



42C15SW0006 W9450-00047 ODLUM

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HEMLO GOLD MINES INC.

DIAMOND DRILL REPORT

DAYOHESSARAH PROJECT

Prepared by:

NORANDA EXPLORATION COMPANY, LIMITED
(No Personal Liability)

WEST PRECAMBRIAN DISTRICT

PROJECT NO. 584/592
HEMLO, ONTARIO
APRIL, 1994

ROBERT CALHOUN
SR. PROJECT GEOLOGIST



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1.0 INTRODUCTION

The Dayohessarah project, north of White River, was the subject of an extensive evaluation in the latter part of 1993. This evaluation involved geological, geochemical and geophysical surveys and diamond drilling. A total of 800 meters in six holes, over a strike length of 800 meters was completed in September to test the original Sugar Zone showing area. Notwithstanding on the marginal drill results obtained in 1993 three additional holes were completed in 1994 to evaluate the continuity of the Zone to a vertical depth of -130 meters. In addition, 6 more holes were drilled in January and February 1994 north and south of the original showing area to test targets identified by IP surveys completed in 1993 and January 1994.

The drilling north and south of the original showing failed to locate any significant gold mineralization. The drilling in the original showing area did extend the zones to a vertical depth of -130 meters with no improvement in the grade or width. An interim report of this 1994 work was distributed to all partners in March 1994. Following discussions of first phase results, Gold Giant and Akiko Gold (the Vendors) proposed 4 additional holes in the original showing area to test the Sugar Zone to -250 meters and to better define the Zone near surface (-50 meters). A total of six holes was completed during this phase of drilling with funds provided by Gold Giant and Akiko.

During 1994, 2416m of drilling have been completed in 15 holes, bringing the property total to 3216m in 21 holes.

2.0 LOCATION AND ACCESS

The Dayohessarah greenstone belt is located in Strickland, Odlum and Hambleton townships with the geographic center of the belt approximately 26 km north-northeast of White River and 76 km east of the Hemlo deposits area.

Access to the Hemlo Gold property is by fixed wing aircraft in the summer while access in the winter is by skidoo off of Domtar's 200 series roads south of Dayohessarah Lake.

3.0 CLAIM AND AGREEMENT STATUS

The bulk of the greenstone belt is presently staked with Hemlo Gold Mines holding 294 claims which are presently in good standing. The claims are held by Hemlo under option from Gold Giant Minerals and Akiko Gold Resources.

1994 expenditures to the end of March were \$256,419.71. This brings total expenditures in 1993 and 1994 to \$634,690.02. This amount includes cash payments totalling \$100,000 made to the underlying Vendors (Ternowesky et al) and overhead. Exclusive of the cash payments expenditures total \$534,690.02 of which Hemlo has provided \$499,333.96. \$500,000 in expenditures along with additional cash payments are required for Hemlo to vest at 50%. Gold Giant and Akiko Gold provided a total of \$110,000 to cover the expenditures incurred during the second phase of 1994 drilling. Since drilling was not completed until early April, a final tabulation of expenditures will be made at the end of April.

4.0 DIAMOND DRILLING

Drilling in 1994 was preceded by a 4.25 km IP survey which identified drill targets to the north of the original showing. A report on its results is located in Appendix I. All the 1993 and 1994 drill holes are shown on the enclosed geology plan and all the holes drilled on the Sugar Zone are shown on the longitudinal section. Drill sections for all 1994 holes are also enclosed.

The following discussion of results of diamond drilling will be separated into two parts, 1) north and south of the original showing and 2) the original showing area.

North & South Areas

Six holes were completed, HD94-10, 11, 12, 13 to the south and HD94-14, 15 to the north. South of the original showing, mapping and IP surveys in 1993 located the extension of the Sugar Zone. Gold values to the south along this extension ranged to 13 gpt Au with visible gold in some narrow quartz veins. The IP survey located this zone in areas of overburden suggesting the zone to be continuous to at least to L10000N. Although drilling intersected a sequence of rock units similar to those in the original showing area, no significant gold values were located. Table 1 provides a listing of target locations and results while Appendix II provides detailed logs and assay results.

Drill holes HD94-14, 15 were completed north of the main showing area and were designed to test IP anomalies defined in 1994. These holes intersected pyrite mineralization but no significant gold values. See Table 1 and Appendix II for details.

Original Showing Area

Within the main showing area three drill holes were completed to extend the Sugar Zone to a vertical depth of -150 meters, HD94-7,8,9. These holes intersected the Sugar Zone slightly higher than anticipated due to flattening returning a best value of 2.90 gptAu/5.1m incl. 6.23 gpt/2.3m in hole HD94-7. See Table 1 and Appendix II for details.

The second phase of drilling in 1994 consisted of a six hole program in the original showing area. These holes satisfied two objectives: 1) to further define the Sugar Zone near surface, HD94-17,18,19 at -50m and HD94-21 at -100m; 2) to test for the Sugar Zone at -250 meters, HD94-16 and 20. All holes intersected the Sugar Zone but assays continued to be sub-economic, the best being 3.23 gpt/7.0m incl 5.48 gpt/4.0m in HD94-17. Details of locations and results are found in Table 1 and Appendix II.

5.0 DISCUSSION OF RESULTS

The following discussion will focus on the original showing area classified as extending from L12400N to L13100N. A total of 14 holes have been completed in this area as follows: HD93-1 to 4, 6, HD94-7, 8, 9 and 16 to 21.

The Sugar Zone is described as two zones of altered mafic agglomerates, locally mafic volcanics, porphyry bounded by quartz veins and altered mafic agglomerates/volcanics separated by 20-30 meters of mafic agglomerate/volcanics. Gold values occur in all rock types within the two zones ranging from 10's of ppb's to 117.0 gpt. The following are observations and are not supported by systematic statistical analyses. Increased gold values 1) in the mafic agglomerates are associated with an increase in narrow quartz veins; 2) in quartz veins are associated with increased sphalerite, galena and pyrite content; 3) in porphyry are associated with increased narrow quartz veining which occurs

alteration within the mafics varies in width from 10-20 cm to as much as 2-2.5 meters, and is recognized by bleaching to light green (epidote coloured) carbonate in the matrix and an increase in pyrite and pyrrhotite. The upper zone generally contains the higher gold values.

The Sugar Zone within the original showing area has been found to extend to a vertical depth of -250m in the northern portion and to -130 meters in the southern portion (HD94-16,20 and HD94-9 respectively). The gold values in the Zone vary greatly along strike and vertically from < 1 gpt to a high of 6.79 gpt over 1.8 to 7.0 meters in width. The zone does not show any indication of increasing gold values with depth but is recognizable to -250m. Unfortunately the intersections obtained in the drilling did not show an increase in grade or width along strike or at depth. Little area within the main showing area remains untested and it is becoming increasingly difficult to spot holes which could lead to an economic deposit. Refer to Table 1 and Appendix II for complete drilling details.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of diamond drilling the following conclusions can be drawn.

1) The Sugar Zone consists of two distinct zones separated by 20-30 meters of unmineralized mafic agglomerates.

2) The Sugar Zone is readily recognizable in drill core.

3) Visible gold continues to be restricted to quartz veins containing pyrite, galena and sphalerite, although elevated gold values have been noted in the host porphyries and mafic agglomerates.

4) No significant gold values across appreciable widths were located north or south of the original showing area.

5) IP responses were found to be caused by varying amounts of pyrite and/or pyrrhotite.

6) Within the original showing area little ground remains untested which could contain an economic ore deposit.

7) The Sugar Zone intercepts do not show any significant increase in grade or width with depth.

Pursuant to conclusions 6) and 7) above it is recommended that Hemlo Gold Inc. return the optioned ground to the vendors Gold Giant and Akiko Gold on or before the next payment date of June 1, 1994. All drilling will be filed for assessment to retain the claims in good standing for at least 6 months beyond that date, as required under terms of the Option Agreement.

Respectfully submitted,

NORANDA EXPLORATION COMPANY, LIMITED
(No Personal Liability)

Robert Calhoun
Sr. Project Geologist
West Precambrian District



FOR

Hemlo, Ontario
April, 1994

TABLE 1

DIAMOND DRILL HOLE SUMMARIES

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TABLE 1

DIAMOND DRILL HOLE SUMMARY - Dayohessarah Project

NORANDA EXPLORATION COMPANY LIMITED
(no personal liability)

HOLE NUMBER : HD-7
LOCATION : 12945N/9945E; 75m south, 90m west of post #1
1182994
AZIMUTH : 050 deg
DIP : -70.5 deg
DEPTH : 180 meters
CASING : 3 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12600N/11000E
DATE STARTED : JAN 25,1994
DATE COMPLETED: JAN 27,1994

HOLE NUMBER : HD-8
LOCATION : 12865N/9870E; 190m south, 90m west of post #1
1182994
AZIMUTH : 050 deg
DIP : -54 deg
DEPTH : 213 meters
CASING : 3 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12600N/11000E
DATE STARTED : JAN 28,1994
DATE COMPLETED: JAN 30,1994

HOLE NUMBER : HD-9
LOCATION : 12400N/9883E; 215m south, 30m west of post #1
1135499
AZIMUTH : 050 deg
DIP : -72 deg
DEPTH : 204 meters
CASING : 3 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12600N/11000E
DATE STARTED : JAN 31,1994
DATE COMPLETED: FEB 02,1994

(2)

HOLE NUMBER : HD-10
LOCATION : 11800N/9785E; 70m north, 20m west of post #2
1069355
AZIMUTH : 050 deg
DIP : -46 deg
DEPTH : 107 meters
CASING : 3 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12600N/11000E
DATE STARTED : FEB 03,1994
DATE COMPLETED: FEB 04,1994

HOLE NUMBER : HD-11
LOCATION : 11600N/9900E; 15m south, 200m east of post #4
1069367
AZIMUTH : 050 deg
DIP : -46 deg
DEPTH : 75 meters
CASING : 6 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12600N/11000E
DATE STARTED : FEB 04,1994
DATE COMPLETED: FEB 05,1994

HOLE NUMBER : HD-12
LOCATION : 11000N/9490E; 110m south, 170m east of post #4
1069370
AZIMUTH : 050 deg
DIP : -46 deg
DEPTH : 123 meters
CASING : 3 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12600N/11000E
DATE STARTED : FEB 06,1994
DATE COMPLETED: FEB 07,1994

(3)

HOLE NUMBER : HD-13
LOCATION : 10370N/9230E; 10m north, 10m west of post #2
1043809
AZIMUTH : 052 deg
DIP : -46 deg
DEPTH : 120 meters
CASING : 6 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12600N/11000E
DATE STARTED : FEB 08,1994
DATE COMPLETED: FEB 09,1994

HOLE NUMBER : HD-14
LOCATION : 13400N/9950E; 60m north, 20m west of post #2
1069340
AZIMUTH : 050 deg
DIP : -46 deg
DEPTH : 75 meters
CASING : 3 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12600N/11000E
DATE STARTED : FEB 09,1994
DATE COMPLETED: FEB 10,1994

HOLE NUMBER : HD-15
LOCATION : 15800N/9910E; 145m north, 10m west of post #2
1055520
AZIMUTH : 050 deg
DIP : -46
DEPTH : 206 meters
CASING : 6 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12600N/11000E
DATE STARTED : FEB 11,1994
DATE COMPLETED: Feb 12,1994

(4)

HOLE NUMBER : HD-16
LOCATION : 12975N/9825E; 140m south, 135m east of post #4
1182994
AZIMUTH : 050 deg
DIP : -70 deg
DEPTH : 306 meters
CASING : 3 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12900N/9925E
DATE STARTED : MAR 28,1994
DATE COMPLETED: MAR 31,1994

HOLE NUMBER : HD-17
LOCATION : 13000N/9980E; 10m south, 100m west of post #1
1182994
AZIMUTH : 050 deg
DIP : -55 deg
DEPTH : 114 meters
CASING : 3 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12900N/9925E
DATE STARTED : MAR 31,1994
DATE COMPLETED: APR 01,1994

HOLE NUMBER : HD-18
LOCATION : 12910N/9970E; 85m south, 50m west of post #1
1182994
AZIMUTH : 050 deg
DIP : -55 deg
DEPTH : 120 meters
CASING : 3 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12900N/9925E
DATE STARTED : APR 02,1994
DATE COMPLETED: APR 04,1994

(5)

HOLE NUMBER : HD-19
LOCATION : 13050N/9980E; 25m north, 130m west of post #2
1069347
AZIMUTH : 050 deg
DIP : -45 deg
DEPTH : 99 meters
CASING : 3 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12900N/9925E
DATE STARTED : APR 04,1994
DATE COMPLETED: APR 05,1994

HOLE NUMBER : HD-20
LOCATION : 13050N/9825E; 80m south, 90m east of post #4
1182994
AZIMUTH : 050 deg
DIP : -70 deg
DEPTH : 309 meters
CASING : 6 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12900N/9925E
DATE STARTED : APR 05,1994
DATE COMPLETED: APR 07,1994

HOLE NUMBER : HD-21
LOCATION : 13025N/9940E; 20m south, 145m west of post #1
1182994
AZIMUTH : 050 deg
DIP : -71 deg
DEPTH : 165 meters
CASING : 3 meters
CORE SIZE : NQ
CONTRACTOR : Chibougamau Diamond Drilling
CORE STORAGE : 12900N/9925E
DATE STARTED : APR 08,1994
DATE COMPLETED: Apr 10,1994

Author,

Robert Calhoun
Senior Project Geologist

APPENDIX 11
DRILL LOGS AND ASSAYS

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-7
 Collar Eastings: 9945.00
 Collar Northings: 12945.00
 Collar Elevation: 4970.00

Date: 01/28/94
 Logged by: R.C.
 Collar Inclination: -70.00
 Grid Bearing: 90.00
 Final Depth: 180.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	3.8	(Overburden)
3.8	12.1	(Mafic Agglomerate) - fine grained, medium to dark green, chloritic matrix, hosting fragments to 1.5 cm light green, unit banded at 50 degrees to c.a.
12.1	35.1	(Diabase) - fine grained, medium to dark grey, minor diabasic texture, 50 degrees to c.a., upper lower contacts. Slightly coarser grained through the center, 29.5-33.0.
35.1	40.0	(Mafic Agglomerate) - as above decrease in fragment size and abundance.
40.0	42.85	(Mafic Volcanic) - fine grained, dark green, soft chloritic matrix, unit is layered foliated at 48 degrees to c.a. accentuated with hornblende laths along foliation planes.
42.85	53.6	(Mafic Agglomerate) - fine grained dark green, chloritic matrix, hosting fine grained, light green fragments at 52 degrees to c.a.
53.6	58.7	(Mafic Volcanic) - as above, banded foliated at 54 degrees to c.a.
58.7	77.7	(Mafic Agglomerate) - fine grained, medium to dark green chloritic matrix hosting fine grained, light green fragments and medium grey fragments cherty in nature with fine hornblende and infrequent fine grained biotite aggregates. Locally small to 3 mm garnets occur very infrequent, 60.0-64.5m, associated with increase in biotite layers, small infrequent qtz veining, up to 2 cm calcite veining, random to parallel foliation. 72.0 75.3 garnets in infrequent layers with hornblende biotite banding 54 degrees to c.a.
77.7	101.7	(Mafic Volcanic) - fine to medium grained, dark green with local sections, medium green, chloritic matrix hosting calcite nodules locally; small biotite rich veinlets or layers parallel to foliation; unit is layered locally widely spaced. Quartz veining is

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DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-7

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FROM	TO	LITHOLOGICAL DESCRIPTION
		generally white to clear <3 cm "bull" quartz no mineralization greater than 1.5 meter spacings.
	78.58 79.65	porphyry; fine to medium grained, medium grey to dark grey with brownish tinge probably biotite in matrix at 56 degrees to c.a. Contact with mafics sharp with minor colour change lightening of mafics for .5 cm from contact. Porphyry has small less than .5 cm feldspar rich bands parallel to foliation with hornblende crystals, giving a speckled appearance.
	84.4 84.55	mafic volcanic with small quartz vein with minor calcite veining. Quartz 50% of section.
	84.55 85.4	porphyry-fine grained, medium grey to grey brown tinged lighter than above porphyry, very minor mineralization as fine pyrite possible pyrrhotite. Unit again has white feldspar rich layers with hornblende. Contacts at 55 degrees upper; 70 degrees lower, small internal quartz veinlets 2 mm in width.
	97.0 101.7	mafic volcanic unit becomes increasingly biotitic in layers are aggregates, minor pyrrhotite in matrix, <1%.
101.7	120.1	(Mafic Agglomerate) - fine to medium grained, matrix hosting light green fragments. Minor quartz veining minor sulphides mainly pyrrhotite. Fragments increasing downhole.
	101.7 101.8	50% quartz veining with 10% pyrrhotite, biotite 2% at 58 degrees to c.a.
	115.3 116.8	feldspar +/- qtz porphyry-medium grained feldspar porphyry, medium grey matrix with feldspar phenocrysts to 2-3 mm, possible small quartz eyes, unit contains whitish bands of feldspar with small hornblende crystals, nil to minor pyrite, pyrrhotite.
	119.0 120.1	banded mafic agglomerate narrowly; biotite, carbonate, minor quartz veining at 46 degrees to c.a., minor pyrite, pyrrhotite associated with small dark grey qtz veins, <1 cm in width.
120.1	122.6	(Porphyry) - fine grained, light to medium grey, medium hard, foliated at 47 degrees to c.a., minor calcite veinlets or fracture fillings minor sulphides to 2% as pyrite, pyrrhotite finely disseminated
	120.8 121.3	quartz vein; dark grey, well mineralized with pyrite, pyrrhotite, sphalerite as fine veinlets, galena occurs at small disseminations minor. Visible gold occurs as less than 0.08 cm flakes at least 3 grains noted. Sulphides 15-20%.
	121.3 122.6	porphyry as stated above with 10% qtz veining

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DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-7

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FROM	TO	LITHOLOGICAL DESCRIPTION
		minor sulphides.
122.6	124.1	(Altered Mafic Agglomerate) - as 119-120.1 above-sulphides minor to 1% minor muscovite.
124.1	151.0	(Mafic Agglomerate) - fine grained, medium to dark green, hosting light green to greyish fragments stretched flattened, locally highly biotitic in small veinlets <1 cm and aggregates, qtz veining is generally <1 cm every 1-2m calcite veining. Banded locally moderate spacing .2m at 42 degrees to c.a. 128.0 128.3 quartz vein light greyish white highly fractured barren. 128.3 129.2 fine medium grey porphyry no sulphides at 46 degrees to c.a. lower contact. Porphyry appears altered with white feldspar rich layers. 129.2 150.2 mafic agglomerate with 40% fragments to 10 cm wide light green grey minor infrequent "bull quartz" veining <1 cm in width every 1-2m, local calcite disseminations nodules and infrequent veinlets. 2 cm qtz vein grey at 146m. 150.2 151.0 mixed sequence of altered agglomerate and porphyry with vein of feldspar and qtz white over 15 cm. Small qtz veins occur <1 cm infrequent.
151.0	151.65	(Qtz Vein) - medium grey, fractured quartz with 10% agglomerate 5% pyrite and pyrrhotite with possible sphalerite.
151.65	152.8	(Porphyry) - medium to dark grey, medium grained feldspar +/- quartz porphyry, minor fine sulphides.
152.8	153.6	(Qtz Vein) - medium grey quartz with 20% agglomerate, altered calcite, biotite, mineralized 15% with pyrite pyrrhotite, sphalerite possible galena, foliated 60 degrees to c.a.
153.6	155.2	(Feldspar +/- Quartz Porphyry) - medium grey, medium grained, porphyry hosting white feldspar phenocrysts with small infrequent dark grey quartz phenos, small patches of white feldspar with small hornblende crystals, nil sulphides.
155.2	180.0	(Mafic Agglomerate) - medium to dark green, fine grained chloritic matrix hosting fragments of light green mafic volcanic, small infrequent

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DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-7

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FROM TO LITHOLOGICAL DESCRIPTION

quartz veins with less frequent calcite veinlets. Small dykes of fine grained light to medium grey porphyry with white feldspar patches and small bands. As at 158.9-159.4. Foliated at 58 degrees to c.a.

