  | 35711            | 44.5 47.5 | 0.28         |
|                      |   | 35712            | 47.5 50.5 | 0.10         |
|                      |   | 35713            | 50.5 53.5 | 0.12         |
|                      |   | 35714            | 53.5 56.5 | 0.002        |
|                      |   | 35715            | 56.5 58.7 | 0.22         |
|                      |   | 35716            | 58.7 61.7 | 0.07         |
|                      |   | 35717            | 61.7 64.7 | 0.05         |
|                      |   | 35718            | 64.7 67.7 | 0.02         |
| 67.7 70.4            | Carbonate mudstone, medium grey, 43° to core.   |                  |           |              |
| 70.4 82.2            | Buff carbonate.   | 35719            | 70.4 75.4 | 0.05         |
|                      |   | 35720            | 75.4 80.4 | 0.01         |
|                      |   | 35721            | 80.4 83.0 | 0.01         |
| 82.0 98.0            | Mixture of buff carbonate and carbonate mudstone.   |                  |           |              |
| 98.0 114.4           | Buff sandstone, occasional chert clast and conglomeratic at 98.0 and 118.0, 42° to core.  |                  |           |              |
| 114.4 120.0          | Dark grey black carbonate mudstone.   |                  |           |              |
| 120.0                | End of hole.  |                  |           |              |
|                      | AVERAGES: 44.5 to 53.5, 9.0 feet of 0.166   |                  |           |              |
|                      | 44.5 to 58.7, 14.2 feet of 0.140  |                  |           |              |

Jan. 18/84.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Location: Southwest Group      Date Started: Jan. 16, 1983  
 Level: Surface                      Date Finished: Jan. 17, 1983  
 Bearing:                              Logged by: G. Kasner & G. Hinse      Signed: G. J. Hinse  
 Inclination: -45°                      Core Saved or Discarded: Stored at Kenogami Lake  
 Total Depth:                          Casing Pulled: (X) or Left: ( )      Acid Tests:  
 Location of Collar:                      Project: 1022                              At:  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario                      At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 23.0             | Casing.  |                  |             |              |
| 23.0 37.0            | Ultramafic at first, grading into a dirty carbonate at 37.0.   |                  |             |              |
| 37.0 56.0            | Dirty carbonate, carbonate and volcanic tuff, grading into buff carbonate toward 56.0, 65° to core.  |                  |             |              |
| 56.0 84.0            | Buff carbonate, with minor tuffaceous material, 70° to core. Section from from 65.0 to 68.0, broken up.<br>65.0 to 68.0, 2.5 feet of lost core, 68.0 to 71.0, ± 1.0 foot of lost core. | 35784            | 56.0 59.0   | NIL          |
|                      |  | 35785            | 59.0 62.4   | 0.005        |
|                      |  | 35786            | 62.4 65.0   | 0.02         |
|                      |  | 35787            | 65.0 68.0   | 0.06         |
|                      |  | 35788            | 68.0 71.0   | 0.03         |
|                      |  | 35789            | 71.0 74.0   | NIL          |
|                      |  | 35790            | 74.0 77.0   | NIL          |
|                      |  | 35791            | 77.0 80.0   | 0.002        |
|                      |  | 35792            | 80.0 83.0   | NIL          |
| 84.0 89.0            | Carbonate mudstone.  | 35793            | 83.0 89.5   | NIL          |
| 89.5 104.5           | Buff carbonate, slightly cherty, little pyrite, 70° to core.   | 35794            | 89.5 94.5   | NIL          |
|                      |  | 35795            | 94.5 99.5   | 0.01         |
|                      |  | 35796            | 99.5 104.5  | NIL          |
| 104.5 109.0          | Grey black mudstone carbonate.   | 35797            | 104.5 110.0 | NIL          |
| 109.0 137.0          | Beach conglomerate, occasional chert clast and mud fragments, buff-green matrix, at 129.0, matrix grading toward mafic composition.  |                  |             |              |
| 137.0                | End of hole.   |                  |             |              |

NO AVERAGE CALCULATED.

Jan. 18/84.

DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-19  |
| Location: Southwest Group                            | Date Started: Feb. 1, 1983                                 |
| Level: Surface                                       | Date Finished: Feb. 2, 1983                                |
| Bearing:   | Core Size: BQ  |
| Inclination: -70°                                    | Logged by: G. Kasner & G. Hinse Signed: <u>G. J. Hinse</u> |
| Total Depth:   | Core Saved or Discarded: Stored at Kenogami Lake           |
| Location of Collar:                                  | Casing Pulled: (X) or Left: ( ) Acid Tests:                |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Project: 1022 At:  |
|  | At:  |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|---|------------------|-----------|--------------|
| 0.0 22.0             | Casing.   |                  |           |              |
| 22.0 52.0            | Ultramafic, brecciated with or without porphyroblasts or augen as in other holes, syenitized locally, grading at 52.0 into a dirty carbonate. 2.0 feet of quartz at 45.0. |                  |           |              |
| 52.0 69.0            | Dirty carbonate.  |                  |           |              |
| 69.0 80.0            | Buff carbonate, tourmaline and black chlorite veinlets, cherty with pyrite.   | 35824            | 69.0 72.0 | NIL          |
|                      |   | 35825            | 72.0 75.0 | 0.005        |
|                      |   | 35826            | 75.0 78.0 | 0.02         |
|                      |   | 35827            | 78.0 80.0 | 0.06         |
| 80.0 90.0            | Coarse grained carbonate mudstone, barren.  | 35828            | 80.0 85.0 | NIL          |
| 90.0 97.0            | Buff carbonate, poor carbonate, somewhat dirty.   | 35829            | 90.0 97.0 | 0.002        |
| 97.0 112.0           | Carbonate mudstone, 45° to core axis.   |                  |           |              |
| 112.0                | End of hole.  |                  |           |              |

NO AVERAGE CALCULATED.

Jan. 18/84.



DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-20                                |
| Location: Southwest Group                            | Date Started: Feb. 2, 1983                       |
| Level: Surface                                       | Date Finished: Feb. 4, 1983                      |
| Bearing:   | Logged by: G. Kasner & G. Hinse                  |
| Inclination: -45°                                    | Signed: <u>G. J. Hinse</u>                       |
| Total Depth:   | Core Saved or Discarded: Stored at Kenogami Lake |
| Location of Collar:                                  | Casing Pulled: (X) or Left: ( )                  |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Project: 1022                                    |
|  | Acid Tests:                                      |
|  | At:  |
|  | At:  |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|--|------------------|-----------|--------------|
| 0.0 10.0             | Casing.  |                  |           |              |
| 10.0 30.0            | Ultramafic grading into dirty carbonate at 16.0, into a buff carbonate at 30.0. Locally contains some pyrite, 70° to core. |                  |           |              |
|                      |  | 35830            | 18.0 21.0 | 0.002        |
|                      |  | 35831            | 21.0 24.0 | 0.002        |
|                      |  | 35832            | 24.0 27.0 | NIL          |
|                      |  | 35833            | 27.0 30.0 | NIL          |
| 30.0 47.0            | Buff carbonate, cherty, pyritic.   |                  |           |              |
|                      |  | 35834            | 30.0 33.0 | NIL          |
|                      |  | 35835            | 33.0 37.0 | NIL          |
|                      |  | 35836            | 37.0 40.0 | NIL          |
|                      |  | 35837            | 40.0 43.0 | NIL          |
|                      |  | 35838            | 43.0 46.0 | NIL          |
| 47.0 48.0            | Carbonate mudstone, medium grey.   |                  |           |              |
|                      |  | 35839            | 46.0 48.0 | NIL          |
| 48.0 100.0           | Buff carbonate, dirty, 5 to 8% pyrite locally, 62° to core.  |                  |           |              |
|                      |  | 35840            | 48.0 51.0 | NIL          |
|                      |  | 35841            | 51.0 54.0 | NIL          |
|                      |  | 35842            | 54.0 57.0 | NIL          |
|                      |  | 35843            | 57.0 60.0 | NIL          |
|                      |  | 35844            | 60.0 63.0 | NIL          |
|                      |  | 35845            | 63.0 66.0 | NIL          |
|                      |  | 35846            | 66.0 69.0 | NIL          |
|                      |  | 35847            | 69.0 74.0 | NIL          |
|                      |  | 35848            | 74.0 80.0 | 0.002        |
|                      |  | 35849            | 80.0 85.0 | 0.002        |
| 100.0 105.0          | Carbonate mudstone.  |                  |           |              |
| 105.0 135.0          | Sandstone and conglomerate, green to grey carbonate matrix.  |                  |           |              |
| 135.0 151.0          | Ultramafic, syenitized.  |                  |           |              |
| 151.0                | End of hole.   |                  |           |              |

NO AVERAGE CALCULATED.

Jan. 18/84.

DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-21  |
| Location: Southwest Group                            | Date Started: Feb. 5, 1983                                 |
| Level: Surface                                       | Date Finished: Feb. 6, 1983                                |
| Bearing:   | Core Size: BQ  |
| Inclination: -45°                                    | Logged by: G. Kasner & G. Hinse Signed: <u>G. J. Hinse</u> |
| Total Depth:   | Core Saved or Discarded: Stored at Kenogami Lake           |
| Location of Collar:                                  | Casing Pulled: (X) or Left: ( ) Acid Tests:                |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Project: 1022 At:  |
|  | At:  |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 4.0              | Dirty carbonate, 30% chert porphyroblasts, 50° to core.   |                            |              |
| 4.0 10.0             | Lost core.  |                            |              |
| 10.0 25.0            | Intermixed sandstone, few chert clasts, porphyroblasts?, locally cherty, up to 3% pyrite locally. |                            |              |
| 25.0 50.5            | Dirty carbonate, less cherty than above, local pyrite, 65° to core.                               |                            |              |
| 50.5 64.0            | As above, barren.   |                            |              |
| 64.0 70.0            | Carbonate mudstone.   |                            |              |
| 70.0 93.0            | Sandstone, conglomerate, buff matrix at first grading into an ultramafic matrix later in section. |                            |              |
| 93.0 108.0           | Ultramafic.   |                            |              |
| 108.0                | End of hole.  |                            |              |
|                      | NO SAMPLE TAKEN.  |                            |              |

Jan. 18/84.

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-21A                                      |
| Location: Southwest Group                            | Date Started: Feb. 6, 1983                              |
| Level: Surface                                       | Date Finished: Feb. 6, 1983                             |
| Bearing:   | Logged by: G. Kasner & G. Hinse Signed: <u>G. Hinse</u> |
| Inclination: -50°                                    | Core Saved or Discarded: Stored at Kenogami Lake        |
| Total Depth:   | Casing Pulled: (X) or Left: ( ) Acid Tests:             |
| Location of Collar:                                  | Project: 1022 At:                                       |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At:   |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 4.0              | Casing.   |                            |              |
| 4.0 9.0              | Dirty carbonate, 10-15% chert clasts, becoming somewhat cleaner near end of section, 46° to core.                     |                            |              |
| 9.0 12.5             | White glassy quartz from 9.0 to 10.5, at end of section, 6 inches of ore zone material with 30% chert and 10% pyrite. |                            |              |
| 12.5 27.0            | Dirty carbonate, less than 1% pyrite.   |                            |              |
| 27.0                 | End of hole.  |                            |              |
|                      | NO SAMPLE TAKEN.  |                            |              |

Jan. 18/84.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. SW 83.22

Location: Southwest Group

Date Started: Feb. 7, 1983

Page No. 1

Level: Surface

Date Finished: Feb. 7, 1983

Core Size: BQ

Bearing:

Logged by: G. Kasner & G. Hinse

Signed: G. J. Hinse

Inclination: -70°

Core Saved or Discarded: Stored at Kenogami Lake

Total Depth:

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar:

Project: 1022

At:

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At:

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 2.0              | Casing.  |                            |              |
| 2.0 12.0             | Dirty carbonate, occasional chert porphyroblasts, less than 1% pyrite.   |                            |              |
| 12.0 17.2            | Buff carbonate, pyritic locally.   |                            |              |
| 17.2 22.0            | Carbonate mudstone.  |                            |              |
| 22.0 87.0            | Dark grey dirty carbonate, 54° to core, barren.  |                            |              |
| 87.0 97.0            | Carbonate mudstone.  |                            |              |
| 97.0 120.0           | Sandstone, buff matrix, top up hole by grain gradation, conglomeratic, grading into an ultramafic matrix at 120.0. |                            |              |
| 120.0 150.0          | Ultramafic, syenitized from 142.0 to 150.0.  |                            |              |
| 150.0                | End of hole.   |                            |              |
|                      | NO SAMPLE TAKEN.   |                            |              |

Jan. 18/84.

DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-23  |
| Location: Southwest Group                            | Date Started: Feb. 8, 1983                                 |
| Level: Surface                                       | Date Finished: Feb. 8, 1983                                |
| Bearing:   | Logged by: G. Kasner & G. Hinse Signed: <u>G. J. Hinse</u> |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Kenogami Lake           |
| Total Depth:   | Casing Pulled: (X) or Left: ( ) Acid Tests:                |
| Location of Collar:                                  | Project: 1022 At:  |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At:  |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 5.0              | Casing.  |                            |              |
| 5.0 20.0             | Dirty carbonate, less than 1% pyrite.  |                            |              |
| 20.0 26.0            | As above, grading into a cleaner carbonate, less than 2% pyrite.                                       |                            |              |
| 26.0 94.0            | Still a dirty carbonate, less than 1% pyrite, 70° to core.<br>At 90.0, 6 inches of carbonate mudstone. |                            |              |
| 94.0 112.0           | Sandstone, conglomeratic, buff matrix at first, then green matrix grading into an ultramafic matrix.   |                            |              |
| 112.0 137.0          | Ultramafic, syenitized.  |                            |              |
| 137.0                | End of hole.<br><br>NO SAMPLE TAKEN.   |                            |              |

Jan. 18/84.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. SW 83-24

Location: Southwest Group

Date Started: Feb. 8, 1983

Page No. 1

Level: Surface

Date Finished: Feb. 9, 1983

Core Size: BQ

Bearing:

Logged by: G. Kasner & G. Hinse Signed: G. J. Hinse

Inclination: -45°

Core Saved or Discarded: Stored at Kenogami Lake

Total Depth:

Casing Pulled: (X) or Left: ( ) Acid Tests:

Location of Collar:

Project: 1022

At:

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At:

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 3.0              | Casing.   |                            |              |
| 3.0 9.0              | Dirty carbonate.  |                            |              |
| 9.0 13.5             | Buff carbonate, less than 1% pyrite.  |                            |              |
| 13.5 49.0            | Dirty carbonate, occasional chert porphyroblasts and black chlorite gash veinlets.                      |                            |              |
| 49.0 55.0            | Carbonate mudstone.   |                            |              |
| 55.0 74.0            | Dirty carbonate, with some sections containing some pyrite.<br>At 74.0, 8 inches of carbonate mudstone. |                            |              |
| 74.0 106.0           | Sandstone, conglomeratic.<br>98.0-101.0, green beach conglomerate.                                      |                            |              |
| 106.0 127.0          | Ultramafic, becoming syenitized at 107.0 to 117.0.  |                            |              |
| 127.0                | End of hole.  |                            |              |
|                      | NO SAMPLE TAKEN.  |                            |              |
| Jan. 18/84.          |   |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. SW 83-25

Location: Southwest Group

Date Started: Feb. 9, 1983

Page No. 1

Level: Surface

Date Finished: Feb. 10, 1983

Core Size: BQ

Bearing:

Logged by: G. Kasner & G. Hinse Signed: G. J. Hinse

Inclination: -45°

Core Saved or Discarded: Stored at Kenogami Lake

Total Depth:

Casing Pulled: (X) or Left: ( ) Acid Tests:

Location of Collar:

Project: 1022

At:

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At:

| Footage<br>From - To | Geological & Physical Description            | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 21.0             | Casing.                                      |                            |              |
| 21.0 33.0            | Diorite?, fair pyrite locally.               |                            |              |
| 33.0 41.0            | Ultramafic, highly talcy.                    |                            |              |
| 41.0 100.0           | Dirty carbonate, little pyrite, 70° to core. |                            |              |
| 100.0                | End of hole.                                 |                            |              |
|                      | NO SAMPLE TAKEN.                             |                            |              |

Jan. 18/84.

DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-26                                |
| Location: Southwest Group                            | Date Started: Feb. 11, 1983                      |
| Level: Surface                                       | Date Finished: Feb. 13, 1983                     |
| Bearing: 24° E of Grid N                             | Logged: G. Kasner & G. Hinse                     |
| Inclination: -45°                                    | Signed: <u>G. Kasner</u>                         |
| Total Depth:   | Core Saved or Discarded: Stored at Kenogami Lake |
| Location of Collar: 7+80W, 6+10N                     | Casing Pulled: (X) or Left: ( )                  |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Acid Tests:                                      |
|  | At:  |
|  | At:  |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 11.0             | Casing.   |                            |              |
| 11.0 24.0            | Buff carbonate, somewhat dirty, 70-80° to core, 1% disseminated pyrite.   |                            |              |
| 24.0 97.0            | Dirty carbonate, very dirty to almost ultramafic locally, contorted. Where well lineated, 80° to core. Up to 1% fine pyrite. Odd quartz porphyroblasts. |                            |              |
| 97.0 134.0           | Sandstone, dirty, mostly ultramafic matrix, few clasts, locally green mica rich matrix, but dirty, traces of pyrite. Possible fault at 134.0.           |                            |              |
| 134.0                | Ultramafic.   |                            |              |
| 202.0                | End of hole.  |                            |              |
|                      | NO SAMPLE TAKEN.  |                            |              |

Jan. 18/84.



DIAMOND DRILL LOG

|  |  |
|--|--|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-27                                |
| Location: Southwest Group                            | Date Started: Feb. 13, 1983                      |
| Level: Surface                                       | Date Finished: Feb. 14, 1983                     |
| Bearing: 24° E of Grid N                             | Logged: G. Kasner & G. Hinse                     |
| Inclination: -45°                                    | Signed: <i>G. J. Hinse</i>                       |
| Total Depth:   | Core Saved or Discarded: Stored at Kenogami Lake |
| Location of Collar: 9+30W, 6+15N                     | Casing Pulled: (X) or Left: ( )                  |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Project: 1022                                    |
|  | Acid Tests: At:                                  |
|  | At:  |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 42.0             | Casing.   |                            |              |
| 42.0 51.0            | Dirty carbonate with ultramafic material and green chlorite, little or no sericite.                     |                            |              |
| 51.0 63.0            | Buff carbonate, mostly sericite, little chert and pyrite.   |                            |              |
| 63.0 71.0            | As above.   |                            |              |
| 71.0 72.5            | Carbonate mudstone.   |                            |              |
| 72.5 115.0           | Dirty carbonate, some sericite.   |                            |              |
| 115.0 115.5          | Carbonate mudstone.   |                            |              |
| 115.5 158.0          | Sandstone, conglomerate.  |                            |              |
|                      |   | 1063 136.5 139.5           | 0.01         |
|                      |   | 1064 139.5 143.0           | 0.01         |
|                      |   | 1065 146.0 149.0           | 0.075        |
|                      |   | 1066 149.0 152.0           | 0.02         |
|                      |   | 1067 152.0 155.0           | 0.02         |
|                      |   | 1068 155.0 158.0           | 0.04         |
|                      |   | 1069 158.0 161.0           | 0.004        |
|                      |   | 1070 161.0 164.0           | 0.01         |
| 158.0 191.0          | Ultramafic, syenitized.   |                            |              |
|                      | NO AVERAGE CALCULATED.  |                            |              |
| 191.0                | End of hole.  |                            |              |
|                      | Core all contorted with several quartz-feldspar veins and veinlets.<br>Could be close to a major fault. |                            |              |

Jan. 18/84.

DIAMOND DRILL LOG

|  |   |                            |
|--|---|----------------------------|
| Company: Lenora Exploration Limited                  | Date Started: Oct. 7/83                       | Hole No. SW 83-28          |
| Location: SW Group                                   | Date Finished: Oct. 16/83                     | Page No. 1                 |
| Level: Surface                                       | Logged by: Guy Hinse                          | Signed: <u>G. J. Hinse</u> |
| Bearing: 20° E of Grid North                         | Core Saved or Discarded: Stored at Omega Mine | Core Size: BQ              |
| Inclination: -45°                                    | Casing Pulled: (X) or Left: ( )               | Acid Tests:                |
| Total Depth: 313.0 feet                              | Project: 1022                                 | At: Collar -45°            |
| Location of Collar: 1105N, 200W                      |   | At: NO TEST                |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   |                            |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number   | Au<br>oz/ton                            |
|----------------------|---|--|---|
| 0.0 107.0            | Casing  |  |   |
| 107.0 131.5          | Brecciated green chlorite zone or basalt, 10-40% white carbonate, minor quartz, barren.<br>117.0-125.0, abrupt change of fragments to dark grey, slightly talcy with 10-30% white carbonate matrix.<br>125.0-131.5 as at 117.0-125.0.   |  |   |
| 131.5 136.5          | Grey chert zone, massive, up to 3% disseminated pyrite, towards 136.5, grades into a white quartz breccia with up to 5-7% pyrite.   | 1238 131.5 134.0<br>1239 134.0 136.5   | .075<br>.005                            |
| 136.5 310.0          | From 136.5-141.5 gradual change from above to a green massive basalt, weakly brecciated or fractured, barren, at 152.0, up to 10-20% nodular carbonate up to 2-3 mm.<br><br>155.0, rusty over 1.0 foot, sheared 30° to core axis, abrupt contact with porphyritic, slightly fractured basalt, generally barren. Few irregular quartz veins with associated pyrite. Size of feldspar porphyry decreasing towards 225.0.<br>225.0 massive, very fine grained basalt.<br>237.5-240.5, up to 10-20% pyrite associated with quartz veining at 239.0.<br><br>257.0, weakly brecciated or fractured basalt similar to 136.5-155.0.<br>279.0 porphyritic, speckled with 20-30% fine feldspar. | 1240 136.5 139.0<br>1241 139.0 141.5<br><br><br><br><br><br>1242 237.5 240.5 | .005<br>NIL<br><br><br><br><br><br>.005 |
| 310.0                | End of hole.  |  |   |

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-29                             |
| Location: Omega Group                                | Date Started: Oct. 20, 1983                   |
| Level: Surface                                       | Date Finished: Oct. 24, 1983                  |
| Bearing: 20° E of Grid N                             | Logged by: Guy Hinse                          |
| Inclination: 145°                                    | Signed: <u>G. J. Hinse</u>                    |
| Total Depth: 277.0 feet                              | Core Saved or Discarded: Stored at Omega Mine |
| Location of Collar: 9+33W, 6+26N                     | Casing Pulled: (X) or Left: ( )               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Acid Tests: At: NO TEST TAKEN                 |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number   | Au<br>oz/ton |
|----------------------|---|--|--------------|
| 0.0 49.0             | Casing  |  |              |
| 49.0 106.0           | Well laminated to contorted 50% carbonate and 50% volcanoclastic, basaltic. Predominantly 45° to core axis. Few specks of pyrite locally associated with quartz.  |  |              |
| 106.0 121.0          | Conglomerate, few chert clasts up to 10 mm in an heterogeneous sandy matrix.  |  |              |
| 121.0 142.0          | Beach sandstone, 60° to core axis.  |  |              |
| 142.0 152.0          | Carbonate zone, well laminated 50 to 80° to core axis, almost all carbonate and 30-40% sericite, traces of pyrite locally. Increasing in clastic content towards 152.0.   |  |              |
| 152.0 171.0          | Basalt tuff with 40% carbonate, minor quartz, brecciated locally, traces of pyrite. 1.0' of conglomerate at 162.0, brecciated.  |  |              |
| 171.0 184.0          | Silicified zone, 5-10% disseminated pyrite, 10% quartz veining.   | 1243 171.0 174.0 0.002<br>1244 174.0 177.0 0.002<br>1245 177.0 180.0 0.002<br>1246 180.0 184.0 0.002                       |              |
| 184.0 201.0          | Ultramafic conglomerate, 60% ultramafic clasts, slightly stretched up to 5 cm with few carbonate clasts, up to 2 cm. Weakly to highly brecciated.<br>First 3.0 feet, parallel to core axis, sheared, possible fault at 201.0. |  |              |
| 201.0 215.7          | Silicified zone, 1-3% pyrite, weakly brecciated with up to 10% quartz.  | 1247 201.0 204.0 NIL<br>1248 204.0 207.0 NIL<br>1249 207.0 210.0 0.002<br>1250 210.0 213.0 0.005<br>1251 213.0 215.7 0.002 |              |
| 215.7 248.0          | Ultramafic brecciated, contorted, 10-30% white carbonate, barren, possible conglomerate.  |  |              |
| 248.0 255.0          | Weakly silicified and altered with pink carbonate and feldspar along gash planes. Sharp lower contact at 40° to core axis. Traces of pyrite.  |  |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. SW 83-29  
Page No. 2

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| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

---

|             |  |  |  |
|-------------|--|--|--|
| 255.0 277.0 | Ultramafic conglomerate, 60% ultramafic clasts up to 5 cm, 5% conglomerate clasts up to 10 cm, weakly brecciated, few large nodules of pyrite. |  |  |
|-------------|--|--|--|

|       |              |  |  |
|-------|--------------|--|--|
| 277.0 | End of hole. |  |  |
|-------|--------------|--|--|

Dec. 21/83.

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. SW 83-30                             |
| Location: Omega Group                                | Date Started: Oct. 28, 1983                   |
| Level: Surface                                       | Date Finished: Nov. 2, 1983                   |
| Bearing: 20° E of Grid N                             | Logged by: Guy Hinse                          |
| Inclination: -45°                                    | Signed: <u>G. J. Hinse</u>                    |
| Total Depth: 581.0 feet                              | Core Saved or Discarded: Stored at Omega Mine |
| Location of Collar: 36+00W, 11+60N                   | Casing Pulled: (X) or Left: ( )               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Acid Tests: At: 588' -33°                     |
|  | At: 1   |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 34.0             | Casing   |                            |              |
| 34.0 72.0            | 40% basalt tuff material interlayered with 60% quartz and feldspar along bedding, highly sheared, brecciated, 45° to core axis. Barren.  |                            |              |
| 72.0 147.0           | As above, pink-grey, highly silicified and locally hematized, highly brecciated, 1-2% disseminated pyrite. Locally matrix is hematite-rich.<br>127.0-147.0, medium pink-red, highly siliceous, brecciated, 3-5% disseminated pyrite.                 |                            |              |
| 147.0 205.0          | Alteration and brecciation decreasing down hole, at 160.0, well laminated at 60° to core axis. Interlayers of tuff and 20-60% carbonate. Contains sections of highly silicified, pink material as above, locally highly brecciated with 1-3% pyrite. |                            |              |
| 205.0 242.0          | Basaltic tuff, locally well bedded at 60-80° to core axis. Approximately 20% of the tuff is altered to varying stages. Up to 10% carbonate layers. Generally barren.   |                            |              |
| 242.0 272.0          | Mostly beach sediments, micro conglomerate and sandstone, very heterogeneous with mainly basaltic tuff as matrix. Well laminated 60° to core axis.   |                            |              |
| 272.0 287.0          | Finely laminated tuff with 50% carbonate, 60° to core axis, barren.  |                            |              |
| 287.0 297.0          | Conglomerate, few chert clasts in a sandy matrix.  |                            |              |
| 297.0 325.0          | Silicified zone, pink, 2% disseminated pyrite.<br>309.0 on alteration decreases to low, mainly tuffaceous material, well laminated at 60° to core axis.  |                            |              |
| 325.0 349.0          | Well layered carbonate and tuff material at 60° to core axis, locally sandy, generally barren.   |                            |              |
| 349.0 355.0          | Conglomerate, few stretched clasts in a sandy matrix.  |                            |              |
| 355.0 372.0          | Sandstone, 60° to core axis, several sections of micro conglomerate. Some pyrite.  |                            |              |
| 372.0 429.0          | Tuff and carbonate, minor sandy material. Less than 1% pyrite.   | 1262 412.5 417.0           | NIL          |
| 429.0 435.5          | Conglomerate, few mainly chert clasts in a sandy matrix, 60° to core axis.   |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. SW 83-30  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 435.5 441.0          | Carbonate zone with minor tuffaceous material, well laminated at 55° to core axis. 10-15% white and cherty quartz veining, 1-2% disseminated pyrite. Locally sandy.   | 1263             | 435.5 441.0 | 0.002        |
| 441.0 470.0          | Conglomerate as above, 429.0-435.5.   |                  |             |              |
| 470.0 490.0          | Buff carbonate, minor tuffaceous material, locally highly cherty, 1-2% pyrite, minor sandy material.  | 1264             | 470.0 474.5 | 0.002        |
|                      |   | 1265             | 474.5 477.5 | NIL          |
|                      |   | 1266             | 477.5 479.5 | NIL          |
|                      |   | 1267             | 479.5 483.0 | NIL          |
| 490.0 505.5          | Conglomerate, few clasts in a sandy matrix composed of 50-50 buff carbonate and tuffaceous material, 60° to core axis, less than 1% disseminated pyrite.  | 1268             | 507.0 510.2 | 0.02         |
|                      |   | 1269             | 510.2 514.0 | NIL          |
|                      |   | 1270             | 516.0 519.2 | NIL          |
|                      |   | 1271             | 521.5 524.7 | NIL          |
|                      |   | 1272             | 524.7 527.0 | NIL          |
|                      |   | 1273             | 527.0 531.5 | 0.002        |
|                      |   | 1274             | 532.5 534.0 | NIL          |
| 505.5 581.0          | Buff carbonate, 60° to core axis, fairly cherty with 1 to 3% pyrite intermixed with dark grey, cherty mudstone with less than 1% pyrite. Odd chert vein, barren, minor sandstone. At 534.0, top up hole by gradation in mudstone. Last 6.0 feet increasing alteration as in the early part of the hole. |                  |             |              |
| 581.0                | End of hole.  |                  |             |              |

Dec. 21/83.

DIAMOND DRILL LOG

|  |   |                            |
|--|---|----------------------------|
| Company: Lenora Exploration Limited                  | Date Started: Nov. 03/83                      | Hole No. SW 83-31          |
| Location: Omega Group                                | Date Finished: Nov. 06/83                     | Page No. 1                 |
| Level: Surface                                       | Logged by: Guy Hinse                          | Core Size: BQ              |
| Bearing: 20°E of Grid N                              | Core Saved or Discarded: Stored at Omega Mine | Signed: <i>G. J. Hinse</i> |
| Inclination: -45°                                    | Casing Pulled: (X) or Left: ( )               | Acid Tests:                |
| Total Depth: 357.0 feet                              | Project: 1022                                 | At: 350' -36°              |
| Location of Collar: 24+00W, 8+50N                    |   | At:                        |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   |                            |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 114.0            | Casing   |                  |             |              |
| 114.0 116.0          | Brick red dike, weakly brecciated, 1-3% pyrite, sharp contacts, no chilling, at 60° to core axis.  |                  |             |              |
| 116.0 119.0          | Ultramafic, 30-40% white carbonate, brecciated, barren.  |                  |             |              |
| 119.0 155.5          | Basaltic tuff, green, very fine grained, well laminated at 70-80° to core axis, few feldspar and quartz veinlets, locally contorted, generally barren.   |                  |             |              |
| 155.5 186.5          | Sandstone, basaltic tuff with sandstone texture, few odd chert clasts, traces of pyrite. Well laminated 60° to core axis.<br>167.0 & 172.0 foot-long mudstone sections, barren, cherty.  |                  |             |              |
| 186.5 198.0          | Carbonate, buff, 10% tuffaceous material, minor sandy material, few specks of pyrite, 10% quartz veining.  |                  |             |              |
| 198.0 207.5          | Mudstone, dark grey, cherty locally with few specks of pyrite.   |                  |             |              |
| 207.5 225.0          | Weakly to moderately altered rock. Could be a sandstone, silicified. Well laminated at 70° to core axis.   |                  |             |              |
| 225.0 228.0          | Breccia zone, cherty.  |                  |             |              |
| 228.0 280.0          | Altered zone as before. Contains short sections of green mica-rich cherty zone and sections of pink to highly siliceous brick red alteration with up to 5-7% fine disseminated pyrite. Weakly brecciated to laminated at 60° to core axis.<br>254.0-280.0, mainly dark red highly siliceous rock, massive, 1 to 5% fine disseminated pyrite. Like in other holes, contact area is usually highly brecciated host rock. |                  |             |              |
| 280.0 291.0          | Ultramafic, highly contorted, 30-40% white carbonate, locally sheared parallel to core axis, contains clasts of above rock.  |                  |             |              |
| 291.0 357.0          | Medium to dark pink, coarse grained dike? Locally highly cherty with lighter color and up to 10% fine disseminated pyrite. 10-20% white quartz veining with black tourmaline fracture filling.   |                  |             |              |
|                      |  | 1275             | 318.5 321.5 | 0.002        |
|                      |  | 1276             | 330.0 333.6 | 0.01         |
|                      |  | 1277             | 335.7 339.2 | 0.002        |
|                      |  | 1278             | 340.5 345.5 | 0.005        |

357.0 End of hole.

Dec. 21/83.

II-11...30





APPENDIX 4

Diamond Drill Logs of Holes OM 83-28 to OM 83-76

DIAMOND DRILL LOG

|   |  |
|---|--|
| Company: Lenora Exploration Limited               | Hole No. OM 83-28                              |
| Location: Lake Claim                              | Date Started: June 17, 1983                    |
| Level: Surface                                    | Date Finished: June 26, 1983                   |
| Bearing: 43° W of grid                            | Logged by: Guy Hinse                           |
| Inclination: -45°                                 | Signed: <u>G. J. Hinse</u>                     |
| Total Depth: 459.0 feet                           | Core Saved or Discarded: Stored at Omega mine. |
| Location of Collar: 1340E, 500S                   | Casing Pulled: (X) or Left: ( )                |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | Project: 1022                                  |
|   | Acid Tests:                                    |
|   | At: 400' -41°                                  |
|   | At:  |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 14.0             | Casing  |                            |              |
| 14.0 267.0           | Syenite, mafic, coarse grained, medium grey to pink. 80% coarse grey and pink feldspar in a hornblende rich matrix, locally altered to green chlorite. Contains narrow carbonated and silicified sections with traces of pyrite, usually associated with well lined sections of green chlorite, 60° to core axis. |                            |              |
|                      | 0.0-57.0, broken up, several rusty slips.   |                            |              |
|                      | 90.5, ½" quartz vein at 30° to core axis, with adjoining silicification over 2 to 3 feet, traces of pyrite.   |                            |              |
|                      | 104.0-107.5, broken up, vuggy, rusty slips, possible fault.   |                            |              |
|                      | 106.0-107.0, 60-80% quartz patches with traces of pyrite.   |                            |              |
|                      | 112.0-117.0, broken up, rusty slips.  |                            |              |
|                      | 128.0-131.0, altered, carbonated, silicified.   |                            |              |
|                      | 132.0-152.0, finer grained, slightly brecciated.  |                            |              |
|                      | 179.0-193.0, altered zone, well schisted, locally contorted with quartz and/or feldspar patches or veinlets, 60 to 90° to core axis. Mostly green chlorite with 30-40% albite-rich narrow sections.   |                            |              |
|                      | Rusty at 181.0, 182.0, 188.5, 191.0.  |                            |              |
|                      | Alteration decreasing towards 198.0.  |                            |              |
|                      | 198.0, syenite as before, local lineation at 55° to core axis.  |                            |              |
| 267.0 270.0          | Porphyry, dark pink, fine grained, massive, contains a few specks of pyrite. Sharp lower contact, 90° to core axis.   |                            |              |
| 270.0 294.5          | Ultramafic, tuffaceous, very fine grained, barren, 60° to core axis.  |                            |              |
| 294.5 298.5          | Lamprophyre, biotite-carbonate, coarse grained, sharp upper and lower contact at 60° to core axis.  |                            |              |
| 298.5 299.5          | Ultramafic as 270.0-294.5.  |                            |              |
| 299.5 302.5          | Lamprophyre as before, 45° to core axis.  |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-28  
Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 302.5 324.5          | Ultramafic as before.  |                            |              |
| 324.5 340.5          | Syenite as before. Last 2.0 feet, ½" quartz vein parallel to core axis with up to 10% pyrite.                      |                            |              |
| 340.5 363.0          | Ultramafic as before, tuffaceous, 60° to core axis.  |                            |              |
| 363.0 373.0          | Feldspar porphyry, 10% feldspar phenos in a medium to dark grey matrix. Massive, barren.                           |                            |              |
| 373.0 423.0          | Ultramafic as before, one large cluster of pyrite.<br><br>421.0-423.0, carbonate breccia.                          |                            |              |
| 423.0 459.0          | Looks like an argillite, very fine to fine-medium grained, apparent bedding at 60° to core axis with tops up hole. |                            |              |
| 459.0                | End of hole.   |                            |              |

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. 83-29                                |
| Location: Omega Group                             | Date Started: June 27/83                      |
| Level: Surface                                    | Date Finished: June 28/83                     |
| Bearing: 329°                                     | Logged by: Guy Hinse                          |
| Inclination: -52°                                 | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 217.0 feet                           | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 1317E, 1132N                  | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |   |

Page No. 1  
 Core Size: BQ  
 Signed: G. J. Hinse  
 Acid Tests:  
 At: No test.  
 At:

| Footage From - To    | Geological & Physical Description  | Sample Number | From - To   | Au oz/ton |
|----------------------|--|---------------|-------------|-----------|
| 0.0 35.0             | Casing   |               |             |           |
| 35.0 108.0           | Buff carbonate mudstone, fairly well laminated at 35° to core axis, 10 to 30% chert, little pyrite.                                      | 178           | 35.0 43.3   | NIL       |
|                      |  | 179           | 43.3 48.7   | 0.01      |
| 50.0-51.1            | carbonate-chlorite breccia, 40° to core axis.  | 180           | 48.7 51.5   | 0.01      |
|                      |  | 181           | 51.5 59.0   | 0.002     |
| 60.0-69.0            | 50% quartz and/or chert, 1% pyrite locally. Brecciated, broken up to 5-10% pyrite.   | 182           | 59.0 62.1   | 0.10      |
|                      |  | 183           | 62.1 64.5   | 0.05      |
|                      |  | 184           | 64.5 67.0   | 0.10      |
|                      |  | 185           | 67.0 69.9   | 0.06      |
|                      |  | 186           | 69.9 72.1   | 0.005     |
|                      |  | 187           | 72.1 76.6   | 0.005     |
| 72.5                 | buff carbonate, less than 10% chert, 35° to core axis.   | 188           | 76.6 83.0   | 0.005     |
|                      |  | 189           | 83.0 88.0   | 0.002     |
|                      |  | 190           | 88.0 90.2   | 0.02      |
|                      |  | 191           | 90.2 92.1   | 0.005     |
| 93.0-108.0           | homogeneous grey mudstone or grey carbonate as on surface, well laminated 50° to core axis.  | 192           | 92.1 97.0   | 0.19      |
| 93.0-94.0; 95.5-97.0 | quartz breccia.  | 193           | 97.0 100.1  | NIL       |
|                      |  | 194           | 100.1 103.0 | 0.002     |
|                      |  | 195           | 103.0 106.2 | 0.005     |
|                      |  | 196           | 106.2 108.3 | 0.01      |
| 108.0 127.0          | Mineralized grey carbonate, up to 40% quartz locally. Contains up to 10% fine disseminated pyrite, somewhat decreasing to 2-5% at 115.0. | 197           | 108.3 111.2 | 0.08      |
|                      |  | 198           | 111.2 115.7 | 0.40      |
|                      |  | 199           | 115.7 118.1 | 0.005     |
|                      |  | 200           | 118.1 121.7 | 0.02      |
|                      |  | 201           | 121.7 124.2 | 0.03      |
|                      |  | 202           | 124.2 127.4 | 0.002     |
| 127.0 146.0          | Grey mudstone, less than 5% quartz, 35° to core axis, Homogeneous, contains muscovite.   | 203           | 127.4 130.5 | 0.002     |
|                      |  | 204           | 130.5 132.4 | 0.27      |
|                      |  | 205           | 132.4 140.0 | .002      |
|                      |  | 206           | 140.0 146.0 | .002      |

59.0-69.9  
10.9 .078

3.1  
2.4  
2.5  
2.9  
10.9

92.1-132.4  
40.3 .091  
92.1-115.7  
23.6' .127

4.9  
3.1  
2.9  
3.2  
2.1  
2.9  
4.5  
2.1  
3.6  
2.5  
3.2  
3.1  
1.9  
2.1  
1.9

108.3-132.4  
24.1 .113  
128.4-132.4  
.129

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie township.

Project No: 1022

Hole No. OM 83-29  
Page No. 2

---

| Footage<br>From - To | Geological & Physical Description | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|-----------------------------------|------------------|-----------|--------------|
|----------------------|-----------------------------------|------------------|-----------|--------------|

---

|       |       |   |                 |      |
|-------|-------|---|-----------------|------|
| 146.0 | 153.0 | Buff carbonate, 10% chert, locally green. |                 |      |
|       |       |   | 207 146.0 149.0 | .002 |
|       |       |   | 208 149.0       | .002 |

153.0-217.0 Ultramafic carbonate, well carbonated to dull shades of light green with carbonate content decreasing down hole. Several rusty slips with changes in schistosity from 30 to 90° to core axis.

