REPORT ON

THE INDUCED POLARIZATION SURVEY

DEJOUR - ROWAN LAKE PROPERTY

DERRY, MICHENER, BOOTH & WAHL

R. W. Woolham

R. W. Woolham, P.Eng.

Toronto, Ontario
September 7, 1984

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SUMMARY

An Induced Polarization survey was completed on a portion of the Rowan Lake property during the period June 10th to July 3rd, 1984. In all, 17 line kilometers of reconnaissance and detail dipole-dipole I.P. survey was performed. The work covered a central prospective horizon defined previously by geophysical, geological and geochemical investigations. This horizon is thought to be an extension of the gold hosting horizon found on the Monte Cristo property to the southwest.

The I.P. survey detected several polarizable horizons. The most significant zone occurs near the baseline from line 21W to 13W. It is associated with a low resistivity horizon present to the north. The low resistivity horizon source may be related to a shear zone. The probable cause of the I.P. response is thought to be disseminated pyrite. Further investigation of this anomaly on line 17W from 0 to 100N has been recommended.

A second polarizable horizon of possible interest occurs to the north of the previous one described, at about 600N. It has an association with high resistivity values thought to represent underlying siliceous volcanics or intrusives. Other similar responses are present throughout the central and eastern portion of the survey grid. Investigation of three of these anomaly types on a low priority basis is recommended.

INTRODUCTION

This property is thought to contain the same geological horizon that hosts the Monte Cristo gold prospect 7 km to the southwest. Magnetic and VLF electromagnetic surveys were completed on the property in January and February, 1984. A report of April 16th, 1984 on the results of these surveys recommended that a central prospective horizon, defined by the magnetic/VLF electromagnetic surveys, be investigated further by Induced Polarization/Resistivity surveys. This additional work was completed during the period June 10th to July 3rd, 1984 by an operator and equipment supplied by Phoenix Geophysics Ltd. Field assistants were supplied by DMBW.

SURVEY PARAMETERS

The instruments used for the survey were the Phoenix IPT-1 transmitter and IPV-1 receiver. A frequency pair of 0.3 and 5.0 Hertz was used for the survey. Reconnaissance profiles on lines 200 m apart using a dipole "a" spacing of 100m and separations for n = 1,2,3 and 4 covered lines from 21W to 7E in the central portion of the grid. In some areas coverage of all of the favourable horizon was not possible because of flooded swamp areas. A detailed 50 m dipole profile was completed on line 1700W to cover an anomalous zone of interest. A total of 17 line kilometers of survey data was collected.

The results were machine plotted and contoured as pseudosections and are bound with this report (Appendix I). The sections consist of, from top to bottom, a resistivity plot in ohm meter, a percent frequency effect (P.F.E.) plot and a metal

factor plot. The P.F.E. is a measure of the polarizability of the material energized within the influence of the electrode array. The metal factor is a dimensionless quantity which accentuates low resistivity areas and areas having high P.F.E. values. The metal factor value is obtained by dividing the P.F.E. value by the resistivity value and multiplying by 1000.

Interpretation of the location of the anomalous responses of interest is a qualitative procedure. Anomaly widths and positions are dictated by the dipole length and cannot be less than one dipole width. Very narrow sources will have responses that are diluted and averaged over a large dipole distance. Thus detail profiling at shorter dipole configurations is necessary to accurately delineate the locations of potential drill targets. An example of the importance of detail profiling in the interpretation procedure is seen on line 1700W. The 100 m dipole survey identified a wide anomalous P.F.E. zone having what appeared to be a central coincident low resistivity zone. Detailed 50 m dipole results showed the zone to consist of a narrower high P.F.E. horizon adjacent to a narrow low resistivity zone to the north.

The anomaly locations, as interpreted from the pseudosections, are shown on the sections as bar anomalies. These anomalies are designated as definite or probable which is a subjective rating based on P.F.E. anomaly characteristics and correlating resistivity responses. The anomaly locations have been transferred to a plan map at a scale of 1:5000. This map also indicates the actual survey line coverage.

RESULTS

The resistivity responses on the property have almost the maximum range generally encountered in most geological environments. Values from 50 to 200 ohm meter, in narrow zones, occur from 21W to 8W. These very low resistivity values are usually within a larger area of values ranging from 200 to 2,000 ohm meter. "Background" values in the range of 2,000 to 10,000 ohm meter are present throughout the property. Above background zones ranging from 10,000 to above 30,000 ohm meter occur as localized responses within low resistivity zones on the western portion of the grid while more extensive high resistivity values are present on the eastern half of the survey area. A low resistivity area on the western part of the grid, having generally broad shallow source characteristics, is coincident with a major swamp drainage system. A major low resistivity horizon, just to the north of the baseline, has been detected from lines 17W to 7W. Part of the response source may be related to a swamp but the characteristics of the anomaly signature suggest that a bedrock source contributes to most of the low resistivity response.

The Induced Polarization percent frequency effect (P.F.E.) background values are less than 1% from line 21W to 3W. In addition, numerous negative P.F.E. values have been recorded throughout the area. The smaller negative values within 1% of zero may be caused by calibration errors; however, larger values are usually related to underlying structural rock complexities. The negative P.F.E. phenomena are not fully understood at the present time. To the east, past line 3W, background P.F.E. values are in the range of 1% to 3%.

Anomalous P.F.E. zones having amplitudes of 3% to 6% have been identified throughout the surveyed grid. Those anomaly zones having the higher amplitudes

have been designated as "definite" anomalies while slightly less definite weaker zones are designated as "probable" anomalies. Straddling the baseline from line 21W to 15W, where survey coverage is available, a significant P.F.E. horizon is associated with the low resistivity zone just to the north. This P.F.E. zone probably extends east and west but no coverage is available. Further to the east, from line 9W, on strike with this zone, only line 7W has an appreciable P.F.E. anomaly which, in this instance, appears coincident with a low resistivity area.

A second paralleling P.F.E. horizon has been partly detected, where coverage is available, further to the north at about 600N on lines 17W to 5W. This zone is related to a corresponding high resistivity response exceeding 15,000 ohm meter. Other weaker, broader P.F.E. zones having direct association with high resistivity are present in the central and east portion of the grid. The best of this type of anomaly occurs on line 7E on the baseline. Here, a subsurface source having 5% to 6% FE responses and medium to high, 8,000 to 15,000 ohm meter, resistivity values is present.

Significant metal factor values are present in the west half of the grid from line 8W to 21W. Although some of the higher metal factor values are partly related to increases in the P.F.E. values with decreasing resistivity values, most of the metal factor anomalies are attributable to very low resistivity zones having no related polarization responses. Thus, where resistivity values are below 100 ohm meter and P.F.E. values are approximately 1% (a negligible value) the metal factor values will be greater than 10. A good example of this effect is seen on line 15W. This type of metal factor anomaly is not considered significant.

CONCLUSIONS

Although the grid coverage is not complete, it is suggested that the Induced Polarization survey has identified two horizons having moderate to good polarizable responses. The horizon on the baseline between 21W and 13W has a paralleling low resistivity horizon associated with it. The other horizon to the north at about 600N has associated high resistivity responses. This latter P.F.E. horizon probably reflects a source containing very disseminated 1% to 3% sulphides or other polarizable material within a very siliceous host rock such as granite, felsic tuffs, rhyolite, etc.

The baseline I.P. anomaly with its associated medium to very low resistivity responses more probably relates to a shear zone horizon associated with more significant amounts, up to 10% locally, of polarizable material such as pyrite. Pyrite was noted in outcrop to the north of the main I.P. horizon.

The remaining high resistivity I.P. responses in the central and eastern grid areas are not fully delineated by the survey coverage. These anomalies have similar characteristics to the northwestern anomaly at 600N; however, their P.F.E. amplitudes are generally lower. The responses probably reflect very weakly disseminated metallic polarizable material within zones of silicification.

RECOMMENDATIONS

The central prospective horizon, previously defined by regional geophysics and geology, contains a significant I.P./Resistivity signature on the baseline from 21W to at least 13W. This anomaly warrants further investigation by trenching

and/or drilling providing that the geological environment is still considered prospective for gold a la Monte Cristo model. The area from 0 to 100N on line 17W is recommended for further prospecting and possible drilling.

Other lower priority anomalies are present on lines 9W and 7E. These anomalies probably reflect slight concentrations of pyrite in siliceous volcanics. A decision to test these anomalies will depend on the results of the geological and geochemical investigations presently being evaluated.