180.0 END OF HOLE

1994/2/24

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Page 1

SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-7

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FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	3.80		CASING/OVERBURDEN
3.80	12.10	50	MAFIC AGGLOMERATE
12.10	35.10	50	DIABASE
35.10	40.00	50	MAFIC AGGLOMERATE
40.00	42.85	48	MAFIC VOLCANIC
42.85	53.60	54	MAFIC AGGLOMERATE
53.60	58.70	54	MAFIC VOLCANIC
58.70	77.70	54	MAFIC AGGLOMERATE
77.70	101.70	55	MAFIC VOLCANIC
101.70	120.10	47	MAFIC AGGLOMERATE
120.10	122.60	47	PORPHYRY
122.60	124.10	42	ALTERED MAFIC AGGLOMERATE
124.10	151.00	42	MAFIC AGGLOMERATE
151.00	151.65	60	QUARTZ VEIN
151.65	152.80	42	PORPHYRY
152.80	153.60	60	QUARTZ VEIN
153.60	155.20	58	FELDSPAR +/- QUARTZ PORPHYRY
155.20	180.00	58	MAFIC AGGLOMERATE

1994/2/24

** BORSURV **

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ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-7

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FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
84.40	85.40	1.00	1	N.A.	5.000
101.70	101.80	0.10	2	N.A.	15.000
115.30	115.90	0.60	3	N.A.	5.000
115.90	116.80	0.90	4	N.A.	5.000
116.80	118.00	1.20	22	N.A.	7.000
118.00	119.00	1.00	23	N.A.	87.000
119.00	120.10	1.10	5	6.517	6517.000
120.10	120.80	0.70	6	0.017	174.000
120.80	121.30	0.50	7	14.066	14066.000
121.30	121.95	0.65	8	0.201	201.000
121.95	122.60	0.65	9	0.069	69.000
122.60	123.30	0.70	10	0.191	191.000
123.30	124.10	0.80	11	0.196	196.000
124.10	124.70	0.60	12	0.032	32.000
128.00	128.30	0.30	13	0.019	19.000
128.30	129.20	0.90	14	0.017	17.000
150.20	151.00	0.80	15	0.202	202.000
151.00	151.65	0.65	16	6.403	6403.000
151.65	152.40	0.75	17	1.026	1026.000
152.40	152.80	0.40	18	1.364	1364.000
152.80	153.60	0.80	19	7.709	7709.000
153.60	154.60	1.00	20	0.021	21.000
154.60	155.20	0.60	21	0.025	25.000

** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESSARAH
HOLE NO: D-7
GRID: MAIN

DATE: 01/28/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

COMMENTS:
GRID AZIMUTH 050 DEG

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DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-70.00	90.00	9945.00	12945.00	4970.00
50.00	-66.00	90.00	9963.73	12945.00	4923.64
100.00	-61.00	88.00	9986.04	12945.39	4878.89
180.00	-56.00	85.00	10027.76	12947.94	4810.68

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-8
 Collar Eastings: 9870.00
 Collar Northings: 12865.00
 Collar Elevation: 4966.00

Date: 01/30/94
 Logged by: R.C.
 Collar Inclination: -54.00
 Grid Bearing: 90.00
 Final Depth: 213.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	3.0	(Casing)
3.0	91.90	(Mafic Agglomerate) - fine grained, medium to dark green, chloritic matrix, hosting light green to medium green infrequently greyish fragments to 3 cm wide; fragments frequency consistent over section. Local white feldspar pegmatitic bands as at 21.6m. Foliation and alignment of fragments at 58 degrees to 62 degrees to c.a., sulphides are nil to very minor 12.0 15.0 fractured, rusty possibly weakly mineralized 15.0 27.3 frequent bands of garnet rich material, possibly at fragment edges spaced at .2 to .6m. 27.2 28.5 feldspar +/- quartz porphyry medium grey, med grained with numerous white feldspar phenocrysts, small infrequent grey quartz eyes quartz vein fractured 27.5-27.7 no mineralization 28.5 45.1 frequent chlorite hornblende garnet layers, .1 to .4m spacings at 62 degrees to c.a. These layers give the appearance of pillow selvages. Light green fragments continue. Biotite becomes present towards bottom of section, small infrequent bull white quartz veins < 2 cm in width. 45.6 91.9 mafic agglomerate continues with fragments decreasing in frequency, unit is faultly consistent with infrequent quartz veins, calcite veinlets and local pegmatitic bands-white. 78.65 79.0 small diabase dyke porphyritic with large feldspar porphyroblasts-yellow/green at 65 degrees to c.a., upper contact, lower distorted; lower portion of unit increasing in garnet, biotite layers at 62 degrees to c.a. at 87m. 79.6 80.55 feldspar porphyry with abundant white feldspars no sulphides or quartz veining.
91.9	124.5	(Mafic Volcanic) - fine grained to locally medium grained, biotitic, hornblende rich, soft chloritic matrix hosting infrequent quartz veinlets calcite veinlets locally abundant and calcite disseminated locally in matrix; local bands of garnet rich material narrow < 2 cm. 106.8 107.5 porphyritic diabase as above at 42 degrees to c.a. 112.6 114.0 porphyry; fine grained, light grey, feldspar porphyry-white abundant feldspars with local white feldspar

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-8

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION
		patches, minor pyrite, sulphides (<5% as fine disseminations. Mafic volcanic narrowly banded 30 cm above and 10 cm below porphyry; garnet/calcite biotite in bands, minor pyrrhotite 114.0 124.5 volcanic becomes increasingly coarser grained towards end of section, hornblende grains larger.
124.5	148.9	(Diabase) - medium grained, medium grey-brown, highly fractured locally crushed; unit locally contains porphyroblasts of feldspars epidote to 0.5 cm light greenish, upper contact at 40 degrees to c.a., lower at 46 degrees to c.a., moderately magnetic.
148.9	183.1	(Mafic Agglomerate) - fine to medium grained, medium to dark green, chloritic matrix hosting light green fragments; fragments varying in abundance locally giving unit a banded appearance. Local calcite rich banding with hornblende biotite. Mineralization nil to minor fine pyrite locally. 149.1 149.4 porphyry-medium grained, medium grey with feldspar phenocrysts white-no mineralization. 158.4 159.1 porphyry-fine grained light grey hosting minor feldspar phenocrysts stretched along foliation with biotite on foliation, minor mineralization as fine pyrite. Foliation/contacts at 61 degrees to c.a. 159.6 160.1 porphyry; as 158.4-159.1 at 61 degrees to c.a. mafic agglomerate separates porphyry 160.1 178.2 mafic agglomerate increased fragments locally appears banded with small layers rich in garnets, hornblende and biotite. Foliated at 63 degrees to c.a. 178.2 178.5 porphyry-fine grained light grey, minor sulphides-fine pyrite; biotite along foliations at 63 degrees to c.a., white feldspar alteration at both contacts. 179.6 180.3 Porphyry-as above with 3 cm white quartz vein at 180.0; minor sulphides. Minor agglomerate between porphyries has patches of garnets, .5 cm in size 180.3 183.1 mafic volcanic; dark green fine grained
183.1	185.7	(Porphyry) - fine grained to 183.85 medium grained below, light grey, massive in fine section, light to medium grey in medium grained section with white feldspars and biotite along foliation at 66 degrees to c.a., weakly mineralized with pyrite minor galena with small 8 cm qtz vein at 187.2
185.7	187.0	(Altered Mafic Agglomerate) - fine grained, medium to dark green to light epidote coloured

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-8

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FROM	TO	LITHOLOGICAL DESCRIPTION
		green with calcite biotite minor small qtz veins with pyrite possible galena, sulphides 10% py, po
187.0	187.7	(Porphyry) - fine grained, light grey, weakly mineralized with pyrite, minor biotite, massive with bands of white feldspar alteration with hornblende
187.7	189.75	(Mafic Agglomerate/Porphyry) - mafic as above with dykes of porphyry at 187.9-188.2, medium grained with white feldspar phenocrysts; 189.3-189.75, fine grained, light grey, white feldspar alteration minor sulphides
189.75	213.0	(Mafic Agglomerate) - fine grained, dark green chloritic matrix with biotite, foliated at 63 degrees to c.a., fragments locally abundant generally widely spaced. Local calcite veinlets, minor white qtz veining. 195.2 195.75 porphyry, fine grained with white feldspar phenocrysts and white feldspar alteration patches with minor hornblende/biotite 202.9 203.9 porphyry; light grey, fine to medium grained with minor mineralization, pyrite. Local white feldspar alteration patches with white feldspar phenocrysts. Upper contact 88 degrees, lower contorted. 208.0 210.0 mafic agglomerate becomes well banded with calcite, locally quartz veinlets and garnet layers, 70 degrees to c.a.
	213.0	END OF HOLE

1994/2/24

** BORSURV **

Page 1

SUMMARY LITHO LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-8

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FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	3.00		CASING
3.00	91.90		MAFIC AGGLOMERATE
91.90	124.50		MAFIC VOCANIC
124.50	148.90		DIABASE
148.90	183.10		MAFIC AGGLOMERATE
183.10	185.70		PORPHYRY
185.70	187.00		ALTERED MAFIC AGGLOMERATE
187.00	187.70		PORPHYRY
187.70	189.75		MAFIC AGGLOMERATE/PORPHYRY
189.75	213.00		MAFIC AGGLOMERATE

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** BORSURV **

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ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-8

FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
112.60	113.30	0.70	1	N.A.	5.000
113.30	114.00	0.70	2	N.A.	5.000
158.40	159.30	0.90	3	N.A.	5.000
159.30	160.10	0.80	4	N.A.	7.000
179.60	180.30	0.70	5	N.A.	9.000
183.10	183.85	0.75	6	N.A.	30.000
183.85	184.70	0.85	7	N.A.	20.000
184.70	185.70	1.00	8	1.727	1727.000
185.70	187.00	1.30	9	N.A.	216.000
187.00	187.70	0.70	10	N.A.	13.000
187.70	188.20	0.50	11	N.A.	13.000
188.20	189.30	1.10	12	N.A.	8.000
189.30	189.75	0.45	13	N.A.	18.000
189.75	190.50	0.75	14	N.A.	11.000
195.20	195.75	0.55	15	N.A.	5.000
202.90	203.90	1.00	16	N.A.	7.000

** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESARAH
HOLE NO: D-8
GRID: MAIN

DATE: 01/30/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

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DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-54.00	90.00	9870.00	12865.00	4966.00
51.00	-50.00	90.00	9901.40	12865.00	4925.81
102.00	-48.00	89.00	9934.86	12865.29	4887.32
150.00	-44.00	88.00	9968.19	12866.16	4852.79
213.00	-42.00	86.00	10014.20	12868.58	4809.83

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-9
 Collar Eastings: 9883.00
 Collar Northings: 12400.00
 Collar Elevation: 4989.00

Date: 31/01/94
 Logged by: R.C.
 Collar Inclination: -72.00
 Grid Bearing: 90.00
 Final Depth: 204.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	2.6	(Overburden) - casing to 3m.
2.6	3.9	(Porphyry) - medium grey, medium grained porphyry with white feldspar phenocrysts, nil sulphides.
3.9	7.4	(Mafic Volcanic) - fine grained, medium to dark green matrix with chlorite nodules stretched along foliation at 41 degrees to c.a., infrequent small, 2 mm calcite veinlets on foliation and minor disseminated calcite in matrix.
7.4	48.9	(Mafic Agglomerate) - fine grained, medium to dark green chloritic soft matrix, hosting light green fragments to 3-4 cm wide generally with local light grey fine porphyry fragments, <2 cm wide. Foliation varies down section from 41-43 degrees. Local bands or aggregates of biotite, hornblende .4 cm wide widely distributed throughout the section. Locally garnets occur within these bands which look like pillow selvages. 35.0 35.5 pegmatitic band subparallel to c.a. 47.3 47.4 small veinlets of pyrrhotite, minor pyrite and very minor chalcopryrite.
48.9	65.9	(Mafic Volcanic) - fine grained, with chlorite biotite clots giving medium to coarse grained appearance, medium to dark green soft matrix. Local calcite veinlets very small 2 mm, locally disseminated calcite in matrix. Quartz veining infrequent white 80 degrees to c.a. Locally pyrrhotite occurs as small veinlets very infrequent. Foliated at 46 degrees to c.a. 54.0 54.3 porphyry, fine grained feldspar quartz porphyry with sericite minor sulphide-pyrite. 59.75 59.85 pyrrhotite veinlets-10% po, minor chalcopryrite. Veinlets <1 mm wide. 59.85 60.6 porphyry fine grained light grey with white feldspar patches foliated 55 degrees to c.a. Small inclusion of mafic at 60.55 with pyrrhotite. 60.6 60.7 pyrrhotite veinlets-one vein to 3 cm with chalcopryrite. Pyrrhotite rich mafic and porphyry taken as one sample 59.75-60.7. 65.1 65.9 porphyry as above 56 degrees to c.a., minor

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-9

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FROM	TO	LITHOLOGICAL DESCRIPTION
		<p>sulphides.</p> <p>(Mafic Agglomerate)</p> <p>- fine grained, dark green matrix hosting numerous light green and light grey fragments to 3 cm. Foliated at 56 degrees to c.a.</p> <p>76.45 76.90 porphyry, fine grained, light grey minor sulphides up contact contorted, lower at 48 degrees to c.a.</p> <p>87.45 - small veinlet of pyrrhotite.</p> <p>88.4 89.2 porphyry fine grained, light grey, 61 degrees to c.a., brownish tinge, biotite with white feldspars alteration patches.</p> <p>89.2 110.8 mafic agglomerate light green fragments to 3 cm foliation at 56 degrees, minor quartz veins, <3 cm.</p>
110.8	117.1	<p>(Porphyry)</p> <p>- fine grained, medium grey, dark grey in upper section, lighter towards end of section, white feldspar alteration patches. Weakly mineralized minor qtz veining.</p> <p>112.6 113.7 moderately altered mafic agglomerate with 10% quartz veining, 5% pyrite, pyrrhotite, calcite, biotite. Foliated at 58 degrees to c.a.</p> <p>114.2 114.5 quartz vein pyrrhotite, 1%.</p> <p>116.2 116.4 weakly altered mafic agglomerate, minor sulphides.</p>
117.1	145.8	<p>(Mafic Agglomerate)</p> <p>- fine grained, medium to dark green chloritic matrix hosting fragments to 4 cm mainly light green. Locally light grey, possible felsic. Infrequent white quartz veins to 5 cm unmineralized. Bands or aggregates of hornblende chlorite probable biotite along foliations appearing like pillow selvages.</p> <p>132.4 133.25 porphyry, fine grained, light grey, minor sulphide locally 1% with small white quartz veining, <5% of section.</p> <p>142.8 143.7 porphyry, as above at 60 degrees to c.a.</p>
145.8	151.4	<p>(Altered Mafic Agglomerate)</p> <p>- fine to medium grained, medium green with light green patches. Calcite, garnets and biotite along foliations at 56 degrees to c.a. Mineralization as pyrite pyrrhotite <5% with 10% dark grey quartz veinlets 1 cm with pyrite, pyrrhotite, possible chalcopyrite. Local quartz veins to 5 cm as at 148.5. Unit is well foliated especially toward bottom of section, layered.</p>

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-9

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FROM	TO	LITHOLOGICAL DESCRIPTION
151.4	152.4	(Porphyry) - fine to medium grained, dark grey with sericite calcite and pyrite, pyrrhotite. Sulphides are <3%.
152.4	153.25	(Quartz Vein) - white to dark grey quartz with calcite sericite and minor porphyry. Mineralized with pyrite pyrrhotite locally chalcopyrite, sphalerite, galena and visible gold, 3 flecks noted.
153.25	153.6	(Altered Mafic Agglomerate) - fine grained, medium to dark green with light green layering. Pyrite pyrrhotite 1% minor quartz, small calcite veinlets.
153.0	162.35	(Mafic Agglomerate) - fine grained, medium to dark green with fragments to 5 cm light green, small calcite veinlets minor quartz, biotitic foliated at 58 degrees to c.a. 162.0 162.35 altered, calcite biotite, garnets, <1% pyrite pyrrhotite.
162.35	163.0	(Porphyry) - fine to medium grained, light grey with white feldspar phenocrysts, sericite, calcite. Pyrite pyrrhotite <1%.
163.0	165.05	(Altered Mafic Agglomerate) - fine grained, medium to dark green, weakly to moderately altered, calcite biotite with minor pyrite pyrrhotite.
165.05	165.35	(Porphyry) - fine grained, dark grey, minor calcite minor mineralization pyrite pyrrhotite 65 degrees to c.a.
165.35	165.85	(Altered Mafic Agglomerate) - as above but highly altered with 20% quartz veining white to dark grey. Pyrrhotite pyrite 5% minor chalcopyrite.
165.85	166.45	(Altered Mafic Agglomerate) - moderately altered, minor quartz, 1% sulphides.
166.45	172.7	(Mafic Volcanic) - fine grained, dark green, biotite, calcite veinlets. Minor white quartz veining with minor pyrite pyrrhotite. 169.5 170.3 feldspar porphyry, dark grey, fine grained matrix hosting white feldspar phenocrysts.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-9

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FROM	TO	LITHOLOGICAL DESCRIPTION
172.7	173.0	(Porphyry) - dark grey, fine grained, minor quartz veining, minor sulphides.
173.0	173.4	(Mafic Volcanic) - as above, minor quartz veining.
173.4	174.3	(Porphyry) - as above, foliated at 63 degrees to c.a.
174.3	175.0	(Altered Mafic Volcanic) - as above with 10% quartz veining and 1-2% pyrrhotite, pyrite associated with quartz.
175.0	176.1	(Quartz Veining) - 60% white to grey quartz with porphyry, sericite and pyrite pyrrhotite, 4% in quartz veining; <1% in porphyry sections.
176.1	183.1	(Mafic Agglomerate) - fine grained, medium to dark green, chloritic matrix hosting fragments light green and fragments of medium grey feldspar porphyry. Locally layered at 60 degrees to c.a. with biotite/garnet layering.
183.1	185.2	(Porphyry) - fine to medium grained, light grey to locally whitish with feldspar patches and layers. Feldspar phenocrysts white, distinct. Minor mineralization, fine pyrite.
185.2	188.8	(Mafic Agglomerate) - as above.
188.8	190.15	(Porphyry) - as above at 58 degrees to c.a.
190.15	204.0	(Mafic Volcanic) - fine grained, medium to dark green chloritic matrix with bands or aggregates of biotite/garnets. Unit is banded at 58 degrees to c.a. Local small porphyry bands 4-5 cm wide. 197.6-198.9 and 201.5-202.4 - porphyry, medium grained light grey to brownish with biotite and feldspar phenocrysts to 3 mm white nil to minor pyrite.
	204.0	END OF HOLE

1994/2/24

** BORSURV **

Page 1

SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-9

FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	2.60		CASING/OVERBURDEN
2.60	3.90	41	PORPHYRY
3.90	7.40	41	MAFIC VOLCANIC
7.40	48.90	43	MAFIC AGGLOMERATE
48.90	65.90	46	MAFIC VOLCANIC
65.90	110.80	56	MAFIC AGGLOMERATE
110.80	117.10	58	PORPHYRY
117.10	145.80	60	MAFIC AGGLOMERATE
145.80	151.40	56	ALTERED MAFIC AGGLOMERATE
151.40	152.40	57	PORPHYRY
152.40	153.25	57	QUARTZ VEIN
153.25	153.60	56	ALTERED MAFIC AGGLOMERATE
153.60	162.35	58	MAFIC AGGLOMERATE
162.35	163.00	58	PORPHYRY
163.00	165.05	59	ALTERED MAFIC AGGLOMERATE
165.05	165.35	65	PORPHYRY
165.35	165.85	58	ALTERED MAFIC AGGLOMERATE
165.85	166.45	58	ALTERED MAFIC AGGLOMERATE
166.45	172.70	56	MAFIC VOLCANIC
172.70	173.00	63	PORPHYRY
173.00	173.40	63	MAFIC VOLCANIC
173.40	174.30	63	PORPHYRY
174.30	175.00	62	ALTERED MAFIC VOLCANIC
175.00	176.10	61	QUARTZ VEIN

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** BORSURV **

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SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-9

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FROM	TO	C.A.	LITHOLOGICAL UNIT
176.10	183.10	60	MAFIC AGGLOMERATE
183.10	185.20	58	PORPHYRY
185.20	188.80	58	MAFIC AGGLOMERATE
188.80	190.15	58	PORPHYRY
190.15	204.00	58	MAFIC VOLCANIC

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** BORSURV **

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ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-9

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      FROM      TO      WIDTH  SAMPLE #    Au g/t    Au ppb
-----
      54.00     54.30    0.30      1         N.A.      5.000
      59.75     60.70    0.95      2         N.A.     10.000
      65.10     65.90    0.80      3         N.A.      5.000
      76.45     76.90    0.45      4         N.A.      5.000
      88.40     89.20    0.80      5         N.A.      5.000
     110.80     111.80    1.00      6         N.A.     15.000
     111.80     112.60    0.80      7         N.A.      5.000
     112.60     113.70    1.10      8         N.A.     70.000
     113.70     114.20    0.50      9         1.118   1118.000
     114.20     114.50    0.30     10         N.A.     20.000
     114.50     115.50    1.00     11         N.A.    275.000
     115.50     116.50    1.00     12         2.495   2495.000
     116.50     117.10    0.60     13         N.A.     17.000
     132.40     133.30    0.90     14         N.A.      7.000
     142.80     143.70    0.90     15         N.A.      5.000
     145.80     146.80    1.00     16         N.A.     40.000
     146.80     147.80    1.00     17         0.309   309.000
     147.80     148.80    1.00     18         0.158   158.000
     148.80     149.80    1.00     19         0.132   132.000
     149.80     150.80    1.00     20         0.205   205.000
     150.80     151.40    0.60     21         0.388   388.000
     151.40     152.40    1.00     22         0.195   195.000
     152.40     153.25    0.85     23         4.384   4384.000
     153.25     153.60    0.35     24         0.292   292.000
     162.00     162.35    0.35     25         0.123   123.000
     162.35     163.00    0.65     26         N.A.     20.000
     163.00     164.00    1.00     27         N.A.     99.000
     164.00     165.05    1.05     28         0.526   526.000
     165.05     165.35    0.30     29         0.122   122.000
     165.35     165.85    0.50     30         1.260   1260.000
     165.85     166.45    0.60     31         2.495   2495.000
     169.50     170.30    0.80     32         N.A.     35.000
     172.20     173.00    0.80     33         N.A.     10.000
     173.00     173.40    0.40     34         0.150   150.000
     173.40     174.30    0.90     35         N.A.     16.000
     174.30     175.00    0.70     36         2.695   2695.000
     175.00     176.10    1.10     37         1.205   1205.000

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1994/2/24

** BORSURV **

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ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-9

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FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
176.10	177.00	0.90	38	N.A.	19.000
183.10	184.10	1.00	39	N.A.	9.000
184.10	185.20	1.10	40	N.A.	11.000
188.80	189.30	0.50	41	N.A.	10.000
189.30	190.15	0.85	42	N.A.	12.000

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Page 1

** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESARAH
HOLE NO: D-9
GRID: MAIN

DATE: 31/01/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

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DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-72.00	90.00	9883.00	12400.00	4989.00
50.00	-66.00	90.00	9900.92	12400.00	4942.32
100.00	-58.00	91.00	9924.39	12399.80	4898.17
150.00	-56.00	92.00	9951.61	12399.08	4856.24
204.00	-56.00	93.50	9981.78	12397.63	4811.47

NORANDA EXPLORATION CO. LTD.