217.0 End of hole.

AVERAGES:

59.0 to 69.9, 10.9 feet of 0.078  
92.1 to 132.4, 40.3 feet of 0.091  
92.1 to 115.7, 23.6 feet of 0.127  
108.3 to 132.4, 24.1 feet of 0.113

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. OM 83-30                             |
| Location: Omega Group                             | Date Started: <u>June 28, 1983</u>            |
| Level: Surface                                    | Date Finished: <u>June 30, 1983</u>           |
| Bearing: 016°                                     | Core Size: BQ                                 |
| Inclination: -45°                                 | Logged by: Guy Hinse                          |
| Total Depth: 307.0 feet                           | Core Saved or Discarded: Stored at Omega mine |
| Location of Collar: 1317E, 1132N                  | Casing Pulled: (X) or Left: ( )               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | Project: 1022                                 |
|   | Acid Tests: At: 300' 40°                      |
|   | At:   |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 27.0             | Casing   |                  |             |              |
| 27.0 111.0           | Buff-grey to grey-buff carbonate, weakly brecciated to laminated parallel to 20° to core axis. | 102              | 44.2 45.2   | .002         |
|                      |  | 103              | 46.6 46.9   | NIL          |
|                      |  | 104              | 48.7 50.5   | NIL          |
|                      |  | 105              | 51.6 52.6   | NIL          |
|                      |  | 106              | 54.5 56.2   | .002         |
|                      |  | 142              | 56.2 57.5   | .005         |
|                      |  | 143              | 59.0 62.3   | .002         |
|                      |  | 144              | 63.7 67.5   | .002         |
|                      |  | 145              | 68.1 70.2   | .002         |
|                      |  | 146              | 70.2 71.0   | .002         |
|                      | 71.0-74.0, highly rusty, vuggy.  | 147              | 71.0 71.9   | .002         |
|                      |  | 148              | 71.9 72.9   | .002         |
|                      |  | 149              | 72.9 74.0   | .005         |
|                      |  | 150              | 74.0 75.2   | .005         |
|                      |  | 151              | 76.4 79.1   | .005         |
|                      | 83.0-89.0, ultramafic carbonate.   | 152              | 85.1 87.2   | .002         |
|                      |  | 153              | 88.7 90.3   | NIL          |
|                      |  | 154              | 92.4 93.6   | .005         |
|                      |  | 107              | 93.6 95.7   | .002         |
|                      |  | 108              | 102.1 104.3 | .005         |
|                      |  | 109              | 104.3 106.7 | .002         |
|                      |  | 110              | 107.0 108.9 | NIL          |
|                      |  | 111              | 108.9 110.6 | NIL          |
| 111.0 135.0          | Ultramafic carbonate grading into ultramafic at 135.0.   | 112              | 111.5 113.6 | NIL          |
|                      |  | 113              | 113.6 116.4 | NIL          |
|                      |  | 114              | 116.4 118.4 | NIL          |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-30  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description                             | Sample<br>Number | From  | To    | Au<br>oz/ton |
|----------------------|---|------------------|-------|-------|--------------|
|                      |   | 116              | 118.4 | 121.0 | NIL          |
|                      |   | 117              | 121.0 | 123.2 | NIL          |
|                      |   | 118              | 123.2 | 125.8 | NIL          |
|                      | 125.0-128.0, highly rusty, vuggy.                             | 119              | 125.8 | 127.9 | NIL          |
|                      |   | 120              | 127.9 | 130.2 | NIL          |
|                      |   | 121              | 130.2 | 132.1 | NIL          |
|                      |   | 122              | 132.1 | 134.9 | NIL          |
|                      | 135.0 223.0 Grey cherty shaly carbonate, less than 1% pyrite. | 123              | 137.0 | 140.1 | NIL          |
|                      |   | 124              | 143.6 | 144.6 | NIL          |
|                      |   | 125              | 147.0 | 149.8 | NIL          |
|                      |   | 126              | 150.5 | 152.0 | NIL          |
|                      |   | 127              | 152.0 | 153.9 | NIL          |
|                      |   | 128              | 153.9 | 154.6 | NIL          |
|                      |   | 129              | 154.6 | 156.1 | NIL          |
|                      |   | 130              | 156.1 | 157.8 | NIL          |
|                      |   | 131              | 157.8 | 159.3 | .002         |
|                      |   | 132              | 159.3 | 161.4 | NIL          |
|                      |   | 133              | 161.4 | 164.2 | NIL          |
|                      |   | 134              | 164.2 | 166.2 | NIL          |
|                      |   | 135              | 166.2 | 169.8 | .002         |
|                      |   | 136              | 169.8 | 171.2 | NIL          |
|                      |   | 137              | 173.2 | 176.2 | NIL          |
|                      |   | 138              | 176.2 | 178.6 | NIL          |
|                      |   | 139              | 178.6 | 181.5 | NIL          |
|                      |   | 140              | 183.0 | 185.4 | NIL          |
|                      |   | 141              | 185.4 | 188.2 | NIL          |
|                      |   | 155              | 188.7 | 192.8 | NIL          |
|                      |   | 156              | 192.8 | 195.7 | .002         |
|                      |   | 157              | 195.7 | 197.8 | 0.02         |
|                      |   | 158              | 197.8 | 200.7 | 0.02         |
|                      |   | 159              | 200.7 | 202.8 | 0.02         |
|                      |   | 160              | 202.8 | 205.7 | 0.01         |
|                      |   | 161              | 205.7 | 207.0 | 0.01         |
|                      |   | 162              | 207.0 | 209.7 | 0.01         |
|                      |   | 163              | 209.7 | 215.9 | 0.01         |
|                      |   | 164              | 215.9 | 222.0 | 0.005        |
|                      |   | 165              | 222.0 | 223.5 | 0.01         |
|                      |   | 166              | 224.0 | 227.7 | 0.002        |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-30  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
|                      | 225.5, 3 inches of fault gouge.   | 167              | 227.7 233.2 | NIL          |
| 225.5 274.0          | Grey highly brecciated cherty mudstone or carbonate. Looks like a recrystallized and silicified graphitic rock or mudstone. |                  |             |              |
|                      | 255.0 and 257.0, 8 inches of graphitic cherty shale.  | 168              | 233.2 243.2 | 0.005        |
|                      |   | 169              | 243.2 248.5 | 0.01         |
|                      |   | 170              | 248.5 252.5 | NIL          |
|                      |   | 171              | 252.5 255.0 | 0.002        |
|                      |   | 172              | 255.0 259.7 | 0.004        |
|                      |   | 173              | 259.7 261.0 | 0.005        |
|                      |   | 174              | 261.0 264.0 | 0.005        |
|                      |   | 175              | 264.0 268.7 | 0.002        |
|                      |   | 176              | 268.7 273.5 | 0.002        |
|                      |   | 177              | 273.5 278.4 | NIL          |
| 274.0 307.0          | Buff carbonate, highly brecciated at first, massive to weakly laminated, very fine grained locally, looks recrystallized.   |                  |             |              |
| 307.0                | End of hole.  |                  |             |              |
|                      | NO AVERAGE CALCULATED.  |                  |             |              |



DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. 83-31                                |
| Location: Omega Group                             | Date Started: July 1, 1983                    |
| Level: Surface                                    | Date Finished: July 4, 1983                   |
| Bearing: 295°                                     | Logged by: Guy Hinse                          |
| Inclination: -45°                                 | Signed: <u>G. J. Hinse</u>                    |
| Total Depth: 256.0 feet                           | Core Saved or Discarded: Stored at Omega Mine |
| Location of Collar: 1317E, 1132N                  | Casing Pulled: (X) or Left: ( )               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | Project: 1022                                 |
|   | Acid Tests: At: 256' -40°                     |
|   | At:   |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 35.0             | Casing  |                  |             |              |
| 35.0 73.0            | Carbonate, buff to green with short sections of cherty pyritized mudstone or cherty carbonate with white quartz veining, 3-4% pyrite. | 209              | 35.0 37.8   | 0.02         |
|                      |   | 210              | 37.8 42.5   | 0.002        |
|                      |   | 211              | 42.5 45.5   | 0.002        |
|                      |   | 212              | 45.5 48.6   | 0.005        |
|                      |   | 213              | 48.6 51.7   | 0.002        |
|                      |   | 214              | 51.7 53.6   | 0.04         |
|                      |   | 215              | 53.6 58.0   | 0.005        |
|                      |   | 216              | 58.0 60.5   | 0.005        |
|                      |   | 217              | 60.5 63.0   | 0.02         |
|                      |   | 218              | 63.0 64.9   | 0.035        |
|                      |   | 219              | 64.9 68.4   | 0.01         |
|                      |   | 220              | 68.4 70.5   | 0.02         |
|                      |   | 221              | 70.5 71.8   | 0.002        |
|                      |   | 222              | 71.8 73.2   | 0.01         |
| 73.0 76.0            | Highly brecciated white quartz breccia.   | 223              | 73.2 75.8   | 0.03         |
| 76.0 101.0           | Mineralized carbonate or pyritized-carbonate mudstone.  | 224              | 75.8 78.6   | 0.06         |
|                      |   | 225              | 78.6 83.1   | 0.04         |
|                      |   | 226              | 83.1 85.7   | 0.02         |
|                      |   | 227              | 85.7 91.0   | NIL          |
|                      |   | 228              | 91.0 94.0   | 0.03         |
|                      |   | 229              | 94.0 98.0   | .002         |
|                      |   | 230              | 98.0 101.7  | 0.17 3.7     |
| 101.0 160.0          | Interlayered tuffaceous carbonate and weakly syenitized rock with 3-10% pyrite, grading into tuff at 115.0.                           | 231              | 101.7 103.4 | 0.07 1.7     |
|                      |   | 232              | 103.4 107.0 | 0.50 3.6     |
|                      |   | 233              | 107.0 113.0 | 0.002 6.0    |
|                      |   | 234              | 113.0 115.9 | 0.25 2.9     |
|                      |   | 235              | 115.9 120.7 | 0.002        |
|                      |   | 236              | 120.7 123.0 | 0.01         |
|                      |   | 237              | 123.0 125.5 | 0.02         |
|                      |   | 323              | 123.6 127.0 | NIL          |
|                      |   | 324              | 127.0 132.0 | .002         |
|                      |   | 325              | 132.0 137.0 | NIL          |
|                      |   | 326              | 137.0 142.0 | NIL          |

98.0 - 115.9  
17.9      .184

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-31  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
|                      |   | 327              | 142.0 147.0 | .002         |
|                      |   | 238              | 147.0 150.0 | 0.03         |
|                      |   | 239              | 150.0 154.0 | 0.38 4.0     |
|                      |   | 301              | 154.0 157.4 | 0.002 3.4    |
| 160.0 205.0          | Green carbonate, 20-30% white quartz.<br>Section from 73.0 to 186.0 contains numerous short sections of quartz breccia, usually well mineralized. |                  |             |              |
|                      |   | 302              | 157.4 162.5 | 0.01 5.1     |
|                      |   | 240              | 162.5 166.5 | 0.76 4.0     |
|                      |   | 303              | 166.5 169.1 | 0.002 2.6    |
|                      |   | 304              | 169.1 171.6 | 0.21 2.5     |
|                      |   | 305              | 171.6 174.1 | 0.02 2.5     |
|                      |   | 306              | 174.1 177.0 | 0.04 2.9     |
|                      |   | 241              | 177.0 179.7 | 0.06 2.7     |
|                      |   | 307              | 179.7 182.3 | 0.24 2.6     |
|                      |   | 308              | 182.3 187.3 | 0.01         |

150.0-166.5  
16.5 .28

150.0-182.3  
32.3 .189

}  
}

Grading into a dull green carbonate at 191.0.

205.0 212.0 Ultramafic carbonate

212.0 256.0 Ultramafic.  
249.0-252.0, rusty, broken, vuggy.

256.0 End of hole.

AVERAGES:

98.0 to 115.9, 17.9 feet of 0.184  
 150.0 to 166.5, 16.5 feet of 0.28  
 150.0 to 182.3, 32.3 feet of 0.189

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. 83-32                                |
| Location: Omega Group                             | Date Started: July 4, 1983                    |
| Level: Surface                                    | Date Finished: July 7, 1983                   |
| Bearing: 305°                                     | Logged by: Guy Hinse                          |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 337.0 feet                           | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 1006N, 1304E                  | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |   |

|                                  |
|----------------------------------|
| Page No. 1                       |
| Core Size: BQ                    |
| Signed: <u>G. J. [Signature]</u> |
| Acid Tests:                      |
| At: 337' -36°                    |
| At:                              |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 12.0             | Casing   |                  |             |              |
| 12.0 55.0            | Carbonate, dull grey-green, laminated to weakly brecciated, 60° to core axis.  | 242              | 22.7 27.0   | .002✓        |
|                      |  | 243              | 50.7 55.0   | .005✓        |
| 55.0 68.5            | Cherty mudstone, massive to brecciated, up to 20% pyrite.  | 244              | 55.0 57.3   | 0.13✓        |
|                      |  | 245              | 57.3 59.8   | 0.02✓        |
|                      |  | 246              | 59.8 62.0   | .005         |
|                      |  | 247              | 62.0 65.9   | 0.03         |
|                      |  | 248              | 65.9 68.4   | 0.01✓        |
| 68.5 91.0            | Carbonate, buff to grey, well laminated at 55° to core axis.   | 250              | 68.4 73.0   | NIL✓         |
|                      |  | 249              | 85.4 87.9   | .005✓        |
|                      |  | 251              | 87.9 90.0   | .005✓        |
| 91.0 121.0           | Massive to weakly laminated grey carbonate, 50° to core axis.<br>At 103.0, carbonate becomes cherty, with less than 1% pyrite. | 252              | 102.6 107.8 | 0.03✓        |
|                      |  | 253              | 107.8 110.0 | 0.06         |
|                      |  | 254              | 110.0 112.3 | 0.01✓        |
|                      |  | 255              | 112.3 115.0 | 0.01✓        |
|                      |  | 256              | 115.0 117.3 | 0.03✓        |
|                      |  | 257              | 117.3 120.3 | 0.01✓        |
| 121.0 147.0          | Almost all basalt tuff, finely laminated at 60° to core axis.  |                  |             |              |
| 147.0 152.0          | Buff carbonate.  | 258              | 146.8 150.7 | 0.01✓        |
| 152.0 156.0          | Grey carbonate, shaly, followed by 6 inches of graphite schist at 156.0.   | 259              | 150.7 154.9 | 0.01✓        |
|                      |  | 260              | 154.9 157.2 | .002✓        |
| 156.0 185.0          | Carbonate, buff, well laminated at 55° to core axis. Local short sections of green carbonate.                                  | 261              | 157.2 159.8 | NIL✓         |
|                      |  | 262              | 172.2 175.9 | 0.01         |

55.0-57.3  
2.3 .13

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-32  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|-----------------------------------|------------------|-----------|--------------|
|----------------------|-----------------------------------|------------------|-----------|--------------|

At 185.0, 6 inches brecciated with hematized fractures.

185.0 227.0 Grey carbonate to buff, well laminated. Contains short sections of cherty carbonate or mudstone with up to 5% fine pyrite.

*196.7-216.9  
 20.2 0.035*

|     |       |       |          |
|-----|-------|-------|----------|
| 263 | 184.7 | 188.0 | 0.05     |
| 264 | 188.0 | 190.3 | 0.01     |
| 265 | 190.3 | 196.7 | 0.02     |
| 266 | 196.7 | 200.7 | 0.04 4.0 |
| 267 | 200.7 | 202.8 | 0.07 2.1 |

At 202.0, 1.0 foot shaly grey carbonate.

|     |       |       |           |
|-----|-------|-------|-----------|
| 268 | 202.8 | 208.0 | 0.04 5.2  |
| 840 | 208.0 | 214.3 | 0.002 6.3 |
| 269 | 214.3 | 216.9 | 0.07 2.6  |
| 270 | 216.9 | 219.3 | 0.01      |

Locally weakly syenitized, particularly from 219.0 to 227.0, with less than 3% pyrite and 1% chalcopyrite.

|     |       |       |     |
|-----|-------|-------|-----|
| 841 | 219.3 | 222.5 | NIL |
| 842 | 222.5 | 227.0 | NIL |

227.0 247.0 Carbonate, buff changing to grey-green to green to almost brilliant green at 240.0.

|     |       |       |       |
|-----|-------|-------|-------|
| 862 | 227.0 | 231.1 | 0.002 |
|-----|-------|-------|-------|

247.0 265.0 Tuffaceous grey carbonate, laminated at 60° to core axis.

265.0 270.5 Ultramafic grey carbonate, laminated to weakly brecciated, 60° to core axis.

270.5 276.5 Grey-green carbonate, laminated 60° to core axis, 10% white quartz with 1-2% pyrite.

|     |       |       |       |
|-----|-------|-------|-------|
| 271 | 270.0 | 274.0 | 0.005 |
|-----|-------|-------|-------|

276.5 278.0 Shaly grey carbonate, 60° to core axis.

|     |       |       |     |
|-----|-------|-------|-----|
| 272 | 277.8 | 281.0 | NIL |
|-----|-------|-------|-----|

278.0 289.0 Buff green carbonate, laminated to weakly brecciated, 60° to core axis.

289.0 307.0 Ultramafic carbonate grading into ultramafic.  
 294.0-297.0, several rusty fractures, brecciated with folding along core at 304.0, weakly hematized fracture.  
 307.0, brecciated, rusty fracture.

307.0 337.0 Ultramafic, 20-30% white carbonate, weakly brecciated.

337.0 End of hole.

AVERAGES:

196.7 to 216.9, 20.2 feet of 0.035

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. 83-33                                |
| Location: Omega Group                             | Date Started: July 7, 1983                    |
| Level: Surface                                    | Date Finished: July 10, 1983                  |
| Bearing: 318°                                     | Logged by: Guy Hinse                          |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 501.0 feet                           | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 1205E, 965N                   | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. |   |

Page No. 1  
 Core Size: BQ  
 Signed: G. J. Hinse  
 Acid Tests:  
 At: 501' -33°  
 At:

| Footage From - To | Geological & Physical Description   | Sample Number | From - To   | Au oz/ton   |
|-------------------|---|---------------|-------------|-------------|
| 0.0 16.0          | Casing  |               |             |             |
| 16.0 26.5         | Carbonated ultramafice, 10-20% quartz locally, brecciated.                                  | 273           | 21.3 26.5   | NIL ✓       |
| 26.5 66.0         | Buff-grey carbonate, less than 10% quartz   |               |             |             |
| 66.0 87.0         | Med. grey mudstone, highly cherty locally to rich in sericite. Containing up to 10% pyrite. |               |             |             |
|                   | 77.0 highly cherty black mudstone, up to 3-5% pyrite, brecciated.                           | 274           | 65.8 68.1   | 0.005 ✓     |
|                   |   | 275           | 70.5 72.0   | NIL ✓       |
|                   |   | 276           | 74.0 76.5   | 0.002 ✓     |
|                   |   | 277           | 76.5 82.0   | 0.002 ✓     |
|                   |   | 278           | 82.0 85.0   | 0.02 ✓      |
|                   |   | 279           | 85.0 87.4   | 0.002 ✓     |
| 87.0 93.0         | Buff carbonate.   |               |             |             |
| 93.0 97.0         | Highly cherty black mudstone, less than 1% pyrite.  | 280           | 93.8 98.1   | 0.002 ✓     |
| 97.0 140.0        | Grey buff carbonate, brecciated.  |               |             |             |
|                   |   | 281           | 139.8 142.7 | 0.01 ✓      |
| 140.0 145.0       | Graphitic shale.  | 282           | 142.7 145.2 | 0.005 ✓     |
| 145.0 192.0       | Highly cherty mudstone, grey, up to 10% pyrite.   | 283           | 145.2 148.0 | 0.005 ✓     |
|                   |   | 284           | 148.0 150.3 | .005 ✓      |
|                   |   | 285           | 153.0 156.2 | 0.01 ✓      |
|                   |   | 744           | 156.2 167.0 | 0.002 ✓     |
|                   | 167.0 highly cherty with short syenitized sections, up to 20% pyrite, disseminated.         | 286           | 167.0 171.0 | 0.03 ✓      |
|                   |   | 287           | 171.0 173.0 | 0.245 } 2.0 |
|                   |   | 288           | 173.0 177.9 | 0.12 } 4.9  |

171.0 - 177.9  
 6.9 .156

DIAMOND DRILL LOG

Company: Lenora Explorations Limited  
 Project: McVittie Township

Project No: 1022

Hole No.83-33  
 Page No.2

| Footage<br>From - To      | Geological & Physical Description  | Sample<br>Number | From  | To    | Au<br>oz/ton |
|---------------------------|--|------------------|-------|-------|--------------|
|                           |  | 391              | 177.9 | 180.1 | 0.005-       |
|                           |  | 289              | 180.1 | 182.9 | 0.002-       |
|                           |  | 290              | 182.9 | 184.7 | 0.075- 1.8   |
|                           |  | 291              | 184.7 | 186.5 | 0.02- 1.8    |
|                           |  | 292              | 186.5 | 188.9 | 0.04- 2.4    |
|                           |  | 293              | 188.9 | 191.5 | 0.01-        |
| 182.9-188.9<br>6.0 .045   |  |                  |       |       |              |
| 192.0 195.0               | Buff-grey carbonate, shaly.  |                  |       |       |              |
| 195.0 227.0               | Mudstone, grey-pink, syenitized almost throughout. Contains less than 1-2% pyrite.                                     |                  |       |       |              |
|                           |  | 732              | 191.5 | 195.0 | 0.01-        |
|                           |  | 733              | 195.0 | 198.0 | 0.005-       |
|                           |  | 734              | 198.0 | 201.0 | 0.002-       |
|                           |  | 735              | 201.0 | 204.0 | NIL-         |
|                           |  | 736              | 204.0 | 206.8 | NIL-         |
|                           |  | 737              | 206.8 | 209.8 | 0.01-        |
|                           |  | 738              | 209.8 | 212.8 | 0.002-       |
|                           |  | 739              | 212.8 | 215.8 | 0.025-       |
| 740<br>1<br>2<br>3        | 215.8 218.8 NIL<br>218.8 221.8 NIL<br>221.8 224.8 NIL<br>224.8 226.8 NIL   |                  |       |       |              |
| 227.0 251.0               | Highly cherty mudstone, 5-10% pyrite.  |                  |       |       |              |
|                           |  | 294              | 230.7 | 233.4 | 0.03-        |
|                           |  | 295              | 233.4 | 237.1 | 0.01-        |
|                           |  | 296              | 237.1 | 239.2 | 0.05-        |
|                           | 239.0 - 242.0 dirty, tuffaceous.   |                  |       |       |              |
|                           |  | 297              | 239.2 | 242.2 | 0.002-       |
|                           |  | 298              | 242.2 | 245.3 | 0.222- 3.1   |
|                           |  | 299              | 245.3 | 248.0 | 0.02- 2.7    |
|                           |  | 309              | 248.0 | 251.5 | 0.13- 3.5    |
| 242.2-251.5<br>9.3' .129  |  |                  |       |       |              |
| 251.0 272.0               | Buff carbonate, less than 10% quartz, laminated to brecciated.   |                  |       |       |              |
|                           |  | 745              | 251.5 | 254.5 | 0.002-       |
|                           |  | 746              | 254.5 | 259.5 | 0.002-       |
|                           |  | 747              | 259.5 | 262.5 | NIL-         |
|                           |  | 748              | 262.5 | 264.9 | NIL-         |
|                           |  | 310              | 264.9 | 270.5 | NIL-         |
| 272.0 296.0               | Cherty mudstone grading into tuffaceous mudstone at 274.0.   |                  |       |       |              |
|                           |  | 749              | 270.5 | 272.2 | NIL-         |
|                           |  | 311              | 272.2 | 274.8 | 0.25- 2.6    |
|                           |  | 312              | 274.8 | 277.1 | .002 1.4     |
|                           |  | 750              | 277.1 | 282.0 | NIL-         |
|                           |  | 751              | 282.0 | 287.0 | NIL-         |
|                           |  | 752              | 287.0 | 292.0 | NIL-         |
|                           |  | 753              | 292.0 | 296.8 | NIL-         |
| 272.2-274.8<br>0.25' 2.6' |  |                  |       |       |              |
| 296.0 330.0               | Grey carbonate, somewhat homogeneous. Changing into a buff carbonate at 312.0. Up to 10% quartz with black tourmaline. |                  |       |       |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-33  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description                                      | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 313              | 296.8 300.3 | 0.005 -      |
|                      |  | 314              | 304.0 308.1 | 0.005 -      |
|                      |  | 315              | 308.1 310.5 | NIL -        |
|                      |  | 316              | 313.9 316.5 | NIL -        |
|                      |  | 317              | 316.5 318.9 | 0.155 -      |
|                      |  | 318              | 318.9 321.5 | 0.02 -       |
|                      |  | 319              | 321.5 325.0 | NIL -        |
|                      |  | 320              | 327.5 330.9 | 0.03 -       |
| 330.0 346.0          | Green carbonate, dull green.<br>1.0' of green mica sandstone at 330.0? | 321              | 330.9 333.8 | .005 -       |
|                      |  | 322              | 333.8 337.0 | .002 -       |
| 346.0 500.0          | Carbonated ultramafic.   |                  |             |              |
| 500.0                | End of hole.   |                  |             |              |

*316.5 - 318.9  
 2.4 .155*

*2.4 }  
 1.6 }  
 .101  
 4.0'*

AVERAGES:

171.0 to 177.9, 6.9 feet of 0.156  
 182.9 to 188.9, 6.0 feet of 0.045  
 242.2 to 251.5, 9.3 feet of 0.129

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. 83-34                                |
| Location: Omega Group                             | Date Started: July 10, 1983                   |
| Level: Surface                                    | Date Finished: July 12, 1983                  |
| Bearing: 345°                                     | Logged by: Guy Hinse                          |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 317.0'                               | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 1000E, 929N                   | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | At: 317' -44°                                 |

Page No. 1  
Core Size: BQ  
Signed: G. J. Hinse  
Acid Tests:  
At:

| Footage From - To | Geological & Physical Description  | Sample Number | From  | To    | Au oz/ton |
|-------------------|--|---------------|-------|-------|-----------|
| 0.0 14.0          | Casing   |               |       |       |           |
| 14.0 19.5         | Ultramafic.  |               |       |       |           |
| 19.5 44.0         | Grey carbonate, muddy, with short sections of grey and buff carbonate.   | 832           | 39.8  | 45.0  | 0.03      |
| 44.0 51.0         | Cherty and brecciated grey carbonate with little pyrite. 50.0-51.0, highly cherty, with rusty fracture parallel to core axis.  | 833           | 45.0  | 49.0  | 0.10      |
|                   |  | 390           | 49.0  | 51.5  | 0.04      |
| 51.0 71.0         | Highly cherty mudstone or homogeneous grey carbonate. Up to 10% diss'd pyrite. Locally highly brecciated and muddy such as 66.0 to 68.0 and 70.0. Looks like a recrystallized graphitic shale or mudstone. | 834           | 51.5  | 54.0  | 0.04      |
|                   |  | 835           | 54.0  | 57.9  | 0.02      |
|                   |  | 836           | 57.9  | 61.3  | 0.005     |
|                   |  | 837           | 61.3  | 63.4  | 0.01      |
|                   |  | 838           | 63.4  | 67.9  | NIL       |
|                   |  | 839           | 67.9  | 71.1  | NIL       |
| 71.0 115.0        | Carbonate, buff, well laminated at 60° to core axis. Up to 10% white quartz. At 105.0 grades into a muddy grey carbonate.  |               |       |       |           |
| 115.0 138.5       | Cherty mudstone with section of homogeneous grey mudstone.   | 392           | 115.0 | 117.8 | 0.002     |
|                   |  | 393           | 129.1 | 131.5 | 0.002     |
|                   | 132.0, broken up, brecciated, slightly rusty.  | 394           | 135.5 | 138.2 | 0.005     |
| 138.5 176.0       | Tuffaceous carbonate, grey-green. 172.0 8" highly broken up, all in small pieces of ¼" or less, rusty fractures at 30° to core axis.   | 391           | 177.9 | 180.1 | .002      |
| 176.0 192.0       | Carbonate, grey, brecciated to weakly laminated at 45° to core axis.   |               |       |       |           |
| 192.0 249.0       | Graphitic shale, locally cherty, heavily brecciated, little or no pyrite.  |               |       |       |           |

39.8 - 54.0  
142

0.53

5.2  
4.0  
2.5  
2.5



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-34  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To | Au<br>oz/ton |         |
|----------------------|--|------------------|-----------|--------------|---------|
|                      |  | 395              | 192.0     | 195.5        | NIL /   |
|                      |  | 396              | 195.5     | 199.0        | 0.002 / |
| 196.0,               | 6" calcite with hematized fracture.  |                  |           |              |         |
|                      |  | 397              | 202.0     | 205.0        | 0.002 / |
|                      |  | 398              | 205.0     | 208.0        | 0.002 / |
|                      |  | 399              | 208.0     | 212.0        | NIL /   |
|                      |  | 400              | 212.0     | 216.0        | NIL /   |
|                      |  | 401              | 216.0     | 221.5        | NIL /   |
|                      |  | 402              | 221.5     | 223.0        | 0.03 /  |
|                      |  | 403              | 223.0     | 225.5        | 0.02 /  |
|                      |  | 404              | 225.5     | 228.0        | 0.005 / |
|                      |  | 793              | 229.1     | 231.3        | 0.002 / |
|                      |  | 794              | 231.3     | 233.5        | 0.002 / |
|                      |  | 795              | 233.5     | 238.0        | 0.002 / |
|                      |  | 796              | 238.0     | 241.3        | 0.005 / |
| 239.0,               | grading into a highly cherty mudstone, 10% pyrite.   |                  |           |              |         |
|                      |  | 405              | 241.3     | 245.0        | 0.11    |
|                      |  | 406              | 245.0     | 247.5        | 0.09    |
|                      |  | 407              | 247.5     | 249.5        | 0.603   |
|                      | Brecciated and hematized fractures at 207.0, 212.0, 213.0, 220.0, 225.0, 237.0, 243.0.   |                  |           |              |         |
| 249.0                | 317.0 Carbonate, homogeneous grey, laminated locally at 60° to 90° to core axis. Few specks of pyrite. Contains some narrow sections of tuffaceous material (inches) |                  |           |              |         |
|                      |  | 408              | 249.5     | 252.5        | 0.12    |
|                      |  | 797              | 252.5     | 256.3        | 0.01 /  |
|                      |  | 798              | 256.3     | 259.3        | 0.005 / |
|                      |  | 799              | 259.3     | 262.3        | 0.002 / |
|                      |  | 800              | 262.3     | 267.2        | NIL /   |
|                      |  | 440              | 305.9     | 309.8        | 0.002 / |
|                      |  | 441              | 309.8     | 313.3        | NIL /   |
|                      |  | 442              | 313.3     | 317.0        | 0.002 / |

*241.3-252.5*

*11.2, 196*

*3.7*  
*2.5*  
*2.0*

*5.0*

317.0 End of hole.

AVERAGES:

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. 83-35                                |
| Location: Omega Group                             | Date Started: July 13, 1983                   |
| Level: Surface                                    | Date Finished: July 17, 1983                  |
| Bearing: 013°                                     | Core Size: BQ                                 |
| Inclination: -45°                                 | Logged by: Guy Hinse                          |
| Total Depth: 427.0 feet                           | Signed: <u>G. J. Hinse</u>                    |
| Location of Collar: 1285E, 898N                   | Core Saved or Discarded: Stored at Omega Mine |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | Casing Pulled: (X) or Left: ( )               |
|   | Project: 1022                                 |
|   | Acid Tests:                                   |
|   | At: 427' -38°                                 |
|   | At:   |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 36.0             | Casing  |                  |             |              |
| 36.0 54.5            | Graphitic shale and cherty mudstone. Highly brecciated for first 3.0 feet.  | 409              | 42.0 46.0   | NIL /        |
|                      |   | 410              | 46.0 49.2   | 0.02 /       |
|                      |   | 411              | 49.2 53.0   | 0.002 /      |
| 54.5 116.5           | Shaly grey carbonate, tuffaceous, contorted, minor folds. Contains some short sections of mineralized cherty mudstone. Schistosity more or less parallel to core. | 412              | 63.0 67.0   | 0.005 /      |
|                      |   | 413              | 80.0 83.1   | 0.005 /      |
|                      |   | 414              | 87.0 89.8   | 0.02 /       |
|                      |   | 415              | 104.6 106.5 | 0.002 /      |
|                      |   | 716              | 111.5 116.0 | 0.002 /      |
| 116.5 137.0          | Graphitic shale with short sections of grey muddy carbonate, less than 1% pyrite.   | 717              | 116.0 120.0 | 0.02 /       |
|                      |   | 718              | 120.0 123.8 | NIL /        |
|                      |   | 719              | 123.8 128.0 | NIL /        |
|                      |   | 720              | 133.0 136.5 | 0.002 /      |
| 137.0 148.0          | Grey buff carbonate with up to 10-15% white quartz and 1-2% pyrite.   | 721              | 136.5 139.0 | 0.002 /      |
|                      |   | 722              | 139.0 142.5 | 0.002 /      |
|                      |   | 723              | 142.5 145.5 | 0.005 /      |
|                      |   | 724              | 145.5 148.9 | 0.02 /       |
| 148.0 152.0          | Graphitic shale.  | 725              | 148.9 151.8 | 0.01 /       |
| 152.0 165.5          | Grey carbonate with 6" of shale at 154.0, buff.   | 726              | 154.0 156.1 | 0.02 /       |
|                      |   | 727              | 157.0 162.3 | 0.005 /      |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-35  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 728              | 163.0 166.3 | 0.005 -      |
| 166.5 181.5          | Pyritized mudstone and graphitic shale locally highly cherty.<br>172.0-179.0 massive homogeneous grey carbonate.   | 729              | 168.6 171.2 | 0.005 -      |
|                      |  | 730              | 179.1 181.5 | NIL -        |
| 181.5 228.0          | Grey-buff ultramafic carbonate.  |                  |             |              |
| 228.0 241.0          | Ultramafic, 20-30% white carbonate, laminated 60° to core axis.  |                  |             |              |
| 241.0 281.0          | Carbonate, predominantly buff to dull green and grey locally.<br>Up to 10-20% white quartz over short sections with pyrite.  | 843              | 242.8 246.1 | 0.02 -       |
| 281.0 340.0          | Buff-grey ultramafic carbonate, well laminated at 60° to core axis.  |                  |             |              |
| 340.0 345.0          | Shaly homogeneous grey carbonate, cherty.<br>344.0-345.0, broken up, several rusty fractures.  |                  |             |              |
| 345.0 401.0          | Grey carbonate, highly brecciated, cherty, up to 10-20% white quartz with disseminated pyrite locally.<br>First five feet, several rusty fractures.<br>370.0, mica changes from muscovite to sericite.<br>389.0-390.0, homogeneous grey carbonate, cherty, barren. | 844              | 349.7 355.0 | 0.002 -      |
|                      |  | 845              | 355.0 360.0 | 0.002 -      |
|                      |  | 846              | 360.0 365.0 | NIL -        |
|                      |  | 847              | 367.6 370.0 | 0.002 -      |
|                      |  | 848              | 370.0 375.0 | NIL -        |
|                      |  | 849              | 375.0 380.0 | NIL -        |
|                      |  | 850              | 380.0 382.8 | NIL -        |
|                      |  | 851              | 388.0 393.2 | 0.002 -      |
| 401.0 427.0          | Grey carbonate, weakly brecciated to laminated, 60° to core axis.<br>At 422.0, grading into a homogeneous, massive, grey carbonate.  |                  |             |              |
| 427.0                | End of hole.   |                  |             |              |

NO AVERAGE CALCULATED.

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. OM 83-36                             |
| Location: Omega Group                             | Date Started: July 18, 1983                   |
| Level: Surface                                    | Date Finished: July 22, 1983                  |
| Bearing: 142°                                     | Core Size: BQ                                 |
| Inclination: -45°                                 | Logged by: Guy Hinse                          |
| Total Depth: 301.0 feet                           | Signed: <u>G. J. Hinse</u>                    |
| Location of Collar: 055W, 1443N                   | Core Saved or Discarded: Stored at Omega Mine |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | Casing Pulled: (X) or Left: ( )               |
|   | Project: 1022                                 |
|   | Acid Tests:                                   |
|   | At: 301' -43°                                 |
|   | At:   |

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 44.0             | Casing   |                  |             |              |
| 44.0 60.0            | Dirty grey-buff carbonate, well laminated at 35° to core axis.   | 328              | 45.0 49.0   | NIL ✓        |
| 60.0 83.0            | Mostly ultramafic with minor basaltic material, minor carbonate, well lineated at 35° to core axis.  | 329              | 73.0 78.0   | NIL ✓        |
| 83.0 106.0           | Grey buff carbonate.   | 330              | 99.0 103.0  | 0.002 ✓      |
| 106.0 108.0          | Green carbonate, dull.   | 331              | 103.0 109.0 | NIL ✓        |
| 108.0 121.0          | Grey carbonate, well laminated locally, 45° to core axis, little or no secondary quartz, purple type.  | 332              | 109.0 113.6 | NIL ✓        |
|                      |  | 333              | 113.6 118.0 | 0.005 ✓      |
|                      |  | 334              | 118.0 121.0 | 0.002 ✓      |
| 121.0 140.0          | Highly brecciated mudstone with up to 70% white quartz matrix. Mudstone fragments contain up to 10% pyrite.  | 335              | 121.0 124.0 | 0.002 ✓      |
|                      |  | 336              | 124.0 127.0 | 0.02 ✓       |
|                      |  | 337              | 127.0 130.0 | 0.01 ✓       |
|                      |  | 338              | 130.0 133.0 | 0.08 - 3.0 ✓ |
|                      |  | 339              | 133.0 136.0 | 0.03 - 3.0 ✓ |
|                      |  | 340              | 136.0 140.0 | 0.08 - 4.0 ✓ |
| 140.0 184.0          | Mudstone, basaltic. Could be a mildly recrystallized sandstone. Contains pin-heads of quartz and short sections of syenitization with quartz and pyrite. | 341              | 140.0 143.0 | 0.002 ✓      |
|                      |  | 342              | 143.0 146.0 | 0.002 ✓      |
|                      |  | 343              | 146.0 150.0 | NIL ✓        |
|                      |  | 344              | 150.0 153.0 | NIL ✓        |
|                      |  | 345              | 153.0 156.0 | 0.002 ✓      |
|                      |  | 346              | 156.0 159.0 | 0.002 ✓      |
|                      |  | 347              | 159.0 162.0 | NIL ✓        |
|                      |  | 348              | 162.0 165.0 | NIL ✓        |
|                      |  | 349              | 165.0 170.0 | NIL ✓        |
|                      |  | 350              | 170.0 175.0 | NIL ✓        |

*130.0 - 140.0  
10.0  
0.065*

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No:1022

Hole No.OM 83-36  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From  | To    | Au<br>oz/ton |
|----------------------|---|------------------|-------|-------|--------------|
|                      |   | 351              | 175.0 | 180.0 | NIL ✓        |
|                      |   | 352              | 180.0 | 184.5 | NIL ✓        |
| 184.0 205.0          | Mixture of grey carbonate and hematite-rich mudstone sections containing up to 25% pyrite, well laminated 30° to core axis. | 353              | 184.5 | 188.7 | NIL ✓        |
|                      |   | 354              | 188.7 | 192.0 | NIL ✓        |
|                      |   | 355              | 192.0 | 195.0 | 0.002 ✓      |
|                      |   | 356              | 195.0 | 198.0 | 0.005 ✓      |
|                      |   | 357              | 198.0 | 201.0 | 0.002 ✓      |
|                      |   | 358              | 201.0 | 204.0 | 0.002 ✓      |
| 205.0 214.0          | Sericite shale, up to 35% pyrite, in clusters, 35° to core axis, locally pink.  | 359              | 204.0 | 207.0 | NIL ✓        |
|                      |   | 360              | 207.0 | 210.3 | NIL ✓        |
|                      |   | 362              | 210.3 | 213.3 | 0.005 ✓      |
| 214.0 258.0          | Graphitic shale, 0 - 30° to core axis.<br>251.0 258.0, 80% white quartz breccia with shale fragments.                       | 363              | 213.3 | 216.1 | NIL ✓        |
|                      |   | 364              | 216.1 | 218.5 | 0.005 ✓      |
|                      |   | 365              | 218.5 | 222.5 | 0.002 ✓      |
|                      |   | 366              | 222.5 | 227.0 | NIL ✓        |
|                      |   | 367              | 227.0 | 231.0 | 0.005 ✓      |
|                      |   | 368              | 231.0 | 235.0 | 0.002 ✓      |
|                      |   | 369              | 235.0 | 239.0 | 0.002 ✓      |
|                      |   | 370              | 239.0 | 243.0 | 0.002 ✓      |
|                      |   | 371              | 243.0 | 247.0 | NIL ✓        |
|                      |   | 372              | 247.0 | 253.0 | 0.002 ✓      |
|                      |   | 373              | 253.0 | 256.0 | 0.005 ✓      |
| 258.0 281.0          | Grey carbonate with sections of syenitized and pyritized material.<br>Heavy graphite on slips.                              | 374              | 256.0 | 259.0 | 0.02 ✓       |
|                      |   | 375              | 259.0 | 262.0 | 0.01 ✓       |
|                      |   | 376              | 262.0 | 265.0 | 0.005 ✓      |
|                      |   | 377              | 265.0 | 266.8 | 0.005 ✓      |
|                      |   | 378              |       |       |              |
|                      |   | 379              | 266.8 | 270.5 | 0.01 ✓       |
|                      |   | 380              | 270.5 | 274.0 | 0.02 ✓       |
|                      |   | 381              | 274.0 | 277.0 | 0.005 ✓      |
|                      |   | 382              | 277.0 | 280.0 | 0.005 ✓      |
| 281.0 297.0          | Cherty mudstone, up to 10% coarse and fine pyrite. Locally well   |                  |       |       |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-36  
Page No. 3

| Footage<br>From - To | Geological & Physical Description          | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      | brecciated.                                |                  |             |              |
|                      |  | 383              | 280.0 283.0 | 0.02-        |
|                      |  | 384              | 283.0 286.0 | 0.07-3.0     |
|                      |  | 385              | 286.0 289.0 | 0.02-3.0     |
|                      |  | 386              | 289.0 292.0 | 0.03-3.0     |
|                      |  | 387              | 292.0 295.0 | 0.09-3.0     |
|                      |  | 388              | 295.0 299.0 | 0.01-        |
| 297.0 301.0          | Graphitic shale, somewhat cherty at first. | 389              | 299.0 301.0 | 0.02-        |
| 301.0                | End of hole.                               |                  |             |              |

*283.0 - 295.0  
12.0' .0525*

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. OM 83-37                             |
| Location: Omega Group                             | Date Started: July 22, 1983                   |
| Level: Surface                                    | Date Finished: July 24, 1983                  |
| Bearing: 142°                                     | Logged by: Guy Hinse                          |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 318.0'                               | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: O37E, 1445N                   | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | At: 318' -42°                                 |

Page No. 1  
 Core Size: BQ  
 Signed: *G. J. Hinse*

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 42.0             | Casing   |                  |             |              |
| 42.0 47.0            | Ultramafic.  |                  |             |              |
| 47.0 87.0            | Dirty mudstone, less than 10% quartz, less than 1% pyrite.   |                  |             |              |
| 87.0 104.0           | Grey mudstone, containing sections of finely laminated grey carbonate, 35° to core axis. Last few feet, syenitized.  |                  |             |              |
| 104.0 158.0          | Mudstone, dirty, tuffaceous with basaltic material. Contains short sections of cherty, mudstone with up to 10% pyrite. Locally syenitized with up to 10% pyrite. | 760              | 104.0 109.0 | NIL          |
|                      |  | 761              | 109.0 114.0 | NIL          |
|                      |  | 762              | 114.0 118.7 | NIL          |
|                      |  | 763              | 118.7 121.7 | NIL          |
|                      |  | 764              | 121.7 124.0 | NIL          |
|                      |  | 765              | 124.0 127.3 | NIL          |
|                      |  | 766              | 127.3 130.0 | NIL          |
|                      |  | 767              | 130.0 132.4 | NIL          |
|                      |  | 768              | 132.4 135.5 | 0.002        |
|                      |  | 769              | 135.5 138.5 | NIL          |
|                      |  | 770              | 138.5 142.5 | NIL          |
|                      |  | 771              | 142.5 146.5 | 0.002        |
|                      |  | 772              | 146.5 150.5 | 0.002        |
|                      |  | 773              | 150.5 154.5 | NIL          |
|                      |  | 774              | 154.5 158.0 | 0.002        |
| 158.0 165.0          | Cherty mudstone, highly brecciated, grading into syenitized graphitic shale with several sections of up to 25-35% pyrite.  | 775              | 158.0 162.0 | 0.002        |
|                      |  | 776              | 162.0 165.4 | 0.03         |
| 165.0 261.0          | Graphitic shale, 30-35° to core axis.  | 777              | 165.4 169.5 | 0.002        |
|                      |  | 778              | 169.5 175.0 | NIL          |
|                      |  | 779              | 175.0 178.0 | 0.002        |
|                      |  | 780              | 178.0 181.5 | NIL          |
|                      |  | 781              | 181.5 183.8 | 0.002        |
|                      |  | 782              | 183.8 189.0 | 0.002        |
|                      |  | 783              | 189.0 193.0 | NIL          |
|                      |  | 784              | 194.5 199.9 | NIL          |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-37  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description                            | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 785              | 206.7 211.5 | 0.002-       |
|                      |  | 786              | 211.5 217.0 | NIL-         |
|                      |  | 787              | 217.0 221.7 | 0.002-       |
|                      |  | 788              | 221.7 226.7 | NIL-         |
|                      |  | 789              | 229.8 234.2 | 0.04-        |
|                      |  | 790              | 234.2 239.2 | 0.01-        |
|                      |  | 791              | 239.2 243.0 | 0.06-        |
|                      |  | 792              | 243.0 248.2 | 0.02-        |
| 261.0 297.0          | Grading into moderately-cherty mudstone, 1 to 5% pyrite.     |                  |             |              |
|                      |  | 805              | 267.3 271.7 | 0.01-        |
|                      |  | 806              | 271.7 276.0 | 0.02-        |
|                      |  | 807              | 276.0 280.0 | 0.01-        |
|                      |  | 808              | 280.0 284.0 | 0.02-        |
|                      |  | 809              | 284.0 287.4 | 0.02-        |
|                      |  | 810              | 287.4 291.5 | 0.05- 4.17   |
|                      |  | 811              | 291.5 297.0 | 0.04- 5.5 }  |
| 297.0 312.0          | Graphitic shale.   |                  |             |              |
|                      |  | 812              | 297.0 302.0 | 0.002-       |
|                      |  | 813              | 302.0 312.7 | 0.002-       |
| 312.0 318.0          | Cherty mudstone, weakly syenitized locally, up to 5% pyrite. |                  |             |              |
|                      |  | 814              | 312.7 318.0 | 0.06-        |
| 318.0                | End of hole  |                  |             |              |