The best locations for further prospecting efforts, additional to 17W, are as follows:-

Line	Zone	Comments
900W	550S to 700S	This is a subsurface source and would need drill testing.
900W	600N to 700N	Trenching may adequately test this anomaly.
7E	50S to 50N	A subsurface source probably needing drill testing.

Respectfully submitted,

DERRY, MICHENER, BOOTH & WAHL

R. W. Woolham, P.Eng.
Geophysicist

Toronto, Ontario
September 7, 1984

CERTIFICATE OF QUALIFICATION

I, Roderick W. Woolham of the town of Pickering, Province of Ontario, do hereby certify;

(1) That I am a geophysicist and reside at 1463 Fieldlight Blvd., Pickering, Ontario, L1V 2S3.

(2) That I graduated from the University of Toronto in 1961 with a degree of Bachelor of Applied Science, Engineering Physics, Geophysics Option.

(3) That I am a member in good standing of the following organizations: The Association of Professional Engineers of the Province of Ontario (Mining Branch); Society of Exploration Geophysicists; South Africa Geophysical Association.

(4) That I have been practising my profession for a period of more than 20 years.

(5) That I am an Associate with Derry, Michener, Booth & Wahl, Consulting Geologists and Engineers.

(6) That I personally was involved with the technical supervision of the survey and wrote the report.

(6) That I have no direct or indirect interest or expect to receive any in the properties or securities of Dejour Mines Limited or any affiliate.

(7) Permission is given to use this report for assessment and/or qualification requirements.

R. W. Woolham
B.A.Sc., P.Eng.

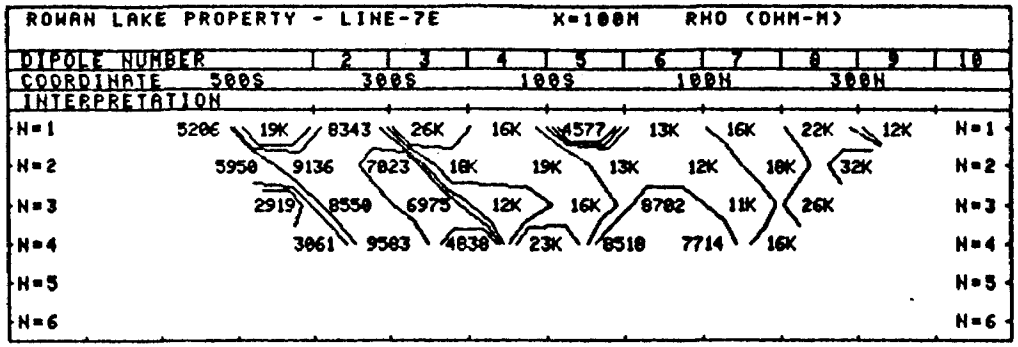
REGISTERED PROFESSIONAL ENGINEER
R. W. WOOLHAM
PROVINCE OF ONTARIO

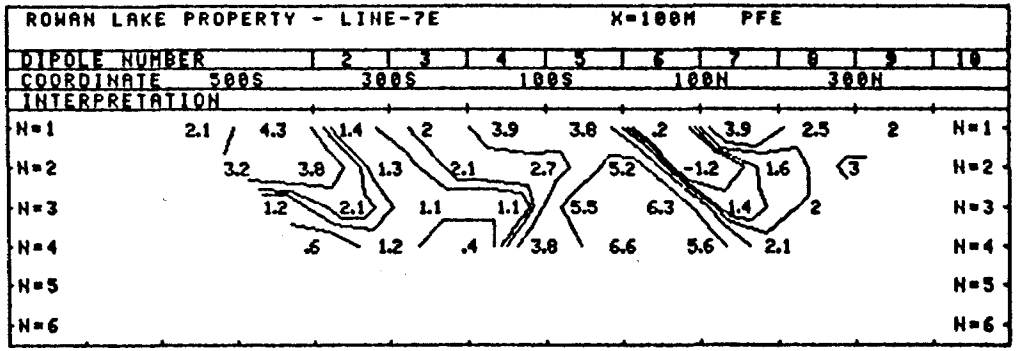
Toronto, Canada
September 7, 1984

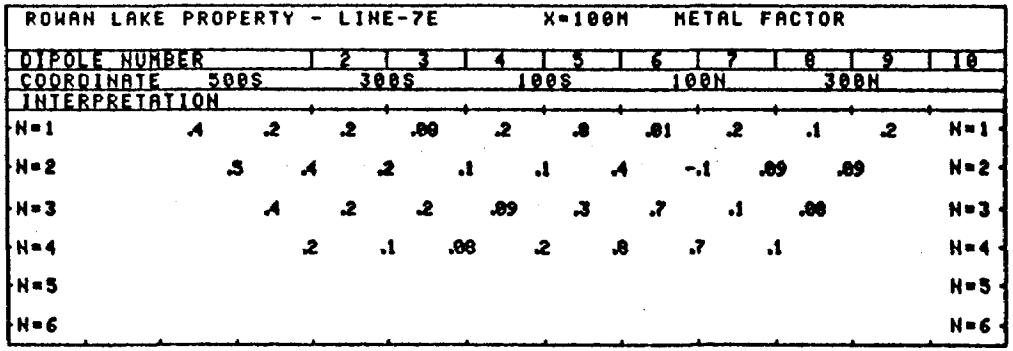
B. & C. LTD.

APPENDIX I

INDUCED POLARIZATION PSEUDOSECTIONS





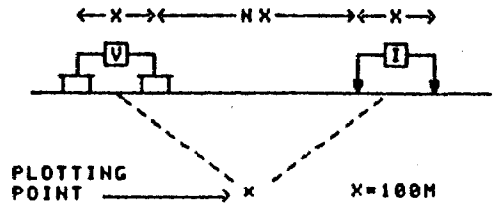


DEJOUR MINES / NOVA CO. EXPL.

ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-7E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.3 & 5.0 HZ.