John Sullivan
John Sullivan for Robert Calhoun

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-10
Collar Eastings: 9785.00
Collar Northings: 11800.00
Collar Elevation: 4966.00

Date: 03/01/94
Logged by: R.C.
Collar Inclination: -46.00
Grid Bearing: 90.00
Final Depth: 107.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	3.0	(Overburden)
3.0	34.3	(Mafic Volcanic) - fine grained, medium to dark green, chloritic, biotitic matrix with calcite as small veinlets and locally nodules. Quartz veins are small, less than 3-4 cm, white. Biotite occurs on foliations at 66 degrees to c.a., mineralization is nil to minor generally fine disseminations of pyrite. 3.1 4.2 porphyry-medium grained, light grey to whitish with white feldspar phenocrysts to 3 mm at 69 degrees to c.a. 17.3 18.3 porphyry as above at 67 degrees to c.a. 27.7 27.8 white quartz vein. 32.4 33.05 porphyry as above with local white feldspar patches; minor biotite. 34.0 34.30 porphyry, fine grained, light grey at 70 degrees to c.a.
34.3	37.8	(Mafic Agglomerate) - fine grained, medium to dark green, chloritic matrix hosting light green fragments to 3 cm, abundant. Foliated at 68 degrees to c.a.
37.8	47.6	(Porphyry) - fine grained, light grey brown tinged, biotite, massive with white feldspar alteration patches distributed throughout. Foliated and contacts at 72 degrees to c.a. Mineralization nil to minor as fine pyrite. No quartz veining. 40.15 40.9 mafic agglomerate as above.
47.6	49.6	(Mafic Agglomerate) - as above with chlorite, biotite rich layers giving appearance of pillow selvage at 71 degrees to c.a., well layered.
49.6	51.5	(Mafic Agglomerate) - as above, 47.6-49.6.
52.9	55.9	(Porphyry) - fine grained as above with small 10 cm quartz vein at upper contact at 78 degrees to c.a., 10% section mafic agglomerate.
55.9	107.0	(Mafic Volcanic) - fine grained, medium to dark green, biotitic. Unit locally medium grained. Unit has calcite in matrix and small calcite

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-10

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FROM TO LITHOLOGICAL DESCRIPTION

veinlets 72 degrees to c.a., foliations at 72 degrees also.
64.5 65.1 10% qtz veining white with minor sulphides.
65.1 65.5 quartz vein with galena, sphalerite, visible
gold 4 flecks noted.
Small fine grained porphyries at 68 degrees to c.a. at 78.15-
78.6; 80.0-80.3; 83.7-84.0, minor veining nil sulphides.
Fault Zone-96.9-99.0 crushed, broken core, minor hematite
staining calcite

107.0 END OF HOLE

1994/2/24

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** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESSARAH
HOLE NO: D-10
GRID: MAIN

DATE: 03/01/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

COMMENTS:

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DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-46.00	90.00	9785.00	11800.00	4966.00
50.00	-42.00	90.00	9820.97	11800.00	4931.27
107.00	-45.00	87.00	9862.30	11801.08	4892.03

1994/2/24

** BORSURV **

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SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-10

=====

FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	3.00		CASING/OVERBURDEN
3.00	34.30	66	MAFIC VOLCANIC
34.30	37.80	68	MAFIC AGGLOMERATE
37.80	47.60	72	PORPHYRY
47.60	49.60	71	MAFIC AGGLOMERATE
49.60	51.50	75	PORPHYRY
51.50	52.90	78	MAFIC AGGLOMERATE
52.90	55.90	78	PORPHYRY
55.90	107.00	72	MAFIC VOLCANIC

1994/2/24

** BORSURV **

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ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-10

=====

FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
37.80	38.80	1.00	1	N.A.	11.000
38.80	39.90	1.10	2	N.A.	19.000
39.90	40.90	1.00	3	N.A.	44.000
40.90	41.90	1.00	4	N.A.	7.000
42.90	43.90	1.00	5	N.A.	8.000
44.90	45.90	1.00	6	N.A.	53.000
45.90	46.90	1.00	7	N.A.	36.000
46.90	47.60	0.70	8	0.231	231.000
49.60	50.60	1.00	9	N.A.	7.000
50.60	51.50	0.90	10	N.A.	6.000
52.90	53.60	0.70	15	N.A.	7.000
64.50	65.10	0.60	11	N.A.	23.000
65.10	65.50	0.40	12	7.682	7682.000
65.50	66.00	0.50	13	N.A.	22.000
78.15	78.60	0.45	14	N.A.	5.000

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH

Date: 04/02/94

HOLE No.: D-11

Logged by: R.C.

Collar Eastings: 9900.00

Collar Inclination: -46.00

Collar Northings: 11600.00

Grid Bearing: 90.00

Collar Elevation: 4980.00

Final Depth: 75.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	6.0	(Overburden/Casing)
6.0	13.5	(Mafic Agglomerate) - fine grained, dark green matrix hosting light green and infrequent light grey fragments to 4 cm. Biotite, chlorite aggregates or bands given pillow selvage appearance locally. Unit foliated at 71 degrees to c.a. Local calcite veinlets and disseminations as nodules stretched along foliation. Biotite on foliations.
13.5	19.6	(Mafic Volcanic) - fine grained, dark green, chloritic foliations at 73 degrees to c.a. Biotite on foliations, local small calcite veinlets. Small areas of crushed core.
19.6	22.5	(Feldspar Porphyry +/- Quartz) - light to medium grey, biotite rich matrix hosting white feldspar phenocrysts to 5 mm. Phenocrysts distinct possible small quartz eyes. Biotite on foliations at 74 degrees to c.a. small inclusions of mafic volcanic 22.0-22.2. No quartz veining nil sulphides.
22.5	45.9	(Mafic Volcanic) - fine to medium grained foliated mafic with chlorite, biotite and minor calcite in matrix. Locally small <.5 cm calcite veinlets and quartz feldspar veinlets. Local bands of biotite chlorite with pink garnets to 3 mm; bands are 1-2 cm wide and occur mainly between 35 and 41 meters. 24.3 25.0 porphyry; fine grained, light to medium grey with feldspar phenocrysts, white to 2 mm weakly mineralized pyrite <1% contacts 78 degrees to c.a. 26.5 27.0 mafic volcanic with 15 cm pyritic quartz vein white to grey. 27.15 28.1 porphyry as above at 75 degrees to c.a. 41.3 42.4 mafic volcanic; bleached epidote alteration pale green with quartz veining, 30% of section from 41.7-42.4. Pyrite mineralization with quartz veining 1%.
45.9	48.2	(Mafic Agglomerate) - as above, foliated at 73 degrees to c.a.
48.2	75.0	(Mafic Volcanic) - as above with locally strong foliation at 76 degrees to c.a.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-11

Page 2

FROM TO LITHOLOGICAL DESCRIPTION

Calcite along foliations and locally strong biotite with chlorite defining foliation. Sulphides as pyrite are scattered throughout with local small veinlets on foliations less than 1 mm in width.

61.7 63.05 porphyry; fine grained, medium grey matrix hosting white feldspar phenocrysts to 2 mm stretched. Mineralized <1% disseminated pyrite.

68.9 69.2 porphyry light grey, fine grained.

75.0 END OF HOLE

1994/2/24

Page 1

** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESSARAH
HOLE NO: D-11
GRID: MAIN

DATE: 04/02/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

COMMENTS:

=====

DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-46.00	90.00	9900.00	11600.00	4980.00
75.00	-42.00	44.00	9949.66	11621.08	4927.90

1994/2/24

** BORSURV **

Page 2

ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-11

=====

FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
24.30	25.00	0.70	1	N.A.	7.000
27.15	28.10	0.95	2	N.A.	5.000
41.70	42.40	0.70	3	N.A.	5.000
61.70	62.40	0.70	4	N.A.	5.000
62.40	63.05	0.65	5	N.A.	5.000

1994/2/24

** BORSURV **

Page 1

SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-11

FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	6.00		CASING/OVERBURDEN
6.00	13.50	71	MAFIC AGGLOMERATE
13.50	19.60	73	MAFIC VOLCANIC
19.60	22.50	74	FELDSPAR PORPHYRY
22.50	48.20	78	MAFIC AGGLOMERATE
48.20	75.00	76	MAFIC VOLCANIC

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-12
 Collar Eastings: 9490.00
 Collar Northings: 11000.00
 Collar Elevation: 4960.00

Date: 06/02/94
 Logged by: R.C.
 Collar Inclination: -46.00
 Grid Bearing: 90.00
 Final Depth: 123.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	3.1	(Casing/Overburden)
3.1	10.5	(Mafic Agglomerate) - fine grained, dark green, chloritic and carbonated matrix hosting light green and light grey fragments to 2 cm. Local chlorite, biotite garnet rich bands or layers. Minor small <1 cm quartz veins. Nil sulphides. 8.2 8.95 porphyry; fine grained, light to medium grey with white feldspar phenocrysts. Biotite on foliations at 65 degrees to c.a.
10.5	89.0	(Mafic Volcanic) - medium to dark green, fine grained, locally coarse grained with chlorite nodules or aggregates. Generally foliated with calcite veinlets along foliations at 65-69 degrees to c.a. 10.5 12.3 porphyry; fine grained, light grey to brownish tinged with biotite on foliations at 68 degrees to c.a., nil sulphides. White feldspar alteration patches with biotite hornblende. 11.0 16.7 porphyry as above. 19.5 20.0 porphyry, fine grained, medium grey foliated with biotite on foliations. 20.4 21.2 porphyry as above at 68 degrees to c.a. 22.9 23.6 crushed with pink feldspar vein 20 cm long. 25.6 27.7 quartz feldspar vein-whitish milky medium grained quartz and white feldspar veins with biotite, minor sulphides pyrite. Upper and lower contacts at 44 degrees to c.a. 27.7 30.1 mafic agglomerate as above with minor porphyry fragments. Foliated at 67 degrees to c.a. 30.1 35.0 coarser mafic volcanic with chlorite nodules giving spotted appearance, foliated 65 degrees to c.a. Biotite also on foliations. 35.0 40.8 fine mafic volcanic. 40.8 41.2 banded mafics with calcite, minor quartz <1 cm in veins, minor sulphides. 41.2 41.7 60% quartz veining with pyrite, pyrrhotite, 2-3% remainder mafic volcanic. 45.8 41.4 porphyry, medium grained, medium grey, brown with biotite and local white feldspar alteration patches at 62 degrees to c.a. 51.7 53.1 small 3 mm infrequent pyrite pyrrhotite veinlets along foliations in fine grained mafic volcanic.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-12

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FROM	TO	LITHOLOGICAL DESCRIPTION	
	54.4	54.8	porphyry, medium grained, medium grey-brown with white alteration patches.
	55.6	56.8	porphyry as above, white feldspar alteration patches increase towards bottom of section.
	62.8	81.0	coarser mafic volcanic with biotite, chlorite in foliations at 68 degrees. Small fine grained mafic bands within section. Local quartz veinlets 1-2 cm white, no mineralization.
	81.0	89.0	fine mafic volcanics.
89.0	115.0	(Mafic Agglomerate) - fine grained, medium to dark green hosting light green to grey fragments locally abundant giving layered appearance. Calcite veinlets, small with calcite in matrix locally. Section includes wide porphyry zones as noted below. Porphyry Zones: 92.6 93.1 medium grained, white feldspar phenocrysts; white feldspar alteration patches, minor sulphide. 94.5 96.1 as above at 78 degrees to c.a. 98.5 99.6 as above, minor quartz veining. 105.05 109.8 porphyry-fine to medium grained, medium grey to brownish white feldspar phenocrysts with white alteration patches. Foliated at 78 degrees to c.a.	
115.0	123.0	(Mafic Volcanic) - fine grained, medium to dark green, calcite veinlets, minor quartz veining foliated at 78 degrees to c.a. Local chlorite biotite garnet layers.	
	123.0	END OF HOLE	

1994/2/24

** BORSURV **

Page 1

SUMMARY LITHO LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-12

=====

FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	3.10		CASING/OVERBURDEN
3.10	10.50	65	MAFIC AGGLOMERATE
10.50	89.00	69	MAFIC VOLCANIC
89.00	115.00	78	MAFIC AGGLOMERATE
115.00	123.00	78	MAFIC VOLCANIC

1994/2/24

** BORSURV **

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ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-12

FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
8.20	8.95	0.75	1	N.A.	28.000
10.50	11.50	1.00	2	N.A.	6.000
11.50	12.30	0.80	3	N.A.	5.000
40.80	41.20	0.40	4	N.A.	20.000
41.20	41.70	0.50	5	N.A.	52.000
45.80	46.40	0.60	6	N.A.	7.000
55.60	56.80	1.20	7	N.A.	5.000
92.60	93.05	0.45	8	N.A.	5.000
94.50	95.30	0.80	9	N.A.	5.000
95.30	96.10	0.80	10	N.A.	5.000
98.50	99.60	1.10	11	N.A.	5.000
99.60	100.10	0.50	12	N.A.	5.000
105.05	106.00	0.95	13	N.A.	5.000
106.00	107.00	1.00	14	N.A.	5.000
107.00	108.00	1.00	15	N.A.	5.000
108.00	109.00	1.00	16	N.A.	5.000
109.00	109.70	0.70	17	N.A.	5.000

1994/2/24

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** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESARAH
HOLE NO: D-12
GRID: MAIN

DATE: 06/02/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

COMMENTS:

=====

DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-46.00	90.00	9490.00	11000.00	4960.00
60.00	-44.00	90.00	9532.43	11000.00	4917.57
123.00	-42.00	90.00	9578.50	11000.00	4874.61

John Sullivan

John Sullivan for Robert Calhoun

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-13
 Collar Eastings: 9230.00
 Collar Northings: 10370.00
 Collar Elevation: 4970.00

Date: 09/02/94
 Logged by: R. C.
 Collar Inclination: -46.00
 Grid Bearing: 92.00
 Final Depth: 120.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	6.0	(Casing/Overburden)
6.0	30.9	(Mafic Agglomerate) - fine grained, dark green chloritic, weakly biotitic matrix, hosting light green and infrequent grey fragments to 4-6 cm. Unit is layered in the upper section to 12m but contorted with minor quartz veining with minor pyrite sulphides. In areas where fragments are abundant unit appears well layered. Layering is chlorite/biotite/garnet zones to 2 cm wide. Numerous porphyry intrusive occur throughout the unit with the larger one noted below. Foliations 65 degrees to c.a. 12.8 13.1 feldspar quartz porphyry-light grey to white, mineralized 1% pyrite minor pyrrhotite at 52 degrees to c.a. 13.4 14.3 medium grey porphyry with white feldspar phenocrysts. Local white feldspar alteration zones or patches. Foliated at 65 degrees to c.a. 19.3 20.05 porphyry as 13.4 at 58 degrees to c.a. 24.7 24.72 quartz vein in mafic agglomerate with pyrrhotite vein. 29.6 30.15 porphyry as at 19.3 - foliated at 60 degrees to c.a.
30.9	42.4	(Mafic Volcanic/Porphyry) - interbedded, medium grained, dark green, mafic volcanic with chlorite aggregates giving spotted appearance interfingered with medium grey brown porphyry, fine grained with minor mineralization and white feldspar patches and indistinct feldspar phenocrysts. Mafics are unaltered between porphyry bands.
42.4	58.0	(Mafic Agglomerate) - fine grained, medium to dark green hosting generally fine green fragments of mafic volcanic. Layered with chlorite/garnet/biotite aggregates 1-3 cm wide. Small calcite veinlets to .5 cm. Local wide quartz veining, 1-5 cm. Numerous small porphyries medium to fine grained, medium grey with biotite along foliations at 58 degrees to c.a. Porphyries are generally 10-20 cm except as noted below. 48.4 51.4 fine to medium grained, medium grey with .6m quartz feldspar vein. Small 10 cm mafic bands in porphyry. Upper contact crushed. Lower at 79 degrees to c.a. Foliation at 65 degrees to c.a. 53.8 54.4 quartz feldspar at 45 degrees to c.a. white

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-13

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FROM	TO	LITHOLOGICAL DESCRIPTION
		to light grey.
58.0	88.0	(Mafic Volcanic) - fine to medium grained, medium to dark green foliation at 70 degrees to c.a. with small calcite veinlets along foliations, minor infrequent quartz veining. Layering of chlorite biotite garnet, infrequent <2 cm. Local epidote discolouration of unit. 65.7 66.55 fine grained porphyry, medium to dark grey with white feldspar phenocrysts. 69.05 69.80 porphyry as above. 70.25 70.9 porphyry as above with white feldspar alteration patches. 73.3 71.2 light grey porphyry with white feldspar phenocrysts. Biotite on foliations at 75 degrees to c.a.
88.0	94.6	(Porphyry) - fine to medium grained whitish to pinkish feldspar quartz matrix with biotite along foliations. Local infrequent glassy quartz veining. Unit is mineralized throughout with pyrite 1% pyrrhotite <1% and minor galena.
94.6	117.4	(Mafic Volcanic) - fine to medium grained, medium to dark green locally layered with chlorite garnet and small calcite +/- quartz veining. Locally quartz veining is 10% of unit especially around small porphyry zones. Foliated at 63 degrees to c.a. 98.3 98.7 porphyry-whitish with 1% pyrite. 107.5 107.8 porphyry-whitish with 1% pyrite 45 degrees to c.a. 109.8 110.5 porphyry as above with 1% pyrite and minor galena. 110.5 111.1 mafic volcanic with 10-15% quartz veining 1% pyrite, 1% pyrrhotite in veining.
117.4	120.0	(Porphyry) - fine grained, medium grey unaltered with small feldspar phenocrysts at 63 degrees to c.a.
		120.0 END OF HOLE

1994/2/24

** BORSURV **

Page 1

SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESARAH
HOLE No.: D-13

FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	6.00		CASING/OVERBURDEN
6.00	30.90	65	MAFIC AGGLOMERATE
30.90	42.40	65	MAFIC VOLCANIC/PORPHYRY
42.40	58.00	58	MAFIC AGGLOMERATE
58.00	88.00	70	MAFIC VOLCANIC
88.00	94.50	63	PORPHYRY
94.50	117.40	63	MAFIC VOLCANIC
117.40	120.00	63	PORPHYRY

1994/2/24

** BORSURV **

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ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-13

=====

FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
12.80	13.10	0.30	1	N.A.	7.000
13.40	14.30	0.90	2	N.A.	5.000
19.30	20.05	0.75	3	N.A.	5.000
29.60	30.15	0.55	4	N.A.	5.000
32.55	33.30	0.75	5	N.A.	5.000
33.30	34.10	0.80	6	N.A.	5.000
34.10	34.90	0.80	7	N.A.	5.000
36.25	36.80	0.55	8	N.A.	5.000
36.80	37.15	0.35	9	N.A.	5.000
39.55	40.10	0.55	10	N.A.	5.000
40.10	40.60	0.50	11	N.A.	5.000
40.60	41.60	1.00	12	N.A.	5.000
41.60	42.40	0.80	13	N.A.	5.000
53.80	54.45	0.65	30	N.A.	5.000
54.45	55.25	0.80	31	N.A.	8.000
69.05	70.10	1.05	16	N.A.	9.000
70.10	71.00	0.90	14	N.A.	5.000
73.30	74.20	0.90	15	N.A.	5.000
87.05	87.35	0.30	17	N.A.	5.000
87.35	88.00	0.65	18	N.A.	5.000
88.00	89.00	1.00	19	N.A.	5.000
89.00	90.00	1.00	20	N.A.	36.000
90.00	91.00	1.00	21	N.A.	5.000
91.00	92.00	1.00	22	N.A.	5.000
92.00	93.00	1.00	23	N.A.	5.000
93.00	94.00	1.00	24	N.A.	5.000
94.00	94.60	0.60	25	N.A.	5.000
98.30	98.70	0.40	26	N.A.	5.000
107.50	107.80	0.30	27	N.A.	5.000
109.80	110.50	0.70	28	N.A.	5.000
110.50	111.10	0.60	29	N.A.	188.000

1994/2/24

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** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESSARAH
HOLE NO: D-13
GRID: MAIN

DATE: 09/02/94
SURVEY BY: R. C.
INSTRUMENT: ACID/TROPARI

COMMENTS:

=====

DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-46.00	92.00	9230.00	10370.00	4970.00
60.00	-43.00	95.00	9272.72	10367.39	4927.95
120.00	-41.00	99.00	9316.97	10361.95	4887.80

John Sullivan

John Sullivan for Robert Calhoun

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-14
 Collar Eastings: 9950.00
 Collar Northings: 13400.00
 Collar Elevation: 4975.00

Date: 10/02/94
 Logged by: R.C.
 Collar Inclination: -46.00
 Grid Bearing: 90.00
 Final Depth: 75.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	3.0	(Casing/Overburden)
3.0	40.5	(Mafic Volcanic) - medium grained with local fine grained layers, medium to dark green. Unit has a spotted appearance due to chloritoid aggregates stretched along foliations. Unit is massive except in fine areas where calcite +/- quartz veinlets define foliations. Small fine grained light grey porphyries occur at 72 degrees to c.a. Biotite on foliations and white feldspar phenocrysts weakly altered. Porphyries: 12.6-12.9; 17.4-18.2; 23.2-23.7 23.7 24.0 25% pyrite pyrrhotite as veinlets and fine disseminations. Veinlets are small <1 mm. Minor quartz vein with sulphides. Sulphides in fine grained mafic. Fine grained layer continues to 28.3.
40.5	68.7	(Mafic Agglomerate) - fine to medium grained, medium to dark green with light green fragments to 5 cm. Fragments are locally abundant, define foliation at 68 degrees to c.a. Locally small quartz veins 1-2 cm white. Minor sulphides scattered through section but <.5%. Garnets occur throughout with bands of chlorite biotite aggregates.
68.7	75.0	(Mafic Volcanic) - medium grained, medium to dark green with chloritoid nodules or aggregates giving core spotted appearance. Unit is massive to weakly foliated at 65 degrees to c.a.
75.0		END OF HOLE

1994/2/24

** BORSURV **

Page 1

SUMMARY LITHO LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-14

=====

FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	3.00		CASING/OVERBURDEN
3.00	40.50	72	MAFIC VOLCANIC
40.50	68.70	68	MAFIC AGGLOMERATE
68.70	75.00	65	MAFIC VOLCANIC

1994/2/24

** BORSURV **

Page 2

ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-14

=====

FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
23.20	23.70	0.50	1	N.A.	5.000
23.70	24.00	0.30	2	N.A.	5.000
24.00	24.50	0.50	3	N.A.	5.000

** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESSARAH
HOLE NO: D-14
GRID: MAIN

DATE: 10/02/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

COMMENTS:

=====

DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-46.00	90.00	9950.00	13400.00	4975.00
75.00	-42.00	90.00	10003.95	13400.00	4922.90

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-15
 Collar Eastings: 9910.00
 Collar Northings: 15800.00
 Collar Elevation: 4985.00

Date: 12/02/94
 Logged by: R.C.
 Collar Inclination: -46.00
 Grid Bearing: 90.00
 Final Depth: 206.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	5.5	(Overburden/Casing 6m)
5.5	22.7	(Mafic Volcanic) - fine to medium grained, massive to locally foliated, layered at 65 degrees to c.a. Local calcite +/- quartz veinlets 2-5 mm. Minor sulphides at 12.55-13.05m.
22.7	51.0	(Mafic To Ultramafic Volcanic) - medium grained, dark green, soft. Unit has spotted appearance with chlorite, hornblende and appears serpentized over wide sections. Unit more massive than usual volcanic foliation at 68 degrees to c.a. Unit is 60% ultramafic, 40% mafic, minor sulphides. Locally carbonatized in matrix and as small veinlets. Unit is locally strongly biotitic.
51.0	159.0	(Mafic Volcanic) - fine to medium grained, medium green, locally well foliated to layered due to calcite +/- quartz veinlets. Local aggregates or small bands of chlorite, garnet +/- biotite. Porphyries occur infrequently as light grey biotitic weakly mineralized zones at 45 degrees to c.a. at 55.0-55.3; 61.9-62.3m Unit becomes increasingly biotitic down hole with biotite forming small layers or aggregates to .5 cm wide brownish defining foliations at 66 degrees to c.a. at 87m. 108.6 109.85 porphyry, fine grained, grey, foliated at 64 degrees to c.a. is parallel to contact, nil mineralization, quartz vein white at 109.1-109.35, no sulphides. Mafic volcanic is more layered than above with biotite layers and frequent calcite veinlets and white quartz sweats. Foliations are often contorted but generally 60 degrees to c.a., 126m. 129.1 130.2 porphyry, fine grained, medium grey hosting white feldspar phenocrysts to 2 mm. Nil sulphides. Foliated at 65 degrees to c.a. 130.2 159.0 unit continues to be well layered with calcite/quartz veining white nil sulphides foliated at 68 degrees to c.a.
159.0	164.2	(Mafic Volcanic/Interflow Sediments) - mafic volcanics are as above with biotite layers and garnets interbedded with sediments. Fine grained medium grey brown with variable sulphides to 25% over short sections. Sulphides are pyrite pyrrhotite and minor chalcopyrite. Sediments are outlined below.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-15

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION
	161.2 161.4	25% sulphides as massive veins to 2 cm of pyrite pyrrhotite. Foliations at 66 degrees to c.a.
	162.2 164.2	interbedded small layers of sediments with mafic overall sulphides 1-2%, 5-10% in small sediment layers.
164.2	204.45	(Mafic Volcanic) - fine grained, medium to dark green, well foliated with biotite/garnet layers on foliation at 68 degrees to c.a. Locally unit is medium grained biotitic with chloritic nodules. Locally small layers of mineralized sediments as above noted following.
	179.8 180.2	15% sulphides as pyrite pyrrhotite at 69 degrees to c.a. as massive veinlets and disseminations.
	193.0 193.2	10% sulphides as pyrite pyrrhotite.
	194.1 194.7	10% sulphides in sediments volcanics are 70% of section.
	194.7 195.45	granodiorite-medium grained, medium grey with biotite.
	203.5 203.8	sediment 20% sulphides as pyrite pyrrhotite as massive veinlets.
204.454	206.0	(Granodiorite) - medium grained, medium grey biotitic as fine flakes and as aggregates. Quartz and feldspar white.
	206.0	END OF HOLE

1994/2/24

** BORSURV **

Page 1

SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESARAH
HOLE No.: D-15

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FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	6.00		CASING/OVERBURDEN
6.00	22.70	65	MAFIC VOLCANIC
22.70	51.00	68	MAFIC TO ULTRAMAFIC VOLCANIC
51.00	159.00	45	MAFIC VOLCANIC
159.00	164.20	68	MAFIC VOLCANIC/INTERFLOW SEDIMENTS
164.20	204.45	68	MAFIC VOLCANIC
204.45	206.00	60	GRANODIORITE

1994/2/24

** BORSURV **

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ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-15

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FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
12.55	13.05	0.50	1	N.A.	5.000
108.60	109.10	0.50	2	N.A.	5.000
109.10	109.85	0.75	3	N.A.	5.000
109.85	110.60	0.75	4	N.A.	6.000
129.10	130.20	1.10	5	N.A.	5.000
159.00	160.20	1.20	6	N.A.	28.000
160.20	161.20	1.00	7	N.A.	10.000
161.20	161.40	0.20	8	N.A.	75.000
161.40	161.60	0.20	9	N.A.	8.000
161.60	162.20	0.60	10	N.A.	134.000
162.20	163.20	1.00	11	N.A.	7.000
163.20	164.20	1.00	12	N.A.	13.000
179.80	180.20	0.40	13	N.A.	17.000
194.10	194.70	0.60	14	N.A.	22.000
203.50	203.80	0.30	15	N.A.	99.000
203.80	204.45	0.65	16	N.A.	10.000

1994/2/24

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** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESSARAH
HOLE NO: D-15
GRID: MAIN

DATE: 12/02/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

COMMENTS: .