*287.4 - 297.0*  
*9.6'*  
*.04427*



DIAMOND DRILL LOG

Company: Lenora Exploration Limited      Hole No. OM 83-38  
 Location: Omega Group      Date Started: July 24, 1983 Page No. 1  
 Level: Surface      Date Finished: July 26, 1983 Core Size: BQ  
 Bearing: 142°      Logged by: Guy Hinse      Signed: G. J. Hinse  
 Inclination: -45°      Core Saved or Discarded: Stored at Omega Mine  
 Total Depth: 234.0'      Casing Pulled: (X) or Left: ( )      Acid Tests:  
 Location of Collar: 129W, 1426N      Project: 1022      At: 234' -39°  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario.      At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 22.0             | Casing  |                  |             |              |
| 22.0 43.0            | Dull green ultramafic.  |                  |             |              |
| 43.0 64.5            | Ultramafic, tuffaceous, 40-45° to core axis.  |                  |             |              |
| 64.5 75.0            | Moderately chert, mudstone, 1-2% pyrite.  |                  |             |              |
| 75.0 112.0           | Basalt, tuffaceous, 40° to core axis.   |                  |             |              |
| 112.0 135.0          | Ultramafic, texture close to grey or green carbonate.   |                  |             |              |
| 135.0 139.0          | Sandstone.  |                  |             |              |
| 139.0 164.0          | Grey carbonate, delicately laminated, could be a mudstone, 40° to core axis, contains short sections of up to 10% pyrite over inches. | 823              | 141.0 149.2 | 0.01         |
| 164.0 190.0          | Mudstone, dirty.  | 824              | 166.0 171.8 | 0.002        |
| 190.0 200.0          | Grading into a well laminated grey carbonate, 40° to core axis.   | 443              | 179.8 181.9 | NIL          |
|                      |   | 444              | 181.9 186.1 | NIL          |
|                      |   | 445              | 186.1 191.2 | 0.05         |
|                      |   | 446              | 191.2 192.2 | 0.39         |
|                      |   | 447              | 192.2 195.8 | 0.002        |
|                      |   | 825              | 189.1 193.5 | NIL          |
|                      |   | 826              | 197.8 202.0 | 0.002        |
| 200.0 220.0          | Grey carbonated intermixed with graphitic shale. Locally syenitized.  | 827              | 202.0 207.0 | NIL          |
|                      |   | 828              | 210.2 215.0 | NIL          |
|                      |   | 829              | 215.0 219.6 | 0.005        |
|                      |   | 830              | 219.6 222.0 | NIL          |
|                      |   | 831              | 222.0 225.4 | 0.63         |

*186.1-192.2  
 6.1'      .10523*

*} 51  
 } 10*

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No. 1022

Hole No. OM 83-38  
Page No. 2

| Footage<br>From - To | Geological & Physical Description          | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 220.0 237.0          | Graphitic shale, 40° to core axis.         | 548              | 225.4 237.0 | NIL          |
| 237.0                | End of hole. Broke into underground drift. |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited      Hole No. OM 83-39  
 Location: Omega Group      Date Started: July 27, 1983      Page No. 1  
 Level: Surface      Date Finished: July 28, 1983      Core Size: BQ  
 Bearing: 142°      Logged by: Guy Hinse      Signed: G. J. Hinse  
 Inclination: -45°      Core Saved or Discarded: Stored at Omega Mine  
 Total Depth: 185.0 feet      Casing Pulled: (X) or Left: ( )      Acid Tests:  
 Location of Collar: 137E, 1454N      Project: 1022      At: 177' -38  
 Drilled by: Heath & Sherwood, Kirkland Lake, Ontario      At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 34.0             | Casing  |                  |             |              |
| 34.0 49.0            | Ultramafic.   |                  |             |              |
| 49.0 90.0            | Carbonate, grey-buff at first, changing to grey at 59.0, well laminated at 40° to core axis.                                    | 448              | 78.0 80.0   | 0.002-       |
|                      |   | 449              | 80.0 85.0   | 0.002-       |
|                      |   | 450              | 85.0 90.0   | NIL          |
| 90.0 150.0           | Red ore zone, hematized, cherty with up to 3-10% pyrite, massive. At 137.5, red hematite disappears gradually, still pyritized. | 451              | 90.0 95.0   | 0.005-       |
|                      |   | 452              | 95.0 100.0  | 0.07-        |
|                      |   | 453              | 100.0 105.0 | 0.002-       |
|                      |   | 454              | 105.0 110.0 | 0.002-       |
|                      |   | 455              | 110.0 115.0 | 0.005-       |
|                      |   | 456              | 115.0 120.0 | 0.005-       |
|                      |   | 457              | 120.0 125.0 | 0.09         |
|                      |   | 458              | 125.0 129.7 | 0.16 47      |
|                      |   | 459              | 129.7 133.0 | 0.13- 33     |
|                      |   | 460              | 133.0 137.1 | 0.11- 41     |
|                      |   | 461              | 137.1 142.0 | 0.02-        |
|                      |   | 462              | 142.0 146.0 | 0.04-        |
|                      |   | 463              | 146.0 150.9 | 0.04-        |
| 150.0 185.0          | Graphite shale, 35° to core axis.   | 464              | 150.9 156.0 | 0.05-        |
|                      |   | 465              | 156.0 162.0 | 0.04-        |
|                      |   | 466              | 176.7 182.7 | 0.02-        |
|                      |   | 467              | 182.7 185.0 | 0.005-       |
| 185.0                | End of hole.  |                  |             |              |

*120.0 - 137.1  
 17.1 - 12.17*

*— 47 }  
 33 }  
 41 }*

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. OM 83-40                             |
| Location: Omega Group                             | Date Started: July 28, 1983                   |
| Level: Surface                                    | Date Finished: July 30, 1983                  |
| Bearing: 142°                                     | Logged by: Guy Hinse                          |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 217.0 feet                           | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 250E, 1480N                   | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | At: 217' -39°                                 |
|   | At:   |

Page No. 1  
 Core Size: BQ.  
 Signed: G. J. Hinse

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 37.0             | Casing   |                  |             |              |
| 37.0 115.0           | Carbonate, buff to locally green, to brilliant green with 10-20% white quartz and 1-2% pyrite. Locally laminated at 20-30° to core axis.                         | 418              | 69.4 76.0   | 0.03         |
|                      |  | 419              | 99.9 104.2  | 0.06         |
|                      |  | 420              | 104.2 106.2 | 0.03         |
| 115.0 165.0          | Mudstone, rich locally highly cherty with 10-20% fine pyrite. Several hematite fractures parallel to core. 158.0-165.0, 50-70% pyrite in clusters and framboids. | 421              | 115.0 117.0 | 0.02         |
|                      |  | 422              | 117.0 123.0 | 0.04         |
|                      |  | 423              | 123.0 127.8 | 0.03         |
|                      |  | 424              | 127.8 132.0 | 0.29         |
|                      |  | 425              | 132.0 136.0 | 0.11         |
|                      |  | 426              | 136.0 140.0 | 0.05         |
|                      |  | 427              | 140.0 144.0 | 0.06         |
|                      |  | 428              | 144.0 149.0 | 0.03         |
|                      |  | 429              | 149.0 154.0 | 0.11         |
|                      |  | 430              | 154.0 160.6 | 0.01         |
|                      |  | 431              | 160.6 165.5 | NIL          |
| 165.0-217.0          | Graphitic shale, not cherty, less than 1% pyrite, well laminated at 45° to core axis.  | 432              | 165.5 171.0 | NIL          |
|                      |  | 433              | 171.0 176.9 | 0.005        |
|                      |  | 434              | 176.9 181.3 | 0.06         |
|                      |  | 435              | 181.3 185.6 | 0.04         |
|                      |  | 436              | 202.9 207.5 | 0.002        |
|                      |  | 437              | 207.5 217.0 | 0.005        |
| 217.0                | End of hole.   |                  |             |              |

*127.8 - 136.0  
 8.2  
 202*

*127.8 - 154.0  
 26.2 - 106.7*

*4.2 }  
 4.6 }  
 4.0 }  
 4.0 }  
 5.0 }  
 5.0 }*

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. OM 83-41                             |
| Location: Omega Group                             | Date Started: July 30, 1983                   |
| Level: Surface                                    | Date Finished: Aug. 2, 1983                   |
| Bearing: 329°                                     | Logged by: Guy Hinse                          |
| Inclination: -45°                                 | Signed: <i>G. J. Hinse</i>                    |
| Total Depth: 317.0 feet                           | Core Saved or Discarded: Stored at Omega Mine |
| Location of Collar: 1318E, 979N                   | Casing Pulled: (X) or Left: ( )               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | Project: 1022                                 |
|   | Acid Tests: At: 317' 37°                      |
|   | At:   |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 19.0             | Casing  |                  |             |              |
| 19.0 27.0            | Dirty tuffaceous material.  |                  |             |              |
| 27.0 38.5            | Graphitic shale with short sections of cherty mudstone with up to 2% pyrite. Last foot, syenitized.   | 852              | 27.0 33.0   | 0.002 -      |
|                      |   | 853              | 33.0 38.0   | 0.002 -      |
| 38.5 85.0            | Buff carbonate with 20-30% dull grey carbonate changing into dull green carbonate at 53.0.  |                  |             |              |
| 85.0 102.0           | Mudstone with short sections of carbonate. Locally cherty with up to 10% fine pyrite. Sharp lower contact with ½" calcite and graphite, probably a fault?                                   | 854              | 84.5 88.0   | 0.02-        |
|                      |   | 855              | 88.0 91.0   | 0.02-        |
|                      |   | 856              | 91.0 95.2   | 0.02-        |
|                      |   | 857              | 95.2 99.5   | 0.01-        |
|                      |   | 858              | 99.5 102.0  | NIL-         |
| 102.0 125.0          | Buff-grey carbonate (ultramafic).   | 859              | 108.3 111.4 | NIL-         |
| 125.0 153.0          | Tuffaceous, speckled, 60° to core axis.   |                  |             |              |
| 153.0 257.0          | Grey carbonate to buff changing to buff at 203.0 with short sections of green. Brecciated at first to highly contorted at 163.0 to 167.0 and 181.0-188.0. 223.0-226.5, several rusty slips. | 562              | 222.9 226.5 | 0.01-        |
|                      |   | 563              | 238.0 245.9 | 0.01-        |
| 257.0 317.0          | Ultramafic, well laminated, 60° to core axis. Rusty slips at 257.0, 263.0, 270.0, 280.0, 281.0, 291.0, 293.0.   |                  |             |              |
| 317.0                | End of hole.  |                  |             |              |

DIAMOND DRILL LOG

|   |  |
|---|--|
| Company: Lenora Exploration Limited               | Hole No. OM 83-42                                |
| Location: Omega Group                             | Date Started: <i>Aug. 2, 1983</i> Page No. 1     |
| Level: Surface                                    | Date Finished: <i>Aug. 5, 1983</i> Core Size: BQ |
| Bearing: 329°                                     | Logged by: Guy Hinse Signed: <i>G. J. Hinse</i>  |
| Inclination: -45°                                 | Core Saved or Discarded: Stored at Omega Mine    |
| Total Depth: 167.0 feet                           | Casing Pulled: (X) or Left: ( ) Acid Tests:      |
| Location of Collar: 1180E, 1173N                  | Project: 1022 At: No test                        |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | At:  |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 35.0             | Casing  |                  |             |              |
| 35.0 37.0            | Conglomerate or breccia, fragments of volcanic material in a grey carbonate matrix.   |                  |             |              |
| 37.0 60.0            | Grey carbonate, homogeneous grey to weakly laminated, 50° to core axis.   |                  |             |              |
| 60.0 101.0           | Mudstone, somewhat cherty, 5-10% grey quartz, speckled, homogeneous to weakly laminated, 60° to core axis, few splashes pyrite. |                  |             |              |
|                      |   | 815              | 67.5 70.5   | 0.002        |
|                      |   | 816              | 80.2 83.0   | 0.005        |
|                      |   | 817              | 97.0 100.3  | NIL          |
| 101.0 128.5          | Cherty mudstone, up to 20% quartz, 5-10% fine pyrite.   |                  |             |              |
|                      |   | 818              | 100.3 103.3 | 0.09-3.0     |
|                      |   | 819              | 103.3 107.0 | 0.52-3.7     |
|                      |   | 820              | 107.0 110.8 | 0.005-3.8    |
|                      |   | 551              | 110.8 117.0 | 0.002-6.2    |
|                      |   | 552              | 117.0 121.7 | 0.002-4.7    |
|                      |   | 821              | 121.7 124.3 | 0.002-2.6    |
|                      |   | 822              | 124.3 128.3 | 0.14 4.0     |
| 128.5 161.5          | Buff carbonate, changing to brilliant green at 132.0 and thence to dull green. 10-30% white quartz.                             |                  |             |              |
| 140.0                | several rusty slips.  |                  |             |              |
| 162.0                | broken up, highly rusty, possible fault?  |                  |             |              |
|                      |   | 553              | 128.3 131.8 | 0.005-       |
|                      |   | 554              | 131.8 137.0 | 0.002-       |
|                      |   | 555              | 137.0 142.0 | 0.01         |
| 161.5 167.0          | Carbonate-ultramafic, 10-30% quartz, brecciated.  |                  |             |              |
| 167.0                | End of hole.  |                  |             |              |

*100.3-107.0  
6.7' = 321*

*100.3-128.3  
28.0 0.100*

} } } } }

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited                   | Hole No. OM 83-43                             |
| Location: Omega Group                                 | Date Started: Aug. 5, 1983                    |
| Level: Surface  | Date Finished: Aug. 6, 1983                   |
| Bearing: 329°   | Logged by: Guy Hinse                          |
| Inclination: -45°                                     | Signed: <u>G. J. Hinse</u>                    |
| Total Depth: 259.0 feet                               | Core Saved or Discarded: Stored at Omega Mine |
| Location of Collar: 1115E, 1190N                      | Casing Pulled: (X) or Left: ( )               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario. | Project: 1022                                 |
|   | Acid Tests:                                   |
|   | At: 259' -39°                                 |
|   | At:   |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 58.0             | Casing   |                            |              |
| 58.0 134.0           | Dark grey mudstone, shale locally such as at 69.0, generally laminated 60-70° to core axis, locally contorted, barren. 58.0-78.0, few rusty slips. | 860 72.0 78.0              | 0.002        |
| 134.0 173.0          | Grey carbonate, massive, barren, less than 10% quartz, purple type.  | 890 162.0 167.0            | NIL          |
| 173.0 176.0          | Sandstone? coarse grained, granular, with lineated 70° to core axis, light grey with green tinge.  |                            |              |
| 176.0 189.0          | Grey carbonate as before, purple type.   |                            |              |
| 189.0 196.0          | Brecciated mudstone, dark to black fragment in a quartz-chert matrix, 1-2% pyrite. 192.0-196.0, porphyritized.                                     | 861 188.7 191.6            | 0.02         |
| 196.0 199.0          | Basalt tuff, gradual upper contact, sharp lower contact at 60° to core axis.   |                            |              |
| 199.0 210.0          | Grey carbonate as before, purple type.   | 863 202.0 207.0            | NIL          |
| 210.0 259.0          | Mudstone, medium to dark grey, massive to weakly brecciated. Basaltic tuff increases gradually to 259.0. Speckled throughout with uncoxene?        | 864 254.0 259.0            | NIL          |
| 259.0                | End of hole.   |                            |              |

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-44                             |
| Location: Omega Group                                | Date Started: Aug. 6, 1983                    |
| Level: Surface                                       | Date Finished: Aug. 7, 1983                   |
| Bearing: 329°  | Logged by: Guy Hinse                          |
| Inclination: -45°                                    | Signed: <u>G. J. Hinse</u>                    |
| Total Depth: 199.0 feet                              | Core Saved or Discarded: Stored at Omega Mine |
| Location of Collar: 1115E, 1060N                     | Casing Pulled: (X) or Left: ( )               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Project: 1022                                 |
|  | Acid Tests: At: 199' -41°                     |
|  | At:   |

| Footage From - To | Geological & Physical Description   | Sample Number | From - To   | Au oz/ton |
|-------------------|---|---------------|-------------|-----------|
| 0.0 23.0          | Casing  |               |             |           |
| 23.0 33.5         | Green-buff mica shale fragments in 50% grey carbonate-rich matrix, less than 10% quartz, barren.  | 865           | 29.9 33.5   | 0.002 /   |
| 33.5 38.5         | Cherty mudstone, slightly reddish, contorted, brecciated, up to 10% fine pyrite with 2-3% arsenopyrite.   | 866           | 33.5 35.8   | 0.01 /    |
|                   |   | 867           | 35.8 38.4   | 0.04 /    |
| 38.5 52.0         | Dark grey mudstone as above with short sections of buff-dirty carbonate, brecciated, contorted, few specks of pyrite locally.   | 868           | 38.4 41.8   | 0.002 /   |
|                   |   | 877           | 45.0 50.2   | 0.002 /   |
| 52.0 60.0         | Dirty grey-buff carbonate, lineated locally at 30° to core axis to contorted brecciated. 23.0-60.0, several rusty slips and fractures.  |               |             |           |
| 60.0 97.0         | Mixture of mudstone, cherty mudstone with pyrite, highly brecciated cherty black shale graphitic black shale, locally syenitized.   | 869           | 60.0 63.5   | 0.005 /   |
|                   |   | 870           | 63.5 66.7   | 0.005 /   |
|                   |   | 871           | 66.7 72.0   | 0.002 /   |
|                   |   | 872           | 72.0 75.0   | NIL /     |
|                   |   | 873           | 75.0 77.3   | NIL /     |
|                   |   | 874           | 77.3 80.3   | 0.005 /   |
|                   |   | 875           | 82.8 87.0   | NIL /     |
|                   |   | 876           | 91.1 94.0   | 0.01 /    |
| 97.0 101.0        | Grey-buff dirty carbonate; barren lineated 70° to core axis.  | 878           | 98.7 101.4  | NIL /     |
| 101.0 199.0       | Mudstone, massive, somewhat laminated 60° to core axis. Locally mineralized with fine pyrite. Best mineralization from 103.5-105.0, 6 1/2% pyrite; 120.0-129.0, up to 10% pyrite; 131.0-157.0, up to 5% pyrite. | 879           | 103.1 106.1 | 0.005 /   |



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-44 ✓  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|-----------------------------------|------------------|-----------|--------------|
|----------------------|-----------------------------------|------------------|-----------|--------------|

*120.2-129.2  
 9.0 .05*

|     |       |       |       |                         |
|-----|-------|-------|-------|-------------------------|
| 880 | 120.2 | 123.2 | 0.08  | } 3.0<br>} 3.0<br>} 3.0 |
| 881 | 123.2 | 126.2 | 0.04  |                         |
| 882 | 126.2 | 129.2 | 0.03  |                         |
| 883 | 129.2 | 132.0 | 0.01  | /                       |
| 884 | 132.0 | 135.0 | 0.01  | /                       |
| 885 | 135.0 | 138.0 | 0.005 | /                       |
| 886 | 138.0 | 141.0 | 0.02  | /                       |
| 887 | 141.0 | 144.5 | 0.02  | /                       |
| 888 | 144.5 | 148.0 | 0.02  | /                       |
| 889 | 148.0 | 152.8 | NIL   | /                       |

155.0-199.0, more or less medium to dark grey mudstone,  
 massive to lineated at 55-60° core axis. Few specks and  
 splashes of pyrite.

199.0

End of hole.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-45

Location: Omega Group

Date Started: Aug. 7, 1983

Page No. 1

Level: Surface

Date Finished: Aug. 9, 1983

Core Size: BQ

Bearing: 329°

Logged by: Guy Hinse

Signed: *G. J. Hinse*

Inclination: -45°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 237.0 feet

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 1000E, 1050N

Project: 1022

At: 237' -41°

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 46.0             | Casing   |                  |             |              |
| 46.0 47.0            | Buff-grey carbonate, looks ultramafic, lineated 55° to core axis.  |                  |             |              |
| 47.0 63.2            | Mudstone, grey with fine laminations, homogeneous, barren.<br>Contains some darker grey shaly sections.                                    | 891              | 47.0 50.0   | 0.005 ✓      |
|                      |  | 892              | 60.0 63.2   | 0.002 ✓      |
| 63.2 92.0            | Highly cherty mudstone, 1-2% pyrite, 73.0-77.0, brecciated, up to 5% pyrite.   | 893              | 63.2 66.0   | 0.002 ✓      |
|                      |  | 894              | 66.0 69.8   | 0.002 ✓      |
|                      |  | 895              | 69.8 72.0   | 0.002 ✓      |
|                      |  | 896              | 72.0 73.3   | 0.002 ✓      |
|                      |  | 897              | 73.3 76.8   | 0.002 ✓      |
|                      |  | 898              | 76.8 80.0   | NIL ✓        |
|                      |  | 899              | 80.0 83.3   | NIL ✓        |
|                      |  | 900              | 83.3 86.3   | 0.002 ✓      |
|                      |  | 901              | 86.3 89.9   | 0.002 ✓      |
|                      |  | 902              | 89.9 94.6   | 0.005 ✓      |
| 92.0 94.6            | Cherty black shale, 3-4% pyrite, 45° to core axis.   |                  |             |              |
| 94.6 101.0           | Grey carbonate.  | 903              | 94.6 97.8   | NIL ✓        |
|                      |  | 904              | 97.8 101.0  | 0.002 ✓      |
| 101.0 133.0          | Mudstone and grey carbonate, some short sections of darker grey cherty mudstone with up to 10-20% pyrite. <del>No. 100 zone horizon.</del> |                  |             |              |
|                      |  | 905              | 101.0 105.0 | 0.005 ✓      |
|                      |  | 906              | 105.0 107.5 | NIL ✓        |
|                      |  | 907              | 111.3 118.2 | NIL ✓        |
|                      |  | 908              | 120.8 122.8 | NIL ✓        |
| 133.0 146.0          | Highly brecciated mudstone or shale, 50% white quartz, 20-30% black shaly material, 10-20% sericite, 1-2% pyrite.                          |                  |             |              |
|                      |  | 909              | 133.0 136.0 | 0.002 ✓      |
|                      |  | 910              | 136.0 139.3 | 0.002 ✓      |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-45  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton               |
|----------------------|--|------------------|-------------|----------------------------|
|                      |  | 911              | 139.3 142.6 | 0.002 ✓                    |
|                      |  | 912              | 142.6 146.0 | 0.002 ✓                    |
| 146.0 152.5          | Graphitic shale, weakly carbonated.  | 913              | 146.0 151.7 | 0.002 ✓                    |
| 152.5 164.0          | Cherty mudstone, 5-25% pyrite, contorted, with schistosity parallel to core axis. 10-20% sericite or buff albite as laminations.   | 914              | 155.5 158.5 | 0.005 ✓                    |
|                      |  | 915              | 158.5 164.0 | 0.04 ✓                     |
| 164.0 171.4          | Grey homogeneous finely laminated mudstone, barren.  | 917              | 164.0 166.0 | 0.002 ✓                    |
| 171.4 181.0          | Graphitic shale, 50-60° to core axis, 1-5% pyrite in clusters.   | 916              | 171.4 175.5 | 0.002 ✓                    |
|                      |  | 918              | 175.5 181.0 | 0.002 ✓                    |
| 181.0 209.0          | Grey carbonate<br>188.5-192.0, graphitic shale.  | 919              | 188.5 194.8 | 0.002 ✓                    |
|                      |  | 920              | 194.8 199.0 | 0.002 ✓                    |
|                      |  | 921              | 199.0 202.0 | 0.002 ✓                    |
|                      |  | 922              | 202.0 207.0 | 0.002 ✓                    |
| 209.0 236.0          | Mixture of grey mudstone, some black shale, brecciated, contorted.   | 923              | 213.8 217.0 | 0.002 ✓                    |
|                      |  | 924              | 217.0 220.0 | NIL ✓                      |
|                      |  | 925              | 220.0 225.0 | 0.002 ✓                    |
|                      |  | 926              | 225.0 230.0 | NIL ✓                      |
|                      |  | 927              | 230.0 234.8 | NIL ✓                      |
| 236.0 237.0          | Cherty mudstone, 1% pyrite.<br>220.0-225.0, some hematization, 3-5% pyrite. Contains also short sections of massive buff material. |                  |             | 0.002 ✓<br>NIL in parallel |
| 237.0                | End of hole.   |                  |             |                            |

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. OM 83-46                             |
| Location: Omega Group                             | Date Started: Aug. 9, 1983                    |
| Level: Surface                                    | Date Finished: Aug. 11, 1983                  |
| Bearing: -45°                                     | Logged by: Guy Hinse                          |
| Inclination: 329°                                 | Signed: <u>G. J. Hinse</u>                    |
| Total Depth: 427.0 feet                           | Core Saved or Discarded: Stored at Omega Mine |
| Location of Collar: 1125E, 748N                   | Casing Pulled: (X) or Left: ( )               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | Project: 1022                                 |
|   | Acid Tests:                                   |
|   | At: 420' -40°                                 |
|   | At: <span style="float: right;">←</span>      |

| Footage From - To | Geological & Physical Description   | Sample Number | From - To   | Au oz/ton |
|-------------------|---|---------------|-------------|-----------|
| 0.0 31.0          | Casing  |               |             |           |
| 31.0 228.0        | Ultramafic, with short sections looking like conglomerate.<br>197.0 increases in carbonate content.<br>210.0 1.0 quartz, brecciated, possible fault.<br>210.0 looks like a repetition of above.<br>225.0-228.0, rusty, broken up. | 928           | 222.0 224.8 | NIL -     |
|                   |   | 929           | 224.8 228.0 | 0.002 -   |
| 228.0 234.0       | Cherty mudstone, 1-2% pyrite.   | 930           | 228.0 232.2 | 0.002 -   |
| 234.0 244.0       | Highly brecciated, contorted, cherty mudstone, 1-2% pyrite.   | 931           | 232.2 237.0 | 0.002 -   |
|                   |   | 932           | 237.0 240.5 | 0.002 -   |
|                   |   | 933           | 240.5 243.0 | NIL -     |
| 244.0 280.0       | Graphitic shale, somewhat cherty, little mineralization.  | 934           | 243.0 245.3 | NIL -     |
|                   |   | 935           | 245.3 247.4 | NIL -     |
|                   |   | 936           | 247.4 250.9 | 0.002 -   |
| 280.0 316.0       | Buff carbonate, ultramafic. Sharp upper contact, faulted?   | 937           | 294.3 296.4 | NIL -     |
|                   |   | 938           | 309.1 311.7 | 0.002 -   |
|                   |   | 939           | 311.7 315.7 | 0.002 -   |
| 316.0 318.0       | Cherty mudstone, 6-10% disseminated pyrite.   | 940           | 315.7 320.4 | 0.005 -   |
| 318.0 339.0       | Buff grey carbonate with intermixed pyritized mudstone.   | 941           | 320.4 324.0 | 0.01 -    |
|                   |   | 942           | 324.0 327.9 | 0.01 -    |
|                   |   | 943           | 327.9 331.2 | 0.005 -   |
|                   |   | 944           | 331.2 334.9 | 0.02 -    |
|                   |   | 945           | 334.9 339.0 | 0.08 -    |
| 339.0 349.0       | Buff-green carbonate, locally mineralized.  | 946           | 339.0 342.2 | 0.04 -    |
|                   |   | 947           | 342.2 346.0 | 0.02 -    |

334.9 - 352.4  
17.5  
.0547

4.1  
3.2  
3.8

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-46  
Page No. 2

| Footage<br>From - To | Geological & Physical Description      | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 948              | 346.0 349.0 | 0.04 + 3.0   |
| 349.0 408.0          | Cherty grey mudstone with 3-5% pyrite. | 949              | 349.0 352.4 | 0.09 } 2.4   |
|                      |  | 950              | 352.4 355.0 | 0.005 -      |
|                      |  | 951              | 367.0 371.5 | 0.005 -      |
|                      |  | 952              | 371.5 373.7 | 0.02 -       |
|                      |  | 953              | 373.7 376.0 | NIL -        |
| 408.0 427.0          | Ultramafic.                            |                  |             |              |
| 427.0                | End of hole.                           |                  |             |              |

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited                   | Hole No. OM 83-47                             |
| Location: Omega Group                                 | Date Started: Aug. 11, 1983                   |
| Level: Surface  | Date Finished: Aug. 14, 1983                  |
| Bearing: 329°   | Logged by: Guy Hinse                          |
| Inclination: -45°                                     | Signed: <u>G. J. Hinse</u>                    |
| Total Depth: 710.0 feet                               | Core Saved or Discarded: Stored at Omega Mine |
| Location of Collar: 1043E, 759N                       | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario. | Acid Tests:                                   |
|   | At: 300' -40°                                 |
|   | At: 577' -37°                                 |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number  | From - To   | Au<br>oz/ton  |
|----------------------|---|---|---|---|
| 0.0 20.0             | Casing  |   |   |   |
| 20.0 53.0            | Green carbonate (ultramafic).   | 954   | 47.0 52.0   | 0.01 ✓  |
| 52.0 226.0           | Ultramafic, 10-20% white carbonate. 10' mud seam at 56.0, fault.<br>120.0 at 125.0, hematized fractures and 218.0, 223.0, 225.0, 235.0.               | 955   | 223.0 226.0   | 0.005 ✓   |
| 226.0 235.0          | Buff and green carbonate, locally cherty with 1-2% pyrite.  | 956<br>957  | 226.0 228.9<br>228.9 232.1  | NIL ✓<br>NIL ✓  |
| 235.0 273.0          | Buff and grey carbonate, looks ultramafic locally.<br>251.0-273.0, few rusty and hematized fractures, locally buff silicified (introduced material?). | 958<br>959<br>960<br>961<br>962                             | 250.3 252.8<br>252.8 256.4<br>256.4 261.4<br>261.4 269.0<br>269.0 272.0   | 0.002 ✓<br>0.005 ✓<br>0.005 ✓<br>0.005 ✓<br>NIL ✓   |
| 273.0 288.0          | Graphitic shale and mudstone.   | 963<br>964<br>965<br>966<br>967                             | 272.0 274.3<br>274.3 277.0<br>277.0 281.7<br>281.7 286.0<br>286.0 288.0   | 0.005 ✓<br>0.002 ✓<br>0.005 ✓<br>NIL ✓<br>0.002 ✓   |
| 288.0 312.0          | Tuffaceous, 60-70° to core axis, with minor shaly, black, material.   |   |   |   |
| 312.0 369.0          | Grey carbonate, ultramafic, 20-30% white carbonate veinlets.  | 968<br>969<br>970<br>971<br>972<br>973<br>974<br>975<br>976 | 328.2 329.9<br>329.9 334.8<br>334.8 338.0<br>338.0 342.8<br>342.8 347.6<br>347.6 351.6<br>351.6 357.0<br>357.0 362.0<br>362.0 367.0 | 0.002 ✓<br>0.04 ✓<br>0.12 32 }<br>0.03 48 }<br>0.40 48 }<br>0.17 40 }<br>0.04 5.0 }<br>NIL 50 }<br>0.03 5.0 } |

*Handwritten notes:*  
 334.8 - 351.6  
 16.8 - 1861  
 334.8 - 369.0  
 34.2 11035

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No:1022

Hole No.OM 83-47  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 369.0 414.0          | Mudstone, cherty, slightly pinkish, syenitized. Few hematized fractures. Up to 5-10% pyrite.  | 977              | 367.0 369.0 | 0.14 2.6     |
|                      |   | 559              | 384.0 389.0 | 0.03-        |
|                      |   | 560              | 389.0 400.0 | NIL-         |
|                      |   | 416              | 400.0 402.0 | 0.01-        |
|                      |   | 417              | 402.0 407.0 | 0.02-        |
|                      |   | 978              | 407.0 409.0 | 0.002-       |
|                      |   | 979              | 409.0 412.0 | 0.04-        |
|                      |   | 980              | 412.0 414.0 | 0.01-        |
| 414.0 456.5          | Grey homogeneous mudstone, locally cherty with up to 3-4% pyrite.   | 981              | 423.2 425.2 | 0.005-       |
|                      |   | 982              | 425.2 428.6 | 0.005-       |
|                      |   | 983              | 428.6 431.4 | 0.005-       |
|                      |   | 984              | 431.4 435.0 | NIL-         |
|                      |   | 985              | 435.0 440.0 | 0.002-       |
|                      |   | 986              | 440.0 443.0 | 0.10-        |
|                      |   | 987              | 443.0 447.2 | 0.07-        |
|                      |   | 988              | 447.2 450.0 | 0.002-       |
| 456.5 490.0          | Dull green carbonate changing into a buff grey ultramafic carbonate at 462.0.   | 989              | 459.0 461.5 | NIL-         |
|                      |   | 990              | 487.0 489.9 | 0.02-        |
| 490.0 519.0          | Zone of cherty carbonate, up to 50% quartz locally with less than 1% pyrite. Buff shaly locally. 502.0-506.0, tuffaceous, speckled.   | 991              | 489.9 494.2 | 0.002-       |
|                      |   | 992              | 494.2 497.0 | 0.11- 2.9    |
|                      |   | 993              | 497.0 499.2 | 0.10- 2.2    |
|                      |   | 994              | 499.2 505.0 | 0.21- 5.9    |
|                      |   | 995              | 505.0 509.0 | 0.002-       |
|                      |   | 996              | 509.0 514.2 | 0.005-       |
|                      |   | 997              | 514.2 519.0 | NIL          |
| 519.0 555.0          | Green to buff carbonate, less than 10% dull grey carbonate.   | 998              | 519.0 522.0 | 0.005-       |
| 555.0 576.0          | Ultramafic with sections of grey and green carbonate, where laminated, 60° to core axis.  |                  |             |              |
| 576.0 650.0          | Green carbonate, 10% white quartz, brilliant, with sections of buff and grey carbonate. Up to 50-60% quartz locally with 1-2% pyrite. Rusty slips 577.0-589.0, 635.0-652.0. |                  |             |              |

494.2 - 505.0  
 10.8  
 16/66

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-47  
Page No. 3

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
|                      |   | 999              | 575.6 579.5 | NIL ✓        |
|                      |   | 1000             | 579.5 583.9 | 0.002 ✓      |
|                      |   | 401              | 583.9 588.2 | NIL ✓        |
|                      |   | 402              | 588.2 593.0 | NIL ✓        |
|                      |   | 403              | 593.0 597.3 | 0.002 ✓      |
|                      |   | 404              | 597.3 601.3 | NIL ✓        |
|                      |   | 405              | 601.3 604.0 | NIL ✓        |
|                      |   | 406              | 604.0 606.5 | NIL ✓        |
|                      |   | 407              | 606.5 608.2 | 0.002 ✓      |
|                      |   | 408              | 608.2 611.2 | NIL ✓        |
|                      |   | 409              | 611.2 614.0 | NIL ✓        |
|                      |   | 410              | 614.0 618.3 | NIL ✓        |
|                      |   | 411              | 618.3 622.4 | NIL ✓        |
|                      |   | 412              | 622.4 627.0 | NIL ✓        |
|                      |   | 413              | 627.0 632.3 | NIL ✓        |
|                      |   | 414              | 632.3 635.7 | NIL ✓        |
|                      |   | 415              | 635.7 637.7 | NIL ✓        |
| 650.0 710.0          | Ultramafic, 30-40% white carbonate, brecciated to laminated at 70-80° to core axis. |                  |             |              |
| 710.0                | End of hole.  |                  |             |              |



DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-48                             |
| Location: Omega Group                                | Date Started: Aug. 14, 1983                   |
| Level: Surface                                       | Date Finished: Aug. 19, 1983                  |
| Bearing: 329°  | Core Size: BQ                                 |
| Inclination: -45° 72'                                | Logged by: Guy Hinse                          |
| Total Depth: 717.0 feet                              | Signed: <u>G. J. Hinse</u>                    |
| Location of Collar: 900E, 816N.                      | Core Saved or Discarded: Stored at Omega Mine |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | Casing Pulled: (X) or Left: ( )               |
|  | Acid Tests:                                   |
|  | At: 300' -38°                                 |
|  | At: 717' -30°                                 |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 24.0             | Casing  |                  |             |              |
| 24.0 75.0            | Dull green carbonate, laminated 35° to core axis, 10-30% dull grey carbonate.<br>34.0-37.0, silicified with 3-4% pyrite and a few specks of chalcopyrite.         | 438              | 34.4 37.0   | 0.002-       |
|                      |   | 439              | 66.8 68.7   | NIL-         |
| 75.0 105.0           | Grey carbonate (ultramafic). Laminated 60° to core axis. 102.0-103.5, 3" quartz veins, several rusty fractures, hematized.  |                  |             |              |
| 105.0 184.0          | Ultramafic, laminated 60° to core axis. 163.0-167.0 cherty, 7-10% pyrite, ultramafic texture still visible.   | 468              | 161.0 163.0 | 0.01 -       |
|                      |   | 469              | 163.0 166.4 | 0.002-       |
|                      |   | 470              | 166.4 168.8 | NIL-         |
|                      |   | 471              | 182.0 184.3 | 0.002-       |
| 184.0 224.0          | Mudstone, low chert to highly cherty with 20% pyrite. Contains short sections of green carbonate in upper portion of zone.<br>203.0-207.0, 40% basaltic material. | 472              | 184.3 188.4 | NIL-         |
|                      |   | 473              | 188.4 192.0 | 0.08 0.7     |
|                      |   | 474              | 192.0 195.3 | 0.12 3.3     |
|                      |   | 475              | 195.3 197.0 | 0.05-        |
|                      |   | 476              | 197.0 201.0 | 0.02-        |
|                      |   | 477              | 201.0 205.1 | 0.01         |
|                      |   | 478              | 205.1 208.8 | 0.03-        |
|                      |   | 479              | 208.8 212.2 | 0.04-        |
|                      |   | 480              | 212.2 215.5 | 0.04-        |
|                      |   | 481              | 215.5 219.0 | 0.05         |
|                      |   | 482              | 219.0 222.4 | 0.13         |
|                      |   | 483              | 222.4 224.5 | 0.01         |
| 224.0 259.0          | Grey carbonate at first, getting tuffaceous, basaltic downward. Contains short sections of pyritized mudstone.  | 484              | 235.1 239.1 | 0.005-       |

188.4 - 195.3  
6.9' .099

188.4 - 222.4  
34.0 .055

}  
}

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-48  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
|                      |   | 485              | 249.5 253.0 | 0.002✓       |
|                      |   | 486              | 257.0 259.2 | 0.002✓       |
| 259.0 272.5          | Mudstone, cherty with 3-5% pyrite.  | 487              | 259.2 263.0 | 0.002✓       |
|                      |   | 488              | 263.0 266.5 | 0.005✓       |
|                      |   | 489              | 266.5 270.0 | 0.005✓       |
|                      |   | 490              | 270.0 272.0 | 0.002✓       |
| 272.5 320.0          | Tuffaceous carbonate, grey with green volcanic material. Well laminated 60° to core axis. Few coarse crystals of pyrite. Last 10 feet, grey, shaly, 60° to core axis. | 491              | 316.0 319.9 | 0.002✓       |
| 320.0 345.0          | Graphitic shale with cherty mudstone, 2-3% pyrite. Contains narrow sections of buff carbonate.  |                  |             |              |
|                      | 330.0, 2" of hematized cherty mudstone.   |                  |             |              |
|                      |   | 492              | 319.9 324.8 | 0.005✓       |
|                      |   | 493              | 324.8 329.0 | 0.002✓       |
|                      |   | 494              | 329.0 332.1 | 0.002✓       |
|                      |   | 495              | 332.1 337.0 | NIL✓         |
|                      |   | 496              | 337.0 342.2 | NIL✓         |
|                      |   | 497              | 342.2 344.1 | NIL✓         |
| 345.0 350.0          | Buff carbonate, dull with 30-40% white quartz veining.  | 498              | 344.1 348.4 | NIL✓         |
| 350.0 357.0          | Cherty grey mudstone, highly brecciated with hematized fractures, up to 20% pyrite over short sections.   | 499              | 348.4 352.2 | 0.04✓        |
|                      |   | 500              | 352.2 355.0 | 0.005✓       |
|                      |   | 519              | 355.0 357.6 | 0.005✓       |
| 357.0 368.0          | Grey tuffaceous material with short sections of mudstone.   |                  |             |              |
|                      |   | 520              | 357.6 359.5 | 0.005✓       |
|                      |   | 521              | 365.2 367.0 | 0.005        |
| 368.0 380.0          | Mudstone with graphitic shale, up to 3% pyrite.   |                  |             |              |
|                      |   | 522              | 367.0 371.0 | 0.01✓        |
|                      |   | 523              | 371.0 375.0 | 0.01✓        |
|                      |   | 524              | 375.0 380.1 | 0.005        |
| 380.0 400.0          | as 357.0-368.0.   |                  |             |              |
|                      |   | 525              | 380.1 382.1 | 0.002✓       |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie

Project No: 1022

Hole No. OM 83-48  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 400.0 452.0          | Cherty mudstone, less than 1-2% pyrite.<br>427.0-440.0 graphitic shale.  | 526              | 399.9 404.5 | 0.002 ✓      |
|                      |  | 527              | 404.5 409.8 | 0.002 ✓      |
|                      |  | 528              | 409.8 415.2 | 0.01 ✓       |
|                      |  | 529              | 415.2 418.4 | NIL ✓        |
|                      |  | 530              | 418.4 422.0 | 0.02 ✓       |
|                      |  | 531              | 422.0 426.5 | 0.005 ✓      |
|                      |  | 532              | 426.5 429.7 | 0.005 ✓      |
|                      |  | 533              | 439.4 444.6 | NIL ✓        |
|                      |  | 534              | 444.6 448.6 | NIL ✓        |
| 452.0 475.0          | Mixture of grey carbonate with muddy sections. Grey carbonate,<br>massive to shaly.  | 535              | 448.6 453.2 | 0.01 ✓       |
| 475.0 504.0          | Graphitic shale and mudstone, little pyrite.   | 536              | 478.0 482.6 | 0.002 ✓      |
|                      |  | 537              | 482.6 487.0 | NIL ✓        |
|                      |  | 538              | 487.0 489.8 | NIL ✓        |
|                      |  | 539              | 489.8 492.8 | NIL ✓        |
|                      |  | 540              | 499.6 503.2 | 0.005 ✓      |
| 504.0 514.0          | Basaltic tuff, muddy.  |                  |             |              |
| 514.0 644.0          | Homogeneous grey mudstone, with pinkish tinge, locally<br>speckled, locally cherty with minor pyrite.<br>603.5 pinkish tinge stops quite abruptly with a 2" chlorite-<br>feldspar vein with some hematization. | 541              | 532.0 536.4 | 0.02 ✓       |
|                      |  | 542              | 536.4 539.3 | 0.04 ✓       |
|                      |  | 543              | 641.7 643.7 | NIL ✓        |
| 644.0 672.0          | Buff carbonate for 10', then dull green carbonate.   | 544              | 643.7 648.1 | NIL ✓        |
|                      |  | 545              | 648.1 652.7 | NIL ✓        |
|                      |  | 546              | 652.7 660.1 | NIL ✓        |
|                      |  | 547              | 660.1 667.0 | NIL ✓        |
| 672.0 721.0          | Ultramafic, 40% white carbonate, contorted 721.0, muddy,<br>broken up, fault?  |                  |             |              |
| 721.0                | End of hole.   |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. 83-49

Location: Omega Group

Date Started: Aug. 19, 1983

Page No. 1

Level: Surface

Date Finished: Aug. 23, 1983

Core Size: BQ

Bearing: 329°

Logged by: Guy Hinse

Signed: G. J. Hinse

Inclination: -60°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 677.0 feet