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10

DATE SURVEYED: JUNE 1984

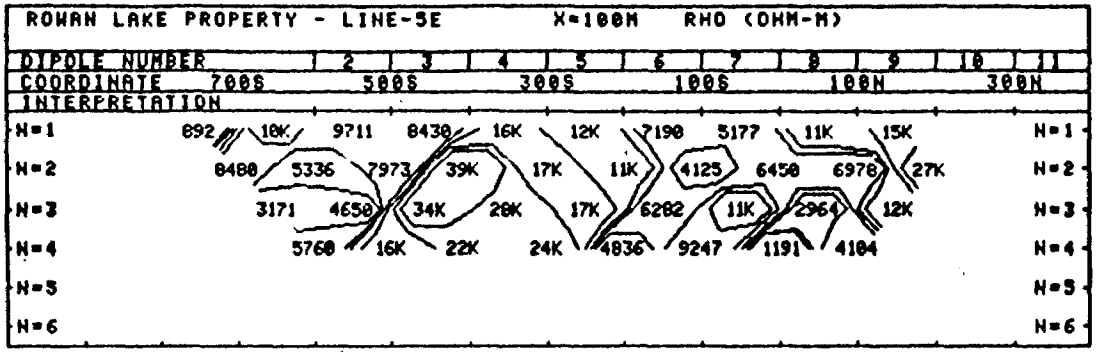
APPROVED

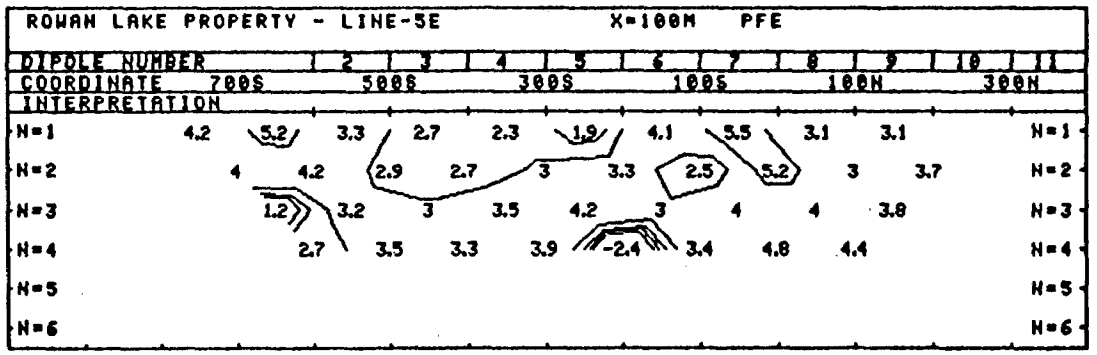
DATE

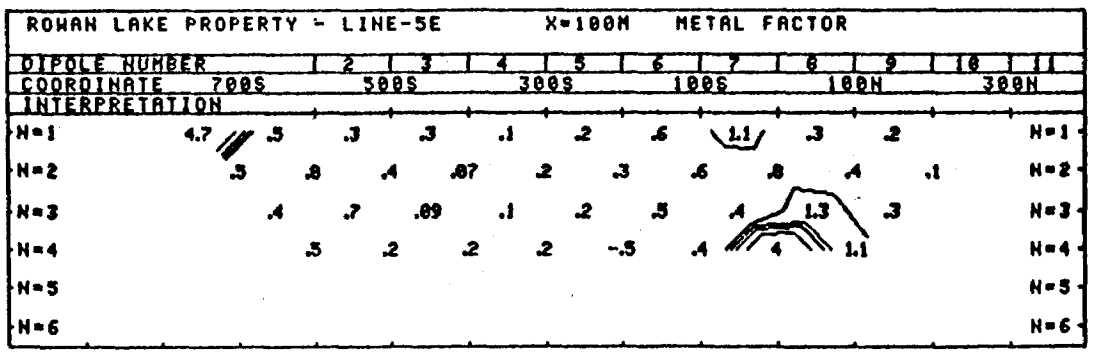
PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION

AND RESISTIVITY SURVEY







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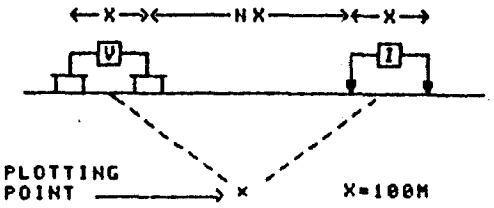
ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-5E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.3 & 5.0 HZ.

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10

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INDUCED POLARIZATION

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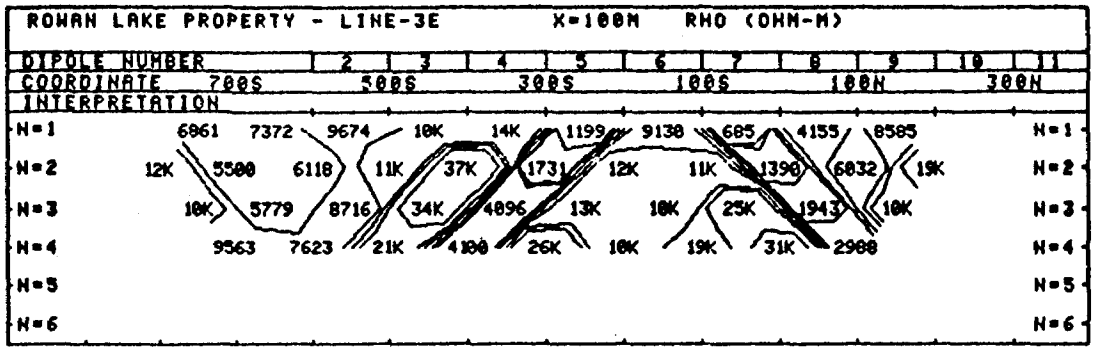

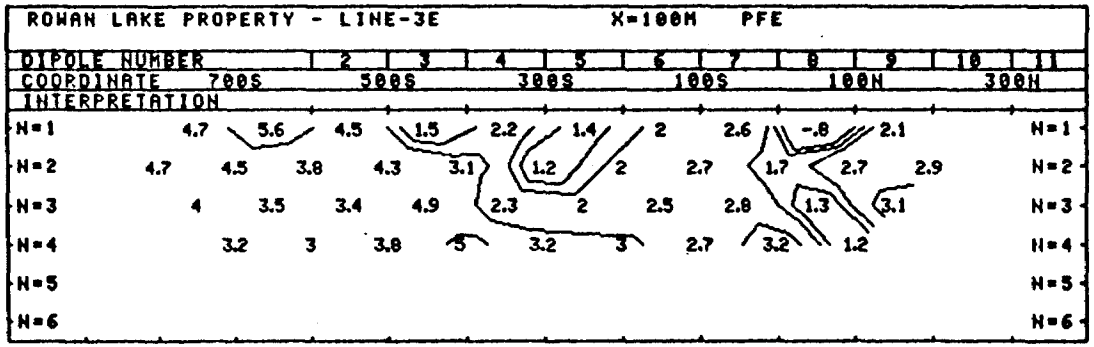

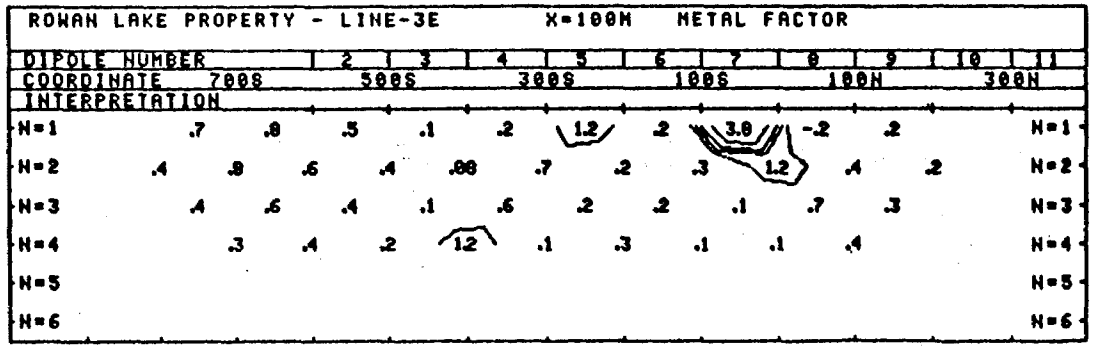

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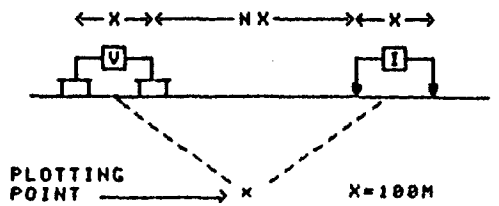
ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-3E



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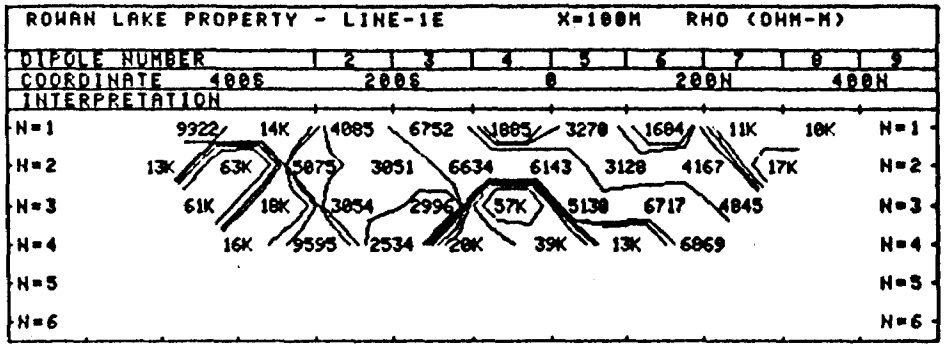
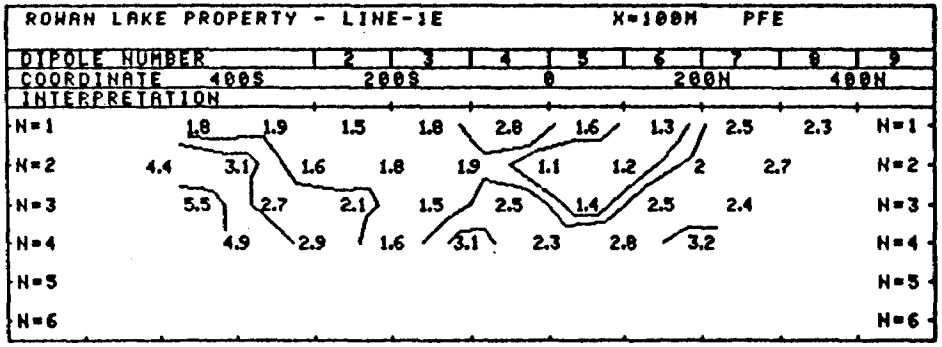
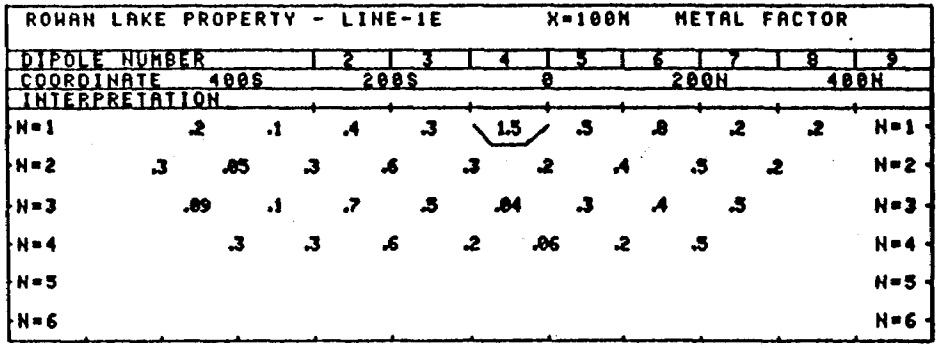
AND RESISTIVITY SURVEY