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DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-46.00	90.00	9910.00	15800.00	4985.00
60.00	-42.00	90.00	9953.16	15800.00	4943.32
120.00	-39.00	92.00	9998.78	15799.20	4904.35
160.00	-38.00	94.00	10030.04	15797.57	4879.45
206.00	-38.00	96.00	10066.15	15794.41	4851.13

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH

Date: 03/29/94

HOLE No.: D-16

Logged by: R.C.

Collar Eastings: 9825.00

Collar Inclination: -70.00

Collar Northings: 12975.00

Grid Bearing: 90.00

Collar Elevation: 4940.00

Final Depth: 306.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	1.8	(Overburden-Casing to 3m)
1.8	21.0	(Mafic Agglomerate) - fine to medium grained, medium to dark green matrix hosting moderate to infrequent lighter green fragments of mafic volcanic. Locally fragments are epidote coloured. Local aggregates of biotite, chlorite green pillow selvage appearance. Unit is foliated at 53 degrees to c.a. Small infrequent calcite veins mirror foliation. Quartz veining is infrequent with veinlets <.5 cm in width. 7.4 10.1 porphyry; fine grained, medium grey to brownish tinged with biotite in foliations. No veining or sulphides.
21.0	51.25	(Mafic Volcanic) - fine to medium grained, medium green grey foliated with aggregates of biotite chlorite giving unit micro-gneissic appearance. Foliated at 54 degrees to c.a. Unit contains minor small porphyries infrequent parallel to foliation, 54 degrees. Minor calcite/quartz veinlets. 28.2 28.8 aggregates of biotite chlorite form clots to .5 cm giving unit spotted appearance, elongated along foliation 47.3 48.0 quartz carbonate sericite vein at 50 degrees to c.a. to subparallel. Contains minor garnets red-brown to 1.0 cm no sulphides.
51.25	54.3	(Mafic Agglomerate) - as above with infrequent light grey-green fragments randomly distributed. Foliated at 46 degrees to c.a.
54.3	57.7	(Mafic Volcanic) - as above with spotted appearance due to aggregates of biotite chlorite.
57.7	61.2	(Mafic Agglomerate) - as above
61.2	66.8	(Mafic Volcanic) - as above foliated at 48 degrees to c.a.
66.8	68.1	(Porphyry) - fine grained, light to medium grey brownish tinged due to biotite on foliations. Feldspars to 3 mm white occur throughout section with elongation along foliations at 45 degrees to c.a.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-16

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FROM	TO	LITHOLOGICAL DESCRIPTION
		Bleaching .3 mm on each side of randomly oriented fractures, ie 10 to 60 degrees to c.a. No sulphides or veining.
68.1	79.0	(Mafic Volcanic) - as above with biotite/chlorite aggregates smaller and along foliations at 46 degrees to c.a.
79.0	93.2	(Mafic Agglomerate) - matrix as above with fragments, more frequent mainly light green to green grey. Unit layered at 83.7 to 85 due to frequency of fragments. Minor sulphides-pyrite/pyrrhotite in small veinlets along foliations at 84.23 to 84.30. Unfrequent quartz and/or calcite veinlets <.5 cm. Foliation at 50 degrees to c.a. Small porphyries at 82.8-83.9 as above.
93.2	103.6	(Mafic Volcanic) - fine grained with medium grained biotite, chlorite aggregate foliated at 50 degrees to c.a. Minor quartz veining largest vein .2m.
103.6	122.8	(Mafic Agglomerate) - fine to medium grained, medium to dark green matrix, biotitic with bands or layers rich in garnet hosting frequent fragments to 6 cm light to medium green grey to light grey. Fragments are more abundant than in agglomerate sections above giving core a banded or layered appearance. Minor infrequent quartz and carbonate veinlets <3 cm wide. A 30 cm band of quartz and feldspar at 121.9-122.2 at 40 degrees to c.a. Foliation and fragment alignment at 50 degrees to c.a.
122.8	132.1	(Mafic Volcanic) - fine to medium grained, dark green matrix with abundant biotite along foliations at 49 degrees to c.a. Unit is massive with no veining.
132.1	215.1	(Mafic Agglomerate) - as above with increase in garnet rich layers. Minor infrequent veining of quartz and calcite <3 cm wide. Foliated at 52 degrees to c.a. at 165m quartz and calcite veining increases downhole slightly. Small <1m sections of mafic volcanic.
198.9	199.4	porphyry fine grained, grey biotite on foliations. 55 degrees to c.a., 1-5% pyrrhotite.
203.0	203.6	porphyry fine grained, grey minor biotite 55 degrees.
211.0	211.6	porphyry as above 53 degrees.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-16

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FROM	TO	LITHOLOGICAL DESCRIPTION
215.1	221.5	(Mafic Volcanic) - fine to medium grained, medium to dark green, biotitic on foliations at 52 degrees to c.a., minor quartz calcite veining.
221.5	236.9	(Mafic Agglomerate) - fine to medium grained, medium to dark green matrix hosting frequent fragments light green to grey green. More abundant fragments than in above agglomerate. Frequent small calcite veinlets <1 cm in width approximately 4 per meter. Foliation at 56 degrees to c.a.
236.9	240.1	(Porphyry) - fine grained medium to dark grey brown tinged matrix hosting white feldspars to .5 cm. Feldspars are abundant 20-25% of unit. Small bleached feldspathized bands occur towards bottom of section. Unit contains biotite on foliations and in matrix? Small band of mafic agglomerate from 238.3-238.95.
240.1	242.55	(Mafic Agglomerate) - as above with light green fragments.
242.55	242.7	(Altered Mafic Agglomerate) - with calcite minor quartz and minor sulphides, pyrite <1%.
242.7	243.5	(Porphyry) - fine grained, medium grey porphyry, minor fine pyrite. Foliated at 55 degrees to c.a.
243.5	243.7	(Quartz Vein) - 10-15% sulphides as sphalerite, pyrite, pyrrhotite. Sphalerite most abundant.
243.7	244.1	(Altered Mafic Agglomerate) - quartz veined 10-15% at 56 degrees to c.a. Sulphides 2-5% pyrite, pyrrhotite, minor sphalerite.
244.1	245.45	(Porphyry) - fine grained, medium grey with fine pyrite possible pyrrhotite-1%. Minor sphalerite near lower contact <1%.
245.45	246.3	(Altered Mafic Agglomerate) - calcite, 5% quartz veining, sulphides pyrite, pyrrhotite? <2%.
246.3	248.3	(Mafic Agglomerate)

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-16

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FROM	TO	LITHOLOGICAL DESCRIPTION
		- unaltered as above.
248.3	248.95	(Altered Mafic Agglomerate) - with calcite minor quartz biotite. Small 2 cm quartz vein at end of section. Minor to nil sulphides.
248.95	249.75	(Porphyry) - as above with minor sulphides.
248.95	250.9	(Altered Mafic Agglomerate) - minor quartz veining, 1 vein 3 cm wide, minor sulphides, biotitic. Calcite veining. Foliated 57 degrees to c.a.
250.9	276.7	(Mafic Agglomerate) - as above 221.5-236.9
276.7	280.85	(Porphyry) - fine grained, medium grey, brown tinged matrix hosting biotite on foliations and feldspar phenocrysts white. Foliated at 51 degrees to c.a. Nil sulphides. Minor quartz veining.
280.85	283.4	(Mafic Agglomerate) - fine grained, medium to dark green, weakly altered, minor sulphides. Unit contains 20% small porphyry bands. 4 cm quartz veins white with nil to minor sulphides.
283.4	283.9	(Porphyry) - as above, no veining.
283.9	288.9	(Mafic Agglomerate) - fine to medium grained, dark green mafic hosting light green fragments, biotite, chlorite aggregates appearing like pillow selvages.
288.9	289.8	(Porphyry) - as above with minor quartz veining. Nil to minor sulphides. Foliations 56 degrees to c.a.
289.8	306.0	(Diabase) - fine to medium grained, dark green matrix hosting 1 cm phenocrysts of feldspar infrequent whitish green, epidote colouration. Contact 60 degrees to c.a.
		306.0 END OF HOLE

1994/4/15

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** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESSARAH
HOLE NO: D-16
GRID: MAIN

DATE: 03/29/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

COMMENTS:
GRID BEARING 090 deg TRUE AZIMUTH 050 deg

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DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-70.00	90.00	9825.00	12975.00	4940.00
66.00	-67.00	89.00	9849.19	12975.21	4878.59
110.00	-66.00	88.50	9866.73	12975.59	4838.24
150.00	-62.00	88.50	9884.26	12976.05	4802.29
200.00	-61.00	88.50	9908.11	12976.68	4758.35
250.00	-58.00	88.50	9933.48	12977.34	4715.27
287.00	-59.00	88.00	9952.80	12977.93	4683.72
306.00	-58.00	88.00	9962.72	12978.28	4667.52

1994/4/15

** BORSURV **

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SUMMARY LITHO LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-16

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FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	1.80		OVERBURDEN/CASING 3M
1.80	21.00	53	MAFIC AGGLOMERATE
21.00	51.25	54	MAFIC VOLCANIC
51.25	54.30	46	MAFIC AGGLOMERATE
54.30	57.70	46	MAFIC VOLCANIC
57.70	61.20	47	MAFIC AGGLOMERATE
61.20	66.80	48	MAFIC VOLCANIC
66.80	68.10	45	PORPHYRY
68.10	79.00	46	MAFIC VOLCANIC
79.00	93.20	50	MAFIC AGGLOMERATE
93.20	103.60	50	MAFIC VOLCANIC
103.60	122.80	50	MAFIC AGGLOMERATE
122.80	132.10	52	MAFIC VOLCANIC
132.10	215.10	52	MAFIC AGGLOMERATE
215.10	221.50	52	MAFIC VOLCANIC
221.50	236.90	56	MAFIC AGGLOMERATE
236.90	240.10	56	PORPHYRY
240.10	242.55	56	MAFIC AGGLOMERATE
242.55	242.70	55	ALTERED MAFIC AGGLOMERATE
242.70	243.50	55	PORPHYRY
243.50	243.70	55	QUARTZ VEIN
243.70	244.10	55	ALTERED MAFIC AGGLOMERATE
244.10	245.45	55	PORPHYRY
245.45	246.30	55	ALTERED MAFIC AGGLOMERATE

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** BORSURV **

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SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESARAH
HOLE No.: D-16

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FROM	TO	C.A.	LITHOLOGICAL UNIT
246.30	248.30	55	MAFIC AGGLOMERATE
248.30	248.95	55	ALTERED MAFIC AGGLOMERATE
248.95	249.75	55	PORPHYRY
249.75	250.90	57	ALTERED MAFIC AGGLOMERATE
250.90	276.70	57	MAFIC AGGLOMERATE
276.70	280.85	51	PORPHYRY
280.85	283.40	51	MAFIC AGGLOMERATE
283.40	283.90	51	PORPHYRY
283.90	288.90	51	MAFIC AGGLOMERATE
288.90	289.80	56	PORPHYRY
289.80	306.00	60	DIABASE

1994/4/15

** BORSURV **

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ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-16

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FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
198.00	198.90	0.90	1	0.005	5.000
198.90	199.40	0.50	2	0.067	67.000
199.40	200.40	1.00	3	0.005	5.000
236.90	237.60	0.70	4	0.005	5.000
237.60	238.30	0.70	5	0.005	5.000
238.30	238.95	0.65	6	0.005	5.000
238.95	240.10	1.15	7	0.005	5.000
240.10	241.10	1.00	8	0.014	14.000
241.10	242.00	0.90	9	0.005	5.000
242.00	242.55	0.55	10	0.011	11.000
242.55	242.90	0.35	11	0.364	364.000
242.90	243.50	0.60	12	0.127	127.000
243.50	244.35	0.85	13	5.430	5430.000
244.35	245.45	1.10	14	0.491	491.000
245.45	246.30	0.85	15	0.423	423.000
246.30	247.30	1.00	16	0.005	5.000
247.30	248.30	1.00	17	0.006	6.000
248.30	248.95	0.65	18	0.050	50.000
248.95	249.75	0.80	19	0.005	5.000
249.75	250.90	1.15	20	0.038	38.000
250.90	251.90	1.00	21	0.013	13.000
274.70	275.70	1.00	22	0.013	13.000
275.70	276.70	1.00	23	0.052	52.000
276.70	277.70	1.00	24	0.032	32.000
277.70	278.70	1.00	25	0.017	17.000
278.70	279.25	0.55	26	0.047	47.000
279.25	280.25	1.00	27	0.174	174.000
280.25	280.85	0.60	28	0.012	12.000
280.85	281.80	0.95	29	0.319	319.000
281.80	282.60	0.80	30	3.497	3497.000
282.60	283.40	0.80	31	0.206	206.000
283.40	283.90	0.50	32	0.005	5.000
283.90	285.00	1.10	33	0.011	11.000
287.90	288.90	1.00	34	0.005	5.000
288.90	289.80	0.90	35	0.008	8.000

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH

Date: 03/01/94

HOLE No.: D-17

Logged by: R.C.

Collar Eastings: 9980.00

Collar Inclination: -55.00

Collar Northings: 1300.00

Grid Bearing: 90.00

Collar Elevation: 4940.00

Final Depth: 114.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	4.0	(Casing)
4.0	43.1	(Mafic Agglomerate) - fine to medium grained, medium to dark green matrix hosting fragments light to medium green to grey green, 3-4 cm. Fragments abundant. Unit has biotite chlorite aggregates which give a pillow selvage appearance. Frequent small <2 cm calcite veinlets approximately 3 per meter. Foliation at 74 degrees to c.a., calcite veinlets parallel to foliation. Infrequent small porphyries fine grained, medium grey brownish, biotite on foliations at 70 degrees to c.a., generally less than 1 meter in length. 42.3 43.15 porphyry, fine grained, light to medium grey with brownish tinge due to biotite.
43.1	50.0	(Mafic Volcanic) - fine to medium grained, medium to dark green, biotite chlorite aggregates on foliations. Foliations 64 degrees to c.a. Pyrrhotite minor chalcopyrite along foliations 43.1-44.0m in 1-2 mm veinlets.
50.0	64.8	(Mafic Agglomerate) - fine to medium grained, medium to dark green biotitic matrix hosting frequent fragments of light green and green grey mafic. Weakly altered section throughout with minor sulphides. 58.9 60.3 porphyry, fine grained medium grey matrix with minor biotite, local feldspathized bands white. Feldspar phenocrysts to 3-4 mm. Local inclusions of mafic at 59.8-60.1. Unit contains 1-2% pyrite disseminated, fine grained. Mafic agglomerate weakly altered 20 cm above and below porphyry. Foliated 68 degrees to c.a. 64.0 64.8 weakly altered mafic agglomerate 1% pyrite fine grained.
64.8	66.55	(Altered Mafic Agglomerate) - fine to medium grained, light to medium green. Highly foliated with pyrite, pyrrhotite 2-5% sphalerite infrequent to locally <1%. Quartz veining 10-15% of section as 2-3 cm frequent veins. 64.8 66.0 Visible Gold noted 4 locations along section. Unit contains biotite aggregates and minor garnets. Foliations 70 degrees to c.a.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-17

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FROM	TO	LITHOLOGICAL DESCRIPTION
66.55	68.7	(Porphyry) - fine to medium grained, medium grey matrix hosting minor pyrite. Local white feldspathized bands. Minor quartz veining, 1 vein 67.5-4 cm. Feldspar phenocrysts white stretched in lower portion of unit, 67.5-68.7. Bleaching along fractures narrow bands.
68.7	71.0	(Mafic Agglomerate) - fine to medium grained, medium to dark green, variably altered. Foliations variable from weak to moderate at 68 degrees to c.a. 68.7 69.2 moderate altered with 1-3% pyrite pyrrhotite. 69.2 70.2 weakly altered (<1% pyrite pyrrhotite locally. 70.2 71.0 moderately altered with 1-2% pyrite pyrrhotite.
71.0	71.7	(Porphyry) - as above with minor sulphides.
71.7	72.1	(Mafic Agglomerate) - moderately altered, 5% quartz veins with fine pyrite pyrrhotite (<2%.
72.1	73.1	(Mafic Agglomerate) - unaltered
73.1	82.3	(Mafic Volcanic) - fine grained, medium to dark green, weakly foliated with biotite/chlorite aggregates in foliations. Minor infrequent calcite quartz veinlets. Foliations 69 degrees to c.a.
82.3	84.2	(Mafic Agglomerate) - unaltered with light green fragments, minor sulphides from 83.7-84.2.
84.2	85.8	(Porphyry) - fine grained, medium to dark grey matrix hosting white feldspar phenocrysts to 2 mm. 84.2 84.4 90% quartz with 1-2% pyrite pyrrhotite minor sphalerite. One speck of visible gold noted. Small quartz vein at end of section 2 cm wide sphalerite pyrite.
85.8	86.50	(Mafic Agglomerate) - fine grained, medium to dark green foliated, moderately altered in lower section, 1-2% pyrite pyrrhotite. Foliated 63 degrees to c.a.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-17

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FROM	TO	LITHOLOGICAL DESCRIPTION
86.50	87.2	(Quartz Vein) - white quartz vein nil to minor sulphides fractured 63 degrees to c.a.
87.2	88.6	(Porphyry) - as above, minor quartz veining at lower contact, 65 degrees to c.a.
88.6	88.9	(Mafic Agglomerate) - moderately altered.
88.9	90.7	(Mafic Agglomerate) - unaltered foliated 63 degrees to c.a.
90.7	92.1	(Porphyry) - fine grained medium grey to brown tinged biotitic matrix. Local feldspathized bands white unit foliated at 70 degrees to c.a., nil sulphides.
92.1	96.7	(Mafic Agglomerate) - as above with light green and grey green fragments.
92.1	92.8	moderately to strongly altered with 2-3% pyrite pyrrhotite, small <1 cm quartz veins 10% of section.
96.7	96.9	(Quartz Vein) - white to grey with 5% pyrite pyrrhotite and minor sphalerite. One speck of visible gold noted.
96.9	99.6	(Porphyry) - as above nil to minor sulphides. Foliated 68 degrees to c.a.
99.6	114.0	(Mafic Agglomerate) - fine to medium grained, medium to dark green hosting light green to green grey fragments to 4 cm wide. Biotite/chlorite aggregates with "pillow selvage" appearance. 108.0 109.5 porphyry, medium grey to brown tinged local feldspathized patches white, nil sulphides. No veining.
114.0		END OF HOLE

1994/4/15

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** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESSARAH
HOLE NO: D-17
GRID: MAIN

DATE: 03/01/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

COMMENTS:

GRID BEARING 90 deg TRUE AZIMUTH 050 deg

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DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-55.00	90.00	9980.00	1300.00	4940.00
50.00	-52.00	90.00	10009.74	1300.00	4899.81
114.00	-51.00	88.00	10049.58	1300.70	4849.72

1994/4/15

** BORSURV **

Page 1

SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-17

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FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	4.00		OVERBURDEN
4.00	43.10	70	MAFIC AGGLOMERATE
43.10	50.00	64	MAFIC VOLCANIC
50.00	64.80	68	MAFIC AGGLOMERATE
64.80	66.50	70	ALTERED MAFIC AGGLOMERATE
66.50	68.70	70	PORPHYRY
68.70	71.00	68	MAFIC AGGLOMERATE
71.00	71.70	68	PORPHYRY
71.70	72.10	68	MAFIC AGGLOMERATE - weakly altered
72.10	73.10	68	MAFIC AGGLOMERATE
73.10	82.30	69	MAFIC VOLCANIC
82.30	84.20	69	MAFIC AGGLOMERATE
84.20	85.80	69	PORPHYRY
85.80	86.50	63	MAFIC AGGLOMERATE
86.50	87.20	63	QUARTZ VEIN
87.20	88.60	65	PORPHYRY
88.60	88.90	65	ALTERED MAFIC AGGLOMERATE
88.90	90.70	63	MAFIC AGGLOMERATE
90.70	92.10	70	PORPHYRY
92.10	96.70	70	MAFIC AGGLOMERATE
96.70	96.90	70	QUARTZ VEIN
96.90	99.60	68	PORPHYRY
99.60	114.00	68	MAFIC AGGLOMERATE

1994/4/15

** BORSURV **

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ASSAY LOG

PROPERTY: HEMLO DAYOHESARAH

HOLE No.: D-17

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FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
58.40	58.90	0.50	1	0.025	25.000
58.90	59.80	0.90	2	0.005	5.000
59.80	60.30	0.50	3	0.182	182.000
60.30	61.00	0.70	4	0.022	22.000
63.00	64.00	1.00	5	0.419	419.000
64.00	64.80	0.80	6	1.086	1086.000
64.80	65.50	0.70	7	0.603	603.000
65.50	66.00	0.50	8	48.742	48742.000
66.00	66.55	0.55	9	0.220	220.000
66.55	67.50	0.95	10	0.080	80.000
67.50	68.00	0.50	11	6.848	6848.000
68.00	68.70	0.70	12	0.010	10.000
68.70	69.00	0.30	13	1.285	1285.000
69.00	70.20	1.20	14	0.021	21.000
70.20	71.00	0.80	15	0.057	57.000
71.00	71.70	0.70	16	0.045	45.000
71.70	72.10	0.40	17	0.084	84.000
72.10	73.10	1.00	18	0.021	21.000
82.70	83.70	1.00	40	0.005	5.000
83.70	84.20	0.50	19	3.007	3007.000
84.20	84.40	0.20	20	15.523	15523.000
84.40	85.20	0.80	21	0.013	13.000
85.20	85.80	0.60	22	0.182	182.000
85.80	86.50	0.70	23	0.507	507.000
86.50	87.20	0.70	24	0.572	572.000
87.20	87.90	0.70	25	0.068	68.000
87.90	88.60	0.70	26	1.576	1576.000
88.60	88.90	0.30	27	0.107	107.000
88.90	89.70	0.80	28	0.066	66.000
89.70	90.70	1.00	29	0.184	184.000
90.70	91.70	1.00	30	0.017	17.000
91.70	92.10	0.40	31	0.032	32.000
92.10	92.80	0.70	32	0.084	84.000
92.80	93.80	1.00	33	0.024	24.000
96.00	96.70	0.70	34	0.131	131.000
96.70	96.90	0.20	35	117.616	117616.000
96.90	97.90	1.00	36	0.224	224.000
97.90	98.90	1.00	37	0.020	20.000
98.90	99.60	0.70	38	0.046	46.000
99.60	100.60	1.00	39	0.018	18.000

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH

Date: 07/04/94

HOLE No.: D-18

Logged by: R.C.