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 900E, 816N

Project: 1022

At: 677' -58½°

Drilled by: Heath & Sherwood, Kirkland Lake

At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 21.0             | Casing   |                  |             |              |
| 21.0 88.0            | Mudstone, not too cherty, massive, up to 3 to 10% pyrite. Contains short sections of green carbonate with hematized fractures. Mudstone is locally cherty with up to 50% white quartz.<br>65.0-88.0, syenitized. | 564              | 20.9 24.9   | 0.002 -      |
|                      |  | 565              | 24.9 27.0   | 0.005 -      |
|                      |  | 566              | 27.0 32.5   | 0.005 -      |
|                      |  | 567              | 32.5 38.0   | NIL -        |
|                      |  | 568              | 38.0 43.0   | NIL -        |
|                      |  | 569              | 43.0 46.8   | NIL -        |
|                      |  | 570              | 46.8 50.8   | 0.002 -      |
|                      |  | 571              | 50.8 56.2   | NIL -        |
|                      |  | 572              | 56.2 62.0   | 0.002 -      |
|                      |  | 573              | 62.0 67.0   | 0.005 -      |
|                      |  | 574              | 67.0 73.2   | NIL -        |
|                      |  | 575              | 73.2 80.6   | 0.005 -      |
|                      |  | 576              | 80.6 85.7   | 0.002 -      |
|                      |  | 577              | 85.7 88.0   | 0.002 -      |
| 88.0 114.0           | Dull green carbonate. At 102.0, 1.0' several hematized fractures. 107.0-109.0 green mica shale?  |                  |             |              |
| 114.0 150.0          | Grey carbonate (ultramafic).   |                  |             |              |
| 150.0 217.0          | Ultramafic.  |                  |             |              |
| 217.0 280.0          | Grey carbonate (ultramafic).   |                  |             |              |
| 280.0 318.0          | Highly cherty mudstone with 20% pyrite locally. Few narrow green carbonate sections.<br>297.0-300.5 rusty parallel to core.  | 578              | 280.0 283.5 | 0.01 -       |
|                      |  | 579              | 283.5 287.9 | 0.05 -       |
|                      |  | 580              | 287.9 292.0 | 0.02 -       |
|                      |  | 581              | 292.0 296.0 | 0.005 -      |
|                      |  | 582              | 296.0 299.8 | NIL -        |
|                      |  | 583              | 299.8 303.9 | 0.002 -      |
|                      |  | 584              | 303.9 309.4 | 0.002 -      |
|                      |  | 585              | 309.4 313.0 | 0.04 -       |
|                      |  | 586              | 313.0 318.0 | 0.01 -       |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No:1022

Hole No.OM 83-49  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton   |
|----------------------|--|------------------|-------------|----------------|
| 318.0 344.0          | Grey green carbonate, well laminated 50° to core axis. Less than 20% dull grey laminate.                 | 587              | 339.7 344.3 | 0.002 ✓        |
| 344.0 359.0          | Graphitic shale with some sections of chery mudstone.  | 588              | 344.3 348.9 | NIL ✓          |
|                      |  | 589              | 348.9 353.6 | NIL ✓          |
|                      |  | 590              | 353.6 358.0 | NIL ✓          |
| 359.0 376.0          | Grey-green carbonate, dull.<br>364.0-376.0, bleached, several rusty with heavy hematite.<br>Major fault. | 591              | 358.0 363.9 | 0.002 ✓        |
|                      |  | 592              | 363.9 369.2 | 0.005 ✓        |
|                      |  | 593              | 369.2 373.0 | 0.01 ✓         |
|                      |  | 594              | 373.0 375.5 | 0.01 ✓         |
| 376.0 404.0          | Graphitic shale with cherty mudstone, up to 25% locally.   | 595              | 375.5 378.8 | 0.03 - 0.4     |
|                      |  | 596              | 378.8 382.4 | 0.18 - 3.6     |
|                      |  | 597              | 382.4 386.6 | 0.01 ✓ .165/d' |
|                      |  | 598              | 386.6 391.1 | 0.04 ✓         |
|                      |  | 599              | 391.1 395.9 | 0.01 ✓         |
|                      |  | 600              | 395.9 400.7 | 0.005 ✓        |
|                      |  | 1001             | 400.7 404.0 | 0.005 ✓        |
| 404.0 439.0          | Grey carbonate, less than 10% dull grey carbonate, laminated 45-60° to core axis.                        | 1002             | 433.8 439.5 | NIL ✓          |
| 439.0 499.5          | Grey massive mudstone, up to 20% pyrite locally, few white quartz veinlets.                              | 1003             | 439.5 444.8 | NIL ✓          |
|                      |  | 1004             | 444.8 451.0 | NIL ✓          |
|                      |  | 1005             | 451.0 457.0 | 0.002 ✓        |
|                      |  | 1006             | 457.0 459.5 | 0.005 ✓        |
|                      |  | 1007             | 459.5 462.3 | 0.08 - 2.8     |
|                      |  | 1008             | 462.3 464.8 | 0.38 - 3.5     |
|                      |  | 1009             | 464.8 467.8 | 0.02 - 3.0     |
|                      |  | 1010             | 467.8 472.3 | 0.005 - 4.0    |
|                      |  | 1011             | 472.3 474.6 | 0.15 - 1.5     |
|                      |  | 1012             | 474.6 480.0 | NIL ✓          |
|                      |  | 1013             | 480.0 484.0 | 0.002 ✓        |
|                      |  | 1014             | 484.0 489.0 | 0.005 ✓        |
|                      |  | 1015             | 489.0 493.7 | 0.005 ✓        |
|                      |  | 1016             | 493.7 497.0 | NIL ✓          |
|                      |  | 1017             | 497.0 499.8 | 0.002 ✓        |
| 499.5 507.0          | Green carbonate, 10-20% white quartz.  |                  |             |                |

459.5 - 474.6  
 15.1' .106

222  
 5.31

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie

Project No:1022

Hole No.OM 83-49  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 1018             | 499.8 502.0 | 0.005 /      |
| 507.0 519.0          | Massive buff carbonate.  |                  |             |              |
| 519.0 534.0          | Grey carbonate (ultramafic).   | 1019             | 519.2 526.4 | NIL /        |
| 534.0 542.0          | Green carbonate.   | 1020             | 538.8 542.1 | 0.002 /      |
| 542.0 667.0          | Grey and buff carbonate, with short sections of green,<br>shaly from 570.0 to 575.0.<br>604.0-657.0 almost all massive grey carbonate. | 1021             | 542.1 548.0 | 0.005 /      |
|                      |  | 1022             | 548.0 550.8 | 0.002 /      |
|                      |  | 1023             | 562.9 569.0 | 0.005 /      |
|                      |  | 1024             | 575.8 581.9 | NIL /        |
|                      |  | 1025             | 603.6 609.1 | NIL /        |
|                      |  | 1026             | 625.5 629.1 | NIL /        |
|                      |  | 1027             | 629.1 632.0 | 0.005 /      |
|                      |  | 1028             | 632.0 634.5 | 0.002 /      |
|                      |  | 1029             | 648.8 653.1 | 0.002 /      |
|                      |  | 1030             | 653.1 658.8 | 0.002 /      |
|                      |  | 1031             | 658.8 661.7 | NIL /        |
|                      |  | 1032             | 661.7 667.0 | NIL /        |
| 667.0 677.0          | Buff grey carbonate (ultramafic).  |                  |             |              |
| 677.0                | End of hole.   |                  |             |              |

DIAMOND DRILL LOG

|   |   |
|---|---|
| Company: Lenora Exploration Limited               | Hole No. OM 83-50                             |
| Location: Omega Group                             | Date Started: Aug. 23, 1983                   |
| Level: Surface                                    | Date Finished: Aug. 27, 1983                  |
| Bearing: 329°                                     | Logged by: Guy Hinse                          |
| Inclination: -70°                                 | Signed: <i>G. J. Hinse</i>                    |
| Total Depth: 837.0 feet                           | Core Saved or Discarded: Stored at Omega Mine |
| Location of Collar: 900E, 600N                    | Casing Pulled: (X) or Left: ( )               |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ont. | Project: 1022                                 |
|   | Acid Tests: At: 828' -61°                     |
|   | At:   |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number                                     | From - To   | Au<br>oz/ton  |
|----------------------|---|--|---|---|
| 0.0 42.0             | Casing  |  |   |   |
| 42.0 156.5           | Ultramafic, schistose at 40 to 45° to core axis.<br>59.0-65.5, lamprophyre.<br>71.15-83.0, lamprophyre.<br>Last 5' up to 10-15% quartz, grading contact with below. | 1033<br>1034   | 149.1 151.7<br>151.7 156.0  | NIL ✓<br>0.002 ✓  |
| 156.5 167.0          | Green carbonate, up to 10% quartz, contorted to laminated 45° to core axis.   | 1035<br>1036<br>1037<br>1038                         | 156.0 158.5<br>158.5 161.3<br>161.3 164.6<br>164.6 167.0  | 0.005 ✓<br>0.002 ✓<br>0.002 ✓<br>0.005 ✓                            |
| 167.0 181.0          | Buff carbonate, 30-40% dull grey laminae, well laminated 45° to core axis. Last 5' almost a shale, less than 5% dull grey laminae.                                  |  |   |   |
| 181.0 224.0          | Dull green carbonate, well laminated at 40° to core axis, up to 50% quartz locally.   | 1039<br>1040<br>1041<br>1042<br>1043<br>1044<br>1045 | 195.6 198.0<br>198.0 202.7<br>202.7 205.2<br>205.2 210.5<br>210.5 214.9<br>214.9 219.7<br>219.7 224.6 | NIL ✓<br>NIL ✓<br>0.002 ✓<br>NIL ✓<br>0.005 ✓<br>0.005 ✓<br>0.002 ✓ |
| 224.0 229.0          | Grey massive cherty mudstone, brecciated, 30% quartz, 1% pyrite.  | 1046   | 224.6 228.4   | NIL ✓   |
| 229.0 241.0          | Dull green carbonate, short sections of buff carbonate. 230.0-232.0, rusty, contorted. 236.0 grading into following.  | 1047<br>1048<br>1049<br>1050                         | 228.4 233.2<br>233.2 236.0<br>236.0 238.9<br>238.9 241.1  | 0.002 ✓<br>0.002 ✓<br>0.005 ✓<br>0.005 ✓                            |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-50  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number                             | From - To  | Au<br>oz/ton   |
|----------------------|--|--|--|--|
| 241.0 318.0          | Ultramafic, well laminated at 30° to core axis. 20-30% white carbonate veinlets.<br>307.0 grading into carbonate.  |  |  |  |
| 318.0 361.0          | Grey to buff grey carbonate, massive, barren.<br>Last 10.0 feet could contain narrow sections of cherty mudstone.  | 1051<br>1052<br>1053                         | 348.5 352.0<br>352.0 357.0<br>357.0 360.8  | 0.08 ✓<br>0.002 ✓<br>NIL ✓                                   |
| 361.0 376.0          | Syenite or syenitized mudstone, 10-30% quartz and 2-5% pyrite. Graphitic slip parallel core axis at lower contact. | 1054<br>1055<br>1056                         | 360.8 364.9<br>364.9 369.3<br>369.3 373.8  | 0.005 ✓<br>0.002 ✓<br>NIL ✓                                  |
| 376.0 411.0          | Ultramafic, 10-20% white carbonate veinlets.   | 1057<br>1058<br>1059                         | 373.8 377.6<br>377.6 380.9<br>380.9 383.4  | 0.005 ✓<br>NIL ✓<br>0.002 ✓                                  |
| 411.0 439.0          | Ultramafic shale with 30% mica grading into tuff at 425.0', 60° to core axis.                                      | 1060<br>1061                                 | 415.0 420.0<br>420.0 425.0   | 0.002 ✓<br>0.01 ✓  |
| 439.0 503.0          | Ultramafic, less than 10% white carbonate.<br>439.0-443.0, 30-40% white quartz breccia.                            | 1062   | 439.3 443.0  | 0.02 ✓   |
| 503.0 540.0          | Buff grey carbonate up to 60% white carbonate (ultramafic), contorted.   | 1071   | 532.0 537.0  | 0.002 ✓  |
| 540.0 574.0          | Ultramafic tuff, contorted, full of soft sediment deformation.   |  |  |  |
| 574.0 592.0          | Graphitic shale with cherty mudstone.<br>At 587.0, 1.0' highly graphitic.  | 1098<br>1072<br>1073<br>1074<br>1075<br>1076 | 574.0 577.0<br>577.0 580.0<br>580.0 583.0<br>583.0 586.0<br>586.0 589.0<br>589.0 592.0 | 0.002 ✓<br>0.005 ✓<br>0.03 ✓<br>0.005 ✓<br>0.04 ✓<br>0.002 ✓ |
| 592.0 635.0          | Buff carbonate, 30-40% dull grey carbonate.  | 1077   | 631.0 634.0  | 0.02 ✓   |



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-50  
 Page No. 3

| Footage From - To | Geological & Physical Description   | Sample Number | From - To   | Au oz/ton |
|-------------------|---|---------------|-------------|-----------|
| 635.0 640.0       | 4" graphitic shale followed by massive grey mudstone, 3-4% pyrite.          | 1078          | 634.0 639.0 | 0.002 /   |
| 640.0 682.0       | Buff carbonate, lineated 50° to core axis, 10-20% dull grey carbonate.      | 1099          | 678.6 681.6 | 0.08 /    |
| 682.0 788.0       | Massive grey mudstone, up to 20% pyrite locally, 4 specks of V.G. at 715.5. | 1079          | 681.6 684.6 | 0.06 /    |
|                   |   | 1080          | 684.6 687.6 | 0.03 /    |
|                   |   | 1081          | 687.6 690.6 | 0.02 /    |
|                   |   | 1082          | 690.6 693.6 | 0.004 /   |
|                   |   | 1083          | 693.6 696.6 | 0.02 /    |
|                   |   | 1084          | 696.6 699.6 | 0.03 /    |
|                   |   | 1085          | 699.6 702.6 | 0.04 /    |
|                   |   | 1086          | 702.6 705.6 | 0.10 /    |
|                   |   | 1087          | 705.6 708.6 | 0.02 /    |
|                   |   | 1088          | 708.6 711.6 | 0.02 /    |
|                   |   | 1089          | 711.6 714.6 | 0.002 /   |
|                   |   | 1090          | 714.6 717.6 | 0.08 /    |
|                   |   | 1091          | 717.6 719.6 | 0.02 /    |
|                   |   | 1092          | 719.6 722.6 | 0.08 /    |
|                   |   | 1093          | 722.6 727.0 | 0.002 /   |
|                   |   | 1094          | 727.0 732.0 | 0.002 /   |
|                   |   | 1095          | 732.0 737.0 | NIL /     |
|                   |   | 1096          | 737.0 741.0 | NIL /     |
|                   |   | 1100          | 741.0 744.5 | NIL /     |
|                   |   | 1101          | 744.5 750.0 | NIL /     |
|                   |   | 1102          | 750.0 755.0 | 0.002 /   |
|                   |   | 1103          | 755.0 760.0 | NIL /     |
|                   |   | 1104          | 760.0 765.0 | NIL /     |
|                   |   | 1105          | 765.0 770.0 | NIL /     |
|                   |   | 1106          | 770.0 775.0 | NIL /     |
|                   |   | 1107          | 775.0 780.0 | NIL /     |
|                   |   | 1108          | 780.0 785.8 | NIL /     |
| 788.0 799.0       | Dirty mudstone, up to 40% volcanic material.                                | 1109          | 785.8 792.0 | NIL /     |
|                   |   | 1110          | 792.0 798.0 | 0.002 /   |
| 799.0 803.0       | Highly cherty mudstone with up to 10% pyrite.                               | 1097          | 798.0 803.0 | 0.05 /    |
| 803.0 837.0       | Ultramafic, up to 80-90% white carbonate.                                   |               |             |           |
| 837.0             | End of hole.  |               |             |           |

*681.6 - 722.6  
 41.0 = .038*

*702.6 - 722.6  
 20.0 = .0473*

V.G.

*3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0  
 3.0*

SLUDGE SAMPLES

*647.0 657.0 0.01  
 707.0 717.0 0.02  
 717.0 727.0 0.05*

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-51

Location: Omega Group

Date Started: Aug. 27, 1983

Page No. 1

Level: Surface

Date Finished: Sep. 1/83

Core Size: BQ

Bearing: 329°

Logged by: Guy Hinse

Signed: G. J. Hinse

Inclination: -45°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 607.0 feet

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 1200E, 621N

Project: 1022

At: 607' -39°

Drilled by: Heath & Sherwood, Kirkland Lake, Ont.

At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To | Au<br>oz/ton    |
|----------------------|---|------------------|-----------|-----------------|
| 0.0 12.0             | Casing  |                  |           |                 |
| 12.0 26.0            | Buff carbonate, slightly brecciated, 20-30% grey dull carbonate matrix. Barren.   |                  |           |                 |
| 26.0 39.0            | Dull grey-green carbonate, slightly brecciated, few white quartz veins parallel to core axis. Barren.   |                  |           |                 |
| 39.0 46.5            | Buff and grey carbonate, slightly brecciated, 10-15% dull grey matrix. Barren.  |                  |           |                 |
|                      |   | 1111             | 37.0 40.3 | 0.02 / 3.3      |
|                      |   | 1112             | 40.3 43.5 | 0.01 / 3.2 9.7' |
|                      |   | 1113             | 43.5 46.7 | 0.02 / 3.2      |
| 46.5 51.5            | Dull green carbonate, over 50% dull grey matrix, somewhat laminated to weakly brecciated. Barren.   |                  |           |                 |
| 51.5 59.5            | Buff sandstone, massive, slightly recrystallized.<br>57.7, 5" grey mudstone with 10-15% pyrite.   |                  |           |                 |
|                      |   | 1114             | 57.7 60.6 | 0.002 /         |
| 59.5 61.0            | Quartz and carbonate breccia, barren.   |                  |           |                 |
| 61.0 68.0            | Dull green carbonate, 50% dull grey matrix. Barren.   |                  |           |                 |
| 68.0 77.0            | Buff carbonate, contorted, 10-30% dull grey matrix, barren.<br>69.0-70.5, highly rusty, broken up, quartz and carbonate veining with dendritic texture, fault.<br>74.5-75.0, rusty. |                  |           |                 |
|                      |   | 1115             | 68.2 72.0 | 0.08 /          |
| 77.0 79.0            | Ultramafic tuff material and 30% pyrite and green mica shale.<br>77.0-77.5, quartz and carbonate breccia, traces of hematite.<br>Well bedded, 60° to core axis.                     |                  |           |                 |
| 79.0 106.0           | Dull green carbonate, as before, 50-60% dull grey matrix.<br>88.5-91.5, 10-30% quartz breccia, 2-3% disseminated pyrite at 88.5<br>95.0 carbonate decreasing down hole.             |                  |           |                 |
| 106.0 223.5          | Ultramafic, weakly brecciated, barren.<br>106.0-117.0, 20-30% white carbonate veinlets.<br>117.0, massive, few white carbonate veinlets.  |                  |           |                 |

37.0-46.7  
9.7 .017

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-51  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 223.5 237.0          | Highly brecciated or conglomerate. Well rounded fragments of grey carbonate (ultramafic) in a white carbonate matrix. Few white quartz veins with hematite. 236.5-237.0, fault gouge? or grinding.   |                  |             |              |
| 237.0 244.5          | Ultramafic with 20-30% white carbonate veinlets, barren.   |                  |             |              |
| 244.5 287.5          | Grey carbonate, with poor buff sections. Barren. 277.0-280.0. Massive buff carbonate, less than 3% dull grey carbonate matrix.   | 1130             | 283.0 287.5 | 0.005 ✓      |
| 287.5 332.0          | Mixture of black graphitic shale with 50% highly cherty grey mudstone., Contains locally up to 10% fine pyrite. Black shale also pyritized in pods, patches and disseminations, up to 10%. Highly cherty section very finely laminated, consists almost of fine chert with mica and 10-20% very fine pyrite. | 1131             | 287.5 290.4 | 0.10 ✓       |
|                      |  | 1132             | 290.4 295.3 | 0.002 ✓      |
|                      |  | 1133             | 295.3 300.1 | 0.005 ✓      |
|                      |  | 1134             | 300.1 305.0 | 0.002 ✓      |
|                      |  | 1135             | 305.0 309.6 | 0.002 ✓      |
|                      |  | 1136             | 309.6 313.0 | NIL ✓        |
|                      |  | 1137             | 313.0 318.0 | 0.01 ✓       |
|                      |  | 1138             | 318.0 322.8 | 0.002 ✓      |
|                      |  | 1139             | 322.8 327.5 | 0.002 ✓      |
|                      |  | 1140             | 327.5 332.2 | 0.005 ✓      |
| 332.0 367.5          | Buff carbonate, laminated 60 to 80° to core axis, 40-50% dull grey and green carbonate, barren.  | 1141             | 332.2 334.2 | NIL ✓        |
| 367.5 389.0          | Chert, albite, pyrite zone, up to 10-20% pyrite in best developed sections. Locally laminated 60-80° to core axis.   | 1116             | 367.5 371.0 | 0.005 ✓      |
|                      |  | 1117             | 371.0 375.5 | 0.005 ✓      |
|                      |  | 1118             | 375.5 380.4 | 0.002 ✓      |
|                      |  | 1119             | 380.4 384.4 | 0.005 ✓      |
|                      |  | 1120             | 384.4 388.8 | 0.002 ✓      |
| 389.0 398.0          | Buff to dull grey carbonate, well brecciated, barren.  | 1121             | 388.8 395.1 | NIL ✓        |
|                      |  | 1122             | 395.1 398.4 | NIL ✓        |
| 398.0 401.5          | Graphitic shale, weakly cherty, minor pyrite, weakly brecciated to laminated at 60° to core axis.  | 1123             | 398.4 401.3 | 0.002 ✓      |
| 401.5 403.0          | Dull green carbonate, barren.  |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-51  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 403.0 408.0          | Graphitic shale, traces of pyrite, 60° to core axis.   |                  |             |              |
| 408.0 431.0          | Dull grey-green to dull green carbonate, weakly brecciated, barren.  | 1124             | 429.0 431.3 | 0.002 ✓      |
| 431.0 447.0          | Grey massive to weakly brecciated mudstone. Not too cherty, less than 3% pyrite. Contains several hematized fractures. 441.0, highly cherty brecciated mudstone, 10% fine pyrite. Last 8", rusty, vuggy.         | 1125             | 431.3 436.0 | 0.002 ✓      |
|                      | <i>440.5 - 447.0<br/>6.5 .231</i>  | 1126             | 436.0 440.5 | 0.02 ✓       |
|                      |  | 1127             | 440.5 443.7 | 0.39 ✓       |
|                      |  | 1128             | 443.7 447.0 | 0.09 ✓       |
|                      |  |                  |             | } 3.2<br>3.3 |
| 447.0 496.0          | Dull green carbonate, brecciated changing into grey-buff carbonate, laminated at 45° to core axis. Contains short sections of dull green carbonate.  | 1129             | 447.0 449.1 | 0.005 ✓      |
| 496.0 523.0          | Grey carbonate (ultramafic), well laminated at 60° to core axis.   |                  |             |              |
| 523.0 607.0          | Ultramafic, 50-60% white carbonate veinlets, decreasing downward. 577.0-593.0, some finely laminated sections at 90° to core axis. 593.0-604.0, well brecciated, ultramafic fragments in white carbonate matrix. |                  |             |              |
| 607.0                | End of hole.   |                  |             |              |

DIAMOND DRILL LOG

|  |   |                   |
|--|---|-------------------|
| Company: Lenora Exploration Limited                  | Date Started: Sept. 1/83                      | Hole No. OM 83-52 |
| Location: Omega Group                                | Date Finished: Sept. 8/83                     | Page No. 1        |
| Level: Surface                                       | Logged by: Guy Hinse                          | Core Size: BQ     |
| Bearing: 329°  | Signed: <u>G. J. Hinse</u>                    |                   |
| Inclination: -75°                                    | Core Saved or Discarded: Stored at Omega Mine |                   |
| Total Depth: 647.0'                                  | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Location of Collar: 1200E, 620N 621N                 | Project: 1022                                 | At: 300 -74°      |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   | At: 630 -70°      |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 12.0             | Casing  |                  |             |              |
| 12.0 54.0            | Carbonate, buff-grey to green.<br>31.5-41.0, up to 10-20% white quartz with minor pyrite.<br>47.0-49.0, 40% white quartz.   |                  |             |              |
|                      |   | 1142             | 11.2 13.4   | 0.02         |
|                      |   | 1143             | 31.6 33.5   | 0.005        |
|                      |   | 1144             | 33.5 36.5   | 0.02 3'      |
|                      |   | 1145             | 36.5 39.0   | 0.01 2.5     |
|                      |   | 1147             | 39.0 42.9   | 0.03 3.9     |
|                      |   | 1146             | 42.9 44.9   | 0.02 2.0     |
| 54.0 64.0            | Sandstone, few green mica shards in a weakly brecciated buff matrix.<br>Laminated at 40° to core axis.  |                  |             |              |
| 64.0 77.0            | Dull green carbonate, weakly brecciated to laminated at 50-55° to core axis.  |                  |             |              |
| 77.0 86.5            | As at 54.0-64.0, but poorly developed. Upper contact at 45° to core axis.   |                  |             |              |
| 86.5 105.0           | Buff carbonate, locally green, weakly brecciated to laminated at 60° to core axis.  |                  |             |              |
| 105.0 131.0          | Dull grey carbonate, local changes to dull green and buff.<br>113.0-116.0 & 118.0-119.5, 40% white quartz.<br>119.5-125.0, rusty, vuggy.<br>129.0, grading into an ultramafic carbonate.  |                  |             |              |
| 131.0 138.5          | Ultramafic carbonate, brecciated, less than 10% white quartz.<br>Whole sections contain many rusty slips and fractures.   |                  |             |              |
| 138.5 244.0          | Ultramafic, up to 20% white carbonate and syenitized to 142.5.<br>Brecciated, barren.<br>Rusty slips and fractures, 6" at 152.0; 4' at 156.0.<br>At 177.0, changes abruptly into grey-black ultramafic, brecciated.<br>177.0-178.5, highly sheared, brecciated, 30° to core axis. |                  |             |              |
| 244.0 315.5          | Ultramafic, brecciated, 50% white carbonate.<br>270.5-273.0, highly brecciated.   |                  |             |              |
| 315.5 318.0          | Grey homogeneous mudstone, contorted, finely laminated, 1% pyrite.  |                  |             |              |
|                      |   | 1148             | 314.0 317.7 | 0.005        |

*33.5-44.9  
11.4 .021*

*11.4'*

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-52  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 318.0 322.0          | Tuffaceous mudstone, greenish, massive.   | 1149             | 317.7 321.7 | NIL          |
|                      |   | 1150             | 321.7 323.7 | 0.005        |
| 322.0 341.0          | Cherty mudstone, highly at first, light grey to hematite-red, grading into a cherty black recrystallized shale, highly brecciated 2-3% pyrite.  | 1151             | 323.7 328.0 | 0.002        |
|                      |   | 1152             | 328.0 331.0 | NIL          |
|                      |   | 1153             | 331.0 334.0 | NIL          |
|                      |   | 1154             | 334.0 336.0 | 0.005        |
| 331.5 341.0          | Tuffaceous mudstone, traces of pyrite, massive. Contains short sections of cherty buff mudstone.  | 1155             | 336.0 341.0 | 0.002        |
| 341.0 355.0          | Grey to buff cherty carbonate mudstone with sections highly cherty black mudstone first foot, 10% pyrite, after 1% pyrite.  | 1156             | 341.0 344.5 | 0.002        |
|                      |   | 1157             | 344.5 347.5 | NIL          |
|                      |   | 1158             | 347.5 350.5 | 0.002        |
|                      |   | 1159             | 350.5 352.7 | NIL          |
|                      |   | 1160             | 352.7 355.0 | NIL          |
| 355.0 393.0          | Grey cherty, carbonate mudstone, 1-2% pyrite, well laminated at 50° to core axis to contorted. Amount of pyrite related to change to buff color, ie. 5-10% pyrite such as at 373.0-376.0. | 1161             | 355.0 358.0 | 0.002        |
|                      |   | 1162             | 358.0 361.0 | 0.002        |
|                      |   | 1163             | 361.0 364.0 | 0.002        |
|                      |   | 1164             | 364.0 367.0 | NIL          |
|                      |   | 1165             | 367.0 370.0 | 0.002        |
|                      |   | 1166             | 370.0 372.0 | NIL          |
|                      |   | 1167             | 372.0 374.0 | 0.002        |
|                      |   | 1168             | 374.0 376.0 | 0.002        |
|                      |   | 1169             | 376.0 380.0 | 0.002        |
|                      |   | 1170             | 380.0 384.0 | 0.005        |
|                      |   | 1171             | 384.0 387.0 | 0.002        |
| 393.0 421.5          | Carbonate, grey-buff, contorted, weakly brecciated to laminated at 45 to 60° to core axis, less than 10% white quartz. 394.0-396.0, broken up.  | 1172             | 387.0 391.0 | 0.002        |
|                      |   | 1173             | 391.0 393.0 | 0.002        |
|                      |   |                  |             |              |
| 421.5 433.5          | Mudstone, grey homogeneous, 1-2% pyrite. 431.0-433.5, highly cherty, 10% very fine pyrite.  | 1174             | 421.0 424.0 | 0.01         |
|                      |   | 1175             | 424.0 427.0 | 0.01         |
|                      |   | 1176             | 427.0 430.0 | 0.005        |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-52  
Page No. 3

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
|                      |   | 1177 430.0 433.0           | 0.01         |
| 433.5 499.0          | Carbonate, grey to buff to dull green, weakly brecciated to laminated at 45° to core axis. Less than 10% white quartz. 433.5-434.5, broken up, hematized, brecciated. |                            |              |
| 499.0 525.0          | Carbonate, grey to buff, ultramafic, 45-60° to core axis, locally contorted.  |                            |              |
| 525.0 565.0          | Carbonate, dull green, brecciated, locally up to 10% white quartz, grading in green carbonate at 557.0 with 10-20% white quartz, brecciated.                          |                            |              |
| 565.0 597.0          | Grey ultramafic carbonate grading into ultramafic at 597.0, brecciated, contorted.  |                            |              |
| 597.0 647.0          | Ultramafic, brecciated with 10-30% white carbonate.   |                            |              |
| 647.0                | End of hole.  |                            |              |

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-53                             |
| Location: Omega Group                                | Date Started: Sept. 6/83                      |
| Level: Surface                                       | Date Finished: Sept. 11/83                    |
| Bearing: 329°  | Logged by: Guy Hinse                          |
| Inclination: -57°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 408.0 feet                              | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 1300E, 900N                      | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: 407' -52°                                 |

Hole No. OM 83-53  
 Page No. 1  
 Core Size: BQ  
 Signed: G. J. Hinse  
 Acid Tests:  
 At: 407' -52°  
 At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 30.0             | Casing   |                  |             |              |
| 30.0 32.0            | Cherty shaly mudstone, broken up, brecciated, 1% pyrite.   | 1178             | 30.0 33.0   | 0.01         |
| 32.0 40.0            | Grey cherty carbonate mudstone, 3-5% pyrite, contorted.  | 1179             | 33.0 36.0   | 0.01         |
|                      |  | 1180             | 36.0 41.0   | NIL          |
| 40.0 85.0            | Mudstone, shaly, weak chert, less than 1% pyrite.  | 1181             | 41.0 46.0   | NIL          |
|                      |  | 1182             | 46.0 51.0   | NIL          |
|                      |  | 1183             | 51.0 56.0   | 0.005        |
| 85.0 92.0            | Grey cherty carbonate mudstone, 3-5% pyrite. Well lineated locally at 60°.                         |                  |             |              |
|                      | 93.0-94.5, 112.0-113.0, broken up, higher brecciated with hematized fractures.                     |                  |             |              |
|                      | Section from 30.0 to 121.0 is moderately broken up, but no rusty fracture.                         |                  |             |              |
|                      |  | 1184             | 85.5 89.0   | 0.005        |
|                      |  | 1185             | 89.0 91.5   | NIL          |
| 92.0 135.0           | Mixture of grey mudstone with black to graphitic shale, contorted to 30 to 60° to core axis.       |                  |             |              |
|                      |  | 1186             | 91.5 97.0   | 0.002        |
|                      |  | 1187             | 97.0 102.0  | 0.002        |
|                      |  | 1188             | 102.0 107.0 | 0.002        |
| 135.0 144.0          | Buff carbonate, 70° to core axis.  |                  |             |              |
| 144.0 147.5          | Grey mudstone, 60° to core axis, 3% pyrite.  |                  |             |              |
| 147.5 153.0          | Dull buff carbonate.   |                  |             |              |
| 153.0 164.5          | Grey, highly cherty mudstone, up to 35% pyrite.  |                  |             |              |
|                      |  | 1189             | 153.0 156.0 | 0.12         |
|                      |  | 1190             | 156.0 159.0 | 0.03         |
|                      |  | 1191             | 159.0 160.0 | 0.02         |
|                      |  | 1192             | 160.0 163.0 | 0.005        |
| 164.5 174.5          | Shaly mudstone, highly brecciated from 164.5 to 167.0, few hematized fractures. Locally graphitic. |                  |             |              |
|                      |  | 1193             | 163.0 166.0 | 0.01         |



DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-53  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 174.5 219.0          | Dull green carbonate, looks ultramafic. Few rusty fractures from 202.0 to 207.0.                                    |                            |              |
| 219.0 270.0          | Tuffaceous mudstone, massive, barren to locally cherty with 1-2% pyrite.  |                            |              |
| 270.0 275.0          | Grey cherty carbonate mudstone with up to 20% pyrite, massive.  | 1194 270.0 273.0           | 0.02         |
| 275.0 280.5          | Brecciated mudstone, not cherty, some buff sericite. Rusty fracture, 10 <sup>0</sup> to core axis at upper contact. | 1195 273.0 276.0           | 0.28         |
| 280.5 307.0          | Dull green carbonate, brecciated.<br>299.0-307.0, 10-20% white quartz.  |                            |              |
| 307.0 327.0          | Grey ultramafic carbonate, brecciated, contorted.   |                            |              |
| 327.0 408.0          | Ultramafic with 20-30% white carbonate. Brecciated, contorted. 385.0-392.0, few hematized fractures.                |                            |              |
| 408.0                | End of hole.  |                            |              |

.15/60'

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-54

Location: Omega Group

Date Started: *sep. 12/83*

Page No. 1

Level: Surface

Date Finished: *sep. 15/83*

Core Size: BQ

Bearing: 329°

Logged by: Guy Hinse

Signed: *G. J. Hinse*

Inclination: -83°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 473.0 feet

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 1300E, 900N

Project: 1022

At: Collar -83°

Drilled by: Heath & Sherwood, Kirkland Lake, Ont.

At: 473' -80°

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 24.0             | Casing   |                  |             |              |
| 24.0 26.0            | Brecciated mudstone, broken up.  |                  |             |              |
| 26.0 34.5            | Grey mudstone, up to 10% pyrite, contorted.  | 1196             | 26.0 29.0   | 0.005        |
|                      |  | 1197             | 29.0 33.0   | 0.005        |
| 34.5 51.0            | Mixture of grey and shaly mudstone, up to 3% pyrite, traces of graphite.<br>48.0-51.0, several rusty fractures, 10-30% white quartz breccia.   | 1198             | 33.0 36.0   | 0.15         |
|                      |  | 1753             | 36.0 39.0   | 0.002        |
| 51.0 102.0           | Dull buff-green carbonate, brecciated to laminated at 45° to core axis.  |                  |             |              |
| 102.0 146.0          | Grey to buff carbonate mudstone, 35° to core axis.<br>104.0-111.5, highly cherty, grey, hematized, up to 10% pyrite.<br>133.0-146.0, very highly cherty buff mudstone, well laminated 30° to core axis. Less than 1% pyrite. | 1199             | 100.5 103.5 | 0.002        |
|                      |  | 1200             | 103.5 106.5 | 0.02         |
|                      |  | 1501             | 106.5 109.5 | 0.005        |
|                      |  | 1502             | 109.5 111.5 | NIL          |
|                      |  | 1503             | 111.5 115.0 | 0.002        |
|                      |  | 1504             | 115.0 118.0 | 0.03         |
|                      |  | 1505             | 118.0 121.0 | 0.02         |
|                      |  | 1506             | 121.0 126.0 | 0.002        |
|                      |  | 1507             | 126.0 131.0 | 0.005        |
|                      |  | 1508             | 131.0 136.0 | 0.005        |
|                      |  | 1509             | 136.0 141.0 | 0.01         |
|                      |  | 1510             | 141.0 146.0 | 0.01         |
| 146.0 194.0          | Mostly graphitic shale with short mineralized sections.  | 1511             | 146.0 151.0 | NIL          |
| 194.0 228.5          | Grey cherty carbonate mudstone, 1-3% pyrite, contorted.<br>203.5, grey-buff, very highly cherty with 3% pyrite.<br>Laminated 30° to core axis.   | 1512             | 194.0 197.0 | 0.002        |
|                      |  | 1513             | 197.0 200.0 | 0.002        |
|                      |  | 1514             | 200.0 203.0 | 0.002        |
|                      |  | 1515             | 203.0 206.0 | NIL          |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-54  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 1516             | 206.0 209.0 | 0.002        |
|                      |  | 1517             | 209.0 212.0 | 0.002        |
|                      |  | 1518             | 212.0 217.0 | 0.005        |
|                      |  | 1519             | 217.0 220.0 | 0.01         |
|                      |  | 1520             | 220.0 223.0 | 0.005        |
|                      |  | 1521             | 223.0 226.0 | 0.005        |
|                      |  | 1522             | 226.0 228.0 | 0.002        |
| 228.5 235.5          | Grey cherty mudstone, 1-2% pyrite, massive, few hematized fractures.<br>Last foot, 20% white quartz, highly cherty grey, 30% pyrite.   | 1523             | 228.0 232.0 | NIL          |
|                      |  | 1524             | 232.0 235.5 | 0.005        |
| 235.5 243.0          | Dull green carbonate.  | 1525             | 235.5 240.5 | NIL          |
| 243.0 278.5          | Grey carbonate mudstone, massive, some laminations at 40° to core axis. Less than 1% pyrite.<br>271.5-278.5, grey, highly brecciated, cherty, recrystallized mudstone, up to 10% pyrite. | 1526             | 247.0 252.0 | 0.002        |
|                      |  | 1527             | 252.0 256.0 | NIL          |
|                      |  | 1528             | 256.0 259.0 | 0.005        |
|                      |  | 1529             | 259.0 262.0 | 0.002        |
|                      |  | 1530             | 262.0 265.0 | 0.002        |
|                      |  | 1531             | 265.0 268.0 | 0.01         |
|                      |  | 1532             | 268.0 270.0 | 0.005        |
|                      |  | 1533             | 270.0 272.0 | 0.02         |
|                      |  | 1534             | 272.0 274.0 | 0.08 2.0     |
|                      |  | 1535             | 274.0 275.5 | 0.02 1.5     |
|                      |  | 1536             | 275.5 276.5 | 0.08 1.0     |
|                      |  | 1537             | 276.5 277.5 | 6.09 1.0     |
|                      |  | 1538             | 277.5 278.5 | 0.30 1.0     |
| 278.5 344.5          | Dull green carbonate, brecciated and laminated at 35° to core axis. Less than 10% quartz.  | 1539             | 278.5 281.5 | 0.005        |
| 344.5 365.0          | Buff carbonate, ultramafic.  |                  |             |              |
| 365.0 376.0          | Dull green carbonate.  |                  |             |              |
| 376.0 412.0          | Buff carbonate, ultramafic.  |                  |             |              |
| 412.0 417.0          | Ultramafic, up to 50% white carbonate.   |                  |             |              |
| 417.0 473.0          | Ultramafic, contorted to laminated at 45-60° to core axis, 40-50% white carbonate, locally approaching grey carbonate with an increase in white quartz, up to 10%.                       |                  |             |              |

*272.0-278.5 UNCW  
 6.5 1.025 CUT  
 6.5 0.242*

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-54  
Page No. 3

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| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

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473.0            End of hole.

AVERAGES:

272.0 to 278.5, 6.5 feet of 1.025 uncut

272.0 to 278.5, 6.5 feet of 0.242 cut to 1.0 oz.