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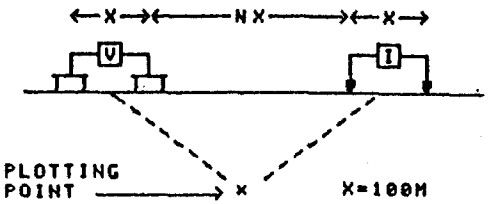
ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-1E



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INDUCED POLARIZATION

AND RESISTIVITY SURVEY

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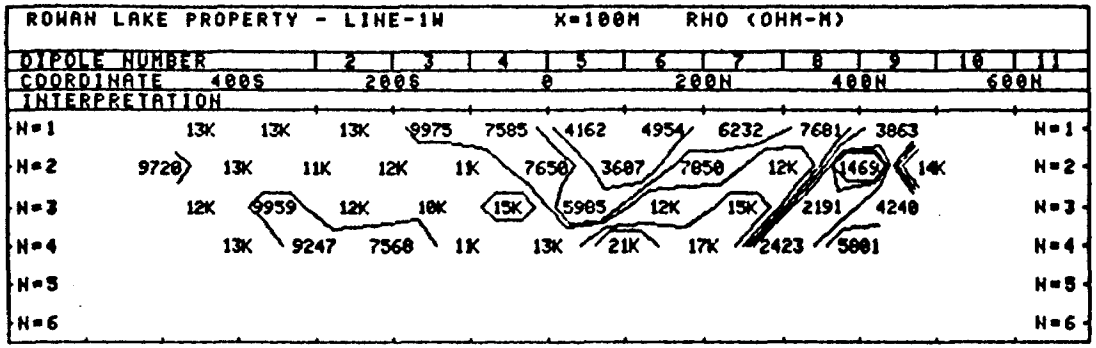

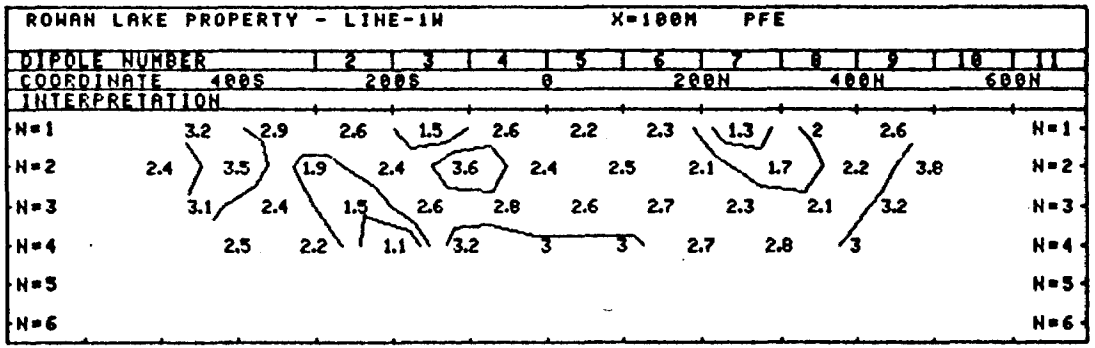

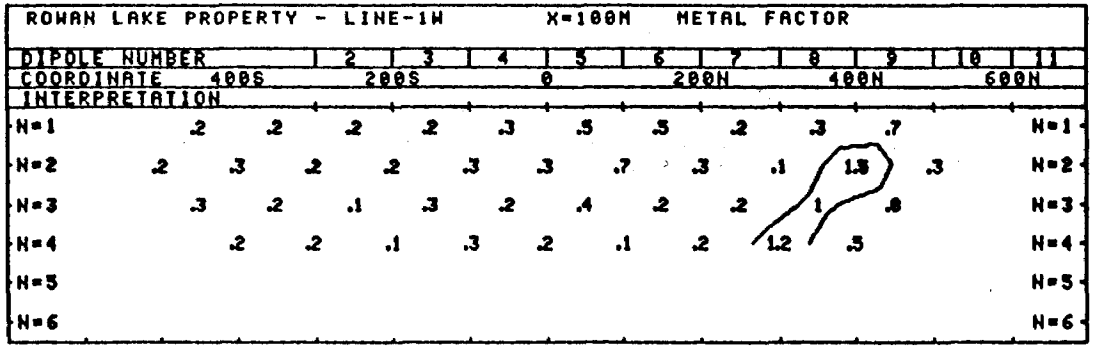

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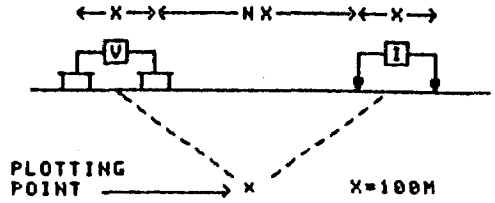
ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-1W



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INDUCED POLARIZATION

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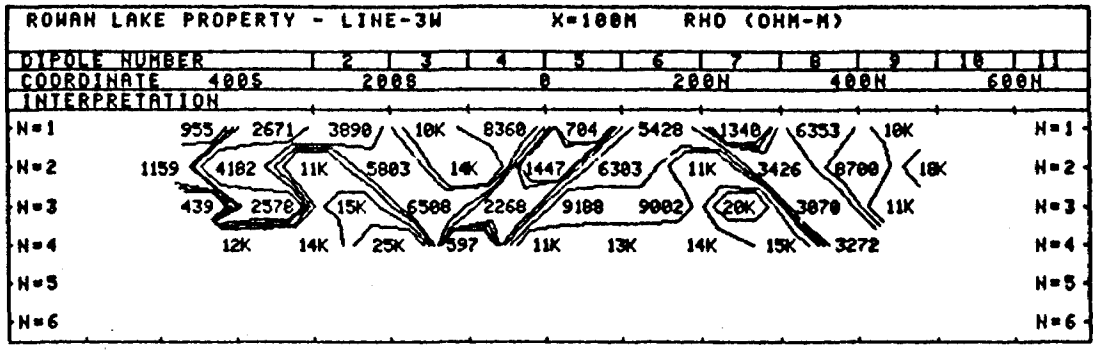