Collar Eastings: 9970.00

Collar Inclination: -55.00

Collar Northings: 12910.00

Grid Bearing: 90.00

Collar Elevation: 4961.00

Final Depth: 120.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	3.0	(Casing/Overburden)
3.0	5.7	(Mafic Agglomerate) - fine grained, medium to dark green, chloritic matrix hosting light green fragments of mafic volcanic to 3 cm. Frequent calcite veinlets, 1 cm random distribution parallel to foliation at 74 degrees to c.a.
5.7	11.0	(Mafic Volcanic) - fine grained, dark green matrix hosting biotite/chlorite aggregates given medium grained appearance. Minor calcite veinlets <.5 cm.
11.0	32.8	(Mafic Agglomerate) - as above with frequent aggregates of biotite/chlorite which appear like "pillow selvages." These contain garnets throughout the section as 2-3 mm grains and masses. Unit locally has banded appearance due to frequency of fragments and calcite veinlets. Locally "selvages" contain minor pyrrhotite as fine grains. Foliation 64 degrees to c.a. 27.3 28.0 porphyry, fine grained medium grey to brownish tinged due to biotite on foliations at 64 degrees to c.a., contacts 64 degrees, very minor pyrite. 30.45 31.2 porphyry as above.
32.8	50.6	(Mafic Volcanic) - as above, but unit is less foliated massive, minor small quartz veins random orientations. Foliated at 66 degrees to c.a. Lower contact sharp 72 degrees to c.a.
50.6	64.9	(Mafic Agglomerate) - fine grained, medium to dark green matrix hosting fragments to 4 cm light green, variable frequency from infrequent to frequent giving banded appearance. Frequent calcite veinlets to 1 cm. Foliated 74 degrees to c.a. 57.3 58.6 porphyry, fine grained, medium grey brown tinged matrix hosting frequent 25% of section feldspars. Feldspars are white to 5 mm and occur close to upper and lower contact, 20 cm, while center of unit is fine grained with minor feldspars. Biotite on foliations minor sulphides as fine pyrite <1%. Contacts 65 degrees to c.a.
64.9	66.35	(Altered Mafic Agglomerate)

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-18

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION
		- fine grained, medium to light green in layers, hosting garnet rich layers and fine laminae of pyrite pyrrhotite. Minor quartz vein white to glassy. Unit is highly foliated at 64 degrees to c.a. Alteration increases towards bottom of section.
66.35	67.2	(Porphyry) - fine grained, medium grey brown, contact at 64 degrees to c.a. Unit contains fine pyrite <1% with feldspars elongated whitish. Minor quartz veining.
67.2	68.55	(Porphyry) - fine grained, medium grey matrix hosting well developed white feldspars to 4 mm moderately stretched. Unit contains sericite as fine flecks minor calcite.
68.55	70.1	(Altered Mafic Agglomerate) - fine grained to medium grained, medium to dark green matrix hosting garnet/biotite rich layers or laminae. Pyrite minor pyrrhotite occurs as fine disseminations as fine laminae. Sphalerite and galena occur as separate veinlets <1 mm in width at 69.5 intimately associated with small 2 cm quartz vein.
70.1	88.6	(Mafic Agglomerate) - virtually unaltered with aggregate layers of biotite and/or chlorite near upper contact. Fragments light green variably distributed. Biotite occurs a "pillow selvage" aggregates over most of section.
88.6	89.6	(Porphyry) - fine grained, light to medium grey brown tinged local white feldspathized bands, nil to minor pyrite.
89.6	90.65	(Mafic Agglomerate) - as above
90.65	91.05	(Porphyry) - fine dark grey, siliceous.
91.05	92.20	(Altered Mafic) - fine grained layered dark green/light green minor quartz veining. Minor sulphides carbonated.
92.20	92.9	(Quartz Vein/Altered Mafic) - 80% white to glassy quartz with bands of altered mafic. Visible gold noted at 92.7 in quartz vein. Minor sph/galena,

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-18

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FROM	TO	LITHOLOGICAL DESCRIPTION
		<1% pyrite.
92.9	94.4	(Porphyry) - fine grained, medium grey matrix hosting stretched white feldspars along foliations at 75 degrees to c.a. Minor sulphides pyrite. Small feldspathized bands white <2 cm.
94.4	94.8	(Quartz Vein) - white to glassy quartz containing individual grains of sphalerite to 1 mm, galena small and pyrite 1 mm cubes. Sulphides are not very abundant.
94.8	95.5	(Porphyry) - porphyry as above with small mineralized mafic at upper contact at 75 degrees to c.a., 15 cm in length.
95.5	97.0	(Mafic Agglomerate) - as above.
97.0	98.0	(Porphyry) - fine, medium grey matrix hosting white feldspars to 3 mm.
98.0	98.9	(Mafic Agglomerate) - as above.
98.9	101.1	(Porphyry) - fine grained, medium grey, small feldspars, small bands of feldspathized, nil sulphides.
101.1	120.0	(Mafic Agglomerate) - fine grained, dark green with fragment light green fragments. Local small quartz veins white unmineralized.
	120.0	END OF HOLE

1994/4/15

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** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESSARAH
HOLE NO: D-18
GRID: MAIN

DATE: 07/04/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

COMMENTS:
GRID BEARING 090 deg TRUE AZIMUTH 050 deg

=====

DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-55.00	90.00	9970.00	12910.00	4961.00
50.00	-50.00	91.00	10000.44	12909.73	4921.33
120.00	-48.00	93.00	10046.33	12908.13	4868.50

1994/4/15

** BORSURV **

Page 1

SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-18

=====

FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	3.00		CASING/OVERBURDEN
3.00	5.70	74	MAFIC AGGLOMERATE
5.70	11.00	74	MAFIC VOLCANIC
11.00	32.80	64	MAFIC AGGLOMERATE
32.80	50.60	66	MAFIC VOLCANIC
50.60	64.90	74	MAFIC AGGLOMERATE
64.90	66.35	64	ALTERED MAFIC AGGLOMERATE
66.35	67.20	64	PORPHYRY
67.20	68.55	64	PORPHYRY
68.55	70.10	64	ALTERED MAFIC AGGLOMERATE
70.10	88.60	64	MAFIC AGGLOMERATE
88.60	89.60	64	PORPHYRY
89.60	90.65	64	MAFIC AGGLOMERATE
90.65	91.05	64	PORPHYRY
91.05	92.20	65	ALTERED MAFIC AGGLOMERATE
92.20	92.90	66	QUARTZ VEIN
92.90	94.40	75	PORPHYRY
94.40	94.80	75	QUARTZ VEIN
94.80	95.50	75	PORPHYRY
95.50	97.00	75	MAFIC AGGLOMERATE
97.00	98.00	75	PORPHYRY
98.00	98.90	75	MAFIC AGGLOMERATE
98.90	101.10	75	PORPHYRY
101.10	120.00	75	MAFIC AGGLOMERATE

1994/4/15

** BORSURV **

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ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-18

=====

FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
64.20	64.90	0.70	1	0.019	19.000
64.90	65.80	0.90	2	0.318	318.000
65.80	66.35	0.55	3	0.100	100.000
66.35	67.20	0.85	4	0.165	165.000
67.20	67.90	0.70	5	0.018	18.000
67.90	68.55	0.65	6	0.012	12.000
68.55	69.00	0.45	7	0.146	146.000
69.00	69.60	0.60	8	0.099	99.000
69.60	70.10	0.50	9	0.028	28.000
70.10	71.10	1.00	10	0.075	75.000
71.10	72.00	0.90	11	0.017	17.000
72.00	72.70	0.70	12	0.040	40.000
72.70	73.40	0.70	13	0.041	41.000
73.40	74.40	1.00	14	0.016	16.000
87.60	88.60	1.00	15	0.215	215.000
88.60	89.60	1.00	16	NIL	9.000
89.60	90.65	1.05	17	0.917	917.000
90.65	91.05	0.40	18	0.555	555.000
91.05	92.20	1.15	19	1.430	1430.000
92.20	92.90	0.70	20	13.192	13192.000
92.90	93.70	0.80	21	0.850	85.000
93.70	94.40	0.70	22	0.145	145.000
94.40	94.80	0.40	23	9.046	9046.000
94.80	95.50	0.70	24	0.260	260.000
95.50	96.50	1.00	25	0.940	94.000
96.50	97.00	0.50	26	0.007	7.000
97.00	98.00	1.00	27	0.013	13.000
98.00	98.90	0.90	28	0.009	9.000
98.90	99.50	0.60	29	0.013	13.000
99.50	101.10	1.60	30	0.008	8.000
101.10	102.10	1.00	31	0.006	6.000

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH

Date: 04/04/94

HOLE No.: D-19

Logged by: R.C.

Collar Eastings: 9980.00

Collar Inclination: -45.00

Collar Northings: 13050.00

Grid Bearing: 90.00

Collar Elevation: 4939.00

Final Depth: 99.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	3.0	(Overburden/Casing)
3.0	33.0	(Mafic Agglomerate) - fine grained, medium to dark green chloritic matrix hosting light green, generally, to green grey; locally fragments. Fragment frequency varies throughout section from infrequent to frequent-giving core a banded appearance. Local aggregates of biotite chlorite form layers which appears to be "pillow selvage." These contain garnets, red brown, locally. Unit variably foliated at 75 degrees to c.a. Calcite veinlets occur throughout as <1 cm white veins. Quartz veining is very infrequent, 1-3 cm veinlets mainly white to glassy. Sulphides pyrite pyrrhotite occur in some highly foliated zones <1m as fine laminae <1%.
33.0	51.2	(Mafic Volcanic) - fine to medium grained, medium to dark green, chloritic. Local aggregates of biotite/chlorite +/- garnets giving a medium grained appearance. Calcite veinlets frequent 1-2 cm. Quartz infrequent as 1 cm white to glassy veinlets. Small laminae of pyrite pyrrhotite and infrequently chalcopyrite occur parallel to foliation in lower sections of unit. Foliated 78 degrees to c.a.
51.2	51.85	(Porphyry) - fine grained, medium grey to brownish tinged with biotite on foliations. Minor sulphides pyrite disseminated.
51.85	66.1	(Mafic Agglomerate) - as above with minor sulphides.
66.1	69.3	(Porphyry) - fine grained, medium to dark grey, foliated with white stretched small feldspars phenocrysts. Pyrite minor to <1% close to contacts. Foliated at 80 degrees to c.a.
	66.7 67.6	inclusion of altered mafic agglomerate dark green to light green bands, calcite garnets minor quartz veining. Sulphides as pyrite 1-3%, pyrrhotite 1% along foliations and as fine disseminations.
69.3	80.7	(Mafic Agglomerate) - as above foliated 77 degrees to c.a.

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DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-19

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FROM	TO	LITHOLOGICAL DESCRIPTION
80.7	81.2	(Mafic Agglomerate/Quartz Vein) - mafic as above with 50% quartz white to glassy, minor sphalerite/galena.
81.2	82.2	(Porphyry) - fine grained, medium to dark grey foliated with biotite on foliations, 79 degrees to c.a.
82.2	89.5	(Mafic Agglomerate) - as above, 80 degrees to c.a. with porphyry 87.6-88.3.
89.5	93.0	(Porphyry) - fine grained, medium grey, minor biotite on foliations.
89.5	89.7	quartz vein with 2% pyrite, minor sphalerite galena.
90.7	90.9	quartz vein with 3% pyrite, minor sphalerite.
93.0	99.0	(Mafic Agglomerate) - fine grained, medium to dark green with frequent light green fragments. Foliation at 79 degrees to c.a.
99.0		END OF HOLE

1994/4/15

Page 1

** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESSARAH
HOLE NO: D-19
GRID: MAIN

DATE: 04/04/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

COMMENTS:

GRID BEARING 090 deg TRUE AZIMUTH 050 deg

=====

DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-45.00	90.00	9980.00	13050.00	4939.00
51.00	-43.00	90.00	10016.69	13050.00	4903.57
99.00	-40.00	91.00	10052.63	13049.69	4871.77

1994/4/15

** BORSURV **

Page 1

SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESARAH
HOLE No.: D-19

=====

FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	3.00		CASING/OVERBURDEN
3.00	33.00	75	MAFIC AGGLOMERATE
33.00	51.20	78	MAFIC VOLCANIC
51.20	51.85	78	PORPHYRY
51.85	66.10	73	MAFIC AGGLOMERATE
66.10	69.30	80	PORPHYRY
69.30	80.70	77	MAFIC AGGLOMERATE
80.70	81.20	77	QUARTZ VEIN/MAFIC AGGLOMERATE
81.20	82.20	79	PORPHYRY
82.20	89.50	80	MAFIC AGGLOMERATE
89.50	93.00	78	PORPHYRY
93.00	99.00	79	MAFIC AGGLOMERATE

1994/4/15

** BORSURV **

Page 2

ASSAY LOG

PROPERTY: HEMLO DAYOHESARAH

HOLE No.: D-19

FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
50.20	51.20	1.00	1	0.012	12.000
51.20	51.85	0.65	2	0.010	10.000
51.85	52.60	0.75	3	0.019	19.000
63.90	64.50	0.60	4	0.785	1106.000
64.50	65.50	1.00	5	3.338	3338.000
65.50	66.10	0.60	6	0.639	639.000
66.10	66.70	0.60	7	0.261	261.000
66.70	67.60	0.90	8	0.762	762.000
67.60	68.60	1.00	9	0.070	70.000
68.60	69.30	0.70	10	0.228	228.000
69.30	69.80	0.50	11	0.008	8.000
72.00	72.80	0.80	12	0.662	662.000
79.70	80.70	1.00	13	0.010	10.000
80.70	81.20	0.50	14	4.795	4795.000
81.20	82.20	1.00	15	0.005	5.000
82.20	83.20	1.00	16	0.018	18.000
87.60	88.30	0.70	17	0.077	77.000
88.30	89.50	1.20	18	0.236	236.000
89.50	90.00	0.50	19	0.150	150.000
90.00	90.70	0.70	20	0.217	217.000
90.70	91.10	0.40	21	1.907	1907.000
91.10	92.10	1.00	22	0.016	16.000
92.10	93.00	0.90	23	0.041	41.000
93.00	94.00	1.00	24	0.005	5.000

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESARAH

Date: 08/04/94

HOLE No.: D-20

Logged by: R.C.

Collar Eastings: 9825.00

Collar Inclination: -70.00

Collar Northings: 13050.00

Grid Bearing: 90.00

Collar Elevation: 4939.00

Final Depth: 309.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	5.8	(Overburden/Casing to 6m)
5.8	85.3	(Mafic Volcanic) - fine to medium grained, medium to dark green chloritic matrix. Unit contains aggregates of biotite/chlorite/amphibole which gives medium to coarse grained appearance. Section is mainly narrow locally foliated to layered. Calcite veining is infrequent as small white veinlets less than 1 cm in width generally along foliations. Quartz veining very infrequent 5-6m intervals as white to glass quartz, in veins <2 cm in width. Small bands of pegmatitic quartz and feldspar occur randomly. Medium grey, feldspar, white, porphyries occur at 50 degrees to c.a. at 69.4-69.9, 74.9-76.3, 80.1-80.6. Foliations - 20m - 48 degrees, 60m- 50 degrees.
85.3	134.8	(Mafic Agglomerate) - fine to medium grained, medium to dark green matrix hosting frequent fragments light green to grey green to 5 cm wide. Aggregates of biotite chlorite given pillow selvage appearance, <1 cm in width. Near upper contact light brownish yellow carbonate veinlets occur, andalusite?, along foliation. Foliation at 110-51 degrees to c.a. 106.0 109.0 mafic volcanic as above, massive. 129.2 130.7 diabase, fine grained diabase texture at 58 degrees to c.a.
134.8	140.2	(Mafic Volcanic) - fine to medium grained, medium to dark green, massive matrix with aggregates of biotite/chlorite, contact at 56 degrees to c.a.
140.2	195.8	(Mafic Agglomerate) - fine to medium grained, medium to dark green matrix hosting fragments to 4 cm light to medium green to locally light to medium grey. Aggregates of biotite/chlorite form small layers <2 cm wide which appear like "pillow selvages." These contain garnet grained to 2 mm and infrequently contain minor pyrite/pyrrhotite. Yellow/brown carbonate continues as above to <1 cm in width. Unit is foliated 58 degrees to c.a. at 181m. Small feldspar porphyries occur <1m in width. Fragment frequently increases towards bottom of section to near banded appearance. 154.0 155.2 porphyry at 50 degrees to c.a.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-20

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION
195.8	221.2	(Diabase) - fine to medium grained, dark green grey with feldspar phenocrysts to 1 cm greenish epidote colour. Contacts at 50 degrees to c.a, feathered. Unit is magnetic.
221.2	222.1	(Altered Mafic Agglomerate) - 5-10% sulphides minor quartz veining.
222.1	258.7	(Mafic Agglomerate) - as above with small feldspar porphyries, 3, <1m in length. Foliated at 60 degrees to c.a.
258.7	258.9	(Porphyry) - fine grained, medium grey biotitic matrix hosting feldspar phenocrysts white to 5 mm.
258.9	260.1	(Mafic Agglomerate/Porphyry) - fine grained dark green agglomerate with fine grained, medium grey porphyry.
260.1	261.75	(Altered Mafic Agglomerate) - fine grained medium green to light green bands at 60 degrees to c.a. Pyrite/pyrrhotite 2-5% in foliations.
261.75	263.3	(Altered Mafic Agglomerate) - as above with 5-10% pyrite pyrrhotite with 5% quartz veining with minor sphalerite/galena associated with quartz veins.
263.3	265.25	(Porphyry) - fine grained, grey to brown tinged with biotite in matrix with minor sulphides and small qtz vein at lower contact 61 degrees to c.a.
265.25	265.8	(Altered Mafic Agglomerate) - as above with quartz vein near upper contact. Sulphides 5% overall but 10% plus near upper contact.
265.8	283.4	(Mafic Agglomerate) - fine grained, medium to dark green chloritic matrix. Hosting fragments to 4 cm mainly light grey but infrequently grey green. Fragments are locally abundant to g????? banded appearance at 64 degrees to c.a. Local bull white qtz vein.
283.4	283.8	(Quartz Vein) - white, sphalerite galena <1%, pyrite <1%.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-20

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION
283.8	285.0	(Porphyry) - as above with no veining minor sulphides. 64 degrees to c.a.
285.0	298.8	(Mafic Agglomerate) - as above with more frequent grey green fragments.
298.8	299.7	(Altered Mafic Agglomerate) - fine to medium grained, light green to dark green bands, 3-5% pyrite pyrrhotite with 10% qtz veining.
	299.4 299.7	50% quartz veining minor sphalerite.
299.7	300.9	(Porphyry) fine grained, medium grey brown tinged with biotite along foliation 64 degrees to c.a., minor sulphides.
300.9	309.0	(Mafic Agglomerate) - as above.
	309.0	END OF HOLE

1994/4/15

Page 1

** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESSARAH
HOLE NO: D-20
GRID: MAIN

DATE: 08/04/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

COMMENTS:

GRID BEARING 090 deg TRUE AZIMUTH 050 deg

=====

DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-70.00	90.00	9825.00	13050.00	4939.00
51.00	-66.00	90.00	9844.10	13050.00	4891.71
102.00	-63.00	91.00	9866.06	13049.81	4845.68
150.00	-58.00	92.00	9889.69	13049.19	4803.90
201.00	-56.00	93.00	9917.44	13047.98	4761.13
252.00	-55.00	94.00	9946.27	13046.21	4719.10
309.00	-55.00	97.00	9978.81	13043.08	4672.41