Dec. 19/83

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-55                             |
| Location: Omega Group                                | Date Started: Sept. 6/83                      |
| Level: Surface                                       | Date Finished: Sep. 21/83                     |
| Bearing: -329°                                       | Logged by: Guy Hinse                          |
| Inclination: -60°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 967.0                                   | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 1100E, 650N                      | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: Collar -60°                               |
|  | At: 967' -50°                                 |

Page No. 1  
 Core Size: BQ  
 Signed: G. J. Hinse

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 36.0             | Casing   |                            |              |
| 36.0 77.0            | Ultramafic conglomerate, few distinguishable ultramafic clasts. Locally weakly altered (syenitization).  |                            |              |
| 77.0 87.0            | Beach conglomerate, few stretched clasts in a green mica-rich sandy matrix.  |                            |              |
| 87.0 95.5            | Buff carbonate, mica-shale-rich, weakly brecciated, 30% grey carbonate.  |                            |              |
| 95.5 146.0           | Dull green carbonate, 30-50% grey carbonate, short sections of mica shale to 107.0. After 107.0, grey carbonate increases to 70-80% with up to 30% white quartz. |                            |              |
|                      | 114.0-134.0, 1-2% fine disseminated pyrite.  |                            |              |
|                      | 134.0-146.0, highly cherty with up to 70% black chert, well laminated at 45° to core axis.   |                            |              |
| 146.0 157.0          | Grey carbonate mudstone, last foot green mica shale rich.  |                            |              |
| 157.0 325.0          | Ultramafic, 10-20% white carbonate, grading into dark grey fragments in 10% matrix.  |                            |              |
|                      | 252.0, broken up, 2 inches.  |                            |              |
|                      | 254.0, broken up, 8 inches, gougy, minor syenitization along fractures.  |                            |              |
|                      | 286.0-290.0, brecciated, several syenitized fractures.   |                            |              |
| 325.0 369.0          | Grey ultramafic carbonate.   |                            |              |
|                      | 365.0-369.0, broken up, several reddish fractures, gougy, rusty.   |                            |              |
| 369.0 422.5          | Mudstone, less than 1% pyrite, low to no chert, dark, shaly.   |                            |              |
|                      |  | 1540 368.0 373.0           | 0.002        |
|                      |  | 1541 373.0 378.0           | 0.002        |
|                      |  | 1542 378.0 383.0           | NIL          |
|                      |  | 1543 383.0 388.0           | 0.002        |
|                      |  | 1544 388.0 393.0           | NIL          |
|                      |  | 1545 393.0 398.0           | NIL          |
|                      |  | 1546 398.0 403.0           | NIL          |
|                      |  | 1547 403.0 408.0           | NIL          |
|                      |  | 1548 408.0 413.0           | 0.002        |
|                      |  | 1549 413.0 418.0           | 0.002        |
|                      |  | 1550 418.0 420.0           | NIL          |
|                      |  | 1551 420.0 423.5           | NIL          |
| 422.5 437.5          | Buff carbonate, 60-70% grey carbonate, locally almost a grey carbonate   |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project:

Project No:

Hole No. OM 83-55  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
|                      | mudstone.   |                  |             |              |
| 437.5 463.5          | Mudstone, less than 1% pyrite, low to no chert, dark, shaly, locally red alteration on fractures, at places highly cherty with little pyrite.                           | 1552             | 437.5 440.5 | 0.02         |
|                      |   | 1553             | 440.5 443.5 | 0.005        |
|                      |   | 1554             | 443.5 446.5 | 0.002        |
|                      |   | 1555             | 446.5 448.5 | 0.01         |
|                      |   | 1556             | 448.5 450.5 | 0.02         |
|                      |   | 1557             | 450.5 452.5 | 0.02         |
|                      |   | 1558             | 452.5 455.5 | 0.002        |
|                      |   | 1559             | 455.5 458.5 | NIL          |
|                      |   | 1560             | 458.5 463.5 | NIL          |
| 463.5 482.0          | Dull green carbonate, increasingly cherty towards 482.0   | 1877             | 479.0 482.0 | 0.01         |
| 482.0 510.5          | Grey mica shale, well laminated with 30% grey carbonate laminae.<br>482.0-484.0, weak red alteration, 3-5% pyrite, cherty.  | 1876             | 482.0 485.0 | 0.17         |
| 510.5 520.5          | Cherty mudstone with 3-5% pyrite.   | 1561             | 510.5 515.5 | 0.02         |
|                      |   | 1562             | 515.5 520.5 | 0.04         |
| 520.5 547.0          | Buff carbonate, 30-40% grey carbonate.  |                  |             |              |
| 547.0 604.5          | Dull green carbonate, 30-40% grey carbonate, minor quartz.  |                  |             |              |
| 604.5 619.0          | Buff ultramafic carbonate grading into:   |                  |             |              |
| 619.0 689.0          | Ultramafic, 30-50% white carbonate.   |                  |             |              |
| 689.0 741.0          | Dull to locally brilliant green carbonate, 10% grey carbonate, 10-20% white quartz. Locally ultramafic.   |                  |             |              |
| 741.0 746.0          | Grey ultramafic carbonate.  |                  |             |              |
| 746.0 873.0          | Tholeiitic tuff, minor ultramafic material.<br>754.5-757.3, cherty, 3-5% pyrite.  | 1563             | 754.5 757.8 | 0.02         |
|                      | Sharp contact at 746.0.<br>757.0 on, green tuff, lineated 45° to core axis.   |                  |             |              |
| 873.0 940.0          | Grading into a grey-buff carbonate.<br>880.5-920.0, highly broken up, gougy locally, contorted, major fault.<br>920.0-940.0, intensity of faulting decreases gradually. |                  |             |              |
| 940.0 967.0          | Buff carbonate, looks sandy. Large well-rounded fragments of buff carbonate in a green mica-rich matrix, matrix poor. Very odd carbonate.                               |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-56  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton       |
|----------------------|---|------------------|-------------|--------------------|
| 276.0 293.0          | Buff sandstone.   |                  |             |                    |
| 282.0,               | 6 inches small 1 mm concretions with bleached rims.   |                  |             |                    |
| 293.0 311.0          | Grey-green carbonate, up to 10% white quartz.   | 1569             | 307.0 310.0 | 0.002              |
|                      |   | 1570             | 310.0 313.0 | 0.01               |
| 311.0 321.0          | Mudstone, cherty, brecciated, up to 10-20% quartz, 3-5% pyrite.                                       | 1571             | 313.0 316.0 | 0.005              |
|                      |   | 1572             | 316.0 318.0 | 0.01               |
|                      |   | 1573             | 318.0 321.0 | 0.01               |
| 321.0 330.0          | Brownish-pink syenitized, highly silicified, less than 10% quartz, 3-5% pyrite.                       | 1574             | 321.0 324.0 | 0.005              |
|                      |   | 1575             | 324.0 327.0 | 0.002              |
|                      |   | 1576             | 327.0 330.5 | 0.002              |
| 330.0 359.0          | Mostly muddy and mica shale-rich carbonate with short sections of mineralized mudstone and, or chert. | 1577             | 330.5 335.5 | 0.002              |
|                      |   | 1578             | 335.5 340.5 | 0.02               |
|                      |   | 1579             | 340.5 345.5 | 0.002              |
|                      |   | 1580             | 345.5 350.5 | NIL                |
|                      |   | 1581             | 350.5 355.0 | 0.002              |
|                      |   | 1582             | 355.0 359.5 | 0.002              |
| 359.0 364.0          | Grey-green grading to buff ultramafic carbonate at 362.0.   |                  |             |                    |
| 364.0 402.0          | Ultramafic, 30-40% white carbonate, minor quartz.   |                  |             |                    |
|                      | 383.0-384.0, 386.5-389.0, white quartz.   |                  |             |                    |
|                      | 379.0, 2 inches fault breccia and gouge.  |                  |             |                    |
| 402.0 450.0          | Buff carbonate, 10-20% quartz.  |                  |             |                    |
|                      | 449.0-450.0, fragment of green and buff carbonate, highly brecciated, recrystallized.                 |                  |             |                    |
| 450.0 459.5          | Grey-green carbonate, dull, less than 10% quartz.   | 1583             | 453.0 457.0 | NIL                |
|                      |   | 1584             | 457.0 462.0 | 0.002              |
| 459.5 484.0          | Shaly graphitic mudstone, locally cherty with 1-2% pyrite.  | 1585             | 462.0 465.0 | NIL                |
|                      |   | 1586             | 465.0 468.0 | 0.002              |
|                      |   | 1587             | 468.0 472.0 | 0.005              |
|                      |   | 1588             | 472.0 475.0 | 0.002 <sup>2</sup> |
|                      |   | 1589             | 475.0 478.0 | 0.002              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-55  
Page No. 3

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| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

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|       |              |  |  |
|-------|--------------|--|--|
| 967.0 | End of hole. |  |  |
|       | NO AVERAGE.  |  |  |

Dec. 19/83.



DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-56                             |
| Location: Omega Group                                | Date Started: Sep. 22/83                      |
| Level: Surface                                       | Date Finished: Sep. 26/83                     |
| Bearing: 329°  | Logged by: Guy Hinse                          |
| Inclination: -77°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 621,0'                                  | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 1100E, 650N                      | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: 620 -70°                                  |

Page No. 1  
 Core Size: BQ  
 Signed: G. J. Huse  
 Acid Tests:  
 At: 620 -70°  
 At:

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 31.0             | Casing.  |                            |              |
| 31.0 72.0            | Looks like an ultramafic conglomerate, though clasts could be caused by tectonic breccia. Locally syenitized. No definite foreign clasts.                            |                            |              |
| 72.0 80.0            | Syenite, sharp upper and lower contact at 30° to core axis, medium grey, looks like an altered sandstone.  |                            |              |
| 80.0 102.0           | As 31.0 to 72.0, but few chert and carbonate clasts towards end of section.  |                            |              |
| 102.0 118.5          | Beach conglomerate, above grading into a green mica matrix beach conglomerate with highly stretched carbonate clasts. Minor green mica shards toward end of section. |                            |              |
|                      | 112.0-114.5, buff sandstone, few green mica shards.  |                            |              |
| 118.5 123.5          | Green-grey carbonate, possible buff clast at 121.5, conglomerate?  |                            |              |
| 123.5 128.5          | Massive buff carbonate.  |                            |              |
| 128.5 132.5          | Above grading into buff shale at 132.5.<br>Note: buff carbonate grading into buff mica shale. 123.5-132.5, top down hole.  |                            |              |
| 132.5 177.0          | Grey-green carbonate, grey carbonate and green mica, up to 10% quartz.   |                            |              |
|                      | 158.0-164.5, 3-5% fine disseminated pyrite, muddy.   | 1564 158.0 163.0           | 0.01         |
|                      | 164.5-172.0, silicified, 20-30% quartz breccia in low pink-brownish syenitized rock with 3-5% pyrite. (No. 14 zone)  | 1565 163.0 166.0           | 0.01         |
|                      |  | 1566 166.0 169.0           | 0.002        |
|                      |  | 1567 169.0 172.0           | 0.002        |
|                      | 172.0-177.0, grey carbonate and buff shaly material, less than 10% quartz, minor pyrite.   | 1568 172.0 177.0           | 0.002        |
| 177.0 207.0          | Grey carbonate, minor quartz.  |                            |              |
| 207.0 271.0          | Ultramafic conglomerate in a white carbonate-rich matrix.  |                            |              |
| 271.0 276.0          | Green mica shale, weakly brecciated, up to 10% quartz.   |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-56  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 1590             | 478.0 481.0 | 0.002        |
|                      |  | 1591             | 481.0 484.0 | 0.002        |
| 484.0 494.0          | Dull grey green carbonate changing into buff at 489.0.   |                  |             |              |
| 494.0 507.0          | Shaly mudstone, locally cherty with 1-2% pyrite.   |                  |             |              |
|                      |  | 1592             | 494.0 497.0 | 0.002        |
|                      |  | 1593             | 497.0 500.0 | 0.002        |
|                      |  | 1594             | 500.0 507.0 | 0.005        |
| 507.0 516.5          | Dull grey green carbonate.   |                  |             |              |
| 516.5 535.0          | Buff carbonate, mica shale-rich, 20-30% grey carbonate irregular veinlets predominantly at 45° to core axis.                             |                  |             |              |
| 535.0 547.0          | Pyritized mudstone, cherty, up to 10% pyrite locally. Graphitic shale at 545.0.  |                  |             |              |
|                      |  | 1595             | 535.0 538.0 | 0.005        |
|                      |  | 1596             | 538.0 541.0 | NIL          |
|                      |  | 1597             | 541.0 544.0 | 0.002        |
|                      |  | 1598             | 544.0 547.0 | 0.002        |
| 547.0 555.0          | Dull green carbonate.  |                  |             |              |
| 555.0 567.0          | Green carbonate with peculiar texture.   |                  |             |              |
| 567.0 586.0          | Dull green carbonate, 20% grey carbonate, mica shale rich.   |                  |             |              |
| 586.0 596.0          | Buff carbonate, mica shale rich, 10% grey carbonate. Last foot has texture like from 555.0 to 567.0. Looks like graded bedding at 596.0. |                  |             |              |
| 596.0 621.0          | Dull green carbonate, mica shale rich, 30-50% grey carbonate, 10-20% white quartz, brecciated.   |                  |             |              |
|                      | At 606.0, 1.5 feet of slightly brecciated white quartz with 1% disseminated pyrite.  |                  |             |              |
| 621.0                | End of hole.   |                  |             |              |
|                      | NO AVERAGE   |                  |             |              |
| Dec. 19, 1983.       |  |                  |             |              |
|                      | Good basal sedimentary section in this hole.   |                  |             |              |

DIAMOND DRILL LOG

|  |   |                    |
|--|---|--------------------|
| Company: Lenora Exploration Limited                  | Date Started: Sept. 27/83                     | Hole No. OM 83-57  |
| Location: Omega Group                                | Date Finished: Sept. 29/83                    | Page No. 1         |
| Level: Surface                                       | Logged by: Glenn Kasner                       | Core Size: BQ      |
| Bearing: 329°  | Signed: <u>G. J. Hure</u>                     |                    |
| Inclination: <del>46°</del> 48°                      | Core Saved or Discarded: Stored at Omega Mine |                    |
| Total Depth: 345.0'                                  | Casing Pulled: (X) or Left: ( )               | Acid Tests:        |
| Location of Collar: 400E, 200N                       | Project: 1022                                 | At: Collar -48°    |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   | At: No test taken. |

| Footage<br>From - To | Geological & Physical Description  | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|--|----------------------------|--------------|
| 0.0 47.0             | Casing   |                            |              |
| 47.0 229.0           | Diorite, medium grained, medium grey-green, 60-70% feldspar in a chlorite-hornblende matrix, massive.  |                            |              |
|                      | 90.5-92.0, red altered with low local red alteration thereafter.   |                            |              |
|                      | 127.5-129.0, highly chloritized, broken up, sheared 45° to core axis, fault.   |                            |              |
|                      | 176.0-187.0, tectonic breccia, well-rounded fragments up to 2 cm in a recemented chloritic matrix, fault.  |                            |              |
|                      | 187.0, weakly sheared diorite, 30° to core axis.   |                            |              |
|                      | 215.0-223.0, moderately broken up, 10-20% quartz veining, some rusty slips. Section 187.0 to 229.0 outside contact of diorite or could be a recrystallized sediment? |                            |              |
| 229.0 257.0          | Micro-conglomerate to sandstone, looks like a partially digested conglomerate, recrystallized.   |                            |              |
| 257.0 300.0          | Looks like a recrystallized carbonate sandstone. Well laminated at 60° to core axis.   |                            |              |
|                      | Last 20.0 feet, looks more like a sandstone.   |                            |              |
|                      | 297.0-298.5, rusty slip parallel to core.  |                            |              |
| 300.0 324.5          | Tuff, green tuff with 10-20% brownish feldspar and quartz along laminae, up to ½ inch wide.  |                            |              |
| 324.5 335.0          | Lamprophyre, sharp upper and lower contact.  |                            |              |
| 335.0 345.0          | Tuff as above, but no laminae, bedded at 70° to core axis.   |                            |              |
| 345.0                | End of hole.   |                            |              |
|                      | NO SAMPLE TAKEN.   |                            |              |

Dec. 19, 1983.

DIAMOND DRILL LOG

|  |   |                   |
|--|---|-------------------|
| Company: Lenora Exploration Limited                  | Date Started: Sept. 29, 1983                  | Hole No. OM 83-58 |
| Location: Omega Group                                | Date Finished: Oct. 3, 1983                   | Page No. 1        |
| Level: Surface                                       | Logged by: Glenn Kasner                       | Core Size: BQ     |
| Bearing: 329°  | Signed: <i>G. J. Huse</i>                     |                   |
| Inclination: -71°                                    | Core Saved or Discarded: Stored at Omega Mine |                   |
| Total Depth: 605.0'                                  | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Location of Collar: 1300E, 700N                      | Project: 1022                                 | At: Collar -71°   |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   | At: 597 -63°      |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 22.0             | Casing  |                            |              |
| 22.0 142.0           | Ultramafic, less than 10% white carbonate, could be a conglomerate?<br>100.0, increases in white carbonate to 20-30%.<br>Last five feet, increase in carbonate content. |                            |              |
| 142.0 191.0          | Buff carbonate, sharp contact with above, 5-10% white quartz.<br>163.0, 4 inches albite dike, 45° to core axis.   |                            |              |
| 191.0 214.0          | Dull green carbonate, changing at 214.0 into an ultramafic.   |                            |              |
| 214.0 266.0          | Grey ultramafic carbonate, brecciated, containing short sections of massive buff carbonate.   |                            |              |
| 266.0 323.0          | Highly cherty grey mudstone, 3-5% pyrite to graphite shale with minor carbonate.  |                            |              |
|                      |   | 1201 266.0 268.0           | 0.02         |
|                      |   | 1202 268.0 271.0           | 0.002        |
|                      |   | 1203 271.0 274.0           | 0.002        |
|                      |   | 1204 274.0 277.0           | NIL          |
|                      | Highly cherty brecciated grey mudstone, 30% pyrite.   |                            |              |
|                      |   | 1205 277.0 280.0           | 0.005        |
|                      | Grey homogeneous mudstone, locally contorted.   |                            |              |
|                      |   | 1206 280.0 283.0           | 0.005        |
|                      | Grey homogeneous mudstone, very contorted.  |                            |              |
|                      |   | 1207 283.0 286.0           | 0.002        |
|                      | Grey homogeneous mudstone, very contorted.  |                            |              |
|                      |   | 1208 286.0 289.0           | 0.005        |
|                      | Grey homogeneous mudstone, becoming very graphitic.   |                            |              |
|                      |   | 1209 289.0 292.0           | 0.002        |
|                      | Last 10' of section (20%).  |                            |              |
|                      | Graphitic shale, somewhat contorted, 15% pyrite.  |                            |              |
|                      |   | 1210 292.0 294.5           | 0.005        |
|                      |   | 1211 294.5 297.0           | 0.005        |
|                      | Grey green brecciated mudstone with 15% pyrite.   |                            |              |
|                      |   | 1212 297.0 300.0           | 0.01         |
|                      | 10% Chert fragments.  |                            |              |
|                      |   | 1213 300.0 303.0           | 0.005        |
|                      | Grey homogeneous mudstone with 5% pyrite.   |                            |              |
|                      |   | 1214 303.0 306.0           | 0.005        |
|                      | Grey green mudstone 3% pyrite.  |                            |              |
|                      |   | 1215 306.0 309.0           | 0.01         |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-58  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 1216             | 309.0 312.0 | 0.002        |
|                      | Grey green mudstone 10% pyrite, hematized last foot.   | 1217             | 312.0 314.5 | 0.005        |
|                      | Green grey carbonate containing sections of grey mudstone, bedding at 50% to core axis. Locally brecciated, locally contorted. | 1218             | 314.5 319.5 | 0.005        |
|                      |  | 1219             | 319.5 324.5 | 0.005        |
| 323.0 340.0          | Grey-buff mica shale grading into a grey well laminated chert.   |                  |             |              |
|                      | 338.5-340.0, white quartz and talcy fragments.   |                  |             |              |
| 340.0 357.5          | Grey carbonate ultramafic.   |                  |             |              |
| 357.5 361.5          | Buff carbonate.  |                  |             |              |
| 361.5 403.5          | Buff and grey carbonate, cherty, locally with 10% pyrite.<br>Less than 1% pyrite.<br>Locally 2% pyrite - medium chert.         | 1220             | 361.2 364.0 | 0.002        |
|                      |  | 1221             | 364.0 369.0 | 0.005        |
|                      |  | 1222             | 369.0 374.0 | 0.002        |
|                      |  | 1223             | 374.0 379.0 | NIL          |
|                      |  | 1224             | 379.0 384.0 | 0.002        |
|                      |  | 1225             | 384.0 389.0 | 0.002        |
|                      |  | 1226             | 389.0 392.0 | 0.015        |
|                      | Pyrite 3%.   | 1227             | 392.0 395.0 | 0.01         |
|                      |  | 1228             | 395.0 398.0 | 0.04         |
|                      | Grey mudstone becoming hematized and brecciated up to 15% pyrite last 1-3' brecciated and graphitic.                           | 1229             | 398.0 400.0 | 0.02         |
|                      |  | 1230             | 400.0 402.0 | 0.08         |
|                      |  | 1231             | 402.0 403.3 | 0.05         |
|                      | 402.0-403.0, graphitic.  |                  |             |              |
| 403.5 417.5          | Dull green carbonate.  | 1232             | 403.3 405.5 | 0.01         |
| 417.5 431.0          | Buff carbonate, 50-60% grey carbonate.   |                  |             |              |
| 431.0 443.0          | Dull green carbonate.  |                  |             |              |
| 443.0 484.0          | Buff carbonate, 20-30% grey carbonate.   |                  |             |              |
| 484.0 507.0          | Grey ultramafic carbonate.   |                  |             |              |
| 507.0 576.0          | Ultramafic, 30-60% white carbonate, 10-20% white quartz.   |                  |             |              |
| 576.0 605.0          | Grey ultramafic carbonate.   |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-58  
Page No. 3

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| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

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592.0-605.0, section contains many deformed chert fragments and undeformed grey chert grading into a buff carbonate containing chert fragments. Much similar to section from 266.0 to 323.0.

605.0      End of hole.

AVERAGE:

400.0 to 403.3, 0.068 over 3.3 feet.

Dec. 19, 1983.

DIAMOND DRILL LOG

|  |  |                   |
|--|--|-------------------|
| Company: Lenora Exploration Limited                  | Date Started: Oct. 2/83                            | Hole No. OM 83-59 |
| Location: Omega Group                                | Date Finished: Oct. 6/83                           | Page No. 1        |
| Level: Surface                                       | Logged by: <del>Glenn Warner</del> <i>G. HINSE</i> | Core Size: BQ     |
| Bearing: 329°  | Signed: <i>G. HINSE</i>                            |                   |
| Inclination: -45° 46'                                | Core Saved or Discarded: Stored at Omega Mine      |                   |
| Total Depth: 577.0'                                  | Casing Pulled: (X) or Left: ( )                    | Acid Tests:       |
| Location of Collar: 1200E, BL                        | Project: 1022                                      | At: Collar -46°   |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |  | At: 437' -43°     |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 62.0             | Casing  |                            |              |
| 62.0 74.0            | Conglomerate, 10-20% feldspatic white well-rounded clasts up to 3 cm in a green volcanic matrix.  |                            |              |
| 74.0 104.0           | Ultramafic conglomerate, sharp contact with above, as above in a talcy matrix.  |                            |              |
| 104.0 112.0          | Lamprophyre - biotite carbonate, white, sharp upper and lower contact at 60 and 80° to core axis.   |                            |              |
| 112.0 153.0          | As 74.0 to 104.0, contains narrow sections of sandstone with mud shards. In sandstone, good top down hole at 146.0.   |                            |              |
| 153.0 164.0          | Lamprophyre, biotite, carbonate, massive, locally 10% pyrite.   |                            |              |
| 164.0 182.0          | Ultramafic conglomerate, moderately sheared, clasts are highly stretched, largest 1 cm across.  |                            |              |
| 182.0 186.0          | Lamprophyre.  |                            |              |
| 186.0 197.0          | Ultramafic conglomerate as 164.0 to 182.0, no feldspathic clasts as above, mainly green highly stretched clasts in a 40% white carbonate-rich matrix.   |                            |              |
| 197.0 204.0          | Green and buff beach conglomerate and mudstone. Few stretched buff carbonate clasts. Top at 199.0 down hole.  |                            |              |
| 204.0 221.5          | Buff carbonate, 10-20% grey carbonate and white quartz, mica shale-rich.  |                            |              |
|                      | 211.0-216.5, cherty with one percent pyrite.  |                            |              |
|                      |   | 1233 211.0 215.0           | 0.005        |
|                      |   | 1234 215.0 218.0           | 0.005        |
|                      |   | 1235 218.0 221.5           | 0.01         |
| 221.5 224.0          | Duff green carbonate.   | 1874 238.0 241.7           | 0.02         |
|                      |   | 1875 241.7 245.5           | 0.05         |
|                      |   | 1878 245.5 250.5           | 0.005        |
| 224.0 241.7          | Grey sandy and silty laminae alternating with dark argillaceous laminae, weakly contorted to well laminated. 1-2% pyrite locally. Good top at 234.0 up hole. Some of the sandy layers could be cross-laminated. |                            |              |
| 241.7 275.0          | Dull green carbonate, 30% quartz, almost brilliant, 3-5% pyrite, locally grading to more massive dull green carbonate, brecciated locally, cherty.  |                            |              |
| 275.0 277.0          | Buff carbonate, mica shale-rich.  |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-59  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To               | Au<br>oz/ton |
|----------------------|--|------------------|-------------------------|--------------|
| 277.0 294.0          | Green carbonate breccia over 4 feet grading into at 283.0 grey ultramafic carbonate, 30-50% white quartz.  |                  |                         |              |
| 294.0 433.0          | Ultramafic, 20% white carbonate.<br><br>At 350.0, black fragments in less than 10% interstitial white carbonate, looks conglomeratic.                        |                  |                         |              |
| 433.0 438.0          | Grey green ultramafic carbonate with 10-20% quartz.  |                  |                         |              |
| 438.0 449.0          | Ultramafic, 30-40% white carbonate and quartz.   |                  |                         |              |
| 449.0 465.0          | Grey to dark shale and buff carbonate, alternating laminae.<br><br>441.0-453.0, several rusty slips, broken, brecciated, fault.                              | 1236<br>1237     | 449.0<br>451.0<br>455.0 | NIL<br>0.005 |
| 465.0 472.5          | Dull green carbonate.  |                  |                         |              |
| 472.5 474.5          | Buff carbonate.  |                  |                         |              |
| 474.5 523.0          | Beach conglomerate and sandstone, varying from volcanic-rich to green mica rich.<br><br>509.0, 4 inches rusty, pitted.                                       |                  |                         |              |
| 523.0 563.0          | Ultramafic conglomerate, few chert, feldspar up to 20 cm, average 3 cm, many ultramafic and derivatives in an ultramafic matrix, sandy locally, matrix poor. |                  |                         |              |
| 563.0 573.0          | Grading into a beach conglomerate, green mica-rich matrix.   |                  |                         |              |
| 573.0 577.0          | Buff carbonate.  |                  |                         |              |
| 577.0                | End of hole.   |                  |                         |              |
|                      | NO AVERAGE   |                  |                         |              |

Dec. 19, 1983.



DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-60                             |
| Location: Omega Group                                | Date Started: Nov. 08/83                      |
| Level: Surface                                       | Date Finished: Nov. 10/83                     |
| Bearing: New Grid North                              | Logged by: Guy Hinse                          |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 79.0 feet                               | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 0+47W, 0+58N?                    | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: 79' -43°                                  |

Page No. 1  
 Core Size: BQ.  
 Signed: G. J. Hinse  
 Acid Tests:  
 At: 79' -43°  
 At:

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

|           |  |                |       |
|-----------|--|----------------|-------|
| 0.0 31.0  | Casing   |                |       |
| 31.0 49.0 | Green carbonate, dull, laminated to weakly brecciated at 70° to core axis, 10 to 30% white quartz veining, barren.   |                |       |
| 49.0 79.0 | Ore zone, up to 10-20% fine disseminated pyrite and minor arsenopyrite in a highly cherty, mudstone, low grey. Brecciated. Locally speckled with fine feldspar. Contains one narrow tuff unit at 68.0 to 69.5. |                |       |
|           | Brecciated, 80% quartz, barren   | 1252 49.0 52.0 | 0.005 |
|           | Siliceous green carbonate, highly brecciated, 80% quartz, barren.  | 1253 52.0 54.0 | 0.01  |
|           | Grey cherty mudstone, siliceous, 80% quartz, up to 15% pyrite.   | 1254 54.0 57.0 | 0.20  |
|           |  | 1255 57.0 60.0 | 0.08  |
|           |  | 1256 60.0 63.0 | 0.06  |
|           |  | 1257 63.0 66.0 | 0.06  |
|           |  | 1258 66.0 70.0 | 0.04  |
|           |  | 1259 70.0 73.0 | 0.245 |
|           |  | 1260 73.0 76.0 | 0.05  |
|           |  | 1261 76.0 79.0 | 0.30  |

*Handwritten:*  
 54.0 - 79.0 .126  
 25.0  
 70.0 - 79.0 .198  
 9.0

Broke into stope at 79.0, footwall of stope at 82.3 feet.

79.0 End of hole.

66.0 feet east of center line of No. 2 shaft.  
 Location as per west pillar grid.

AVERAGE:

54.0 to 79.0, 0.126 over 25.0 feet.

Dec. 19, 1983.

DIAMOND DRILL LOG

|  |   |                   |
|--|---|-------------------|
| Company: Lenora Exploration Limited                  | Date Started: Nov. 10/83                      | Hole No. OM 83-61 |
| Location: Omega Group                                | Date Finished: Nov. 12/83                     | Page No. 1        |
| Level: Surface                                       | Logged by: Guy Hinse                          | Core Size: BQ     |
| Bearing: New Grid North                              | Signed: <u>G. J. Hinse</u>                    |                   |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |                   |
| Total Depth: 132.0 feet                              | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Location of Collar: 0+95W, 0+65S                     | Project: 1022                                 | At: 130' -41°     |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   | At:               |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 29.5             | Casing  |                            |              |
| 29.5 46.0            | Dull green carbonate, laminated to weakly brecciated, 80° to core axis. 10-20% white quartz veining, barren.                                | 1299 43.0 46.0             |              |
| 46.0 60.0            | Ore zone, highly cherty grey mudstone, 10-40% white quartz veining, 10-20% very fine disseminated pyrite and arsenopyrite. Up to 15% pyrite | 1279 46.0 49.0 0.01        |              |
|                      | <i>49.0-60.2<br/>11.2 0.091</i>   | 1280 49.0 52.0 0.055 3.0'  |              |
|                      | <i>52.0-60.2<br/>8.2 0.105</i>  | 1281 52.0 55.0 0.10 3.0'   |              |
|                      |   | 1282 55.0 58.0 0.08 3.0'   |              |
|                      |   | 1283 58.0 60.2 0.145 2.2'  |              |
| 60.0 65.0            | Tuffaceous, grey to green, barren, speckled with fine feldspar.   | 1284 60.2 65.2 0.002       |              |
| 65.0 89.5            | Ore zone as above, intermixed with tuffaceous units, 70° to core axis.  | 1285 65.2 67.2 0.12        |              |
|                      |   | 1286 67.2 70.7 0.04        |              |
|                      |   | 1287 70.7 73.8 0.002       |              |
|                      |   | 1288 73.8 77.0 0.25        |              |
|                      |   | 1289 77.0 80.0 0.05        |              |
|                      |   | 1290 80.0 83.5 0.20        |              |
|                      |   | 1291 83.5 86.5 0.17        |              |
|                      |   | 1292 86.5 89.5 0.21        |              |
|                      |   | 1293 89.5 94.5 0.01        |              |
|                      |   | 1294 94.5 97.2 0.002       |              |
| 89.5 97.0            | Buff carbonate, highly siliceous.   |                            |              |
| 97.0 107.0           | Graphitic selrist almost completely hematized, 60-80° to core axis, traces of pyrite in nodules.  |                            |              |
| 107.0 132.0          | Grey carbonated black shale, well laminated at 60° to core axis, barren.<br>113.0 top down hole by grain gradation.                         |                            |              |
| 132.0                | End of hole.  |                            |              |

AVERAGES:

49.0 to 60.2, 0.091 over 11.2 feet.

52.0 to 60.2, 0.11<sup>105</sup> over 8.2 feet.

Hole drilled 20 feet east of center line of No. 2 shaft.

Dec. 19, 1983.

II-11...25

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-62                             |
| Location: Omega Group                                | Date Started: Nov. 12/83                      |
| Level: Surface                                       | Date Finished: Nov. 14/83                     |
| Bearing: New Grid North                              | Logged by: Guy Hinse                          |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 141.0'                                  | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 1+50W, 0+69S                     | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: NO TEST TAKEN                             |

Page No. 1  
Core Size: BQ  
Signed: G. J. Hinse

| Footage From - To | Geological & Physical Description   | Sample Number | From - To   | Au oz/ton  |
|-------------------|---|---------------|-------------|------------|
| 0.0 23.0          | Casing.   |               |             |            |
| 23.0 36.5         | Grey ultramafic carbonate grading into buff ultramafic carbonate at 33.0, grading into green carbonate at 33.5.                                       | 1295          | 33.5 36.5   | 0.002      |
| 36.5 42.5         | Highly cherty mudstone, 5-10% pyrite, brecciated with 10-15% quartz matrix.   | 1296          | 36.5 39.5   | 0.07       |
|                   |   | 1297          | 39.5 42.5   | 0.08       |
| 42.5 52.0         | Tuffaceous mudstone, barren.  | 1298          | 42.5 49.0   | 0.005      |
|                   |   | 1300          | 49.0 54.0   | 0.03       |
| 52.0 76.0         | Highly cherty mudstone as before, containing narrow tuaffaceous sections. 52.0-54.0, 56.0-57.0, highly rusty and oxidized.                            | 1701          | 54.0 57.0   | 0.15 3.0'  |
|                   |   | 1702          | 57.0 60.0   | 0.10 3.0'  |
|                   |   | 1703          | 60.0 63.0   | 0.105 3.0' |
|                   |   | 1704          | 63.0 66.0   | 0.08 3.0'  |
|                   |   | 1705          | 66.0 70.0   | 0.09 4.0'  |
|                   |   | 1706          | 70.0 75.0   | 0.03 5.0'  |
|                   |   | 1707          | 75.0 76.0   | 0.275 1.0' |
|                   | 76.0-83.0, underground stope  |               |             |            |
| 83.0 93.0         | Dull buff carbonate, grading into a grey buff shale at 89.0.  | 1708          | 83.0 87.0   | 0.11 4.0'  |
|                   |   | 1709          | 87.0 93.5   | 0.005      |
| 93.0 97.5         | Graphite shale, slightly syenitized.  | 1710          | 93.5 96.5   | 0.005      |
| 97.5 119.0        | Grey carbonate, mica shale rich, containing short sections of graphite shale at 107.0, 112.0, 116.0, 117.0 and short sections of pyritized red shale. | 1711          | 96.5 99.5   | 0.002      |
|                   |   | 1712          | 99.5 103.0  | 0.002      |
|                   |   | 1713          | 103.0 106.0 | 0.002      |
|                   |   | 1714          | 106.0 108.2 | 0.002      |
|                   |   | 1715          | 108.2 113.2 | NIL        |
|                   |   | 1716          | 113.2 118.2 | 0.002      |
|                   |   | 1717          | 118.2 121.2 | 0.002      |
| 119.0 141.0       | Dull grey buff carbonate, shaly, containing short sections of pyritized mudstone, locally reddish.  |               |             |            |

54.0-63.0  
9.0' .118

75.0-87.0  
12.0' .143  
ASSUMING AVE FOR STOPE

54.0-87.0  
33.0 .097  
ASSUMING AVE FOR STOPE  
54.0-87.0  
33.0 .077  
ASSUMING AVE FOR STOPE AT 0

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-62  
Page No. 2

| Footage<br>From - To | Geological & Physical Description | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|-----------------------------------|------------------|-------------|--------------|
|                      |                                   | 1718             | 121.2 124.2 | 0.07 3.0     |
|                      |                                   | 1719             | 124.2 127.2 | 0.02 3.0     |
|                      |                                   | 1720             | 127.2 130.2 | 0.005 3.0    |
|                      |                                   | 1721             | 130.2 134.2 | 0.02 4.0     |
|                      |                                   | 1722             | 134.2 138.2 | 0.005 4.0    |
|                      |                                   | 1723             | 138.2 141.0 | 0.02 2.8     |

141.0      End of hole.

AVERAGES:  
54.0 to 87.0, 0.097 over 33.0 feet.

Dec. 19, 1983.

*No. 2 ZONE  
121.2 - 141.0  
19.8 : 022*

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-63

Location: Omega Group

Date Started: Nov. 14/83

Page No. 1

Level: Surface

Date Finished: Nov. 15/83

Core Size: BQ

Bearing: Grid North

Logged by: Guy Hinse

Signed: *G. J. Hinse*

Inclination: -45°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 140.0'

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 2+00W, 0+60S

Project: 1022

At: NO TEST TAKEN

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton     |
|----------------------|--|------------------|-------------|------------------|
| 0.0 24.0             | Casing.  |                  |             |                  |
| 24.0 32.0            | Highly cherty and pyritized mudstone, 5-20% fine disseminated pyrite, brecciated with 10-30% quartz.               | 1724             | 24.3 26.5   | 0.005            |
|                      |  | 1725             | 26.5 29.5   | 0.10             |
|                      |  | 1726             | 29.5 31.5   | 0.06             |
| 32.0 47.5            | Tuffaceous mudstone.   | 1727             | 31.5 36.5   | 0.06             |
|                      |  | 1728             | 36.5 41.5   | 0.002            |
|                      |  | 1729             | 41.5 47.8   | 0.015            |
| 47.5 50.5            | Mineralized mudstone.  | 1730             | 47.8 50.8   | 0.14 <u>3.0</u>  |
| 50.5 53.0            | Tuff.  | 1731             | 50.8 53.8   | 0.06 3.0         |
| 53.0 54.5            | Mineralized mudstone.  | 1732             | 53.8 56.8   | 0.04 3.0         |
| 54.5 74.0            | Tuff, tholeiitic, few short sections of mineralized mudstone.  | 1733             | 56.8 59.1   | 0.185 <u>2.3</u> |
| 74.0 80.0            | Buff mica shale, less than 10% grey carbonate.   | 1734             | 74.0 77.0   | 0.14             |
|                      |  | 1735             | 77.0 80.4   | 0.002            |
| 80.0 84.5            | Graphite shale.  | 1736             | 80.4 85.4   | 0.02             |
| 84.5 116.0           | Alternating sections of mica shale and dull grey buff carbonate and short mineralized mudstone with 10-15% pyrite. | 1737             | 85.4 88.4   | 0.002            |
|                      |  | 1738             | 88.4 91.4   | 0.005            |
|                      |  | 1739             | 91.4 94.4   | 0.02 3.0         |
|                      |  | 1740             | 94.4 97.4   | 0.02 3.0         |
|                      |  | 1741             | 97.4 100.4  | 0.08 3.0         |
|                      |  | 1742             | 100.4 103.4 | 0.07 3.0         |
|                      |  | 1743             | 103.4 106.4 | 0.02 3.0         |
|                      |  | 1744             | 106.4 109.4 | 0.085 3.0        |
|                      |  | 1745             | 109.4 112.4 | 0.06 3.0         |
|                      |  | 1746             | 112.4 115.4 | 0.005 3.0        |
| 116.0 130.0          | Pyritized mudstone, low chert, well laminated.   | 1747             | 115.4 118.4 | 0.04 3.0         |
|                      |  | 1748             | 118.4 121.4 | 0.02 3.0         |
|                      |  | 1749             | 121.4 124.4 | 0.155 3.0        |

*47.8 - 59.1  
11.3 .101*

*91.4 - 129.9  
38.5 .052*

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-63  
Page No. 2

| Footage<br>From - To | Geological & Physical Description | Sample<br>Number | From - To   | Au<br>oz/ton    |
|----------------------|-----------------------------------|------------------|-------------|-----------------|
|                      |                                   | 1750             | 124.4 127.4 | 0.06 3.0        |
|                      |                                   | 1751             | 127.4 129.9 | 0.04 <u>2.5</u> |

130.0 133.5 Black shale, probably graphitic grading into following.

1752 129.9 134.9 0.002

133.5 137.5 Dull grey buff carbonate.

137.5 140.0 Massive to finely laminated grey carbonate mudstone, few specks of pyrite.

140.0 End of hole.

AVERAGES:

47.8 to 59.1, 0.101 over 11.3 feet.

Dec. 20/83.

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-64                             |
| Location: Omega Group                                | Date Started: Nov. 15/83                      |
| Level: Surface                                       | Date Finished: Nov. 16/83                     |
| Bearing: Grid North                                  | Logged by: Guy Hinse                          |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 193.0'                                  | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 250W 0575                        | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: 180' -44°                                 |

Page No. 1  
Core Size: BQ  
Signed: G. J. Hinse

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 24.0             | Casing.   |                  |             |              |
| 24.0 29.0            | Highly cherty mudstone, 5-15% pyrite, brecciated with 10-20% quartz.  | 1754             | 24.0 29.0   | 0.07         |
| 29.0 72.0            | Tholeiitic tuff, 70-80° to core axis.   |                  |             |              |
| 72.0 74.0            | Grey-buff mica shale, first foot cherty mudstone with 10% pyrite.   | 1755             | 72.0 77.0   | 0.02         |
| 74.0 83.0            | Graphite shale, low reddish grey, well laminated at 45° to core axis.   | 1756             | 77.0 82.6   | 0.002        |
| 83.0 87.0            | Buff-grey mica shale.   | 1757             | 82.6 85.6   | 0.002        |
| 87.0 91.0            | Graphite shale.   | 1758             | 85.6 88.6   | 0.005        |
|                      |   | 1759             | 88.6 91.6   | 0.002        |
| 91.0 131.0           | Tuff, green, tholeiitic, 50° to core axis, increase in chert and pyrite in last 10.0 feet.  | 1760             | 120.3 123.3 | 0.04         |
|                      |   | 1761             | 123.3 127.2 | NIL          |
|                      |   | 1762             | 127.2 131.5 | NIL          |
| 131.0 159.0          | Mudstone, weakly cherty, local hematization, 3-5% pyrite (No.2 zone).<br>141.0-144.0, highly cherty, reddish, brecciated with 10% quartz, 5-10% pyrite. | 1763             | 131.5 134.5 | 0.005        |
|                      |   | 1764             | 134.5 137.5 | 0.05 3.0     |
|                      |   | 1765             | 137.5 140.5 | 0.015 3.0    |
|                      |   | 1766             | 140.5 144.5 | 0.075 4.0    |
|                      |   | 1767             | 144.5 147.5 | 0.005 3.0    |
|                      |   | 1768             | 147.5 150.5 | 0.005 3.0    |
|                      |   | 1769             | 150.5 153.5 | 0.08 3.0     |
|                      |   | 1770             | 153.5 156.5 | 0.03 3.0     |
|                      |   | 1771             | 156.5 159.0 | 0.06 2.5     |
| 159.0 162.0          | Buff carbonate, mica shale-rich, minor grey carbonate.  |                  |             |              |
| 162.0 193.0          | Green tuff containing locally short sections of mudstone and carbonate material.  |                  |             |              |
| 193.0                | End of hole.  |                  |             |              |

134.5-159.0  
24.5 0.041

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-65

Location: Omega Group

Date Started: Nov. 16/83

Page No. 1

Level: Surface

Date Finished: Nov. 18/83

Core Size: BQ

Bearing: Grid North

Logged by: Guy Hinse

Signed: G. J. Hinse

Inclination: -45°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 130.0'

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 0+25E, 0+60S

Project: 1022

At: 130' -44°

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At:

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 45.0             | Casing   |                  |             |              |
| 45.0 51.0            | Ultramafic, less than 10% white carbonate.   |                  |             |              |
| 51.0 54.0            | Above grading into a buff carbonate at 54.0.   |                  |             |              |
| 54.0 62.5            | Buff carbonate.  | 1772             | 55.5 58.5   | 0.002        |
|                      |  | 1773             | 58.5 61.5   | 0.02         |
| 62.5 90.5            | Highly cherty mudstone, 5-10% pyrite, brecciated with 10% quartz. Locally low to medium hematization.                  | 1774             | 61.5 64.5   | 0.01         |
|                      |  | 1775             | 64.5 67.5   | 0.03         |
|                      |  | 1776             | 67.5 70.5   | 0.12 3.0     |
|                      |  | 1777             | 70.5 73.5   | 0.185 3.0    |
|                      |  | 1778             | 73.5 76.5   | 0.14 3.0     |
|                      |  | 1779             | 76.5 79.5   | 0.09 3.0     |
|                      |  | 1780             | 79.5 84.5   | 0.06 5.0     |
|                      |  | 1781             | 84.5 87.5   | 0.265 3.0    |
|                      |  | 1782             | 87.5 90.2   | 0.07         |
| 90.5 101.0           | Buff grey mica shale.  | 1783             | 90.2 92.2   | 0.06         |
|                      |  | 1784             | 92.2 95.2   | 0.002        |
|                      |  | 1814             | 95.2 100.6  | NIL          |
| 101.0 118.1          | Highly hematized altered mudstone with 5-10% pyrite, low chert content. 113.5-117.1, highly cherty with little pyrite. | 1785             | 100.6 103.6 | 0.10 3.0     |
|                      |  | 1786             | 103.6 106.6 | 0.09 3.0     |
|                      |  | 1787             | 106.6 109.6 | 0.09 3.0     |
|                      |  | 1788             | 109.6 112.6 | 0.09 3.0     |
|                      |  | 1789             | 112.6 115.1 | 0.03         |
|                      |  | 1790             | 115.1 118.1 | 0.002        |
| 118.1 130.0          | Graphite shale   |                  |             |              |
| 130.0                | End of hole.   |                  |             |              |
|                      | AVERAGES: 67.5 to 87.5, 0.135 over 20.0 feet.  |                  |             |              |
|                      | 67.5 to 76.5, 0.148 over 9.0 feet.   |                  |             |              |
|                      | 100.6 to 112.6, 0.093 over 12.0 feet.  |                  |             |              |

67.5-87.5  
20.0' .135

67.5-76.5  
9.0' .148

100.6-112.6  
12.0' .093

Dec. 20/83.

II-11...36

0+55W 12+25N



DIAMOND DRILL LOG

|   |   |                   |
|---|---|-------------------|
| Company: Lenora Exploration Limited                       | Date Started: Nov. 18/83                      | Hole No. OM 83-66 |
| Location: Omega Group                                     | Date Finished: Nov. 19/83                     | Page No. 1        |
| Level: Surface  | Logged by: Guy Hinse                          | Core Size: BQ     |
| Bearing: Grid North                                       | Signed: <u>G. J. Hinse</u>                    |                   |
| Inclination: -45°   | Core Saved or Discarded: Stored at Omega Mine |                   |
| Total Depth: 91.0'  | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Location of Collar: 3+60E, 0+75S, East Pil. Project: 1022 |   | At: NO TEST TAKEN |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario      |   | At:               |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|---|------------------|-----------|--------------|
| 0.0 45.0             | Casing.   |                  |           |              |
| 45.0 65.0            | Ultramafic, 10-10% white carbonate.   |                  |           |              |
| 65.0 79.0            | Above grading into a buff carbonate.  |                  |           |              |
| 79.0 81.0            | Highly cherty mudstone, 5-10% pyrite, brecciated with 10-20% quartz.                              | 1791             | 79.0 81.0 | 0.06         |
| 81.0 83.5            | Tuff.   |                  |           |              |
| 83.5 91.0            | Highly cherty mudstone as above grading into medium hematized mudstone with 5-15% pyrite at 88.0. | 1792             | 81.0 83.5 | 0.002        |
|                      |   | 1793             | 83.5 86.5 | 0.04         |
|                      |   | 1794             | 86.5 89.5 | 0.457 3.0'   |
|                      |   | 1795             | 89.5 91.0 | 0.14 1.5'    |
|                      | Broke into stope at 91.0.   |                  |           |              |
| 91.0                 | End of hole.  |                  |           |              |
|                      | AVERAGES: 86.5 to 91.0, 0.351 over 4.5 feet.  |                  |           |              |

Dec. 20/83.