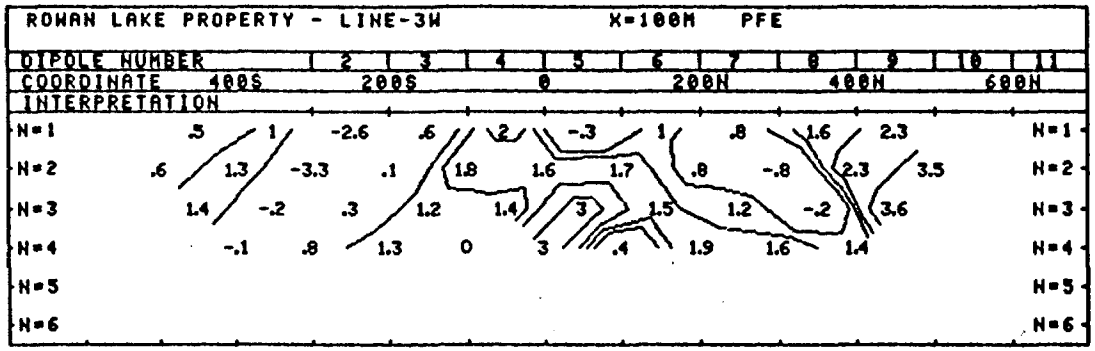

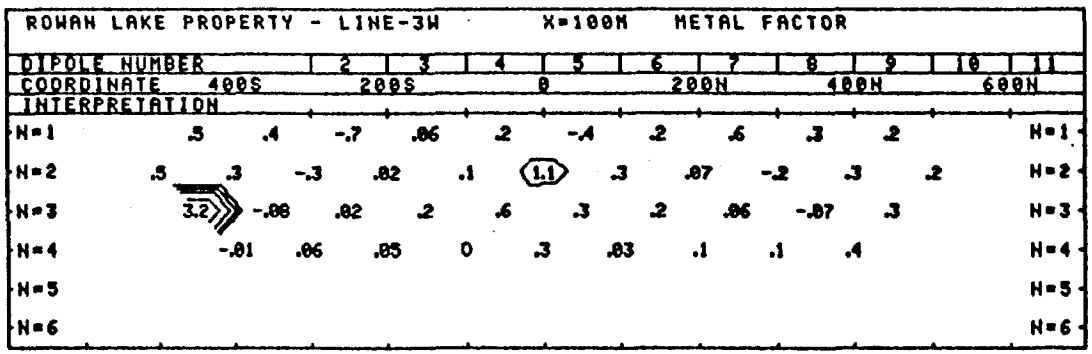

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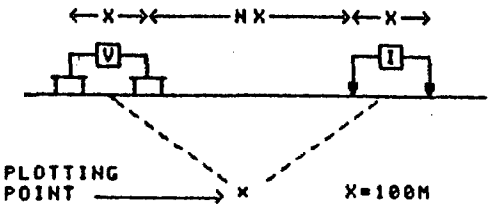
ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-3W



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PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION

AND RESISTIVITY SURVEY

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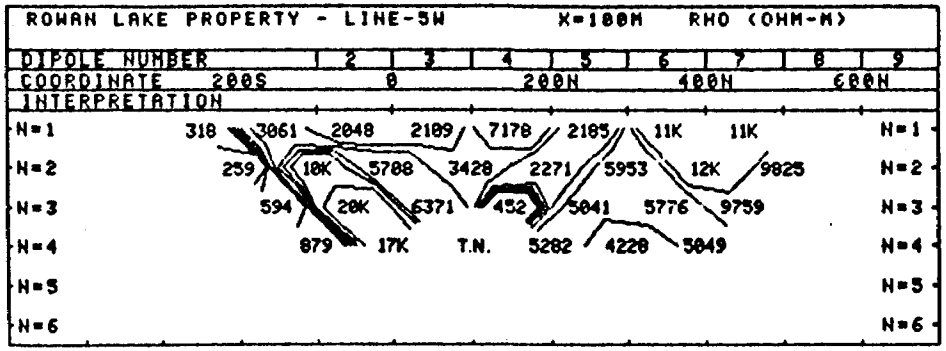
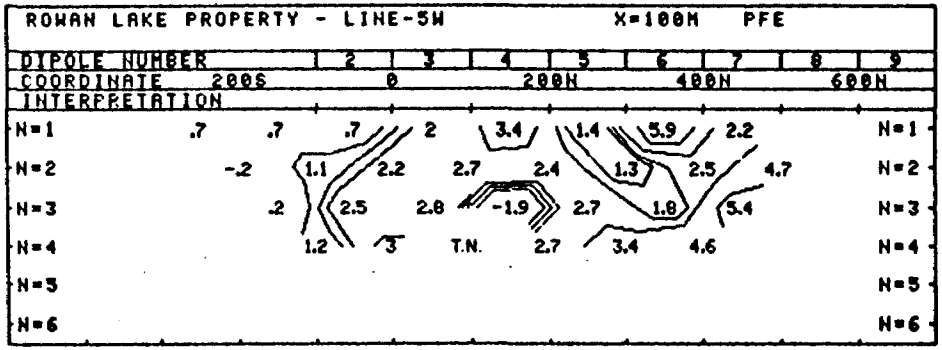
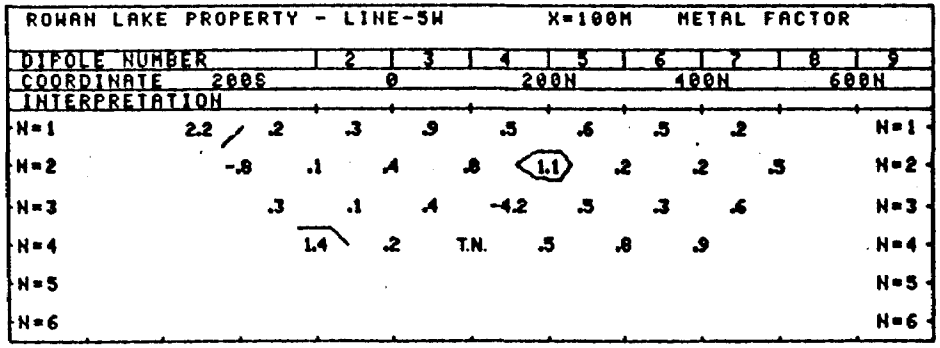




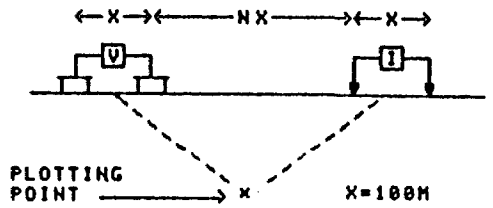


DEJOUR MINES / NOVA CO. EXPL.

ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-5W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.3 & 5.0 HZ.

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10

DATE SURVEYED: JUNE 1984
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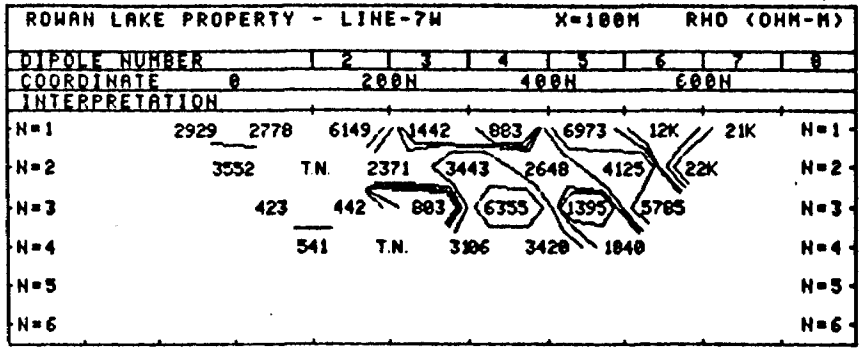
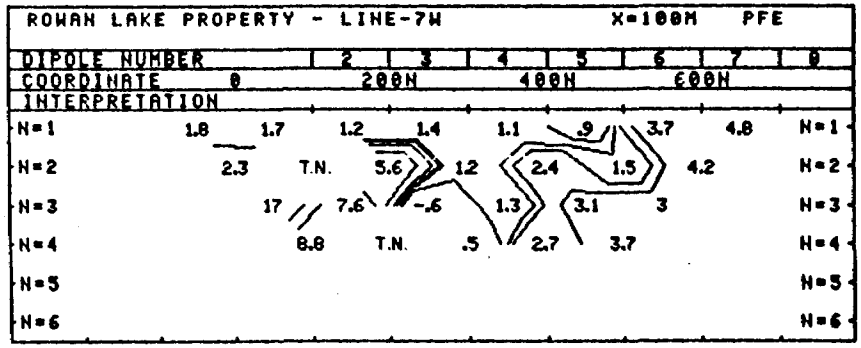
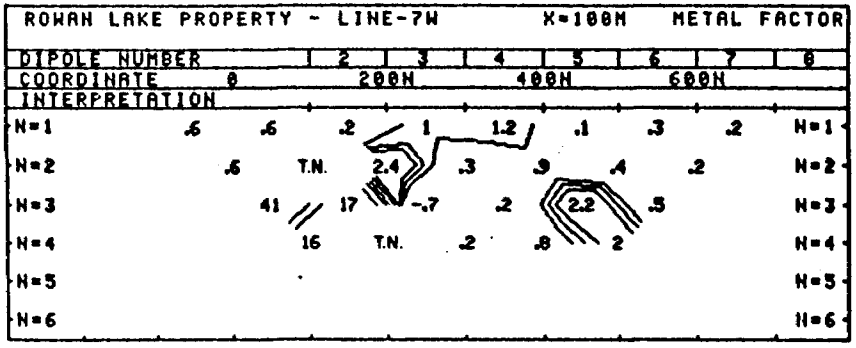
INDUCED POLARIZATION

AND RESISTIVITY SURVEY







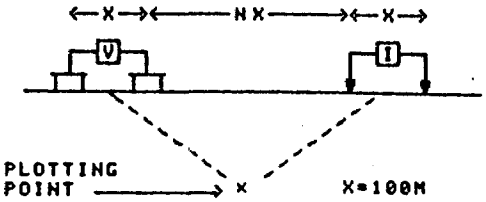
DWG. NO.-I.P.-36-

DEJOUR MINES / NOVA CO. EXPL.

ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-7W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.3 & 5.0 HZ.

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10

DATE SURVEYED: JUNE 1984

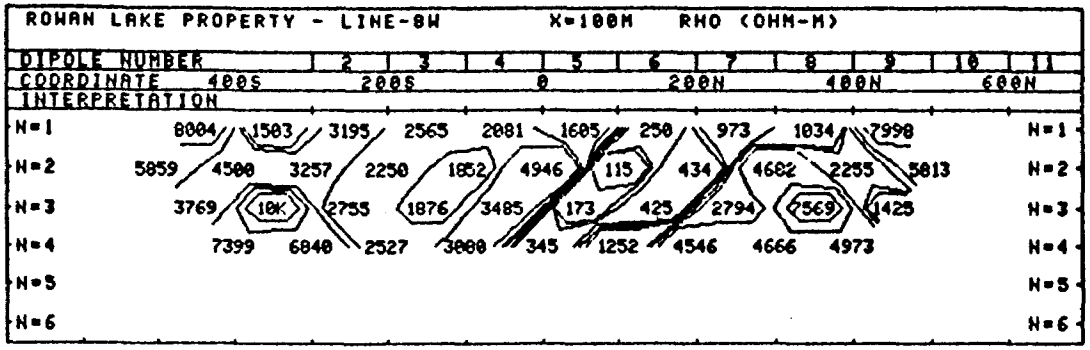
APPROVED

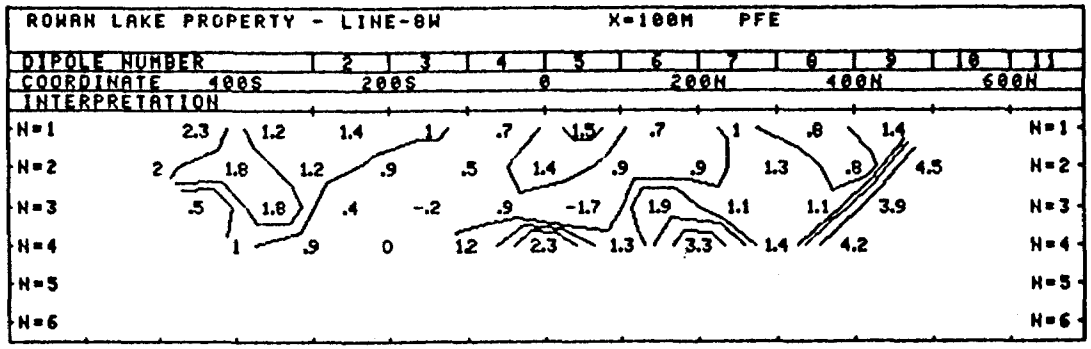
DATE

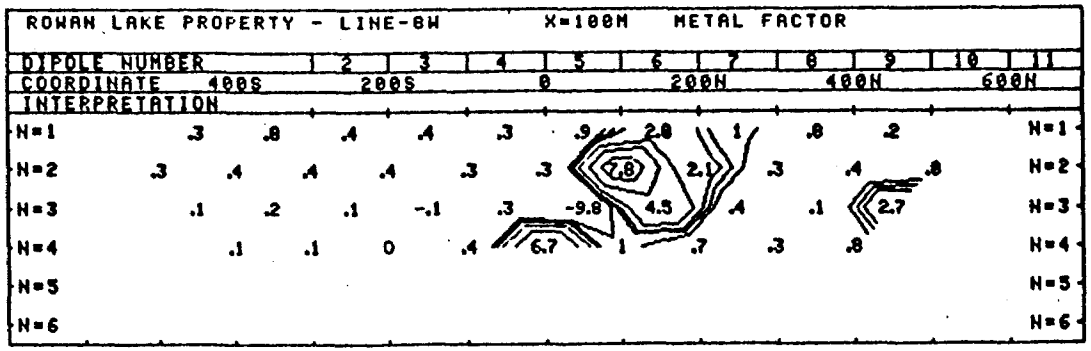
PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION

AND RESISTIVITY SURVEY





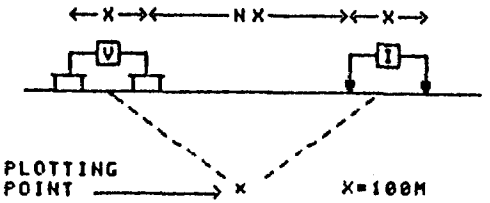


DEJOUR MINES / NOVA CO. EXPL.

ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-8W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.3 & 5.0 HZ.