1994/4/15

** BORSURV **

Page 1

SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-20

=====

FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	5.80		OVERBURDEN - casing to 6 m
5.80	85.30	50	MAFIC VOLCANIC
85.30	134.80	51	MAFIC AGGLOMERATE
134.80	140.20	56	MAFIC VOLCANIC
140.20	195.80	52	MAFIC AGGLOMERATE
195.80	221.20	50	DIABASE
221.20	222.10	60	ALTERED MAFIC AGGLOMERATE
222.10	258.70	60	MAFIC AGGLOMERATE
258.70	258.90	60	PORPHYRY
258.90	260.10	60	MAFIC AGGLOMERATE/PORPHYRY
260.10	261.75	60	ALTERED MAFIC AGGLOMERATE
261.75	263.30	60	ALTERED MAFIC AGGLOMERATE
263.30	265.25	60	PORPHYRY
265.25	265.80	60	ALTERED MAFIC AGGLOMERATE
265.80	283.40	64	MAFIC AGGLOMERATE
283.40	283.80	64	QUARTZ VEIN
283.80	285.00	64	PORPHYRY
285.00	298.80	64	MAFIC AGGLOMERATE
298.80	299.70	64	ALTERED MAFIC AGGLOMERATE
299.70	300.90	64	PORPHYRY
300.90	309.00	64	MAFIC AGGLOMERATE

1994/4/15

** BORSURV **

Page 2

ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-20

=====

FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
221.20	222.10	0.90	1	0.104	104.000
222.10	223.10	1.00	2	0.006	6.000
259.10	260.10	1.00	3	0.008	8.000
260.10	261.00	0.90	4	0.188	188.000
261.00	261.75	0.75	5	0.608	608.000
261.75	262.35	0.60	6	12.795	12795.000
262.35	263.30	0.95	7	1.126	1126.000
263.30	264.25	0.95	8	0.442	442.000
264.25	265.25	1.00	9	0.078	78.000
265.25	265.80	0.55	10	0.281	281.000
265.80	266.80	1.00	11	0.025	25.000
282.40	283.40	1.00	12	0.029	29.000
283.40	283.80	0.40	13	0.144	144.000
283.80	285.00	1.20	14	0.014	14.000
285.00	286.00	1.00	15	0.011	11.000
297.80	298.80	1.00	16	0.132	132.000
298.80	299.40	0.60	17	2.768	2768.000
299.40	299.70	0.30	18	17.060	17060.000
299.70	300.40	0.70	19	0.028	28.000
300.40	300.90	0.50	20	0.072	72.000
300.90	301.90	1.00	21	0.022	22.000

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-21
 Collar Eastings: 9940.00
 Collar Northings: 13025.00
 Collar Elevation: 4949.00

Date: 10/04/94
 Logged by: R.C.
 Collar Inclination: -70.00
 Grid Bearing: 90.00
 Final Depth: 165.00 metres

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	2.4	(Overburden/Casing to 3m)
2.4	20.8	(Diabase) - medium grey, medium grained, diabasic texture with large feldspar phenocrysts to 5 mm. Phenocrysts light epidote green. Lower contact 46 degrees to c.a.
20.8	78.0	(Mafic Agglomerate) - fine to medium grained, medium to dark green matrix hosting light green to light grey green fragments. Fragments become locally abundant giving nearly banded appearance. Aggregates of biotite chlorite form small bands or layers locally contorted. Garnets occur in layers as grains to 2 mm and clusters. Quartz veining white unmineralized to 10 cm at 80 degrees to c.a. Unit is foliated at 56 degrees to c.a. Minor calcite veinlet <1 cm. 61.5 63.1 quartz feldspar pegmatitic zone fine grained overall with coarse grained section minor pyrite, minor sericite. Additional small sections <10 cm continue to end of section. Contacts 30 degrees to c.a.
78.0	91.0	(Mafic Volcanic) - fine grained, medium to dark green massive with small calcite veinlets <.5cm.
91.0	101.7	(Mafic Agglomerate) - as above; local quartz veins 91-92m altered mafic agglomerate with 10% qtz veining 1-2% pyrite pyrrhotite. Medium green, light green bands at 57 degrees to c.a. 97.25 98.1 porphyry fine grained, grey brownish tinged 20 cm quartz veins white at 97.5-97.8.
101.7	131.5	(Mafic Volcanic) - as above, moderately foliated. 104.0 105.8 foliated with fine laminae of pyrrhotite minor pyrite as massive 1-2 mm veinlets at 60 degrees to c.a. - small local bands of mafic agglomerate.
131.5	131.95	(Altered Mafic Agglomerate) - fine grained with alternating bands of dark green and light green mafics, 1% sulphides.
131.95	133.75	(Altered Mafic Agglomerate)

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESSARAH
 HOLE No.: D-21

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION
		- highly altered as above with 10% qtz veining with sphalerite galena and pyrite, pyrrhotite as 20% in quartz veining, 5-10% overall. 132.2 - visible gold.
133.75	136.4	(Porphyry) - fine grained, medium grey with stretched white feldspar phenocrysts <1% pyrite as fine disseminations.
136.4	138.0	(Altered Mafic Agglomerate) - as above with 5% qtz veining overall, 1-5% pyrite pyrrhotite minor sphalerite galena, foliated 60 degrees to c.a.
138.0	138.5	(Porphyry) - fine grained medium grey, small stretched feldspars with minor pyrite.
138.5	139.1	(Altered Mafic Agglomerate) - minor quartz veining, <1% pyrite.
139.1	140.9	(Mafic Agglomerate) - as above.
140.9	155.1	(Mafic Volcanic) - as above.
155.1	155.3	(Quartz Vein) - visible gold with galena sphalerite.
155.3	157.4	(Porphyry) - fine grained, medium grey to dark grey minor to 1% sulphide as fine pyrite. Foliated 60 degrees to c.a.
157.4	160.0	(Mafic Volcanic) - as above foliated at 60 degrees to c.a.
160.0	160.5	(Altered Mafic) - dark green, light green bands with 5% quartz veining near end of section, 3-5% sulphides in quartz veined area.
160.5	162.4	(Porphyry) - fine grained, dark grey with minor pyrite local white feldspar altered zones.
162.4	165.0	(Mafic Volcanic) - as above with local bands of mafic agglomerate.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: HEMLO DAYOHESARAH
HOLE No.: D-21

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION
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165.0		END OF HOLE
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1994/4/15

Page 1

** BORSURV **

SURVEY DATA AND CALCULATED CO-ORDINATES (metres)

PROPERTY: HEMLO DAYOHESSARAH
HOLE NO: D-21
GRID: MAIN

DATE: 10/04/94
SURVEY BY: R.C.
INSTRUMENT: ACID/TROPARI

COMMENTS:

GRID BEARING 090 deg TRUE AZIMUTH 050 deg

=====

DEPTH	INCLINATION	BEARING	EASTINGS	NORTHINGS	ELEVATION
0.00	-70.00	90.00	9940.00	13025.00	4949.00
51.00	-68.00	90.00	9958.28	13025.00	4901.39
105.00	-61.00	89.00	9981.52	13025.20	4852.65
165.00	-59.00	87.00	10011.51	13026.25	4800.69

1994/4/15

** BORSURV **

Page 1

SUMMARY LITHO LOG
PROPERTY: HEMLO DAYOHESSARAH
HOLE No.: D-21

=====

FROM	TO	C.A.	LITHOLOGICAL UNIT
0.00	2.40		OVERBURDEN/CASING to 3m
2.40	20.80	46	DIABASE
20.80	78.00	56	MAFIC AGGLOMERATE
78.00	91.00	56	MAFIC VOLCANIC
91.00	101.70	57	MAFIC AGGLOMERATE
101.70	131.50	60	MAFIC VOLCANIC
131.50	131.95	60	ALTERED MAFIC AGGLOMERATE
131.95	133.75	59	ALTERED MAFIC AGGLOMERATE
133.75	136.40	60	PORPHYRY
136.40	138.00	60	ALTERED MAFIC AGGLOMERATE
138.00	138.50	60	PORPHYRY
138.50	139.10	60	ALTERED MAFIC AGGLOMERATE
139.10	140.90	60	MAFIC AGGLOMERATE
140.90	155.10	60	MAFIC VOLCANIC
155.10	155.30	60	QUARTZ VEIN
155.30	157.40	60	PORPHYRY
157.40	160.00	60	MAFIC VOLCANIC
160.00	160.50	60	ALTERED MAFIC AGGLOMERATE
160.50	162.40	60	PORPHYRY
162.40	165.00	60	MAFIC VOLCANIC

1994/4/15

** BORSURV **

Page 2

ASSAY LOG

PROPERTY: HEMLO DAYOHESSARAH

HOLE No.: D-21

=====

FROM	TO	WIDTH	SAMPLE #	Au g/t	Au ppb
90.00	91.00	1.00	1	0.005	5.000
91.00	92.00	1.00	2	0.010	10.000
92.00	93.00	1.00	3	0.005	5.000
96.25	97.25	1.00	4	0.005	5.000
97.25	98.10	0.85	5	0.005	5.000
98.10	99.10	1.00	6	0.005	5.000
104.00	105.00	1.00	7	0.005	5.000
105.00	105.80	0.80	8	0.005	5.000
130.50	131.50	1.00	9	0.015	15.000
131.50	131.95	0.45	10	0.166	166.000
131.95	132.80	0.85	11	0.491	491.000
132.80	133.75	0.95	12	0.518	518.000
133.75	134.75	1.00	13	0.034	34.000
134.75	135.75	1.00	14	0.026	26.000
135.75	136.40	0.65	15	0.032	32.000
136.40	137.00	0.60	16	6.520	6520.000
137.00	138.00	1.00	17	0.203	203.000
138.00	138.50	0.50	18	0.012	12.000
138.50	139.10	0.60	19	0.081	81.000
139.10	140.10	1.00	20	0.010	10.000
154.10	155.10	1.00	21	0.092	92.000
155.10	155.40	0.30	22	2.755	2755.000
155.40	156.00	0.60	23	0.014	14.000
156.00	156.70	0.70	24	0.006	6.000
156.70	157.40	0.70	25	0.246	246.000
157.40	158.40	1.00	26	0.033	33.000
160.00	160.50	0.50	27	0.042	42.000
160.50	161.50	1.00	28	0.109	109.000
161.50	162.40	0.90	29	0.018	18.000

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
DOCUMENT No.
176208 00047



42C15SW0006 W9450-00047 ODLUM

900

Personal information collected on this form is obtained under the authority of the Mining Act. Collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Thunder Bay, Ontario, P7B 6A5, telephone (705) 670-7264.

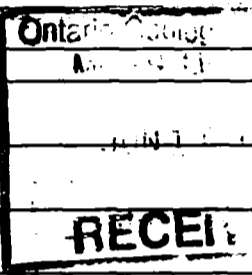
- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this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

384/392

Recorded Holder(s) Noranda Exploration Company, Limited/Hemlo Gold Mines Inc./John Ternowesky	Client No. 176208/143550/A200691
Address c/o 960 Alloy Drive, Thunder Bay, Ontario P7B 6A1	Telephone No. (807) 623-4339
Mining Division Sault Ste Marie	Township/Area Odlum/Hambleton
	M or G Plan No. M-3495/M-1753
Dates Work Performed From: January 10, 1994 To: April 30, 1994	

Work Performed (Check One Work Group Only)

Work Group	Type	Ontario Assessment
<input type="checkbox"/> Geotechnical Survey		
<input checked="" type="checkbox"/> Physical Work, including Drilling	Diamond Drilling (Holes HD 7-21, inclusive)	
<input type="checkbox"/> Rehabilitation		
<input type="checkbox"/> Other Authorized Work		
<input type="checkbox"/> Assays		
<input type="checkbox"/> Assignment from Reserve		



Total Assessment Work Claimed on the Attached Statement of Costs \$ 246,329

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

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

Name	Address
Timber Plowing	c/o Jim Pawluk, R.R.#1, Dorion, Ontario P0T 1K0
Chibougamau Diamond Drilling	526 Route 167, CP4, Chibougamau, P.Q. G8P 2K5
R.Calhoun (Author)	c/o 960 Alloy Drive, Thunder Bay, Ontario P7B 6A1
J.Londry, J.Sullivan, B.MacLachlan, S.Londry	c/o 960 Alloy Drive, Thunder Bay, Ontario P7B 6A1

(Attach a schedule if necessary)

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

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date May 16/94	Recorded Holder or Agent (Signature) <i>[Signature]</i>
--	--------------------------	--

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Cecilia M. Barrett, 960 Alloy Drive, Thunder Bay, Ontario P7B 6A1		
Telephone No. (807) 623-4339	Date May 16/94	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded \$2,400.00	Date Recorded May 24/94	Mining Recorder ACTING C.A. Kuylo	RECEIVED 24 MAI 1994 AM 7,8,9,10,11,12,1,2,3,4,5,6 PM
	Deemed Approval Date	Date Approved June 8/94	
Reserve \$243,929.00	Date Notice for Amendments Sent		



Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction Number / Numéro de transaction
W0450.00047

384/392

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	39,710	
	Field Supervision Supervision sur le terrain	10,574	50,284
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type Tri-Timber Plowing	1,944	
	Chibougamau DD	158,367	
	Assaying	4,083	164,394
Supplies Used Fournitures utilisées	Type CoreBoxes, etc.	2,346	
			2,346
Equipment Rental Location de matériel	Type Snowmobile	1,188	
			1,188
Total Direct Costs Total des coûts directs			218,212

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Trucks	3,705	
	Gas	1,438	
			5,143
Food and Lodging Nourriture et hébergement		2,818	2,818
Mobilization and Demobilization Mobilisation et démobilité	Drill	18,000	
	Helicopter	2,156	20,156
Sub Total of Indirect Costs Total partiel des coûts indirects			28,117
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			43,405
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			246,329

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	× 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
	× 0,50 =

Certification Verifying Statement of Costs

I hereby certify: that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form. Lands Administrator

that as _____ I am authorized (Recorded Holder, Agent, Position in Company) to make this certification

Attestation de l'état des coûts

J'atteste par la présente : que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé (titulaire enregistré, représentant, poste occupé dans la compagnie) à faire cette attestation.

Signature: *[Signature]* Date: May 16/94

DISTRICT OF ALGOA

SAULT STE MARIE MINING DIVISION

SCALE 1-INCH 40 CHAINS

LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MAPS IN CHANGES
- MINES
- ANCELLS
- STOP

NOTES

100' Surface Right Reserved
 Areas Withdrawn from Staking Under
 Section 36 of the Mining Act (R.S.O.) 1980

ORDER NO.	FILE	DATE	DISPOSITION
(R1)	W-SSM 08/89	21/08/89	M and S M and S RIGHTS REOPENED FOR STAKING SEE ORDER #0-18/88 DATED MARCH 10/88
(R2)	W-SSM 12/89	19/11/89	M and S REOPENED NOV. 19/89 (see previous order)
(R3)	W-SSM 08/89	26/11/89	M and S WITHDRAWN NOV. 26/89
(R4)	W-SSM 09/89	26/11/89	M and S WITHDRAWN NOV. 26/89

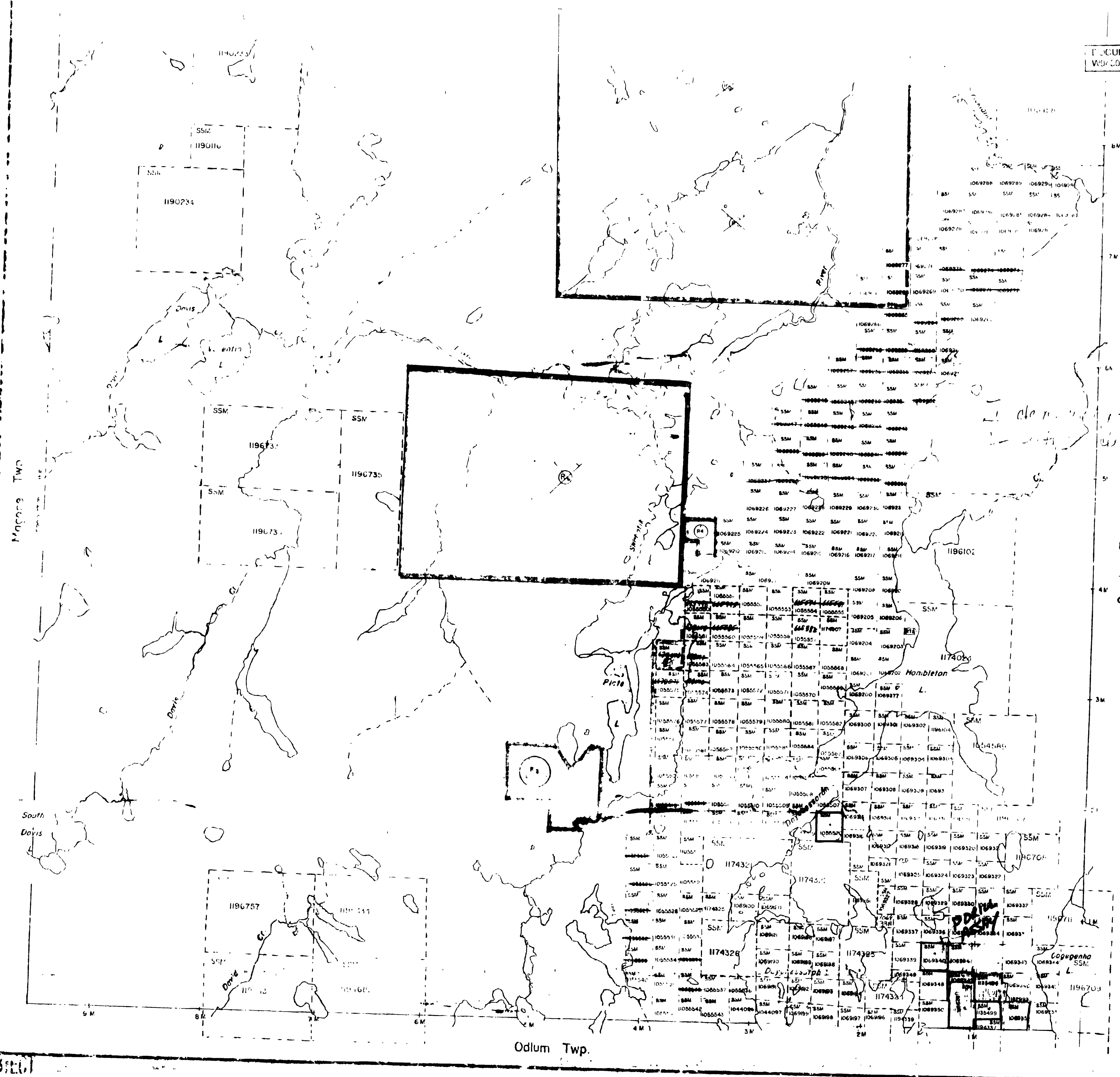
NOTICE OF FORESTRY ACTIVITY
 THIS TOWNSHIP / AREA FALLS WITHIN THE
 Sault Ste Marie Mining Division (Mina District)
 AND MAY BE SUBJECT TO FORESTRY OPERATIONS
 THE MINING DIVISION FORESTRY SECTION CAN BE
 CONTACTED AT:
 Highway 301
 Sault Ste Marie, Ontario POS 1K0
 (705) 856-2306
 RL - Forest Management Activities

PLAN NO. M.1753

DEPARTMENT OF MINES
ONTARIO

THE INFORMATION THAT
 APPEARS ON THIS MAP
 HAS BEEN COMPILED
 FROM VARIOUS SOURCES
 AND ACCURACY IS NOT
 GUARANTEED. THOSE
 WISHING TO STAKE MIN-
 ING CLAIMS SHOULD CON-
 SULT WITH THE MINING
 RECORDER, MINISTRY OF
 NORTHERN DEVELOP-
 MENT AND MINES FOR AD-
 DITIONAL INFORMATION
 ON THE STATUS OF THE
 LANDS SHOWN HEREON.

1753
 TOWNSHIP SUBJECT
 W9430 00047



49450.00047

DOCUMENT No. W9450 00047

AP

HAMBLETON TP.