86.5 - 91.0  
4.5' = 351

2+80E 12+70N  
360' E of No. 1 shaft

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-67

Location: Omega Group

Date Started: Nov. 19/83

Page No. 1

Level: Surface

Date Finished: Nov. 21/83

Core Size: BQ

Bearing: Grid North

Logged by: Guy Hinse

Signed: G. J. Hinse

Inclination: -45°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 112.0'

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 3+60E, 0+56S

Project: 1022

At: NO TEST TAKEN

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To | Au<br>oz/ton |
|----------------------|---|------------------|-----------|--------------|
| 0.0 43.0             | Casing.   |                  |           |              |
| 43.0 44.0            | Ultramafic, 30% white carbonate.  |                  |           |              |
| 44.0 56.0            | Buff carbonate, 30-40% grey carbonate in laminae.   |                  |           |              |
| 56.0 64.5            | Tuff.   |                  |           |              |
| 64.5 85.0            | Highly cherty mudstone, 5-10% pyrite, brecciated with 20-40% quartz.<br>74.0-85.0, low to high red hematite alteration, almost no chert, 3-5% pyrite. | 1796             | 63.5 66.5 | 0.14 3.0     |
|                      |   | 1797             | 66.5 69.5 | 0.295 3.0    |
|                      |   | 1798             | 69.5 71.8 | 0.31 2.3     |
|                      |   | 1799             | 71.8 73.8 | 0.02 2.0     |
|                      |   | 1800             | 73.8 76.8 | 0.11 3.0     |
|                      |   | 1801             | 76.8 79.8 | 0.18 3.0     |
|                      |   | 1802             | 79.8 82.8 | 0.08         |
|                      |   | 1803             | 82.8 84.8 | 0.08         |
| 85.0 112.0           | Graphite shale.   |                  |           |              |
| 112.0                | End of hole.  |                  |           |              |

63.5 - 71.8  
8.3      243

63.5 - 79.8  
16.3      180

AVERAGES: 63.5 to 79.5, 0.180 over 16.3 feet.

Dec. 20/83.

2+80E 12+89N

DIAMOND DRILL LOG

|  |   |                   |
|--|---|-------------------|
| Company: Lenora Exploration Limited                  | Date Started: Nov. 21/83                      | Hole No. OM 83-68 |
| Location: Omega Group                                | Date Finished: Nov. 24/83                     | Page No. 1        |
| Level: Surface                                       | Logged by: Guy Hinse                          | Core Size: BQ     |
| Bearing: Grid North                                  | Signed: <u>G. J. Hinse</u>                    |                   |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |                   |
| Total Depth: 240.0'                                  | Casing Pulled: (X) or Left: ( )               | Acid Tests:       |
| Location of Collar: 5+65X, 0+60S                     | Project: 1022                                 | At: 217 -43°      |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   | At:               |

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 37.0             | Casing  |                  |             |              |
| 37.0 60.0            | Graphite shale.   |                  |             |              |
| 60.0 95.5            | Grey ultramafic carbonate, locally buff or green.                                       |                  |             |              |
| 95.5 107.5           | Buff carbonate, mica shale-rich.  |                  |             |              |
|                      |   | 1804             | 95.5 98.5   | 0.002        |
|                      |   | 1805             | 98.5 101.5  | 0.002        |
|                      |   | 1806             | 101.5 104.5 | NIL          |
|                      | Highly cherty, brecciated   | 1807             | 104.5 107.5 | NIL          |
| 107.5 111.0          | Highly cherty mudstone, weak hematization, traces of pyrite.                            |                  |             |              |
|                      |   | 1808             | 107.5 111.5 | 0.005        |
| 111.0 142.0          | Graphite shale, low hematization.<br>117.0-122.0, few short sections of 50% graphite.   |                  |             |              |
|                      |   | 1809             | 111.5 116.5 | 0.002        |
|                      |   | 1810             | 116.5 119.5 | 0.002        |
|                      |   | 1811             | 119.5 124.0 | 0.002        |
|                      | Cherty, up to 50% pyrite.   | 1812             | 124.0 127.0 | 0.015        |
| 142.0 165.5          | Above grading into a grey mica shale with 10-20% graphite shale material, locally buff. |                  |             |              |
| 165.5 167.0          | Tuff.   |                  |             |              |
|                      |   | 1824             | 163.3 166.5 | 0.002        |
| 167.0 217.5          | Medium cherty mudstone, 3-10% pyrite.<br>185.0 on, pyrite decreases to 1-3%, low chert. |                  |             |              |
|                      |   | 1825             | 166.5 169.5 | 0.06         |
|                      |   | 1826             | 169.5 172.5 | 0.01         |
|                      |   | 1827             | 172.5 175.5 | 0.01         |
|                      |   | 1828             | 175.5 178.5 | 0.03         |
|                      | Moderate chert, 3-5% pyrite   | 1829             | 178.5 181.5 | 0.005        |
|                      | Moderate chert, 5% pyrite   | 1820             | 181.5 184.5 | 0.005        |
|                      | Moderate chert, 10% pyrite  | 1831             | 184.5 187.5 | 0.13 3.0     |
|                      | High chert, 5% pyrite   | 1832             | 187.5 190.0 | 0.02 2.5     |
|                      | Less than 1% pyrite   | 1833             | 190.0 194.5 | 0.005 4.5    |
|                      | Mineralized   | 1834             | 194.5 197.5 | 0.02 3.0     |
|                      |   | 1835             | 197.5 200.5 | 0.04 3.0     |
|                      |   | 1836             | 200.5 203.5 | 0.04 3.0     |
|                      |   | 1837             | 203.5 206.5 | 0.205 3.0    |
|                      |   | 1838             | 206.5 210.5 | 0.005        |
|                      | Less than 1% pyrite, grey mudstone, 2.0 feet ground core.                               |                  |             |              |

184.5 - 206.5  
22.0' .063

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
Project: McVittie Township

Project No: 1022

Hole No. OM 83-68  
Page No.

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| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

---

1839 210.5 202.5 0.002

217.5 234.0 Buff green carbonate.

234.0 240.0 Ultramafic, massive, less than 10% white carbonate, grading into ultramafic.  
217.0-227.0, several rusty fractures, fault?  
AT 233.0, 1/4 inch fault gouge.

240.0 End of hole.

AVERAGES: 184.5 to 187.5, 0.13 over 3.0 feet.  
203.5 to 206.5, 0.205 over 3.0 feet.

Dec. 20/83.

4+35E 12+78N

DIAMOND DRILL LOG

|  |   |
|--|---|
| Company: Lenora Exploration Limited                  | Hole No. OM 83-69                             |
| Location: Omega Group                                | Date Started: Nov. 25/83                      |
| Level: Surface                                       | Date Finished: Nov. 27/83                     |
| Bearing: Grid North                                  | Logged by: Guy Hinse                          |
| Inclination: -45°                                    | Core Saved or Discarded: Stored at Omega Mine |
| Total Depth: 199.0'                                  | Casing Pulled: (X) or Left: ( )               |
| Location of Collar: 6+65E, 0+30N <sup>1/2</sup>      | Project: 1022                                 |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario | At: 178' -45°                                 |

Page No. 1  
 Core Size: BQ  
 Signed: G. J. Hinse  
 Acid Tests:  
 At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 43.0             | Casing  |                  |             |              |
| 43.0 62.5            | Dull grey-green carbonate, mica shale-rich, 20-30% grey carbonate.  | 1815             | 59.5 62.5   | NIL          |
| 62.5 85.0            | Graphite shale.<br>69.0-85.0, mixture of graphite shale and medium hematite alteration with some pyrite locally.              | 1816             | 62.5 67.0   | 0.005        |
|                      |   | 1817             | 67.0 71.0   | 0.005        |
|                      |   | 1818             | 71.0 74.0   | 0.005        |
|                      |   | 1819             | 74.0 77.0   | 0.002        |
|                      |   | 1820             | 77.0 80.0   | 0.002        |
|                      |   | 1821             | 80.0 83.0   | NIL          |
|                      |   | 1822             | 83.0 86.0   | NIL          |
| 85.0 89.0            | Grey shale, 1-3% pyrite.  | 1823             | 86.0 89.5   | 0.002        |
| 89.0 112.0           | Graphite shale, fairly massive, well laminated at 80° to core axis.   |                  |             |              |
| 112.0 132.5          | Grading into a grey-green carbonate.  |                  |             |              |
| 132.5 136.0          | Grey mica shale with up to 5% pyrite grading into a mudstone intermixed with graphite shale, cherty locally with some pyrite. | 1840             | 132.5 135.5 | .002         |
|                      |   | 1841             | 135.5 140.5 | .002         |
|                      |   | 1842             | 140.5 145.5 | N            |
| 136.0 181.0          | Grey carbonate mudstone, massive to delicately laminated, barren. Local concentrations of pyrite.                             | 1843             | 169.0 172.0 | .002         |
|                      |   | 1844             | 172.0 175.0 | .002         |
|                      | Moderately cherty, unmineralized  | 1845             | 175.0 178.0 | .002         |
|                      |   | 1856             | 178.0 180.0 | .002         |
| 181.0 184.0          | Grey-buff mica shale.   |                  |             |              |
| 184.0 185.0          | Green carbonate.  |                  |             |              |
| 185.0 199.0          | Ultramafic carbonate, 10-30% white carbonate.<br>184.0-188.0, several rusty slips.  |                  |             |              |
| 199.0                | End of hole.  |                  |             |              |
| Dec. 21/83.          |   |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-70

Location: Omega Group

Date Started: Nov. 27/83

Page No. 1

Level: Surface

Date Finished: Nov. 29/83

Core Size: BQ

Bearing: GRID NORTH

Logged by: Guy Hinse

Signed: G. J. Hinse

Inclination: -45°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 158.0'

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 76SE OISS

Project: 1022

At: 158' - 43°

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At:

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

|             |  |  |  |
|-------------|--|--|--|
| 0.0 68.0    | Casing   |  |  |
| 68.0 101.0  | Graphite shale.  |  |  |
| 101.0 137.0 | Grading into a grey mica shale with 0-30% of above, 60-80° to core axis. |  |  |
| 137.0 158.0 | Massive grey carbonate mudstone.   |  |  |
| 158.0       | End of hole.   |  |  |

Dec. 21/83:

NO SAMPLE TAKEN

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-71

Location: Omega Group

Date Started: Nov. 29/83

Page No. 1

Level: Surface

Date Finished: Nov. 30/83

Core Size: BQ

Bearing: GRD NORTH

Logged by: Guy Hinse

Signed: G. J. Hinse

Inclination: -45°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 170.0'

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 862E 020S

Project: 1022

At: 170' - 36°

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At:

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

|             |   |  |  |
|-------------|---|--|--|
| 0.0 51.0    | Casing.   |  |  |
| 51.0 74.0   | Grey carbonate.   |  |  |
| 74.0 90.0   | Graphite shale and grey mica shale.   |  |  |
| 90.0 96.0   | Grey carbonate.   |  |  |
| 96.0 109.0  | Graphite shale.   |  |  |
| 109.0 123.0 | Massive grey carbonate.   |  |  |
| 123.0 130.0 | Massive green-grey carbonate containing narrow intercalations of graphite shale, could be a tuff, contains some wispy feldspar. |  |  |
| 130.0 166.0 | Changing from above to grey carbonate.  |  |  |
| 166.0 170.0 | Massive grey carbonate mudstone.  |  |  |
| 170.0       | End of hole.  |  |  |

Dec. 21/83.

|      |       |       |       |
|------|-------|-------|-------|
| 1879 | 154.7 | 159.7 | 0.005 |
| 1880 | 159.7 | 164.7 | NIL   |
| 1881 | 164.7 | 170.0 | 0.005 |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-72

Location: Omega Group

Date Started: Nov. 30/83

Page No. 1

Level: Surface

Date Finished: Dec. 2/83

Core Size: BQ

Bearing: New Grid North

Logged by: Guy Hinse

Signed: G. J. Hinse

Inclination: -45°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 177.0'

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 9+75E, B.L.

Project: 1022

At: 177' - 38°

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At:

| Footage<br>From - To | Geological & Physical Description                                       | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 36.0             | Casing  |                            |              |
| 36.0 53.0            | Grey carbonate with 10-20% graphite shale material.                     |                            |              |
| 53.0 62.5            | Grey granular carbonate containing dark grey sandy material, sandstone? |                            |              |
| 62.5 81.0            | Grey mica shale grading into a buff mica shale.                         |                            |              |
| 81.0 96.5            | Grey tuffaceous carbonate.  |                            |              |
| 96.5 118.0           | Tuff.   |                            |              |
| 118.0 141.0          | Grey carbonate with 10% graphite shale.                                 |                            |              |
| 141.0 168.0          | Grey massive carbonate mudstone.  |                            |              |
| 168.0 172.0          | Tuff.   |                            |              |
| 172.0 177.0          | Ultramafic, 10-20% white carbonate.                                     |                            |              |
| 177.0                | End of hole.  |                            |              |
| Dec. 21/83.          |   |                            |              |

1882 127.0 132.0 0.055  
 1883 132.0 136.0 0.005



DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-73

Location: Omega Group

Date Started: Dec. 02/83

Page No. 1

Level: Surface

Date Finished: Dec. 03/83

Core Size: BQ

Bearing: Grid South

Logged by: Guy Hinse

Signed: G. J. Hinse

Inclination: -45°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 127.0'

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 4+25E, 1+22N

Project: 1022

At: 127' -43°

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At:

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|---|------------------|-------------|--------------|
| 0.0 61.0             | Casing.   |                  |             |              |
| 61.0 114.0           | Highly cherty mudstone, brecciated with 10-20% quartz, alternating sections of grey and medium red hematized sections. 2-3% pyrite. |                  |             |              |
|                      | Hematized, 20-25% pyrite.   | 1847             | 60.0 61.5   | 0.02         |
|                      |   | 1848             | 61.5 64.5   | 0.30 3.0     |
|                      |   | 1849             | 64.5 67.5   | 0.18 3.0     |
|                      |   | 1850             | 67.5 70.5   | 0.10 3.0     |
|                      |   | 1851             | 70.5 73.5   | 0.07 3.0     |
|                      |   | 1852             | 73.5 76.5   | 0.06 3.0     |
|                      |   | 1853             | 76.5 79.5   | 0.05 3.0     |
|                      |   | 1854             | 79.5 82.5   | 0.02 3.0     |
|                      |   | 1855             | 82.5 85.5   | 0.002 3.0    |
|                      |   | 1856             | 85.5 88.5   | 0.07 3.0     |
|                      |   | 1857             | 88.5 91.5   | 0.185 3.0    |
|                      |   | 1858             | 91.5 94.5   | 0.03 3.0     |
|                      |   | 1859             | 94.5 97.5   | 0.02 3.0     |
|                      |   | 1860             | 97.5 100.5  | 0.01 3.0     |
|                      |   | 1861             | 100.5 103.5 | 0.18 3.0     |
|                      | 1.0 foot ground core.   | 1862             | 103.5 106.5 | 0.23 3.0     |
|                      |   | 1863             | 106.5 109.5 | 0.21 3.0     |
|                      |   | 1864             | 109.5 113.5 | 0.09 4.0     |
| 114.0 127.0          | Graphite shale.   |                  |             |              |
| 127.0                | End of hole.  |                  |             |              |

61.5 - 70.5  
9.0 .193  
100.5 - 109.5  
9.0 .207  
61.5 - 113.5  
52.0 .106

AVERAGES: 61.5 to 70.5, 0.193 over 9.0 feet.  
100.5 to 109.5, 0.207 over 9.0 feet.  
61.5 to 113.5, 0.106 over 52.0 feet.

Dec. 21/83.

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-74

Location: Omega Group

Date Started: Dec. 03/83

Page No. 1

Level: Surface

Date Finished: Dec. 04/83

Core Size: BQ

Bearing: Grid North

Logged by: Guy Hinse

Signed: G. J. Hinse

Inclination: -45°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 113.0'

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 5+55E, 0+24N

Project: 1022

At: ~~NO TEST TAKEN~~

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At: 110' - 40°

| Footage<br>From - To | Geological & Physical Description                    | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
| 0.0 75.0             | Casing.  |                  |             |              |
| 75.0 100.0           | Grey mudstone, low chert, little pyrite.             | 1865             | 74.4 77.4   | .002         |
|                      |  | 1866             | 77.5 80.4   | .002         |
|                      | 5-10% pyrite   | 1867             | 80.4 83.4   | .002         |
|                      | Highly siliceous, 10% pyrite                         | 1868             | 83.4 86.4   | .005         |
|                      | 6" ground core, broken                               | 1869             | 86.4 89.4   | .08          |
|                      | 2.0' ground core, broken                             | 1870             | 89.4 93.0   | .01          |
|                      |  | 1871             | 93.0 96.0   | .002         |
|                      |  | 1872             | 96.0 100.0  | .002         |
| 100.0 107.0          | Sand and above, very little core recovery.           |                  |             |              |
| 107.0 113.0          | Green carbonate, grading locally to brilliant green. | 1873             | 107.0 110.0 | .002         |
| 113.0                | End of hole.   |                  |             |              |
| Dec. 21/83.          |  |                  |             |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited

Hole No. OM 83-75

Location: Omega Group

Date Started: Dec. 05/83

Page No. 1

Level: Surface, No. 2 Area

Date Finished: Dec. 06/83

Core Size: BQ

Bearing: Grid South

Logged by: Guy Hinse

Signed: G. J. Hinse

Inclination: -45°

Core Saved or Discarded: Stored at Omega Mine

Total Depth: 82.0'

Casing Pulled: (X) or Left: ( )

Acid Tests:

Location of Collar: 5+25E, 1+40N

Project: 1022

At: NO TEST TAKEN

Drilled by: Heath & Sherwood, Kirkland Lake, Ontario

At:

| Footage<br>From - To | Geological & Physical Description | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|-----------------------------------|----------------------------|--------------|
|----------------------|-----------------------------------|----------------------------|--------------|

0.0 82.0 Casing.

82.0 End of hole.

Hole abandoned at 82.0 feet, casing broke.

Dec. 21/83.

DIAMOND DRILL LOG

|  |   |                            |
|--|---|----------------------------|
| Company: Lenora Exploration Limited                  | Date Started: Dec. 06/83                      | Hole No. OM 83-76          |
| Location: Omega Group                                | Date Finished: Dec. 10/83                     | Page No. 1                 |
| Level: Surface, Lake Claim                           | Logged by: Guy Hinse                          | Signed: <u>G. J. Hinse</u> |
| Bearing: 88°W of Grid N.                             | Core Saved or Discarded: Stored at Omega Mine | Core Size: BQ              |
| Inclination: - 45°                                   | Casing Pulled: (X) or Left: ( )               | Acid Tests:                |
| Total Depth: 675.0'                                  | Project: 1022 At:                             | At:                        |
| Location of Collar: 4+39E, 5+67S                     |   |                            |
| Drilled by: Heath & Sherwood, Kirkland Lake, Ontario |   |                            |

| Footage<br>From - To | Geological & Physical Description   | Sample From - To<br>Number | Au<br>oz/ton |
|----------------------|---|----------------------------|--------------|
| 0.0 13.0             | Casing.   |                            |              |
| 13.0 47.0            | Ultramafic tuff or sediments. Massive to well laminated, talcy chlorite, at 45° to core axis containing a few ultramafic clasts? up to 5 cm. One large frambooid of pyrite at 42.0, 1.5 cm across.<br>31.0-32.5, dark reddish syenite, sharp upper and lower contact at 45° to core axis. Up to 10% very fine disseminated pyrite.<br>45.5-47.0, broken up, brecciated, fault?  |                            |              |
| 47.0 92.0            | Syenite, dark reddish grey, increasing syenitization from 47.0. Contains small nodules and fragments of green chlorite and 1 to 2% very fine disseminated pyrite. Weakly brecciated with the introduction of quartz-feldspar and medium red hematized material along fractures. Sharp lower contact at 45° to core axis, appears chilled over last 2 feet, definitely fine grained and more silicified with up 5-6% very fine pyrite. |                            |              |
| 92.0 118.5           | Ultramafic as before, locally well brecciated with the introduction of pinkish quartz, feldspar and calcite veinlets at random angles to core axis. Traces of pyrite.   |                            |              |
| 118.5 160.0          | Dark grey fine grained rock consisting of fine carbonate and feldspar? in a biotite-rich matrix, 1% fine disseminated pyrite. Very fine grained lamprophyre or sediment? Brecciated with 5-10% pinkish quartz and feldspar matrix. Could also be an altered ultramafic?   |                            |              |
| 160.0 161.0          | Syenite, dark reddish-grey, sharp upper and lower contact at 30 and 45° to core axis, traces of very fine disseminated pyrite.  |                            |              |
| 161.0 162.0          | Ultramafic, altered.  |                            |              |
| 162.0 172.0          | Syenite as above, sharp and chilled upper and lower contact at 30 and 45° to core axis; weakly brecciated with 5-10% quartz matrix. Traces of fine disseminated pyrite.   |                            |              |
| 172.0 176.5          | Green chlorite zone.  |                            |              |
| 176.5 177.5          | Syenite, close to brick red in color, more siliceous than above syenite. 1-3% fine disseminated pyrite, weakly brecciated.  |                            |              |
| 177.5 180.0          | 10% shards and clusters of mica in a grey-pink syenitic matrix, massive. Looks like an altered sandstone.   |                            |              |
| 180.0 181.5          | Brecciated syenite, low to medium pink, siliceous, 3-5% disseminated pyrite.  |                            |              |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-76  
 Page No. 2

| Footage<br>From - To | Geological & Physical Description   | Sample<br>Number  | From - To   | Au<br>oz/ton |       |
|----------------------|---|---|-------------|--------------|-------|
| 181.5 189.0          | As 177.5 to 180.0, increase in syenitization from 183.0 to 189.0.   |   |             |              |       |
| 189.0 191.0          | Highly contorted, predominantly parallel to core axis, altered ultramafic.  | 1884  | 190.5 193.5 | 0.005        |       |
| 191.0 221.0          | Various syenites, from medium pink-grey to darker varieties, up to 10% fine disseminated pyrite, all brecciated with up to 10% quartz matrix. Pyrite content appears to increase with lighter syenite.  | 1885  | 193.5 196.5 | 0.015        |       |
|                      |   | 1886  | 196.5 199.5 | 0.005        |       |
|                      |   | 1887  | 199.5 201.0 | 0.002        |       |
|                      |   | 1888  | 212.5 217.5 | 0.005        |       |
|                      |   | 1889  | 217.5 222.5 | 0.01         |       |
|                      |   | 201.5-202.5, altered sandstone as before.   |             |              |       |
| 221.0 229.0          | Syenitized and altered rock, medium grey, coarse grained.   |   |             |              |       |
| 229.0 492.0          | Syenite, medium grey-pink to locally brick-red, sharp upper contact at 30° to core axis. 3-5% disseminated pyrite. Brecciated with up to 10% quartz matrix. Looks like an altered sandstone, except for section from 238.0 to 261.0 which looks like a conglomerate. Contains short sections of altered ultramafic. | 1891  | 229.0 236.6 | 0.01         |       |
|                      |   | 1892  | 241.7 245.3 | 0.055        |       |
|                      |   | 1893  | 270.0 274.0 | 0.01         |       |
|                      |   | 1895  | 277.0 282.0 | 0.01         |       |
|                      |   | 1896  | 282.0 287.0 | 0.025        |       |
|                      |   | 1897  | 287.0 292.0 | 0.002        |       |
|                      |   | At 289.0, lineated at 70° to core axis.   | 1898        | 292.0 297.0  | 0.002 |
|                      |   |   | 1899        | 297.0 302.0  | 0.005 |
|                      |   |   | 1900        | 302.0 307.0  | 0.05  |
|                      |   |   | 0001        | 307.0 312.0  | 0.01  |
|                      |   | 310.0-350.0, low grey-pink, more silicified, locally up to 10% disseminated pyrite. | 0002        | 312.0 317.0  | 0.01  |
|                      |   | 0003  | 317.0 322.0 | 0.02         |       |
|                      |   | 0004  | 322.0 327.0 | 0.0035       |       |
|                      |   | 0005  | 327.0 332.0 | 0.005        |       |
|                      |   | 0006  | 332.0 337.0 | 0.14         |       |
|                      |   | 0007  | 337.0 342.0 | 0.005        |       |
|                      |   | 0008  | 342.0 347.0 | 0.005        |       |
|                      |   | 0009  | 347.0 352.0 | 0.01         |       |
|                      |   | 0010  | 342.0 357.0 | 0.005        |       |
|                      |   | 0011  | 357.0 362.0 | 0.002        |       |
|                      | 364.5-366.5, 379.0-382.5, 396.0-400.5, 412.0-414.0, altered ultramafic, looks like a conglomerate.  |   |             |              |       |

DIAMOND DRILL LOG

Company: Lenora Exploration Limited  
 Project: McVittie Township

Project No: 1022

Hole No. OM 83-76  
 Page No. 3

| Footage<br>From - To | Geological & Physical Description  | Sample<br>Number | From - To   | Au<br>oz/ton |
|----------------------|--|------------------|-------------|--------------|
|                      |  | 0012             | 362.0 364.0 | 0.002        |
|                      |  | 0013             | 366.5 371.5 | NIL          |
|                      |  | 0014             | 371.5 374.5 | 0.01         |
|                      |  | 0015             | 374.5 379.0 | 0.005        |
|                      | 350.0-427.0, dark pinkish-grey, less than 1% disseminated pyrite, massive to only weakly brecciated.   |                  |             |              |
|                      | 427.0-450.0, low-medium grey-pink, 10% quartz breccia, 3-5% pyrite.  |                  |             |              |
|                      |  | 0016             | 426.0 431.0 | 0.002        |
|                      |  | 0017             | 431.0 436.0 | 0.002        |
|                      |  | 0018             | 436.0 441.0 | 0.035        |
|                      |  | 0019             | 441.0 446.0 | 0.03         |
|                      |  | 0020             | 446.0 451.5 | 0.01         |
|                      | 450.0 on, alternating sections of dark grey-red altered sandstone? and ultramafic conglomerate. Definite conglomerate at 480.0 to 482.0, 20-30% 3-5 mm clasts in a sandy matrix. Clasts are predominantly chert, syenite and black chlorite. |                  |             |              |
| 492.0 609.5          | Conglomerate, polymictic, 30-40% clasts up to 10 mm in a sandy matrix, larger clasts are chert, jaspillite with softer clasts smaller and somewhat stretched.  |                  |             |              |
|                      |  | 0021             | 509.3 514.3 | NIL          |
|                      | 512.0-552.0, syenitized, dark red, but harder clasts still visible.  |                  |             |              |
|                      | 568.0-571.0, very peculiar conglomerate made out of matrix from above plus usual clasts.   |                  |             |              |
|                      | 575.0-582.0, dark red syenitized, looks like an altered sandstone.   |                  |             |              |
|                      | 582.0-609.5, conglomerate, locally highly syenitized with up to 10% pyrite where brecciated.   |                  |             |              |
|                      |  | 0022             | 594.3 598.3 | 0.002        |
|                      |  | 0023             | 598.3 600.8 | NIL          |
| 609.5 675.0          | Ultramafic conglomerate, mainly 50-60% ultramafic clasts, stretched up to 1 cm x 4 cm and 10% well-rounded chert clasts in an ultramafic matrix.   |                  |             |              |
|                      | 626.5-628.0, 635.0-645.0, 657.0-675.0, dark red syenite.   |                  |             |              |
|                      | 649.0-651.5, white milky quartz.   |                  |             |              |
|                      |  | 0024             | 658.0 663.0 | 0.002        |
| 675.0                | End of hole.   |                  |             |              |
|                      | Conglomerate section in last portion of hole contains many clasts from brick-red syenite rock up the hole. Mobility down slope, syenite or hematized chert-carbonate deposited as mud rather intrusive??                                     |                  |             |              |

Jan. 17/84.





32D04SE0033 63.4280 MCVITTIE

030

A REPORT ON A MAGNETIC SURVEY  
DONE ON THE LAKE CLAIM AND A PORTION OF THE OMEGA GROUP,  
OF  
LENORA EXPLORATION LIMITED,  
LOCATED IN MCVITTIE TWP, LARDER LAKE MINING DIVISION.

Prepared by:

G.J. Hinse, P.Eng.  
9 Gloucester Ct.  
Sudbury, Ontario  
P3E 5M2

November 23, 1984  
NTS 32D/4 0203

DM82-6-C-180





32004SE0033 63.4280 MCVITTIE

030C

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Magnetometer Results . . . . . 5

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Maps Showing Magnetic Survey Results  
included in back pocket.

SUMMARY

During the month of February 1983, a ground magnetometer survey was conducted over the one claim designated as the Lake claim and over a portion of the Omega group, located to the north of the Lake claim.

The survey was done with the objective to delineate lithologic units favorable to gold mineralization.

The survey successfully outlined on the Lake claim, the western contact area of the Pancake Bay intrusive and a low magnetic response indicated over an auriferous horizon previously stripped and trenched. However, on the Omega group, the results did not indicate any significant target which could be interpreted as representing the gold-bearing horizons.

No further magnetic survey work is recommended.

A REPORT ON A MAGNETIC SURVEY  
DONE ON THE LAKE CLAIM AND A PORTION OF THE OMEGA GROUP,  
MCVITTIE TWP. PROPERTY,  
OF  
LENORA EXPLORATION LIMITED.

---

INTRODUCTION

During the month of February 1983, a magnetometer survey was conducted over the one claim designated as the Lake claim and a portion of the Omega group, being parts of the properties of Lenora Exploration Limited, located in McVittie township, Larder Lake Mining Division of Ontario.

The surveyed area covers 2 and  $\frac{1}{2}$  claims comprising approximately 100 acres.

The purpose of the survey was to further delineate geologic units favorable to gold mineralization.

LOCATION AND ACCESS

The survey area is located in McVittie township in a group of claims that adjoins the town of Larder Lake to the east. The survey area is traversed by Highway 66, thus access is excellent.

GEOLOGY

The survey area is underlain from south to north, by conglomerate, ultramafic and basaltic flows and clastics, and carbonate rocks assigned to the Larder Lake break.

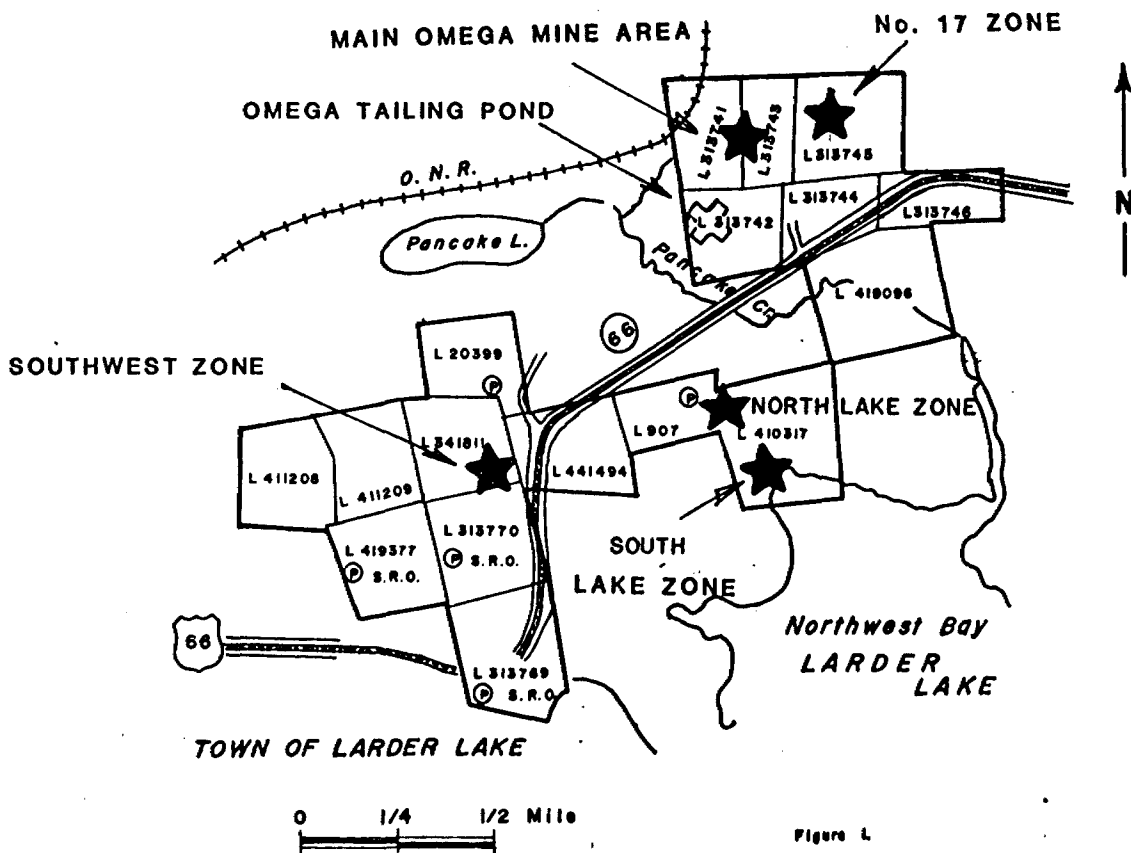
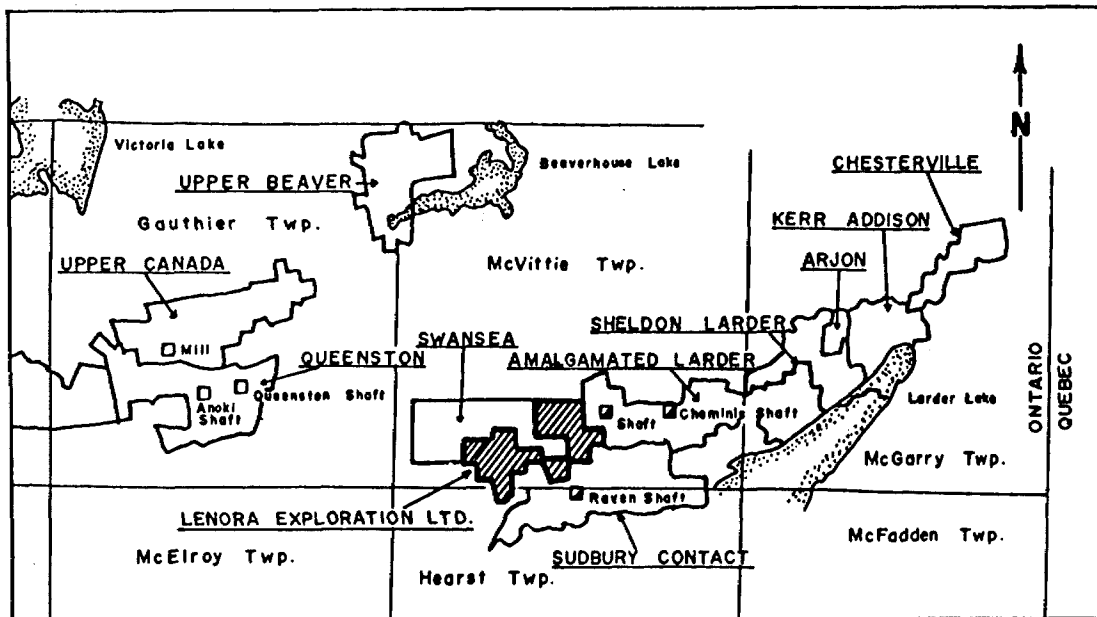


Figure 1  
LOCATION AND PROPERTY MAP  
of  
LENORA EXPLORATION LIMITED  
McVITTIE TWP. ONTARIO

### GRID

A line grid, cut previously on the Lake claim with lines 200 feet apart was used. On the Omega group, intermediate lines were added to a pre-existing grid, so that lines were available at every 200 feet.

### MAGNETOMETER SURVEY

A Geometrics G-826 proton precession magnetometer with a sensitivity of  $\pm$  one gamma was used for the survey. A base station was setted up at base line 0+00 on each grid and base station checks were made every two hours. From this the diurnal variations were corrected. On the Lake claim, readings were taken at 100-foot intervals except where large changes occurred, in this case, readings were taken at every 25 and 50 foot intervals. On the Omega group, readings were mostly taken at every 25 foot intervals. A total of 904 readings were taken.

### MAGNETOMETER RESULTS

The results of the magnetic survey done on the Lake claim and the Omega group are shown on maps at 1" = 200 feet and 1" = 50 feet, accompanying this report.

Within the east portion of the Lake claim, magnetic highs of approximately 1,000 gammas above background are located in an area of 200 gammas above background. These are believed to represent the west contact area of the Pancake Bay intrusive. Other one-line magnetic highs are interpreted as representing a higher proportion of basic clasts in the underlying conglomerate. Local variations in magnetic response also occur in the northwest portion of this claim, the reason for this not being clear, but here, the underlying rocks are dioritized, syenitized and hematized to various degrees, and higher magnetics may well represent a concentrations of magnetite in the dioritic facies of the alteration. A broad magnetic low is indicated in the south-central

portion of the Lake claim which corresponds with the gold-bearing horizon. However, the magnetic results did not indicate any such response along strike and over the North Lake zone.

On the Omega group, the survey did not outline any significant feature which could be interpreted as being related to the gold-bearing horizon. Several one-line magnetic anomalies are attributed to man-made sources. In the northwest portion of the survey area, an increase in magnetic intensity is probably caused by underlying basalts and ultramafics. The survey did not indicate any structural or geological features which could help in the interpretation of the underlying geology.

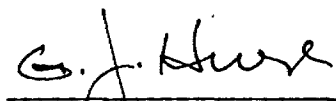
CONCLUSIONS AND RECOMMENDATIONS

The magnetic survey was not instrumental in defining definely the geologic horizons known favorable to gold-bearing mineralizations. Thus, no further work is recommended.

Respectfully submitted

Sudbury, Ontario  
November 23, 1984



  
\_\_\_\_\_  
G. J. Hinse, P. Eng.

CERTIFICATE

Re: Report on Magnetic Survey.  
McVittie Township Gold Property of Lenora Exploration Ltd.

I, G.J. HINSE, DO HEREBY CERTIFY:

I am a resident at 9 Gloucester Ct., Sudbury, Ontario, P3E 5M2.

I am a qualified geologist, having received my training at Laval University.

I am a registered Professional Engineer of the Province of Ontario, a member of the Canadian Society for Professional Engineers, the Quebec Prospectors Association, the Canadian Institute of Mining and Metallurgy and the Prospectors and Developers Association.

I have been continuously engaged in mining exploration, development and production since 1954 and have been a consulting geologist since 1978. My career in the Canadian mining industry has included positions as mine project manager, mine planning engineer, chief geologist, resident geologist and regional geologist.

I have been involved in northwestern Quebec since 1954 and in the Abitibi region and Larder Lake area since 1966 and, in the Rouyn-Noranda area intermittently since 1970. I have directly supervised almost all exploration work performed on the McVittie Township property of Lenora Exploration since 1981.

This report is based on the author's experience in exploration, on a the personal knowledge of all records of work done on this property, and published geological maps and reports.

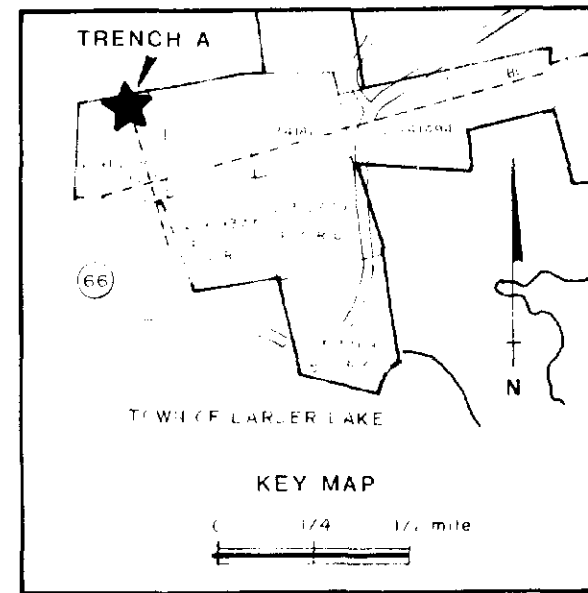
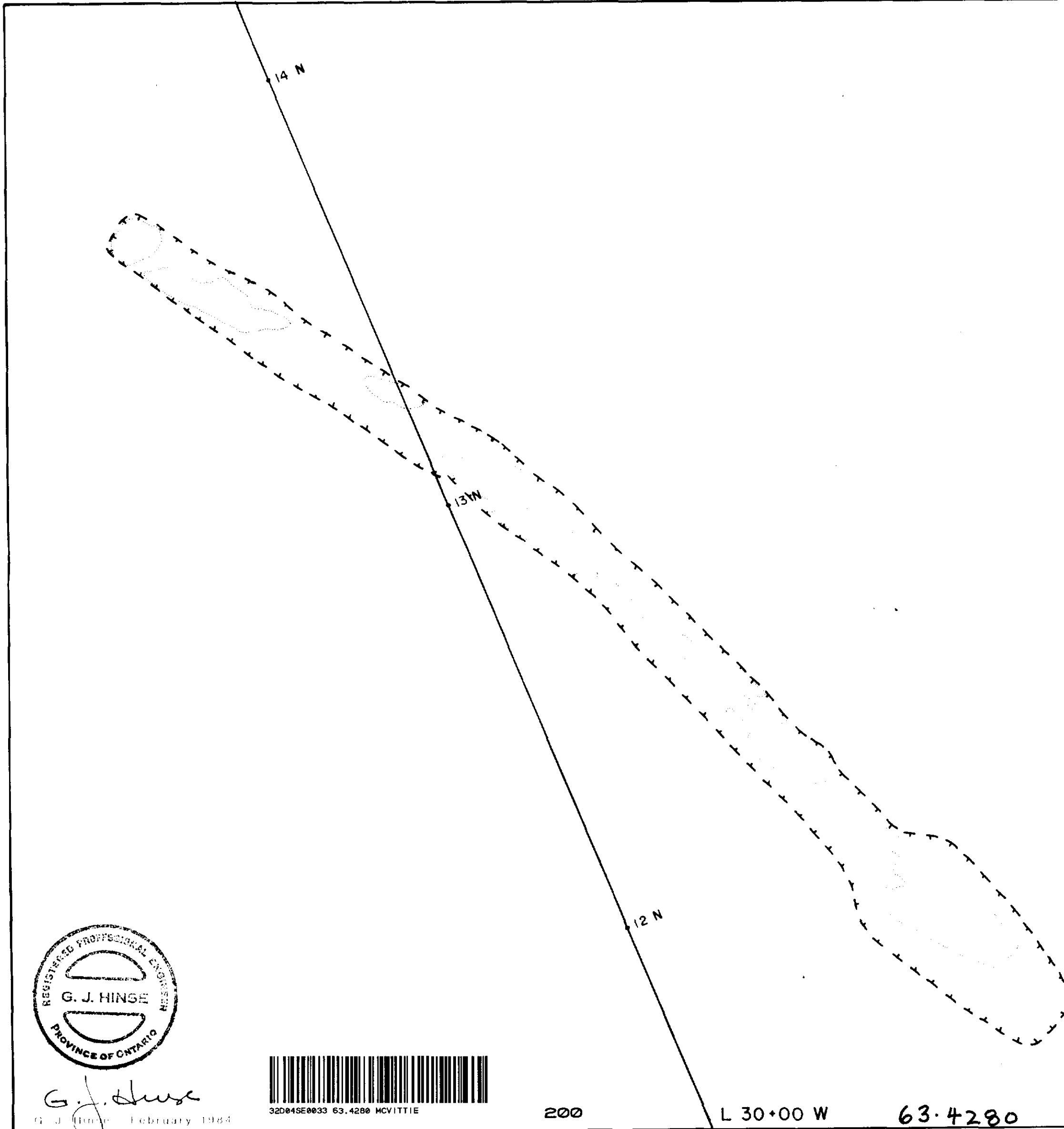
I have disclosed in this report all relevant material which, to the best of my knowledge, might have a bearing on the recommendations contained herein.

I have not, directly nor indirectly, received nor expect to receive any interest, direct or indirect, in the properties of Lenora Exploration Limited, or any affiliate, or beneficially own directly or indirectly, any securities of that company or any affiliate. I am not an insider of a company having an interest in the subject property nor in any property in the immediate area.