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10

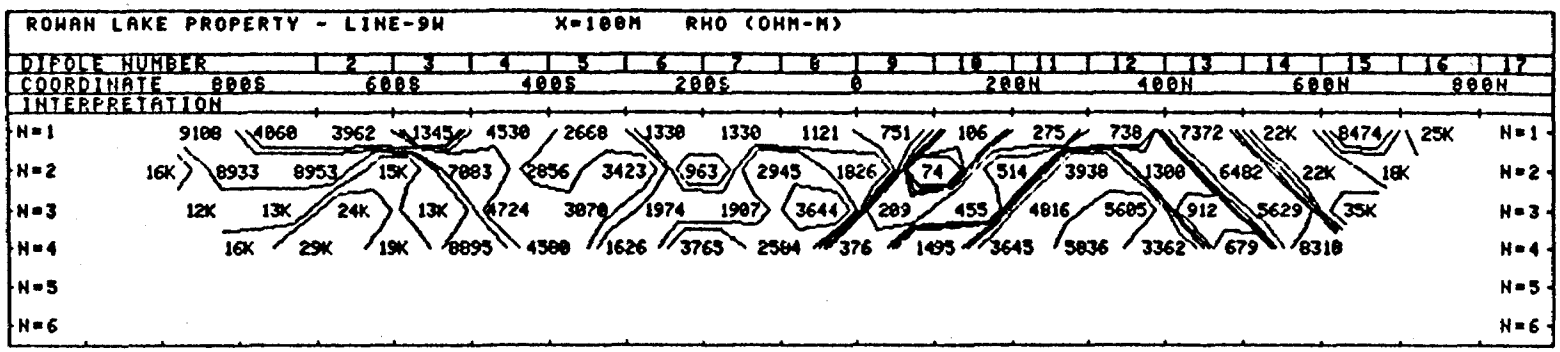
DATE SURVEYED: JUNE 1984
APPROVED

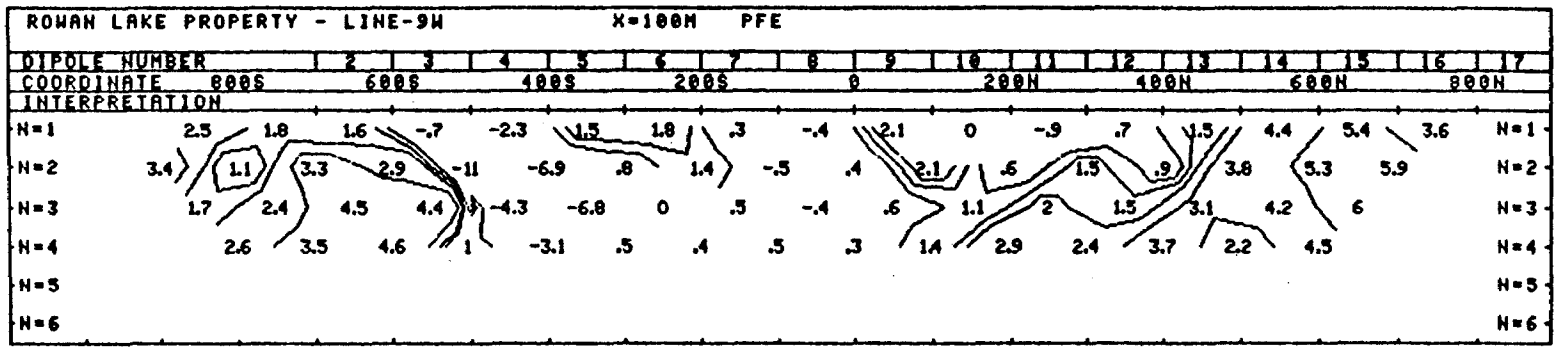
DATE

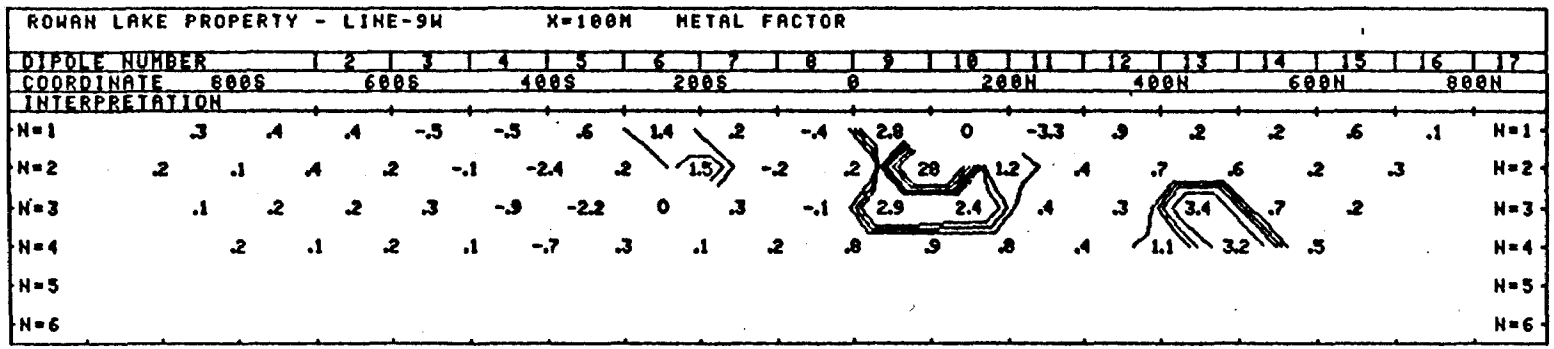
PHOENIX GEOPHYSICS LTD.

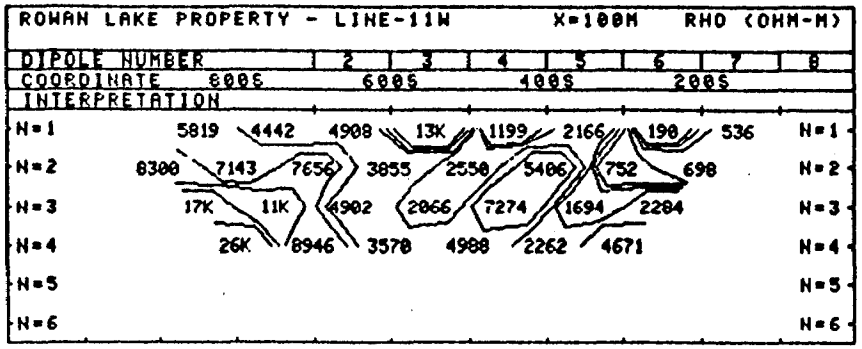
INDUCED POLARIZATION

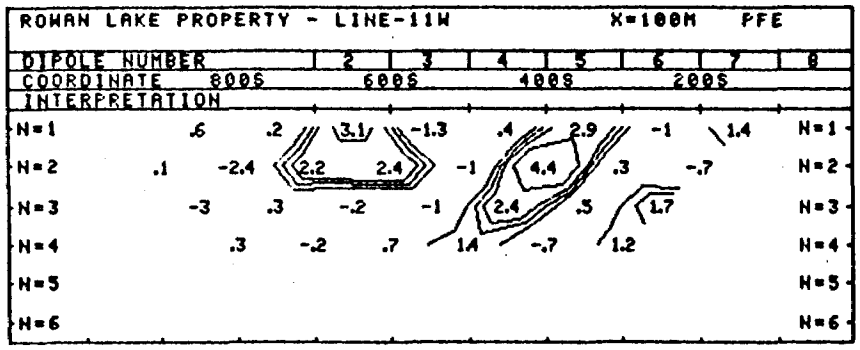
AND RESISTIVITY SURVEY

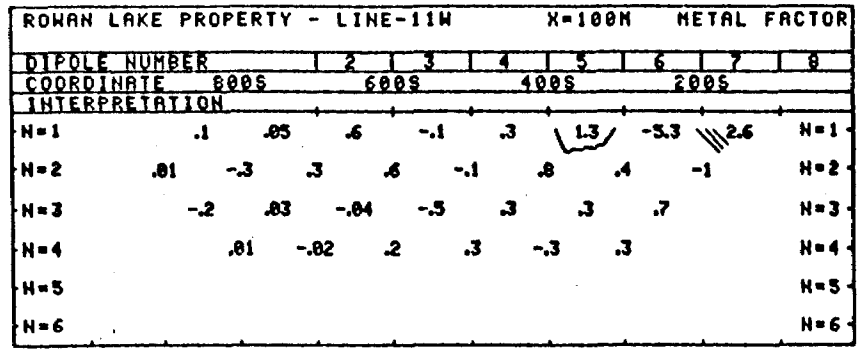

ROWAN LAKE PROPERTY - LINE-9W X=100M RHO (OHM-M)
DIPOLE NUMBER 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
COORDINATE 800S 600S 400S 200S 0 200N 400N 600N 800N
INTERPRETATION
N=1 9100 4868 3962 1345 4530 2668 1330 1330 1121 751 186 275 738 7372 22K 8474 25K
N=2 16K 8933 8953 15K 7083 2856 3423 963 2945 1826 74 514 3938 1300 6482 22K 18K
N=3 12K 13K 24K 13K 6724 3878 1974 1907 3644 289 455 4816 5685 912 5629 35K
N=4 16K 29K 19K 8895 4588 1626 3765 2584 376 1495 3645 5836 3362 679 8318
N=5
N=6


ROWAN LAKE PROPERTY - LINE-9W X=100M PFE
DIPOLE NUMBER 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
COORDINATE 800S 600S 400S 200S 0 200N 400N 600N 800N
INTERPRETATION
N=1 2.5 1.8 1.6 -.7 -2.3 1.5 1.8 .3 -.4 2.1 0 -.9 .7 1.5 4.4 5.4 3.6
N=2 3.4 1.1 3.3 2.9 -11 -6.9 .8 1.4 -.5 .4 2.1 .6 1.5 .9 3.8 5.3 5.9
N=3 1.7 2.4 4.5 4.4 -4.3 -6.8 0 .5 -.4 .6 1.1 2 1.5 3.1 4.2 6
N=4 2.6 3.5 4.6 1 -3.1 .5 .4 .5 .3 1.4 2.9 2.4 3.7 2.2 4.5
N=5
N=6


ROWAN LAKE PROPERTY - LINE-9W X=100M METAL FACTOR
DIPOLE NUMBER 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
COORDINATE 600S 600S 400S 200S 0 200N 400N 600N 800N
INTERPRETATION
N=1 .3 .4 .4 -.5 -.5 .6 1.4 .2 -.4 2.8 0 -3.3 .9 .2 .2 .6 .1
N=2 .2 .1 .4 .2 -.1 -2.4 .2 1.5 -.2 .2 28 1.2 .4 .7 .6 .2 .3
N=3 .1 .2 .2 .3 -.9 -2.2 0 .3 -.1 2.9 2.4 .4 .3 3.4 .7 .2
N=4 .2 .1 .2 .1 -.7 .3 .1 .2 .8 .9 .8 .4 1.1 3.2 .5
N=5
N=6







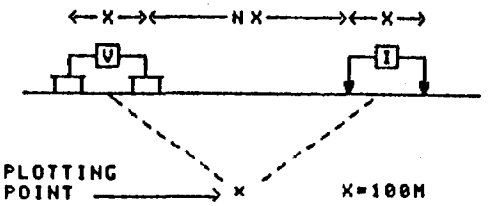
DWG. NO.-I.P.-8[redacted]-

DEJOUR MINES / NOVA CO. EXPL.

ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-11W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.3 & 5.0 HZ.