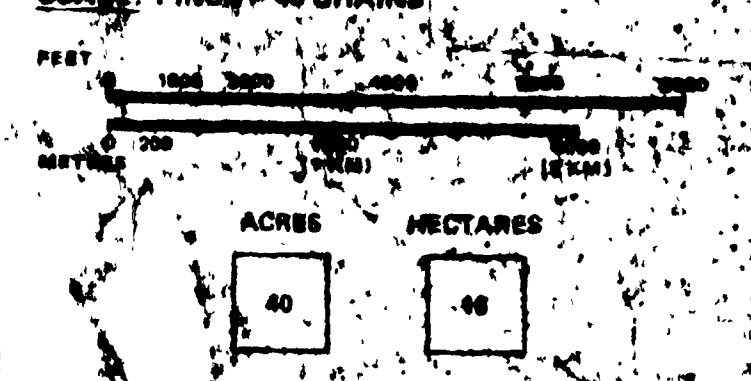
U - same as performed
C - same as applied
C - contiguous claims

LEGEND

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

WARNING

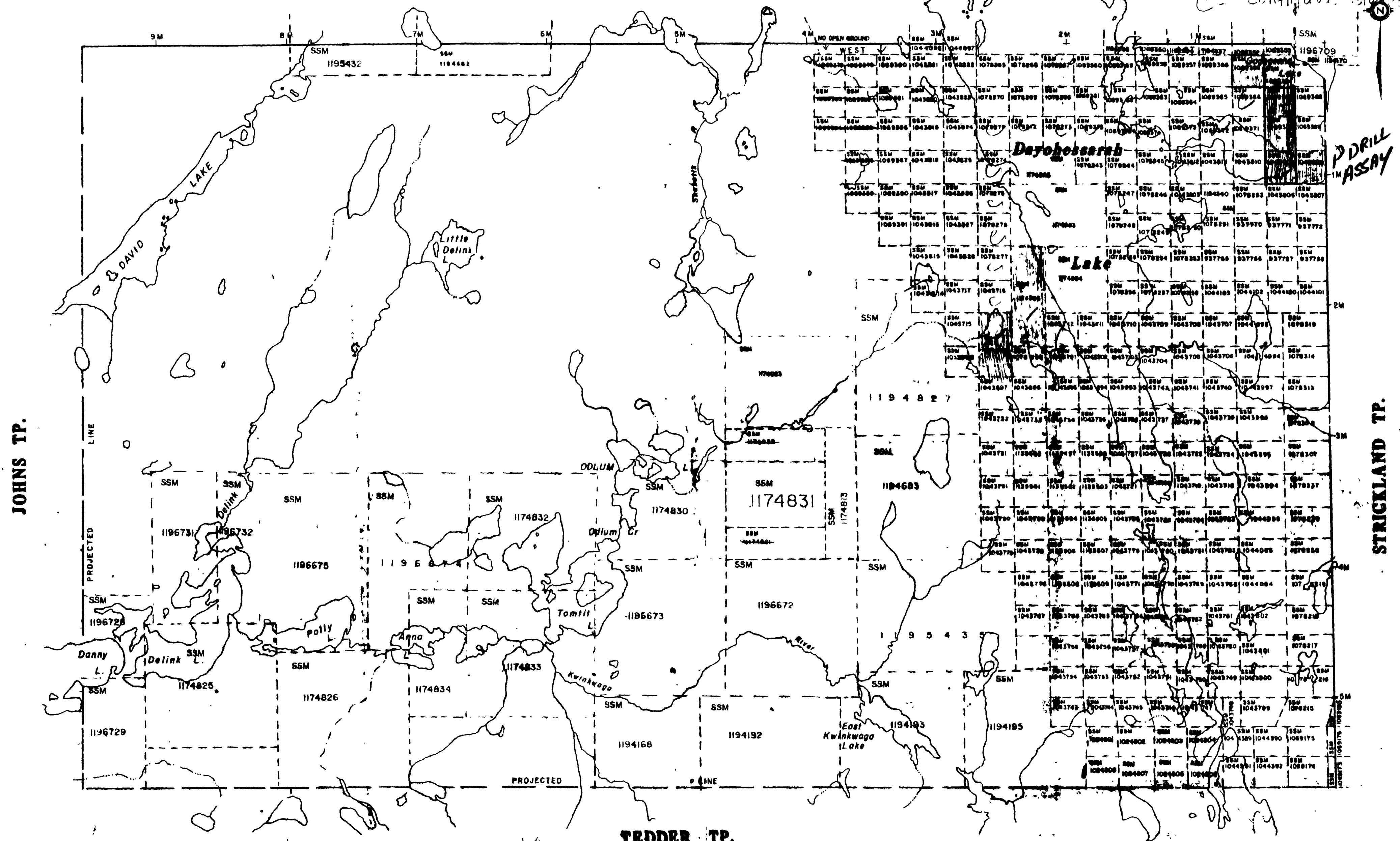
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THESE CLAIMS SHOULD BE CHECKED WITH THE MINING RECORDS, MINISTRY OF NORTHERN DEVELOPMENT AND MINES FOR AN ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



TOWNSHIP
ODLUM
M.N.B. ADMINISTRATIVE DISTRICT
WAWA
MINING DIVISION
SAULT STE MARIE
LAND TITLED / REGISTRY DIVISION
ALGOMA

Ministry of Natural Resources Ontario
Ministry of Northern Development and Mines

Date: JULY, 1992
Number: **G-2805**



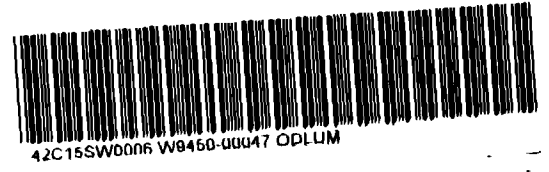
STRICKLAND TP.

JOHNS TP.

TEDDER TP.

MAY 6 PUBLIC REG 1

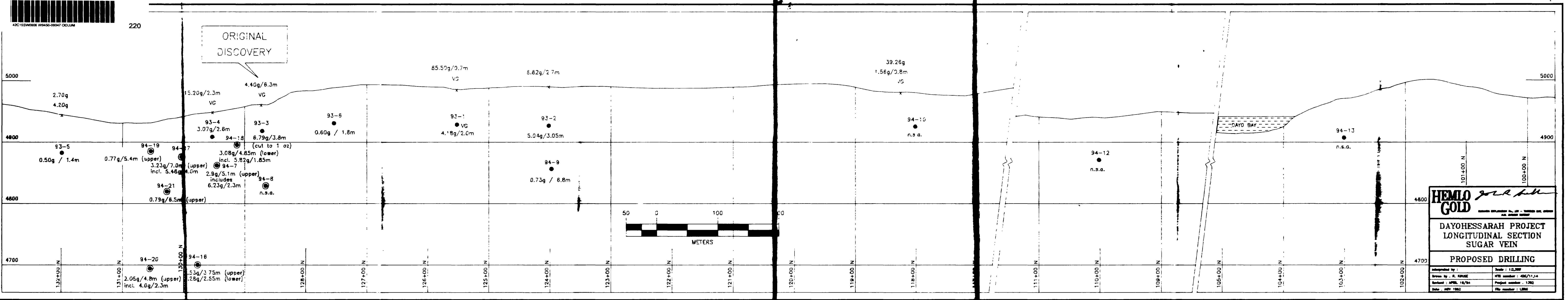
ITS





220

ORIGINAL
DISCOVERY



HEMLO GOLD

DAYOHESSARAH PROJECT
LONGITUDINAL SECTION
SUGAR VEIN

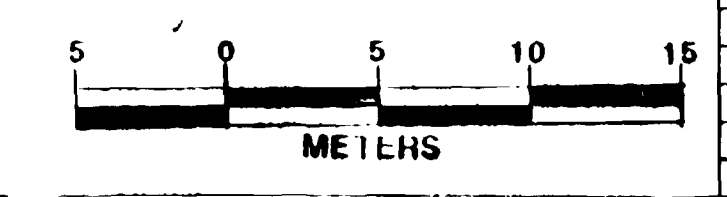
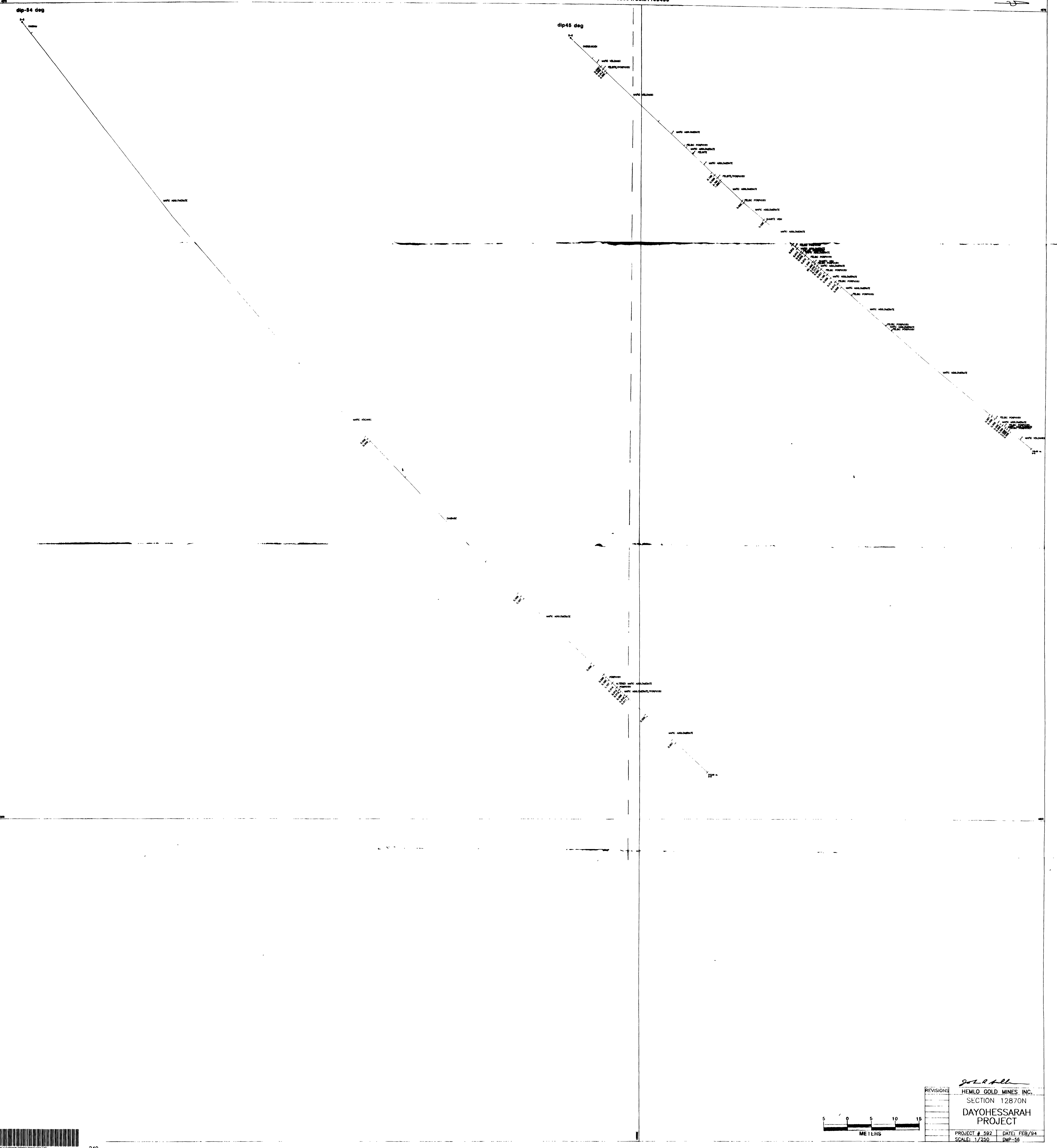
PROPOSED DRILLING

Prepared by: J. R. GRIFFIN	Date: 12/20/00
Drawn by: J. R. GRIFFIN	File number: 42C/713-4
Revised: APRIL 16/04	Project number: 1202
Date: NOV 1982	File number: 1202

SSM1182094/SSM1138400

dip-84 deg

dip45 deg



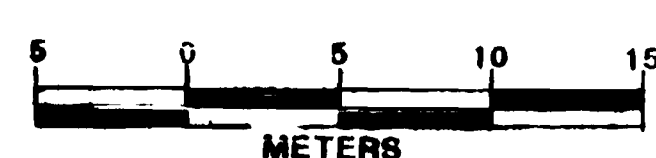
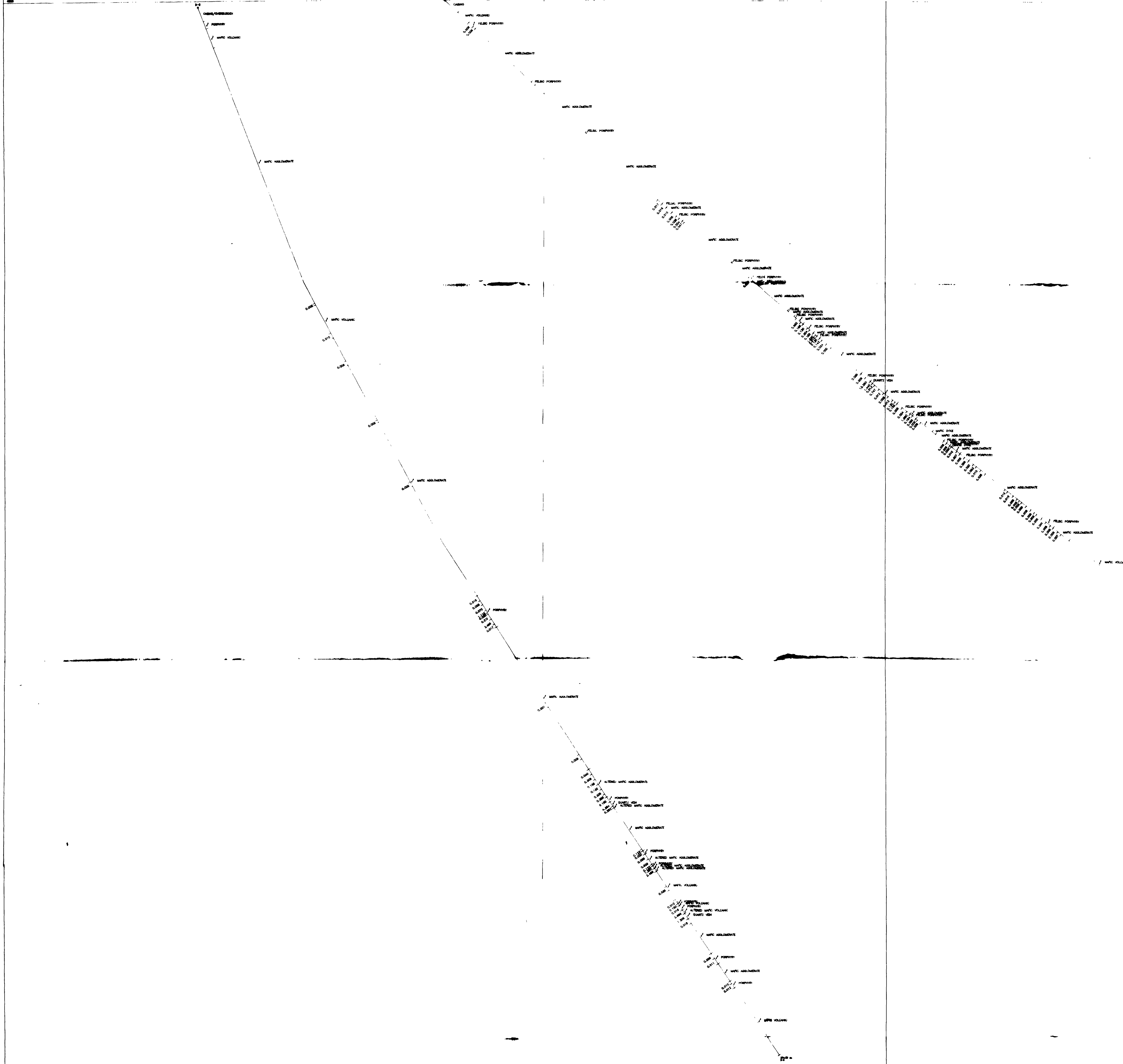
REVISIONS	HEMLO GOLD MINES INC.
	SECTION 12870N
	DAYOHESSARAH
	PROJECT # 592 DATE: FEB/94
	SCALE: 1/250 DMP-56



dip-72 deg

dip45 deg

SSM 1162993/SSM1069352



REVISIONS	HEMLO GOLD MINES INC.	
	SECTION 12400N	
	DAYOHESSARAH PROJECT	
	PROJECT # 592	DATE: FEB/94
	SCALE: 1/250	DMP-56

AZIMUTH 50deg

dip-46deg

SSM1069355/SSM1069354

0-10
LABRU/OVERBENCH

MFC VILLAGE

MFC ASSESSMENT

0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10

MFC VILLAGE

MFC ASSESSMENT

0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10

MFC ASSESSMENT

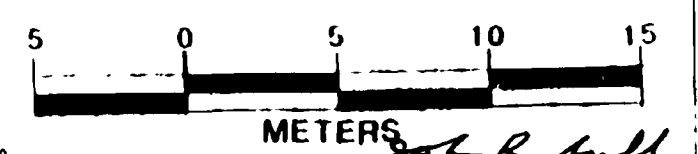
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10

MFC ASSESSMENT

0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10

MFC VILLAGE

0-10



REVISION: *John Miller*
HEMLO GOLD MINES INC.
SECTION 118001
DAYOHESARAH
PROJECT
ASSAYS IN g/t
PROJECT # 592 DATE: FEB/94
SCALE: 1/250 DMP 56



dip-46 deg

SM1069367/SSM1069354

AZIMUTH 50deg

CHINA/CHINA/CHINA

MAPLE AGGREGATE

MAPLE VOLCANIC

TELEPHONE PROPERTY

MAPLE AGGREGATE

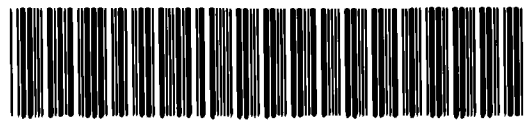
MAPLE VOLCANIC

MAPLE



John Hill

REVISIONS: HEMLO GOLD MINES INC.
SECTION 11600N
DAYONESSARAH
PROJECT
ASSETS IN 4/1
PROJECT # 992 DATE 11/15/94
SCALE: 1/250 DMP 56



dip-46 deg

AZIMUTH 50deg

D-12
CASINO/OVERBENCH

MAPLE HAZELBERRY

1.20
1.20
1.20

1.80

1.70

MAPLE VOLCANIC

0.80

1.80
1.80
1.80

1.80

MAPLE HAZELBERRY

1.80
1.80
1.80

MAPLE VOLCANIC

0.80

CLM# 1069370



METERS

[Signature]

REVISIONS	HEMLO GOLD MINES INC.
	SECTION 11000N
	DAYONESSARAH
	PROJECT
	ASSAYS IN g/t
	PROJECT # 582 DATE : FEB/94
	SCALE : 1/250 DMP 56



AZIMUTH 52deg

dip-46 deg

SSM1043809/SSM1043808

CABLE/CONDUCTOR

1.000
1.000

WAVE ADD/DIMINUTE

WAVE VOLTAGE/FREQUENCY

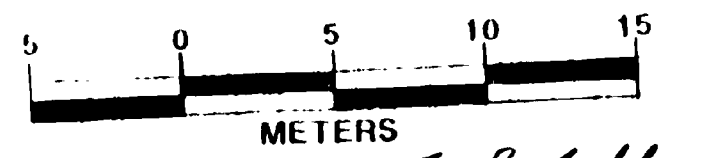
WAVE AMPLITUDE

WAVE PERIOD

WAVE PERIOD

WAVE VOLTAGE

WAVE PERIOD



HEMLO GOLD MINES INC.
SECTION 10370N
DAYOHESSARAI
PROJECT
ASSAYS IN g/t
PROJECT # 592 DATE : FEB/94
SCALE: 1/250 DMP-56



dip-70 deg

SSM1182994/SSM1069347

AZIMUTH 50deg

1000000

1000000

1000000

1000000

1000000

1000000

1000000

1000000

1000000

1000000

1000000

1000000

1000000

1000000

3000000

HEMLO GOLD MINES INC.

SECTION 13050N

DAYOHESSARAH

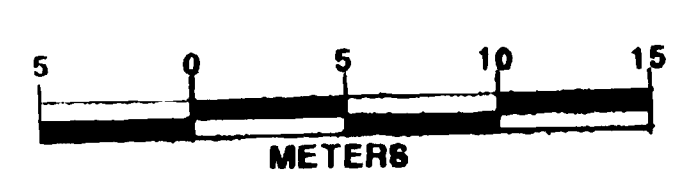
PROJECT

ASSAYS In g/t

PROPERTY # 888

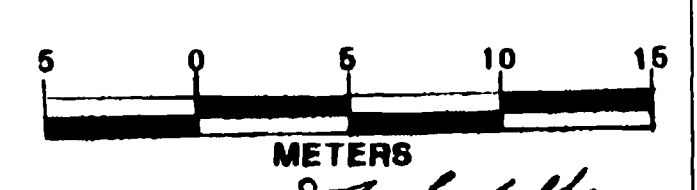
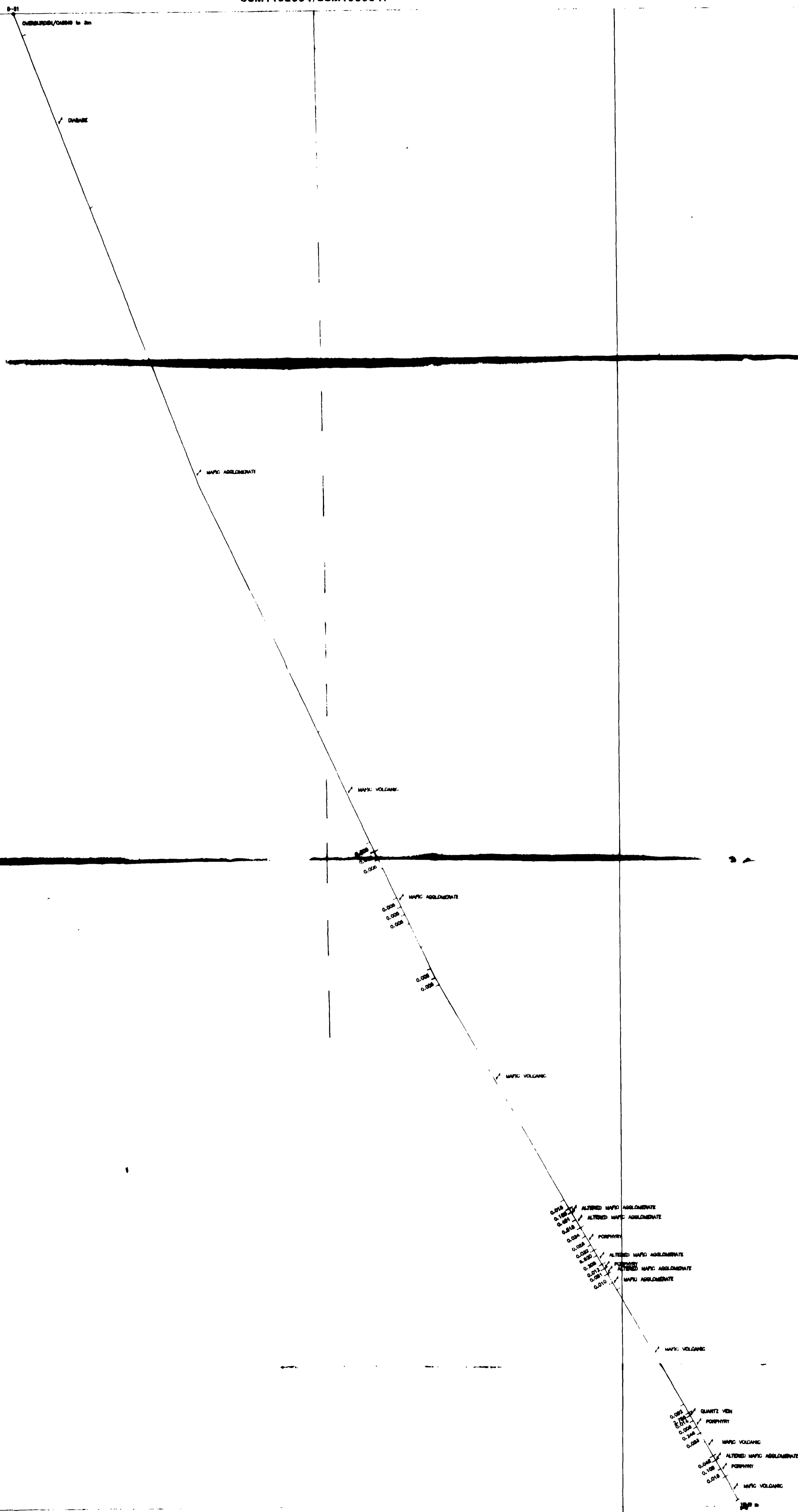
DATE 2004