Sudbury, Ontario  
November 23, 1984



*G. J. Hinse*  
G. J. Hinse, P. Eng.



**EXPLANATION**

- Surface outline of trench
- Area of rock outcrop

**MAP OF TRENCH A  
SOUTHWEST GROUP  
FOR**

**LENORA EXPLORATION LIMITED  
McVITTIE TOWNSHIP      ONTARIO**

Scale: 1" = 20'



*G. J. Hinse*  
G. J. Hinse February 1984

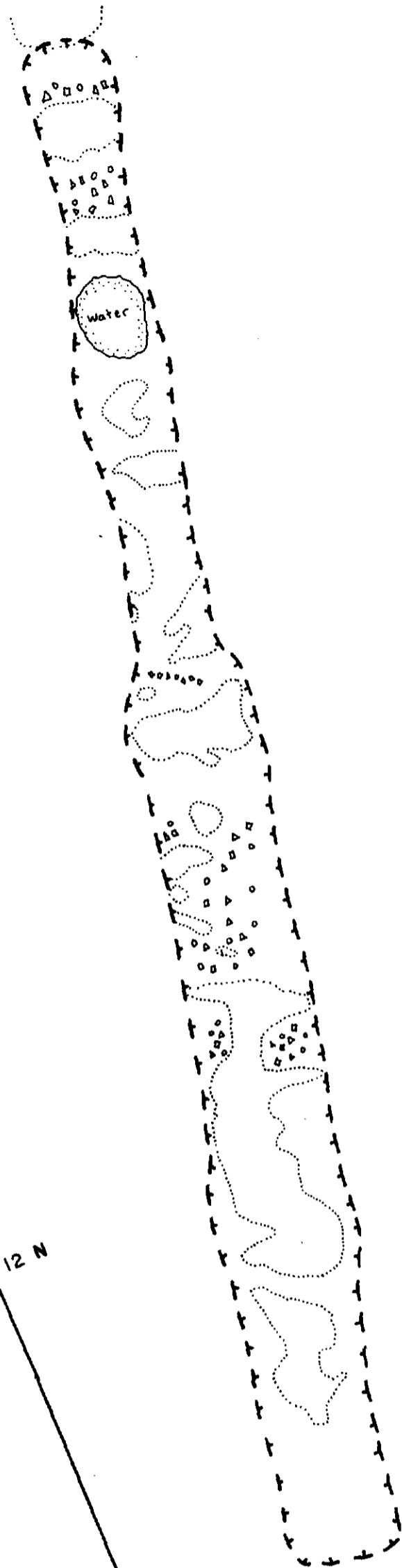




200

L 30+00 W

63.4280





- EXPLANATION**
-  Surface outline of trench
  -  Area of rock outcrop



32004SE0033 63.4280 MCVITTIE


210

L 26+00 W

63.4280

**MAP OF TRENCH B  
SOUTHWEST GROUP  
FOR  
LENORA EXPLORATION LIMITED  
McVITTIE TOWNSHIP      ONTARIO**

Scale: 1" = 20'





14 N




13 N

12 N

11 N

L 22+00 W

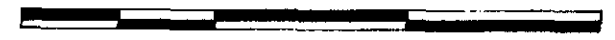
EXPLANATION

-  Surface outline of trench
-  Area of rock outcrop
-  Scarp

MAP OF TRENCH C  
SOUTHWEST GROUP  
FOR  
LENORA EXPLORATION LIMITED  
McVITTIE TOWNSHIP ONTARIO

Scale: 1" = 20'

20 0 20 40 feet



63-4280






February 1984

220



EXPLANATION

-  Surface outline of trench
-  Area of rock outcrop
-  Scarp

10 N

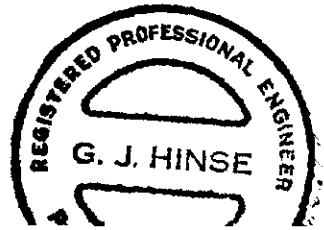
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8 N

L 16 + 00 W

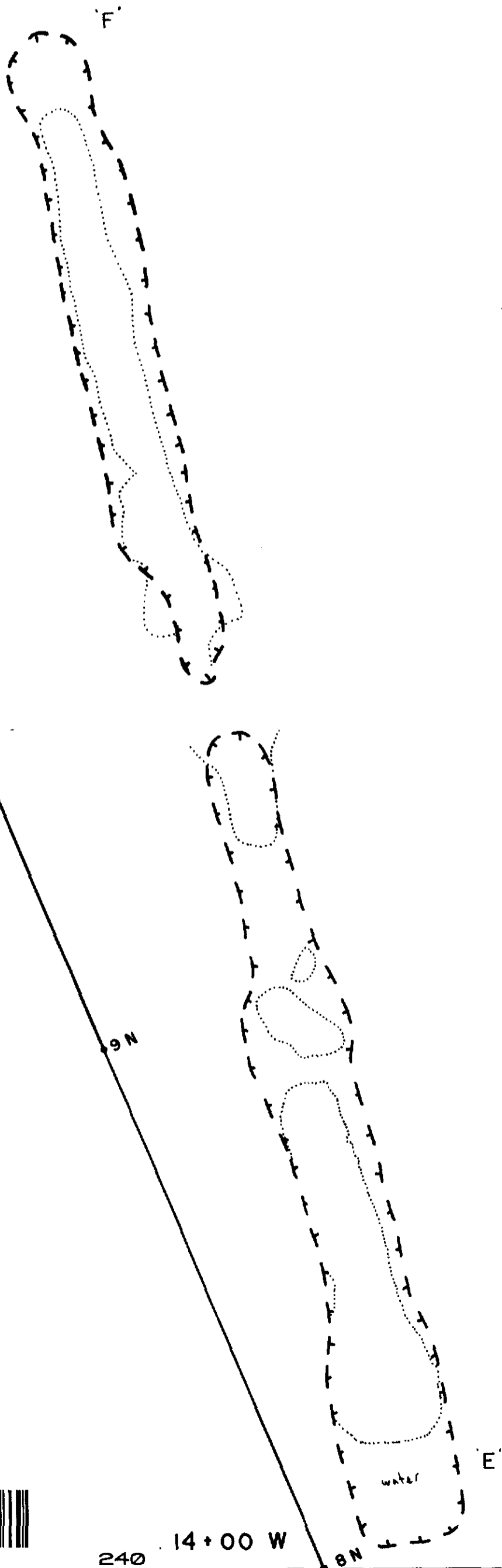
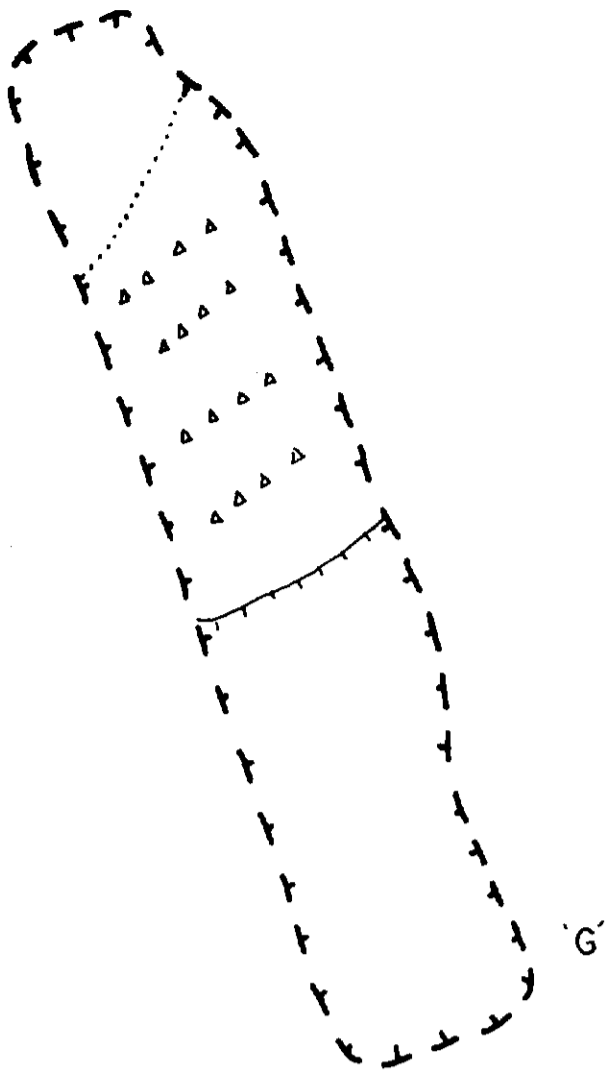
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MAP OF TRENCH D  
SOUTHWEST GROUP  
FOR  
LENORA EXPLORATION LIMITED  
McVITTIE TOWNSHIP      ONTARIO  
Scale: 1" = 20'



32D04SE0033 63.4280 McVITTIE

230



11 N

10 N



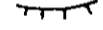
9 N

240

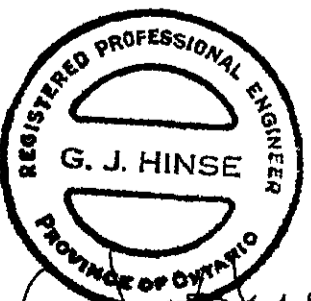
14+00 W

8 N

**EXPLANATION**

-  Surface outline of trench
-  Area of rock outcrop
-  Scarp

MAP OF TRENCH E, F, G  
 SOUTHWEST GROUP  
 FOR  
 LENORA EXPLORATION LIMITED  
 McVITTIE TOWNSHIP ONTARIO  
 Scale: 1" = 20'

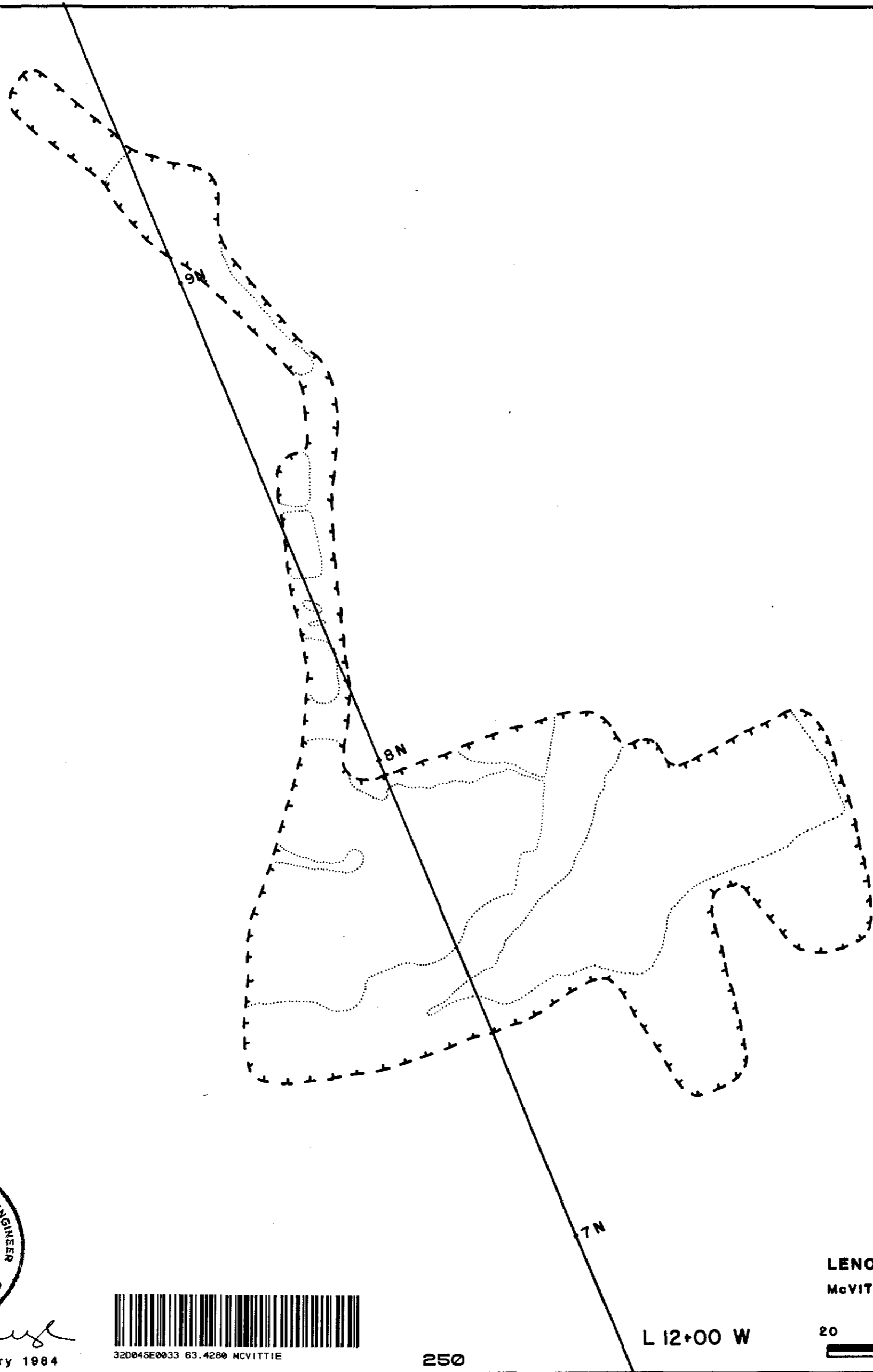


G. J. Hinse - February 1961

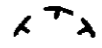



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63.4280




**EXPLANATION**

-  Surface outline of trench
-  Area of rock outcrop

**MAP OF TRENCH H  
SOUTHWEST GROUP  
FOR  
LENORA EXPLORATION LIMITED  
McVITTIE TOWNSHIP      ONTARIO**

Scale: 1" = 20'

20      0      20      40 feet



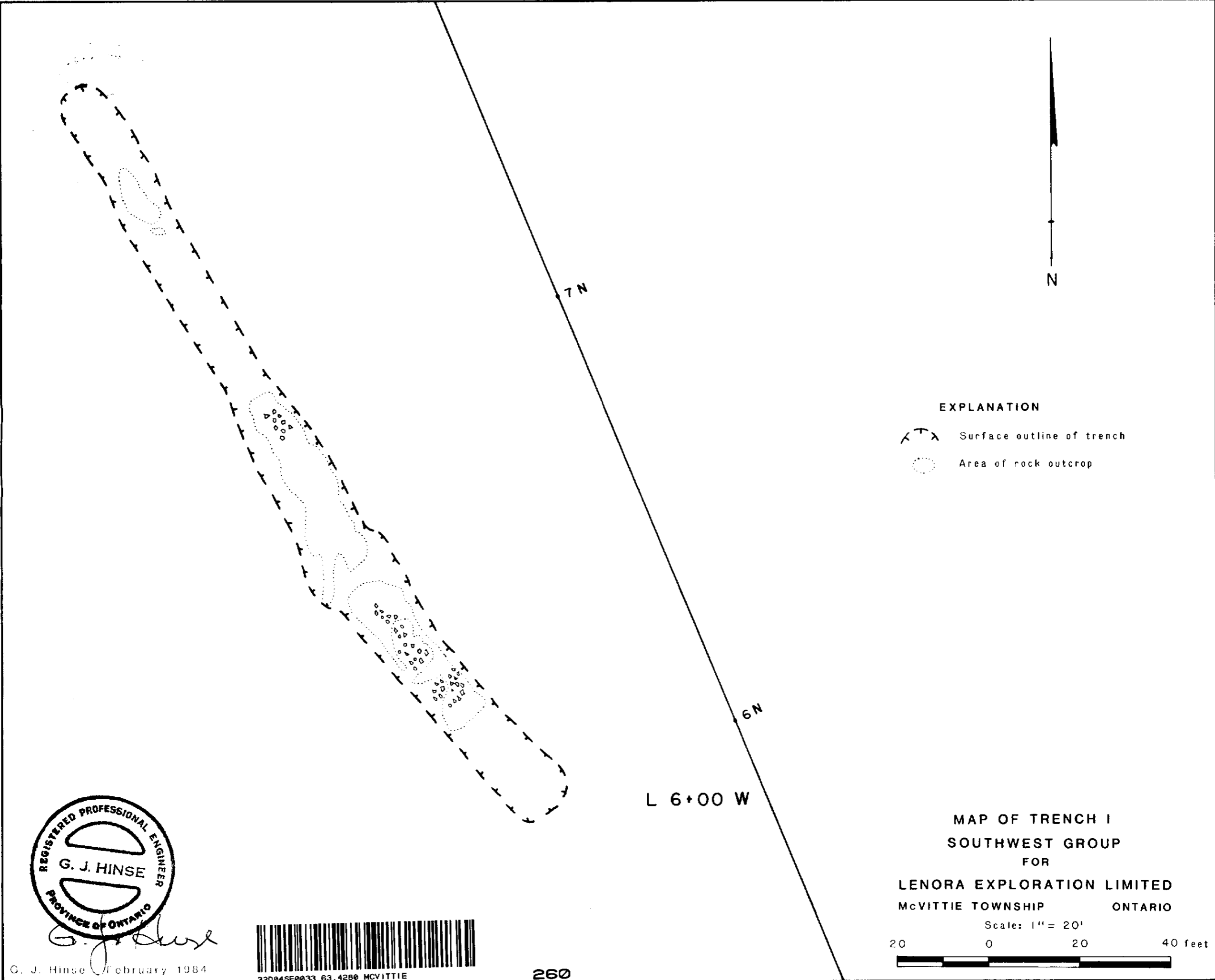

*G. J. Hinse*  
G. J. Hinse February 1984





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L 12+00 W

63.4280



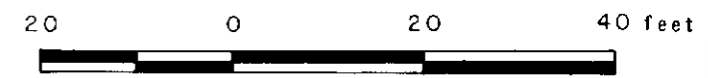
**EXPLANATION**

-  Surface outline of trench
-  Area of rock outcrop

**MAP OF TRENCH I  
SOUTHWEST GROUP  
FOR**

**LENORA EXPLORATION LIMITED  
McVITTIE TOWNSHIP ONTARIO**

Scale: 1" = 20'



*G. J. Hinse*

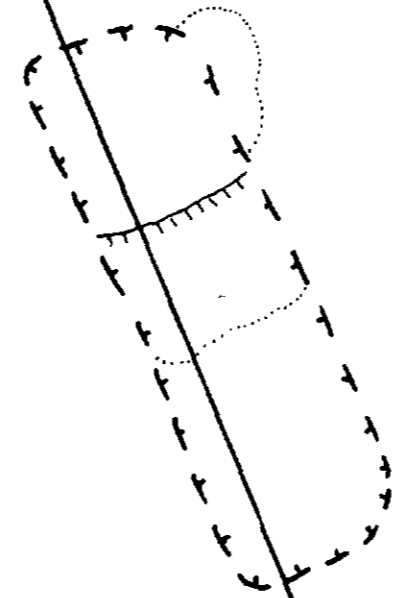
G. J. Hinse February 1984



260

63.4280

13 N



12 N




0+00

270

63.4280



**EXPLANATION**

-  Surface outline of trench
-  Area of rock outcrop
-  Scarp

**MAP OF TRENCH J**  
**SOUTHWEST GROUP**  
 FOR  
**LENORA EXPLORATION LIMITED**  
 McVITTIE TOWNSHIP      ONTARIO

Scale: 1" = 20'

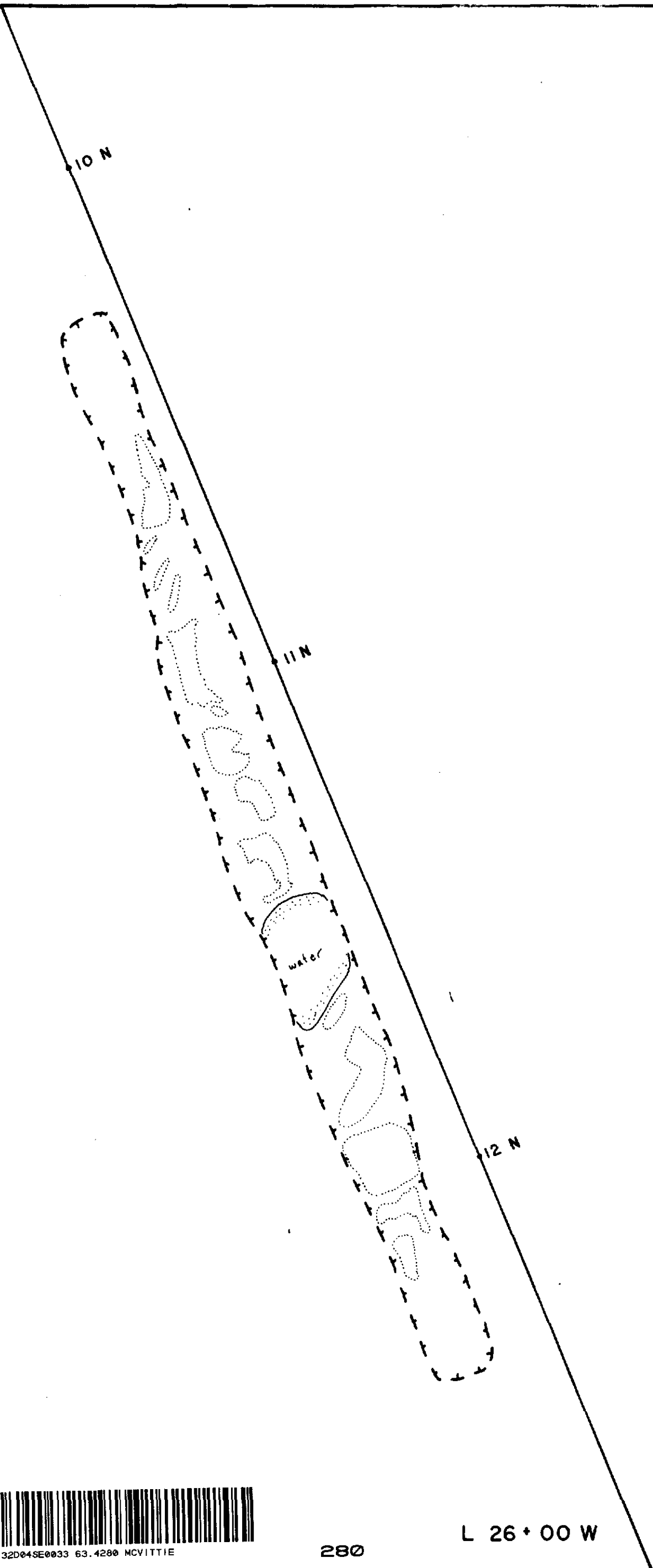


*G. J. Hinse*

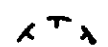

G. J. Hinse - February 1984



32004SE0033 63.4280 MCVITTIE



**EXPLANATION**

-  Surface outline of trench
-  Area of rock outcrop

**MAP OF TRENCH K  
SOUTHWEST GROUP  
FOR  
LENORA EXPLORATION LIMITED  
McVITTIE TOWNSHIP      ONTARIO**

Scales 1" = 20'



G. J. Hinse - February 1984



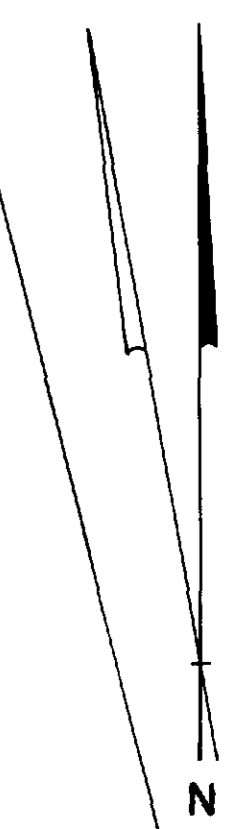
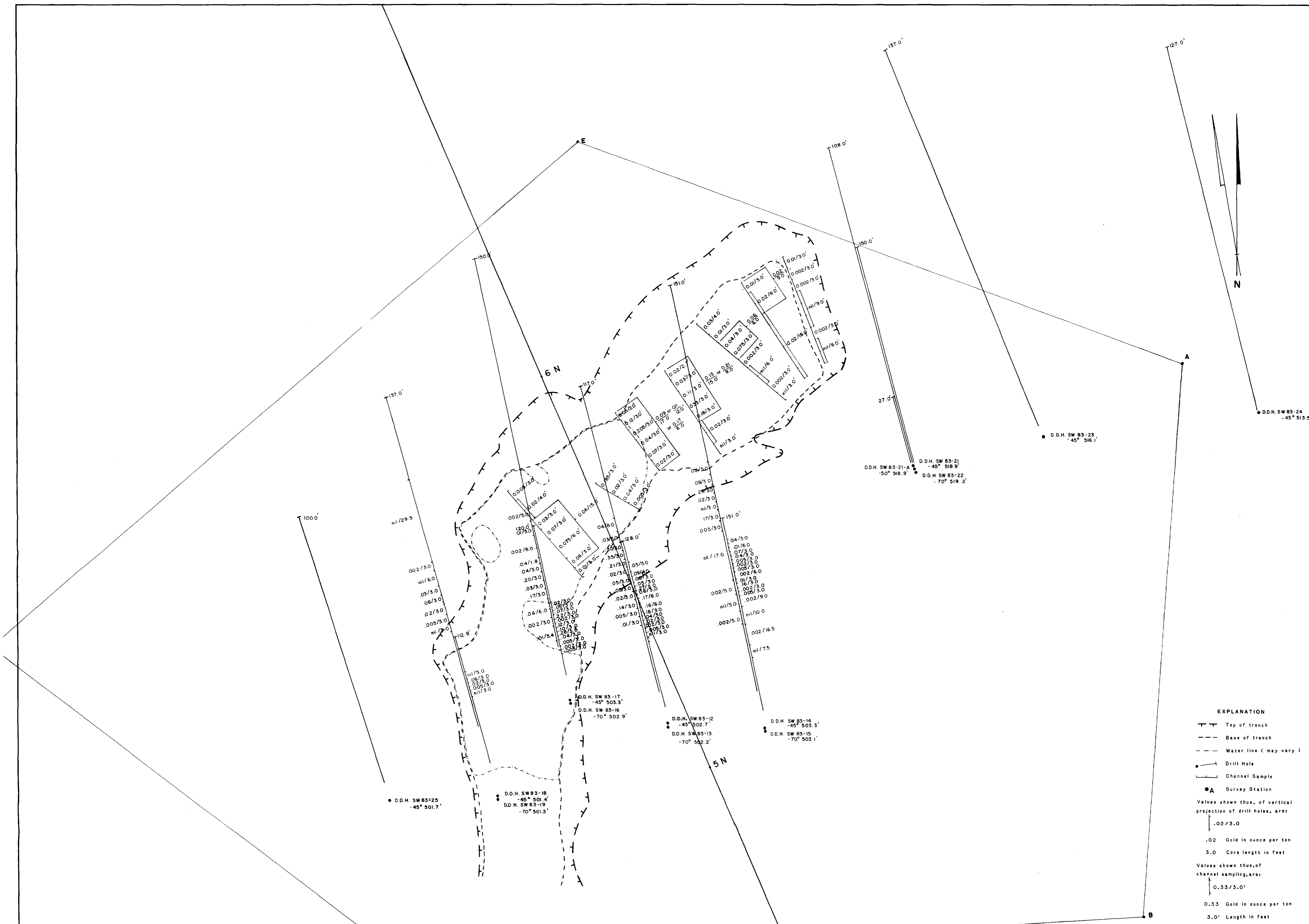
32004SE0033 63.4200 MCVITTIE

280

L 26 + 00 W

63.4280





- EXPLANATION**
- Top of trench
  - Base of trench
  - Water line (may vary)
  - Drill Hole
  - Channel Sample
  - Survey Station
- Values shown thus, of vertical projection of drill holes, are:
- .02/3.0
  - .02 Gold in ounce per ton
  - 3.0 Core length in feet
- Values shown thus, of channel sampling, are:
- 0.33/3.0'
  - 0.33 Gold in ounce per ton
  - 3.0' Length in feet

**SOUTHWEST GROUP**

**BULK SAMPLE PIT**  
SHOWING CHANNEL SAMPLING & ASSAYS  
**MCVITTIE TOWNSHIP**  
**LARDER LAKE MINING DIVISION**  
**DISTRICT OF TIMISKAMING, ONTARIO**

10 0 10 20  
Scale: 1 inch to 10 feet

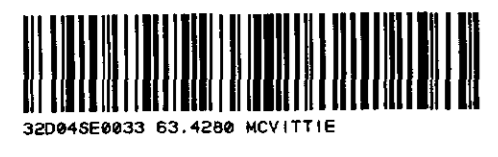
**LENORA EXPLORATION LIMITED**

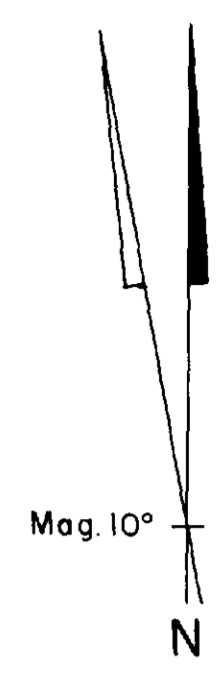
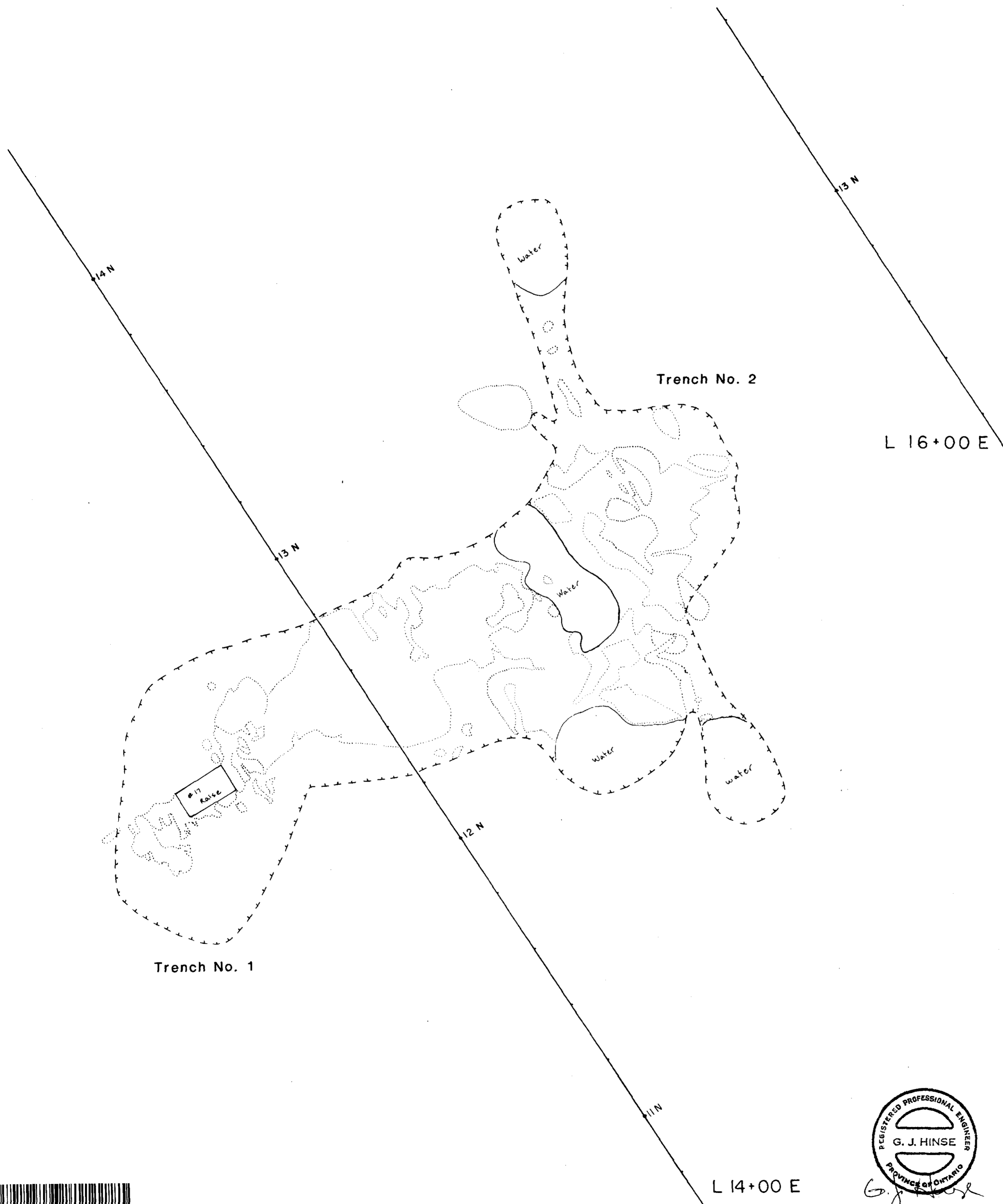
Drawn by: M.M.G. Drawing No.: Date: October 1983



G. J. Hinze - February 1984

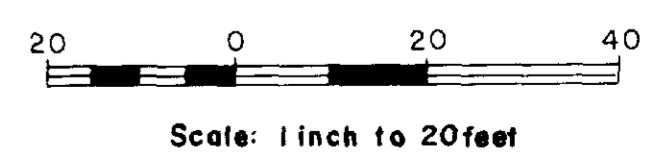
L 4+00 W





**EXPLANATION**  
 - - - - - Surface outline of trench  
 ○ Area of rock outcrop

**OMEGA GROUP**  
**TRENCH NO. 1 WEST**  
 McVITTIE TOWNSHIP  
 LARDER LAKE MINING DIVISION  
 DISTRICT OF TIMISKAMING, ONTARIO

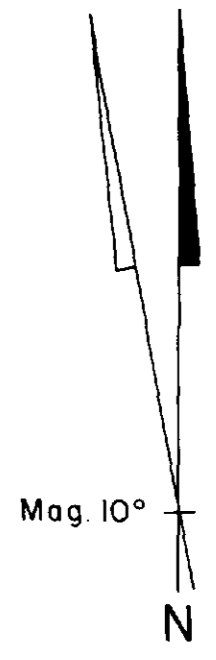
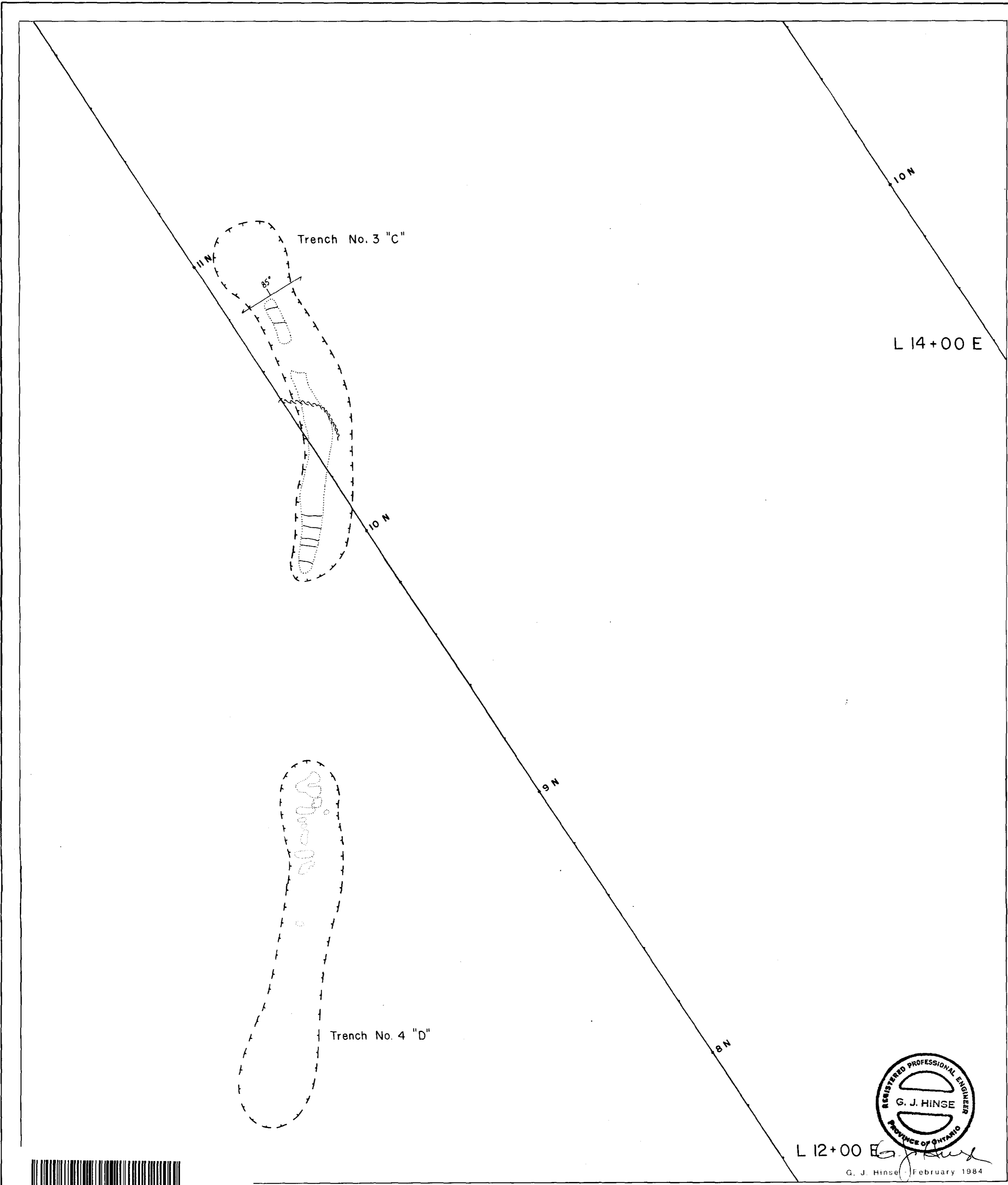


G. J. Hinse February 1984

**LENORA EXPLORATION LIMITED**

Drawn by: M.M.G. Drawing No.: Date: June 1983





**EXPLANATION**

- Surface outline of trench
- Area of rock outcrop
- ↗ Strike and dip of schistosity
- ~ Fault

**OMEGA GROUP**

**TRENCH NO. 3&4 WEST**

MCVITTIE TOWNSHIP  
LARDER LAKE MINING DIVISION  
DISTRICT OF TIMISKAMING, ONTARIO

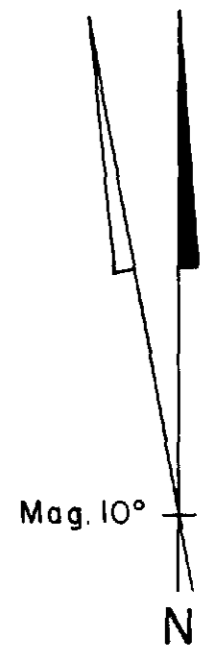
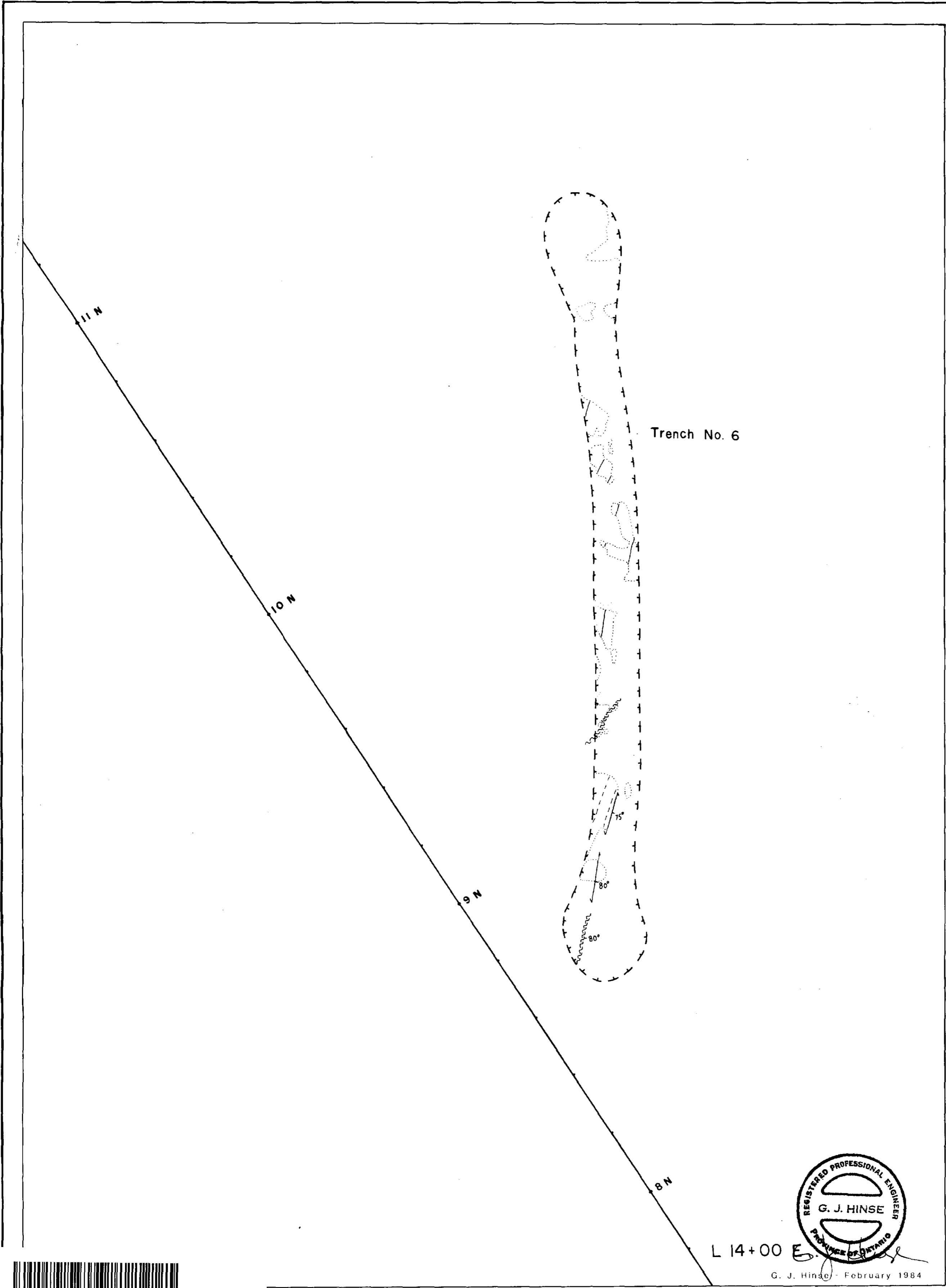


Scale: 1 inch to 20 feet 310

**LENORA EXPLORATION LIMITED**

Drawn by: M.M.G. Drawing No.: Date: June 1983





Trench No. 6

**EXPLANATION**

- Surface outline of trench
- Area of rock outcrop
- ↗ Strike and dip of schistosity
- ~ Fault