SCALE



dip-71 deg

SSM1182994/SSM1069347



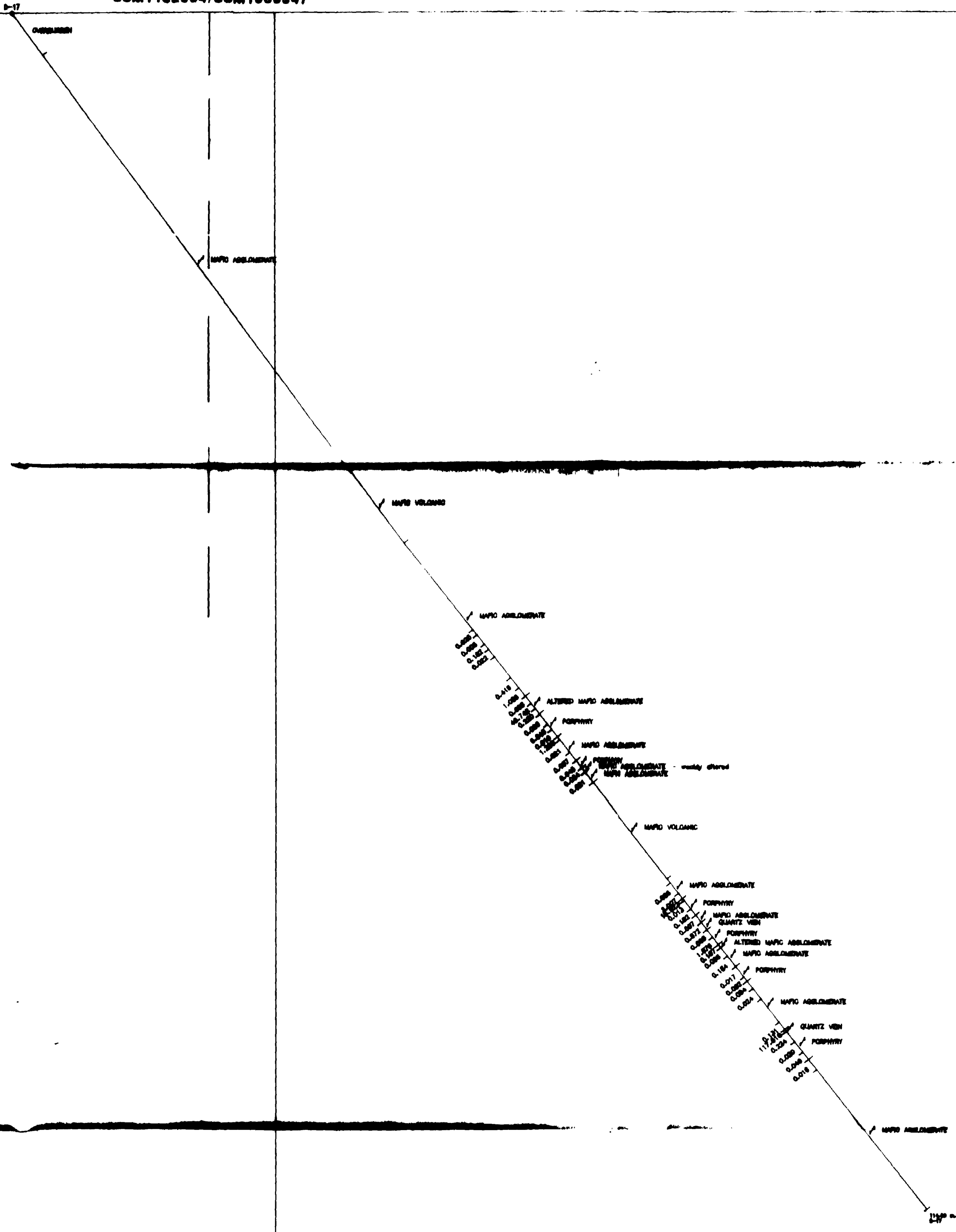
REVISIONS	HEMLO GOLD MINES INC.
	SECTION 13025N
	DAYOHESSARAH PROJECT
	ASSAYS in g/t
	PROJECT # 582 DATE : APR/94
	SCALE: 1/250 DMP-56



dip-55 deg

SSM1182004/SSM1069347

AZIMUTH 80deg

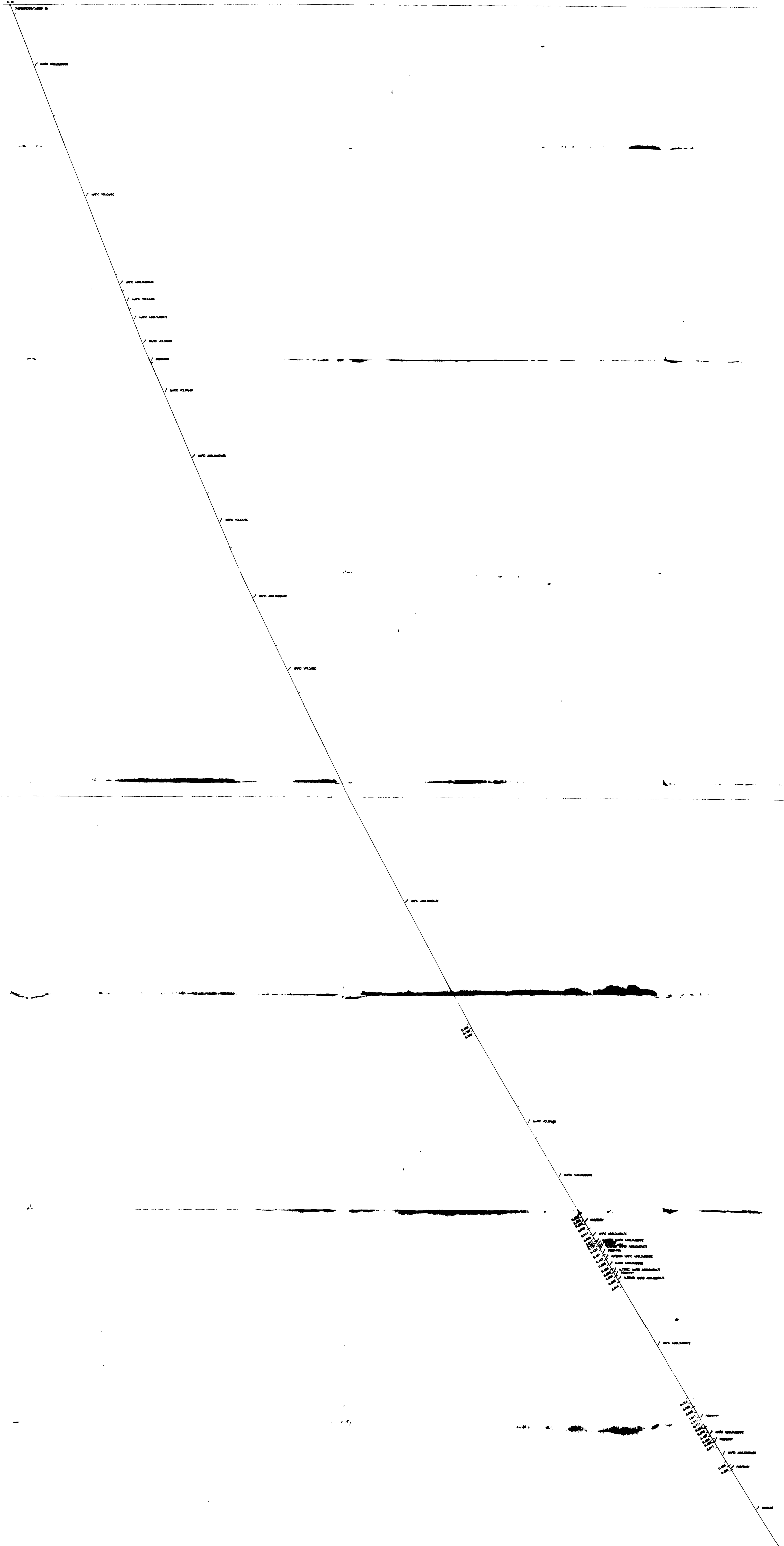


REVISIONS	HEMLD GOLD MINES INC.
	SECTION 13000N
	DAYOHESSARAH
	PROJECT
	ASSAYS in g/t
	PROJECT # 582 DATE: 1 APR/84
	SCALE: 1/250 DMP-89



dip-70 deg

AZIMUTH 80deg



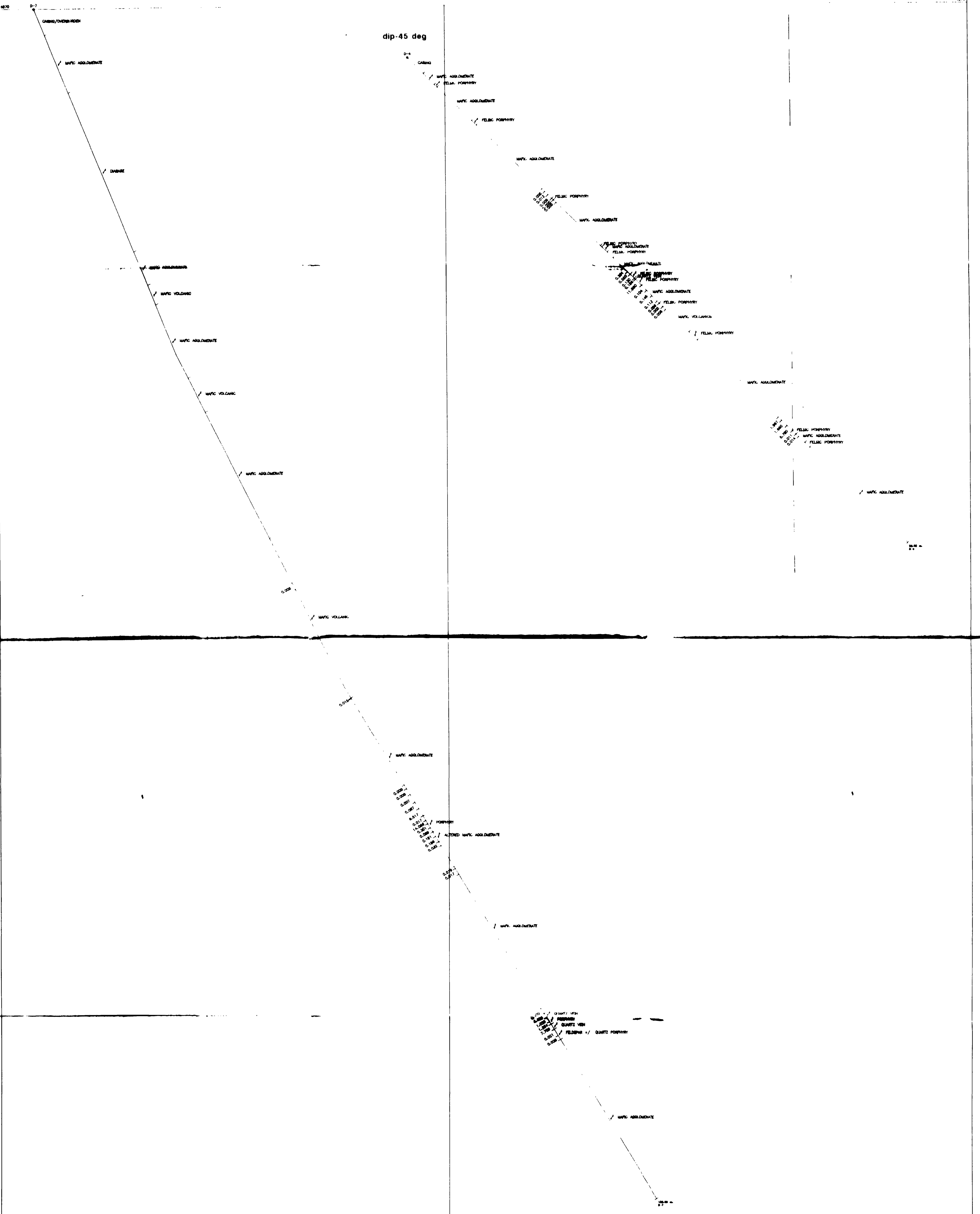
CLM# 1102094



REVISION	HEMLO GOLD MINES INC.
	SECTION 12975N
	DAYOHESSARAH
	PROJECT
	ASSAYS, Inc. G.A.
DATE	2008.12.01
BY	...

dip -70.5 deg

dip -45 deg



5 0 5 10 15
METERS

John R. Miller

REVISIONS

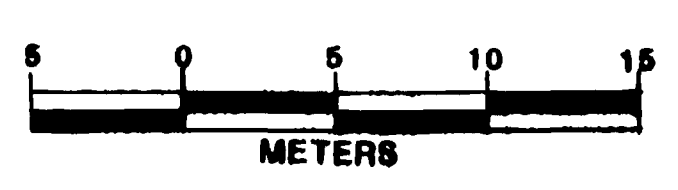
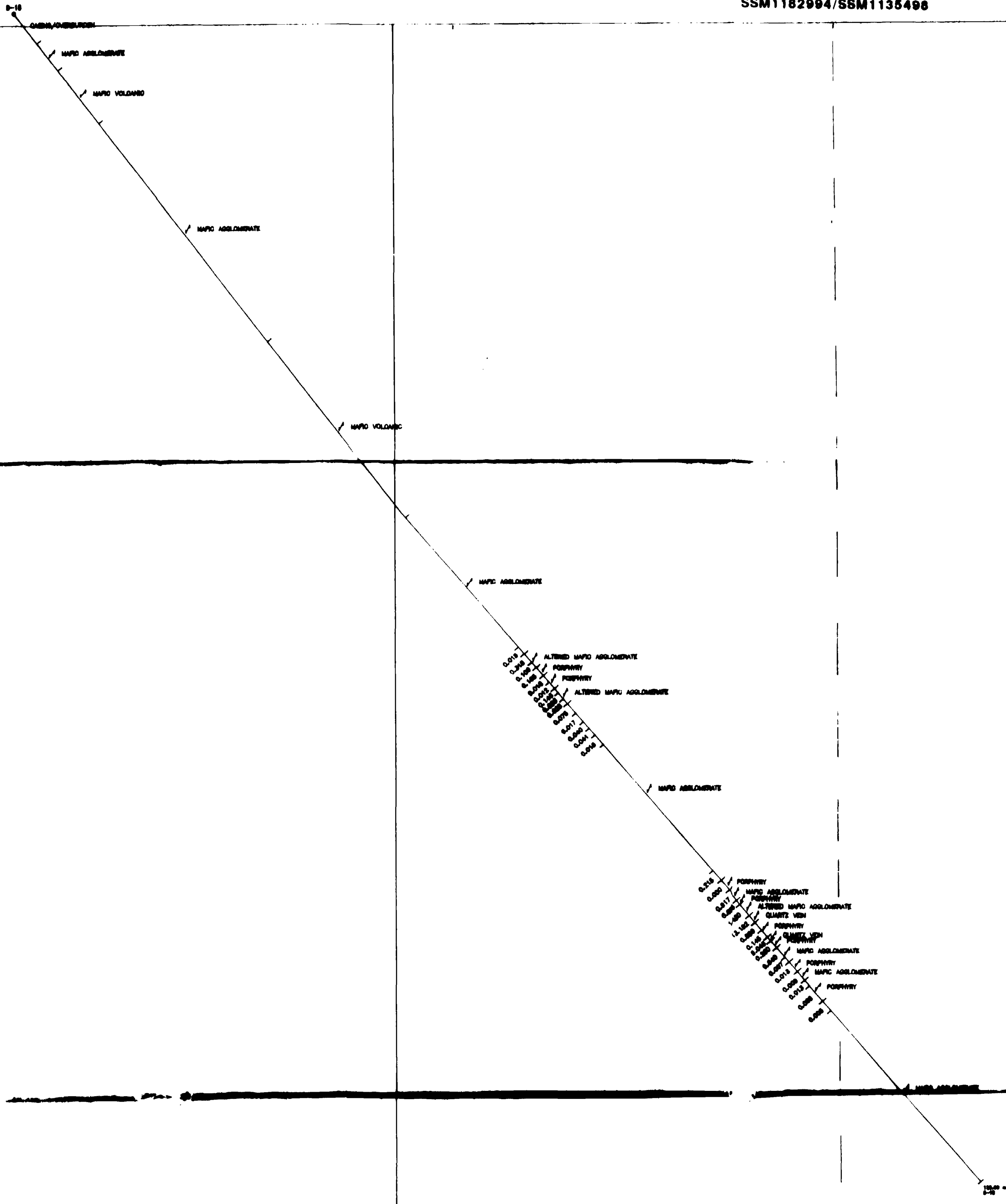
HEMLO GOLD MINES INC.
SECTION 12950N
DAYOHESARAH
PROJECT

ASSAYS IN g/t
PROJECT # 592 | DATE : FEB/94
SCALE: 1/250 | DMP-56

AZIMUTH 50deg

SSM1182994/SSM1135498

dip -55deg



REVISIONS	HEMLO GOLD MINES INC.
	SECTION 12910N
	DAYOHESSARAH
	PROJECT
	ASSAYS in g/t
	PROJECT # 592 DATE : APR/94
	SCALE: 1/250 DMP-88



AZIMUTH 50deg

dip-46 deg

SSM1069340/SSM1069341

D-14
LUBRO/DORBERSEN

MAPLE HILL

MAPLE HILL

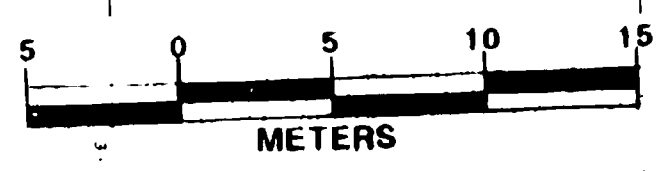
MAPLE HILL

D-14

REVISIONS

John Hill
HEMLO GOLD MINES INC.
SECTION 13400N
DAYOHESSARAH
PROJECT

ASSAYS IN g/t
PROJECT # 592 DATE : FEB/94
SCALE: 1/250 DMP-56



AZIMUTH 50deg

DIP45 DEG

0-10
0.000/0.000/0.000

MFC ASSELEMENT

MFC VOLCANIC

0.000
0.000
0.000

MFC ASSELEMENT

0.000
0.000
0.000

MFC ASSELEMENT

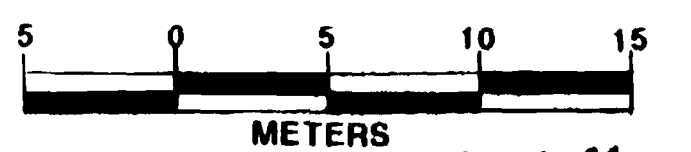
0.000
0.000
0.000

MFC ASSELEMENT

0.000
0.000
0.000

MFC ASSELEMENT

CLM#1069347



METERS

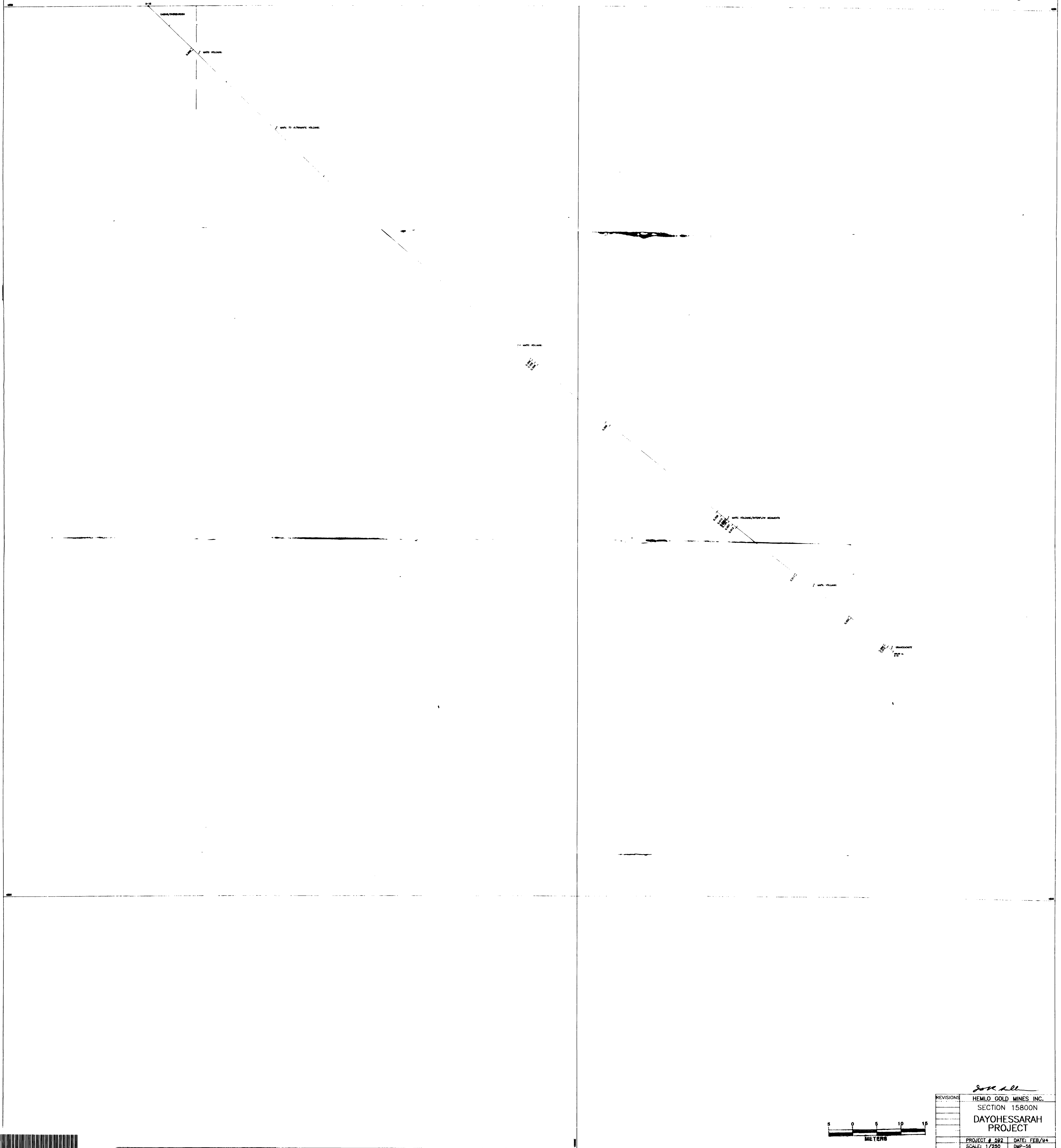
REVISIONS	HEMLO GOLD MINES INC.
	SECTION 13050N
	DAYOHESSARAH PROJECT
	ASSAYS in g/t
	PROJECT # 592 DATE : APR/84
	SCALE: 1/250 DMP-50



42C1ASW000A W0450-00047 ODI LUM

dip-48deg SSM1055520/SSM1089316

AZIMUTH 50deg



REVISIONS	HEMLO GOLD MINES INC.	
	SECTION 15800N	
	DAYOHESARAH PROJECT	
	PROJECT # 592	DATE: FEB/94
	SCALE: 1/250	DMP-56