**OMEGA GROUP**

TRENCH NO.6 WEST

MCVITTIE TOWNSHIP  
LARDER LAKE MINING DIVISION  
DISTRICT OF TIMISKAMING, ONTARIO



Scale: 1 inch to 20 feet 372



L 14+00 E. J. Hinse  
G. J. Hinse - February 1984

**LENORA EXPLORATION LIMITED**

Drawn by: MMG | Drawing No.: | Date: June 1983



320945E0033 63.4280 MCVITTIE

320

63.4280



Mag 10°

N

EXPLANATION

- Surface outline of trench
- Area of rock outcrop

**OMEGA GROUP**

**TRENCH NO. 7 WEST**

MCVITTIE TOWNSHIP  
LARDER LAKE MINING DIVISION  
DISTRICT OF TIMISKAMING, ONTARIO



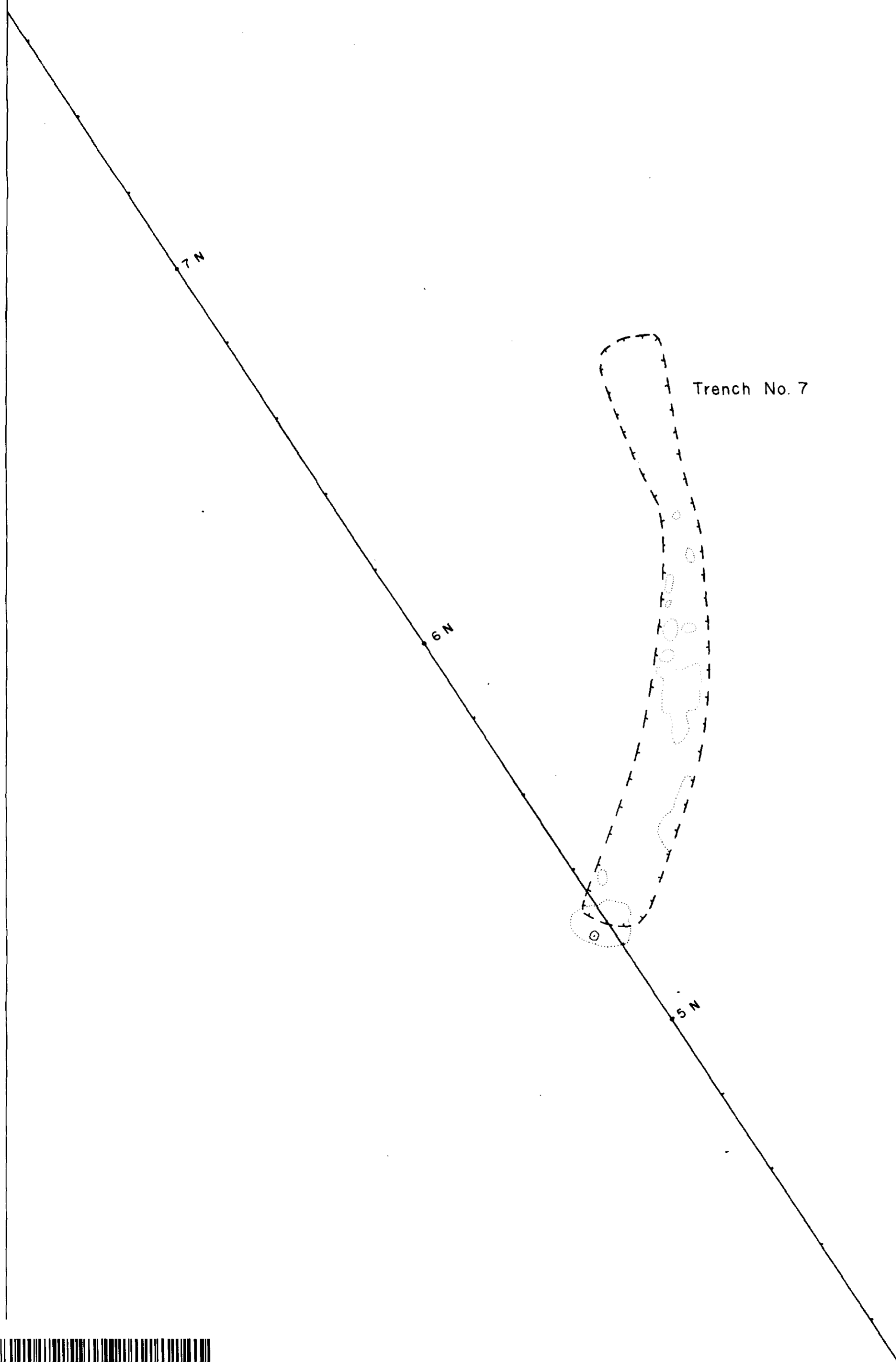
Scale: 1 inch to 20 feet

320

**LENORA EXPLORATION LIMITED**

Drawn by: M.M.G.    Drawing No.:    Date: June 1983

63-4280



Trench No. 7

7N

6N

5N

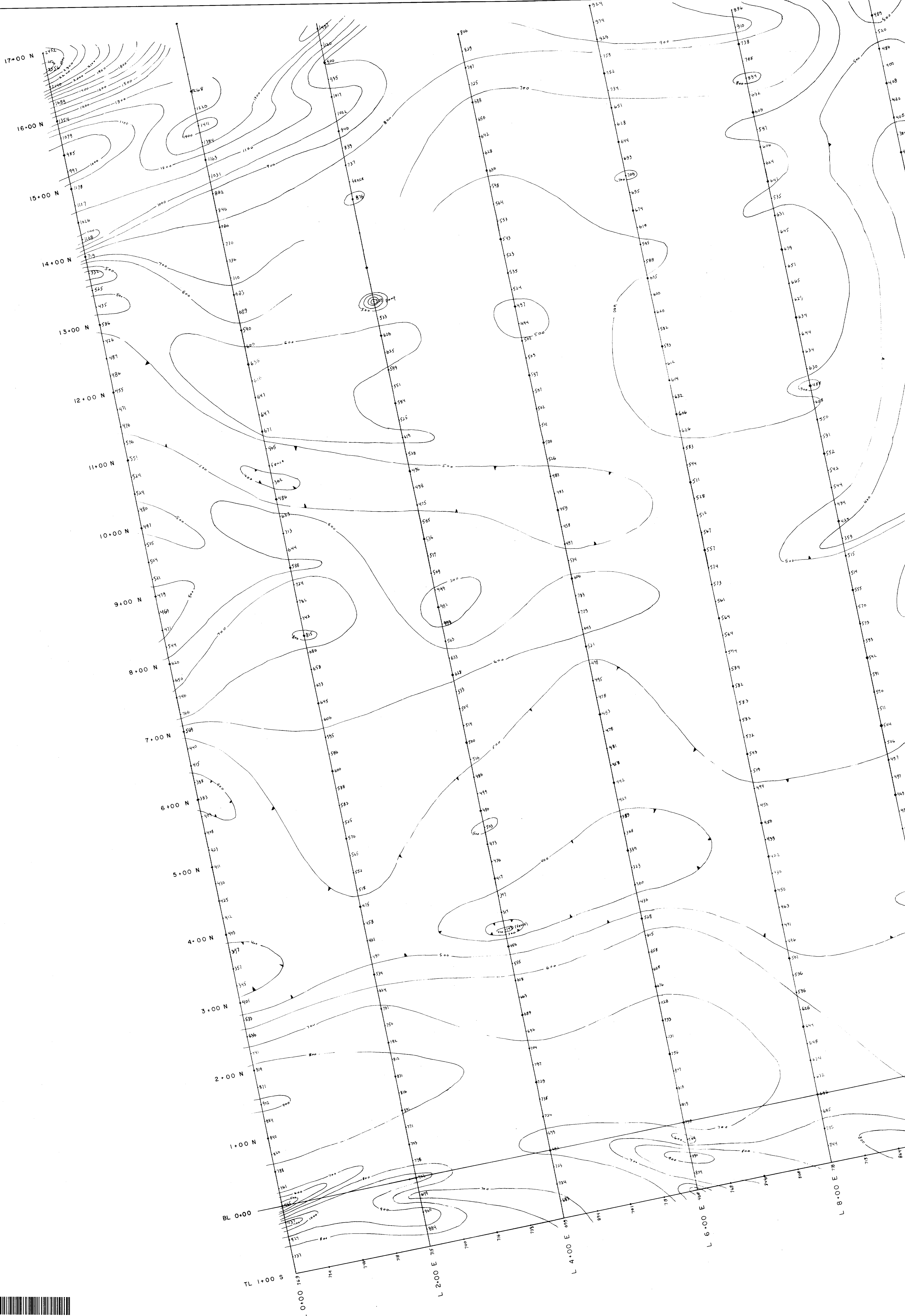
L 12+00

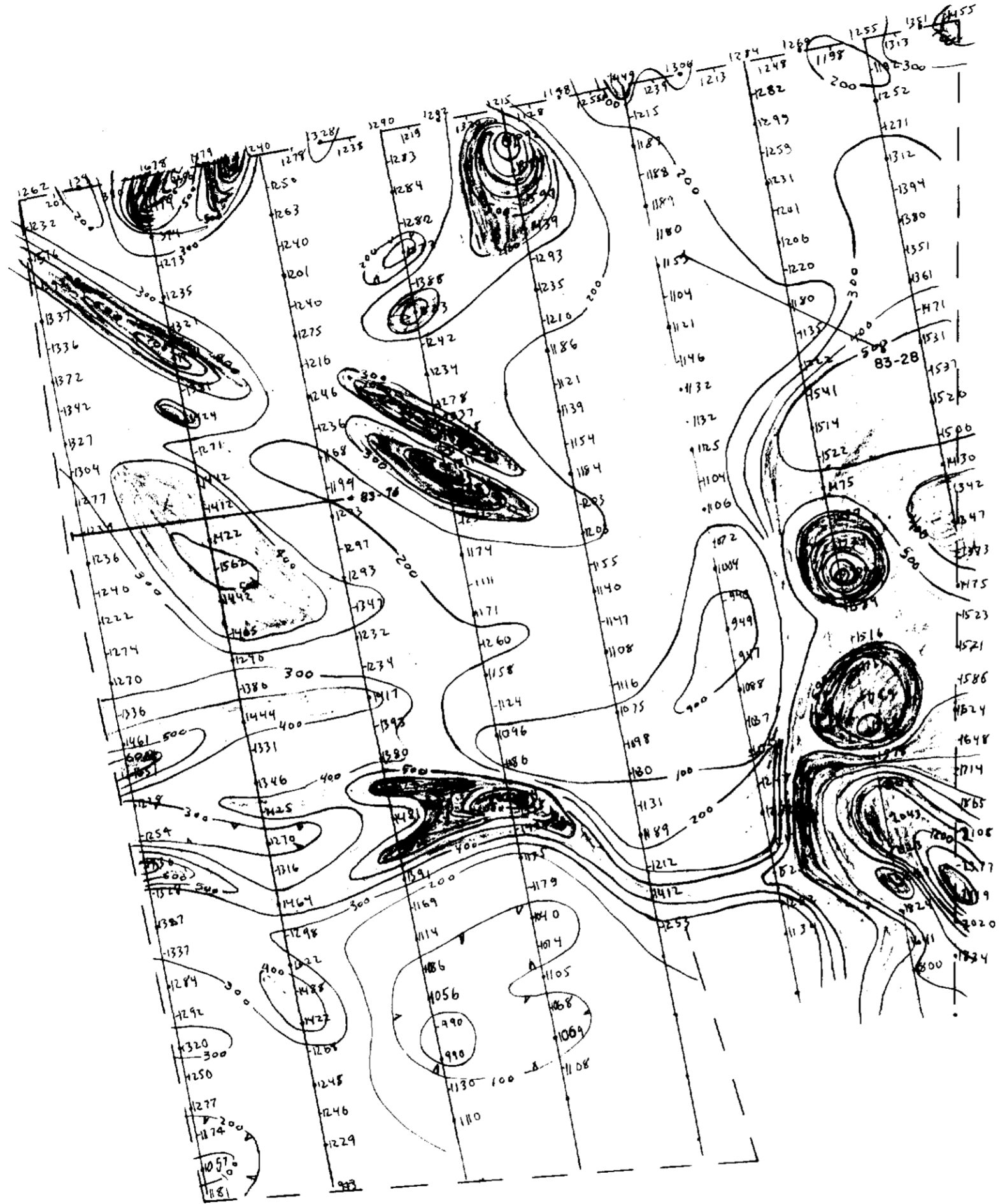


G. J. Hinse, February 1984

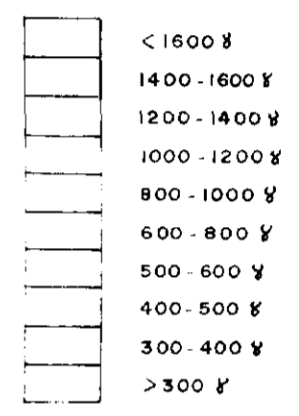


3204SE0033 63.4280 MCVITTIE





CONTOUR INTERVAL 100'



**LAKE CLAIM**  
**GROUND MAGNETOMETER SURVEY**  
 MCVITTIE TOWNSHIP  
 LARDER LAKE MINING DIVISION  
 DISTRICT OF TIMISKAMING, ONTARIO

200      0      200      400  
  
 Scale: 1 inch to 200 feet

**LENORA EXPLORATION LIMITED**



*G. J. Hinse*

G. J. Hinse February 1984

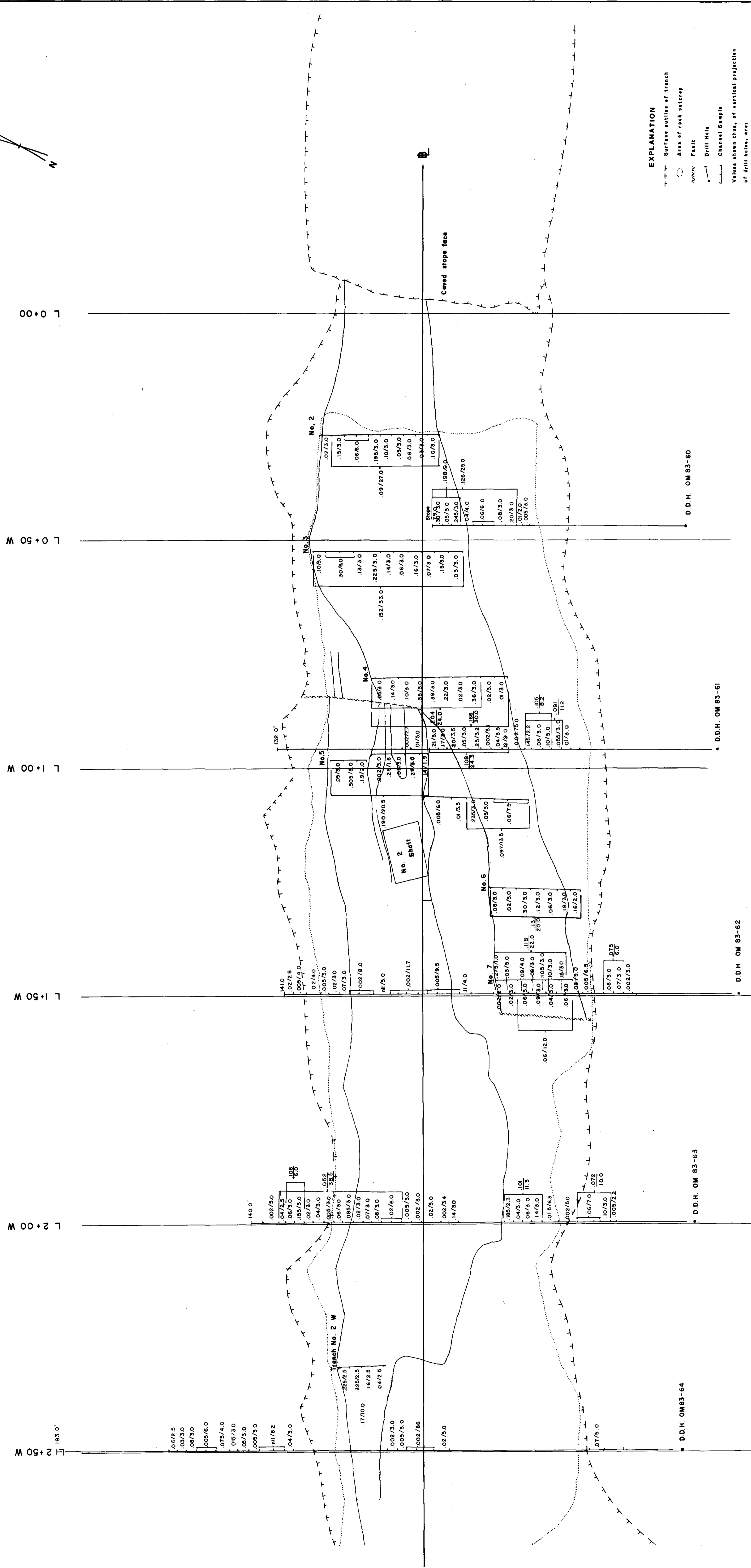
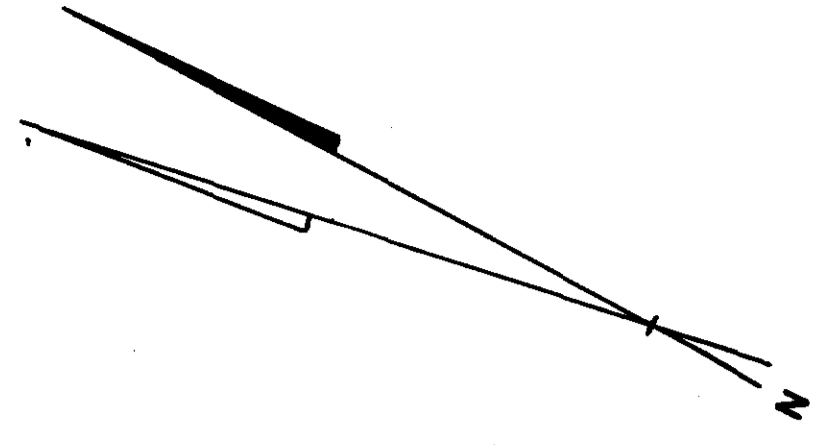
Drawn by: M.M.G.    Drawing No:    Date: December 1983



32D04SE0033 63.4280 MCVITTIE

350

63.4280



**EXPLANATION**

- Surface outline of trench
- Area of rock outcrop
- Fault
- Drill Hole
- Channel Sample

Values shown thru. of vertical projection of drill holes, are:

- .02 Gold in ounce per ton
- 3.0 Core length in feet

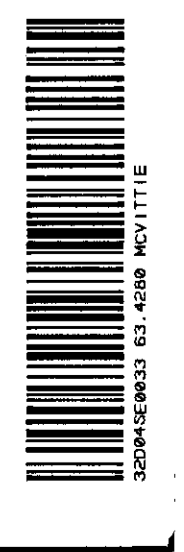
Values shown thru. of channel sampling, are:

- .13 Gold in ounce per ton
- 3.0 Length in feet

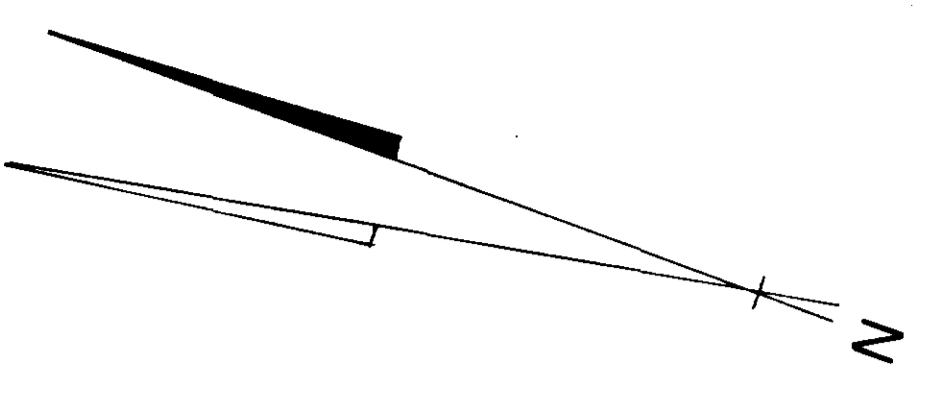
**OMEGA GROUP**  
 SURFACE MAP  
 OF  
 WEST CROWN PILLAR  
 SHOWING CHANNEL SAMPLING  
 AND DRILL HOLE LOCATIONS  
 MCVITTIE TOWNSHIP  
 LARDER LAKE MINING DIVISION  
 DISTRICT OF TIMSKAMING, ONTARIO

Scale: 1 inch to 10 feet

**LENORA EXPLORATION LIMITED**  
 Drawn by: M.M.S. Date: November 1983  
 G. J. HINSE  
 PROFESSIONAL ENGINEER  
 FEBRUARY 1984





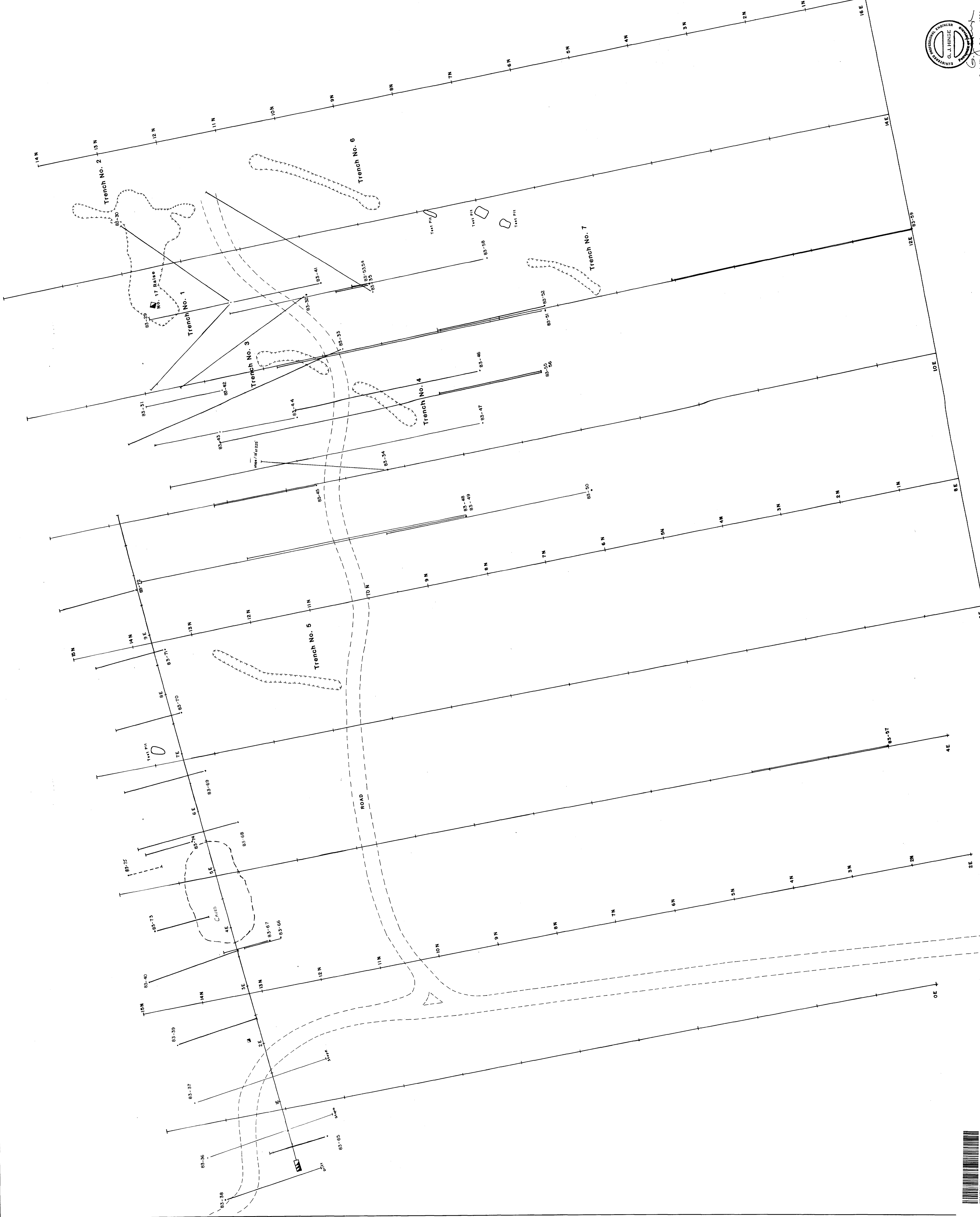
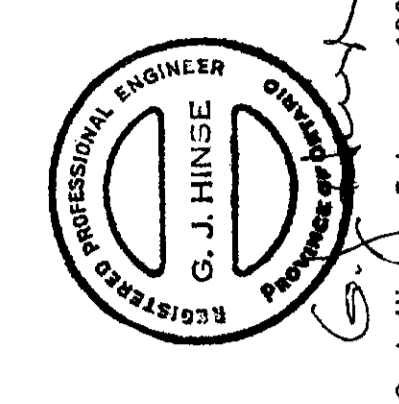


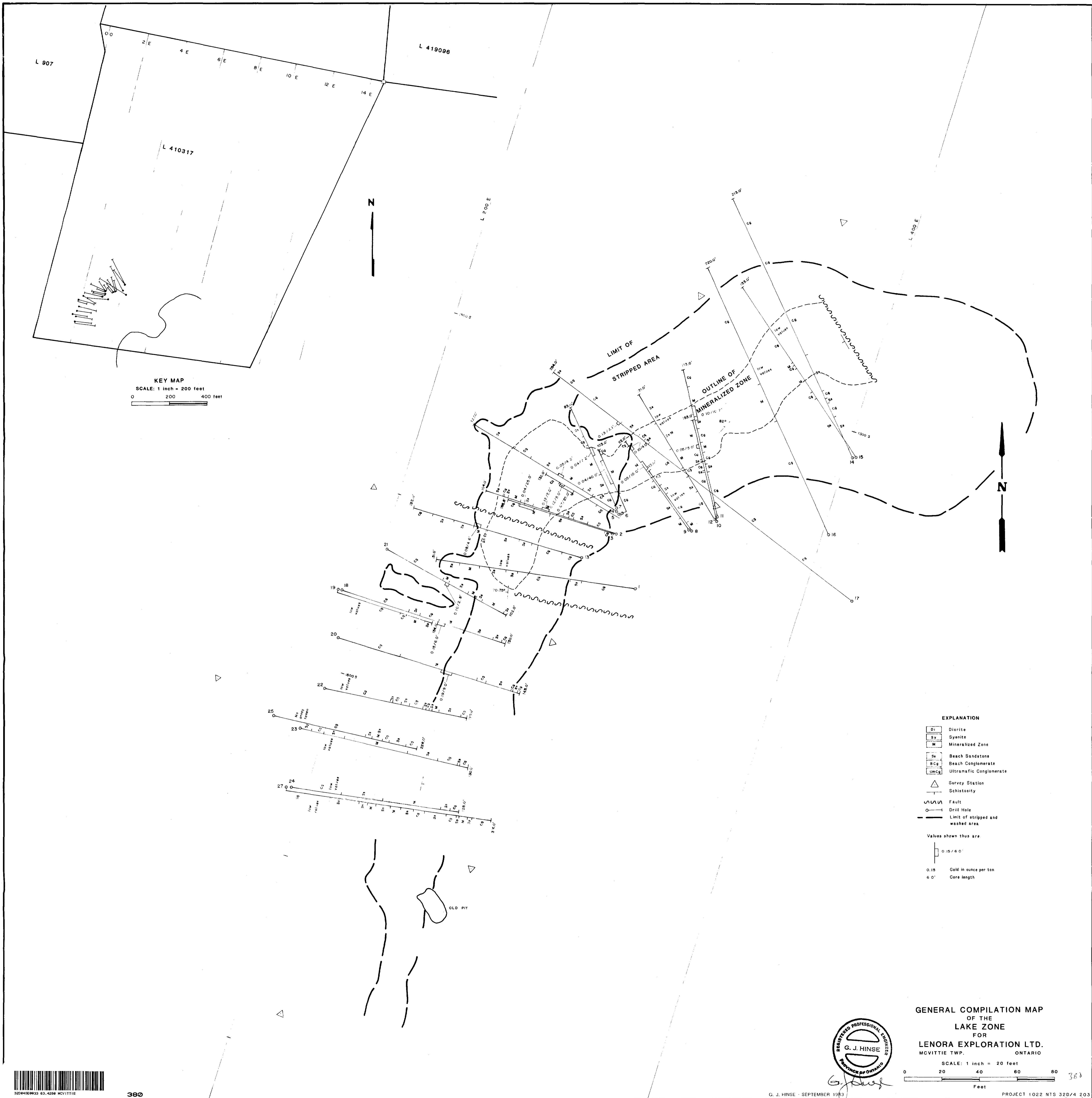
EXPLANATION  
X X Surface outline of trench  
— Drill Hole

OMEGA GROUP  
DRILL HOLE AND  
TRENCH LOCATION MAP  
OF  
NO. 17 ZONE AND  
EAST PILLAR AREA  
MCVITTIE TOWNSHIP  
LARDER LAKE MINING DIVISION  
DISTRICT OF TIMISKAMING, ONTARIO

Scale: 1 inch to 50 feet 370  
0 50 100

Drawing No. 370  
Date: August 1983





KEY MAP  
SCALE: 1 inch = 200 feet  
0 200 400 feet

EXPLANATION

|  |                                   |
|--|-----------------------------------|
|  | Diorite                           |
|  | Syenite                           |
|  | Mineralized Zone                  |
|  | Beach Sandstone                   |
|  | Beach Conglomerate                |
|  | Ultramafic Conglomerate           |
|  | Survey Station                    |
|  | Schistosity                       |
|  | Fault                             |
|  | Drill Hole                        |
|  | Limit of stripped and washed area |

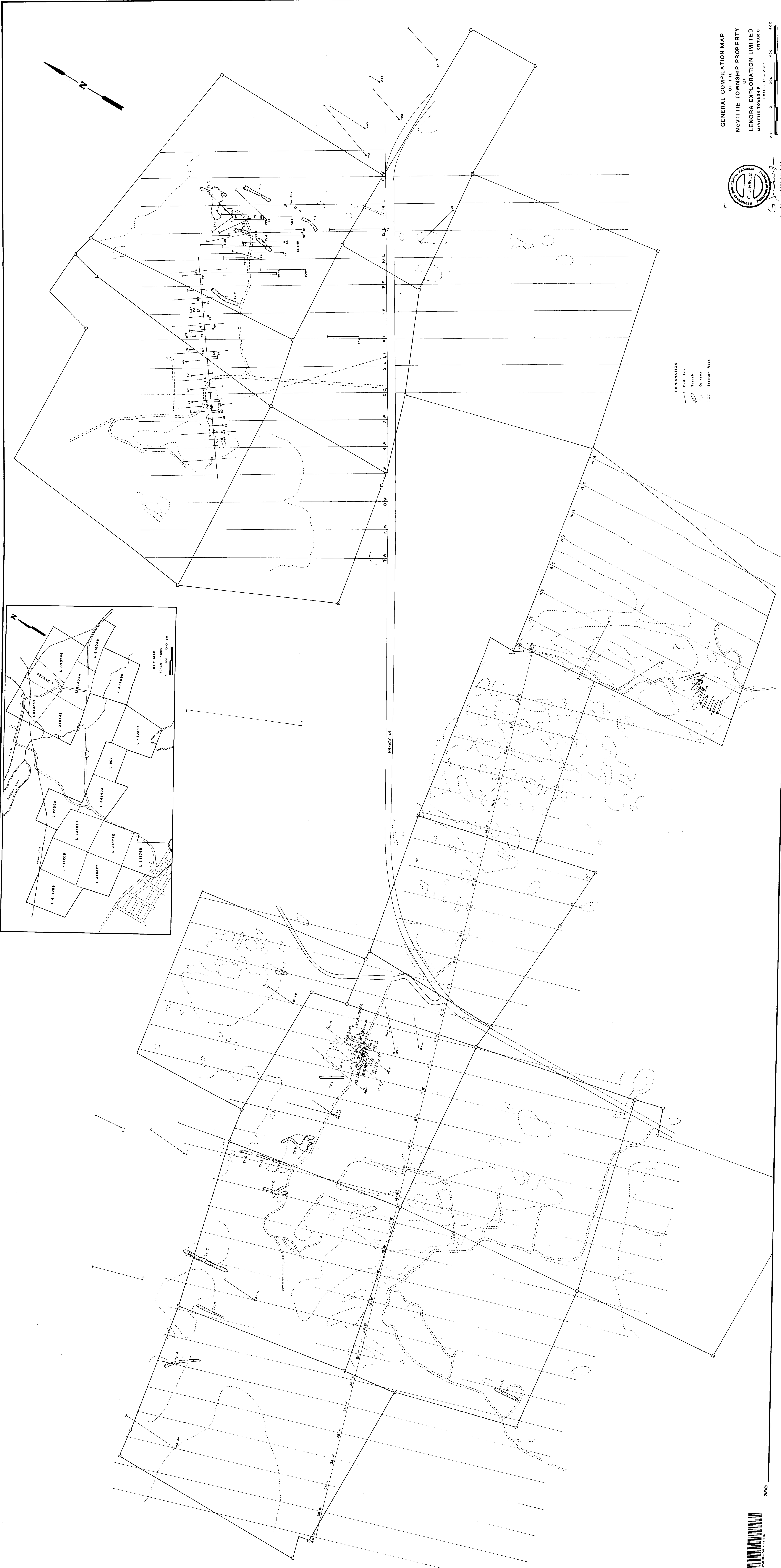
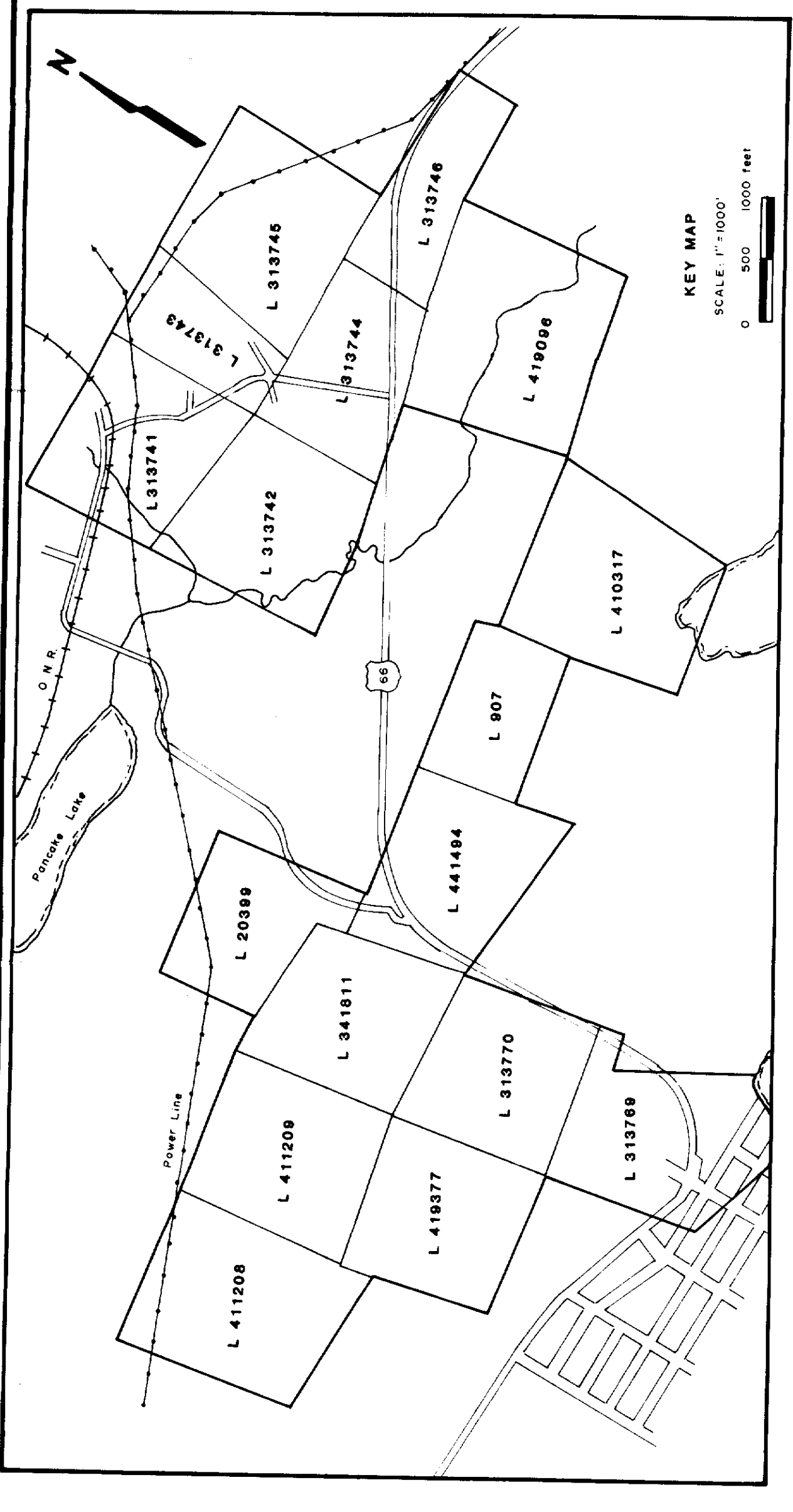
Values shown thus are

|      |                       |
|------|-----------------------|
|      | 0.15 / 6.0'           |
| 0.15 | Gold in ounce per ton |
| 6.0' | Core length           |

GENERAL COMPILATION MAP  
OF THE  
LAKE ZONE  
FOR  
LENORA EXPLORATION LTD.  
MCVITTIE TWP. ONTARIO

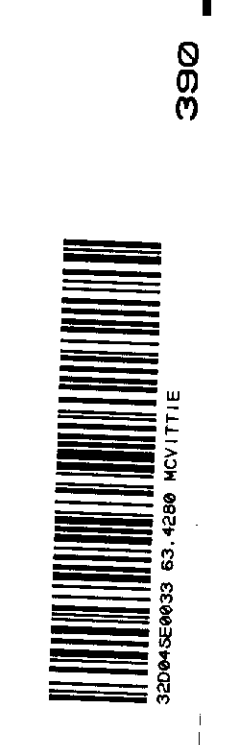
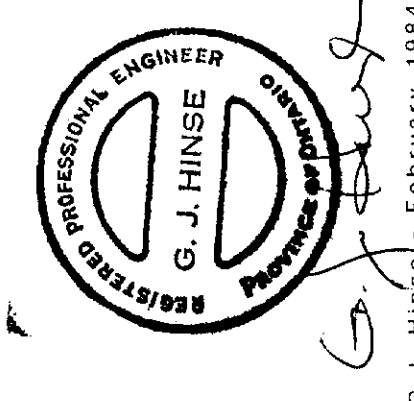
SCALE: 1 inch = 20 feet  
0 20 40 60 80  
Feet

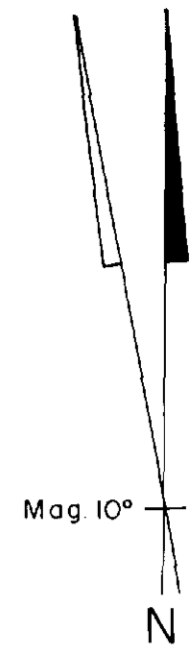
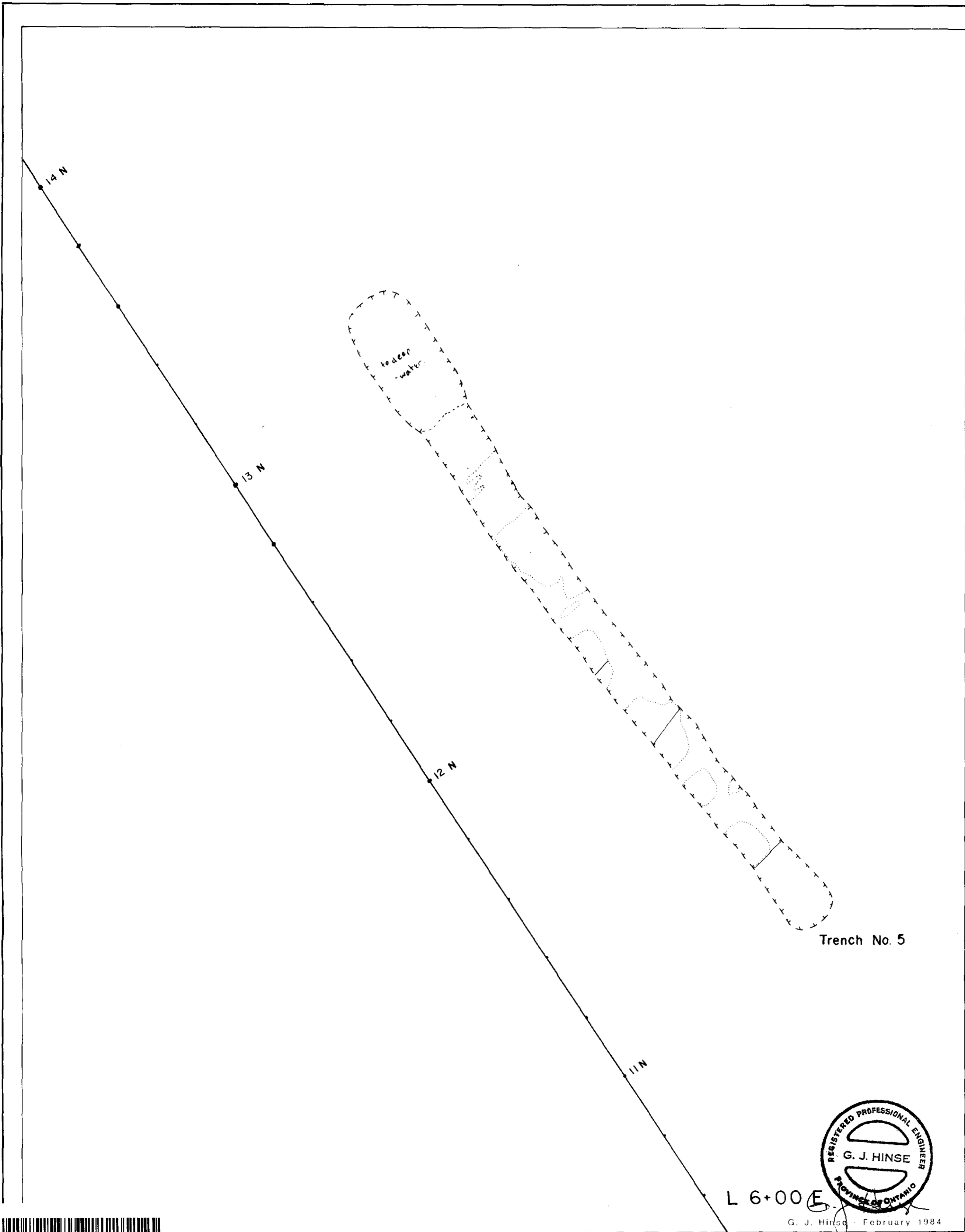




- EXPLANATION
- Drill Hole
  - Trench
  - Outcrop
  - Tractor Road

GENERAL COMPILATION MAP  
OF THE  
McVITTIE TOWNSHIP PROPERTY  
OF  
LENORA EXPLORATION LIMITED  
McVITTIE TOWNSHIP, 101-200' ONTARIO  
SCALE 1" = 200'  
0 200 400 600





**EXPLANATION**  
 T T T Surface outline of trench  
 . . . Area of rock outcrop

Trench No. 5



L 6+00 E

G. J. Hinse February 1984

**OMEGA GROUP**

**TRENCH NO.5 WEST**

MCVITTIE TOWNSHIP  
 LARDER LAKE MINING DIVISION  
 DISTRICT OF TIMISKAMING, ONTARIO



Scale: 1 inch to 20 feet

**LENORA EXPLORATION LIMITED**

Drawn by: M.M.G. Drawing No. Date: September 1983

63.4280



32045E0033 63.4280 MCVITTIE



|  |             |
|--|-------------|
|  | > 1600 Y    |
|  | 1400-1600 Y |
|  | 1200-1400 Y |
|  | 1000-1200 Y |
|  | 800-1000 Y  |
|  | 600-800 Y   |
|  | 400-500 Y   |
|  | 300-400 Y   |
|  | < 300 Y     |

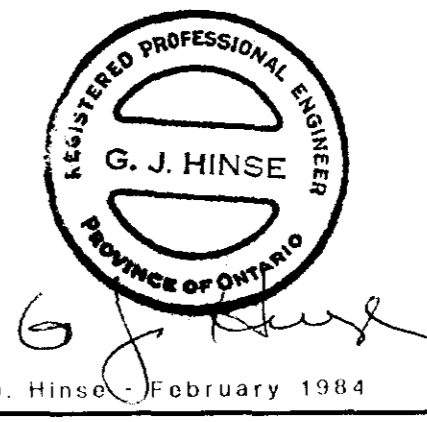
CONTOUR INTERVAL 100 Y  
 CONTOURED BY: MARY GREER

**OMEGA GROUP**  
 GROUND MAGNETOMETER SURVEY  
 McVITTIE TOWNSHIP  
 LARDER LAKE MINING DIVISION  
 DISTRICT OF TIMISKAMING, ONTARIO

Scale: 1 inch to 50 feet

**LENORA EXPLORATION LIMITED**

Drawn by: M.M.G. Drawing No. 63-4280 Date: August 1983



G. J. HINSE February 1984