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10

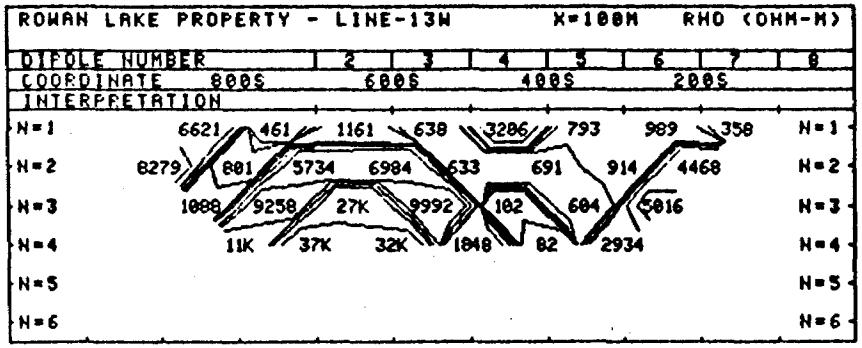
DATE SURVEYED: JUNE 1984
APPROVED

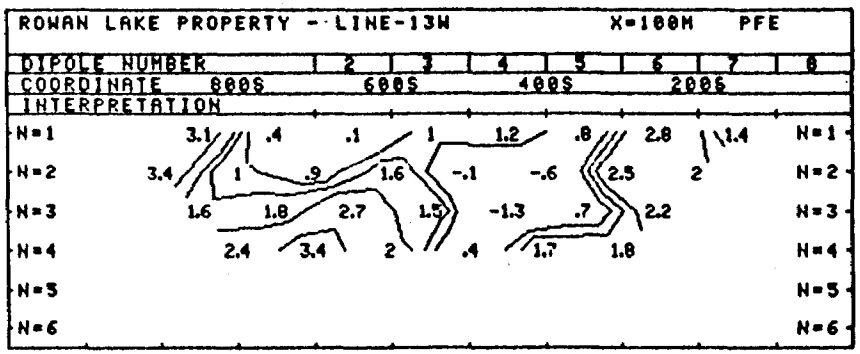
DATE

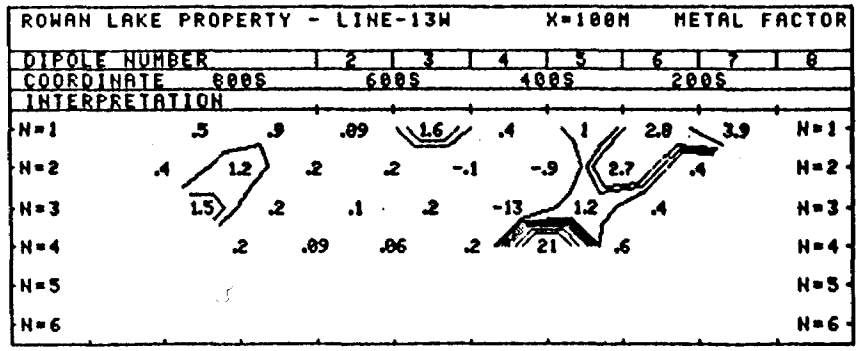
PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION

AND RESISTIVITY SURVEY







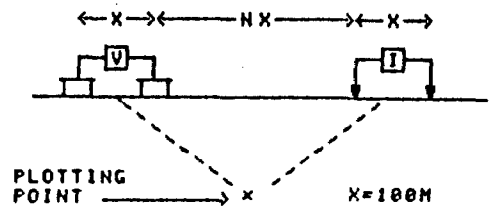
DWG. NO.-I.P.-84-[redacted]-

DEJOUR MINES / NOVA CO. EXPL.

ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-13W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.3 & 5.0 HZ.

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10

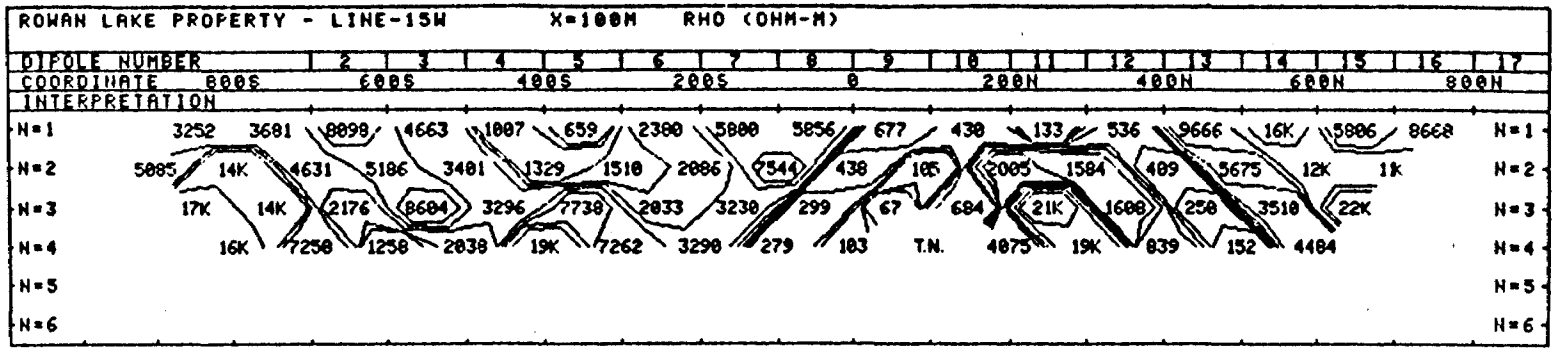
DATE SURVEYED: JUNE 1984
APPROVED

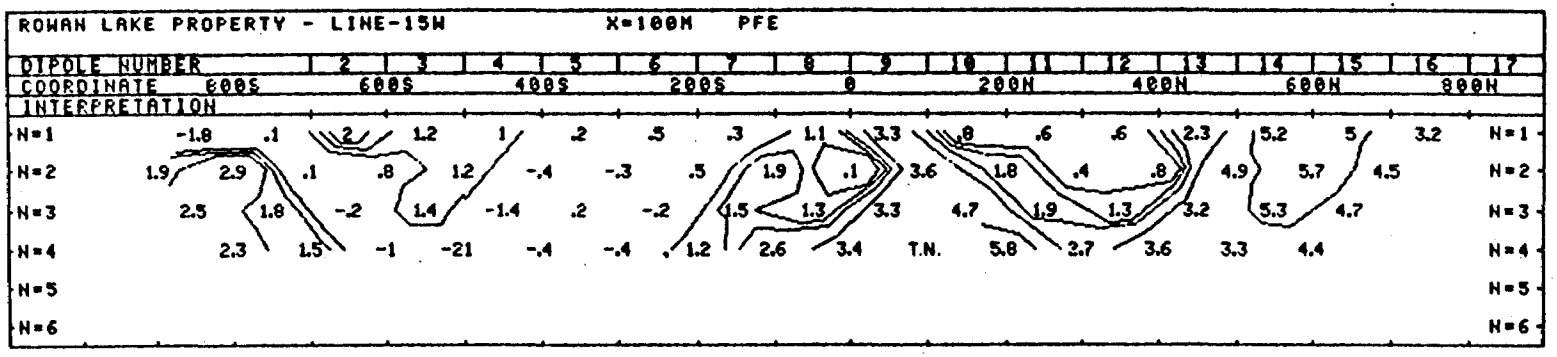
DATE

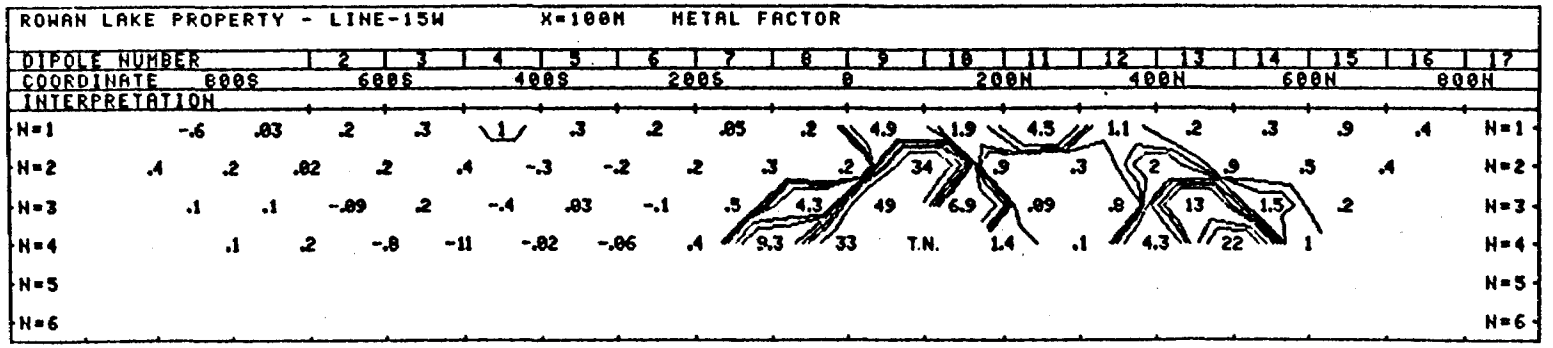
PHOENIX GEOPHYSICS LTD.

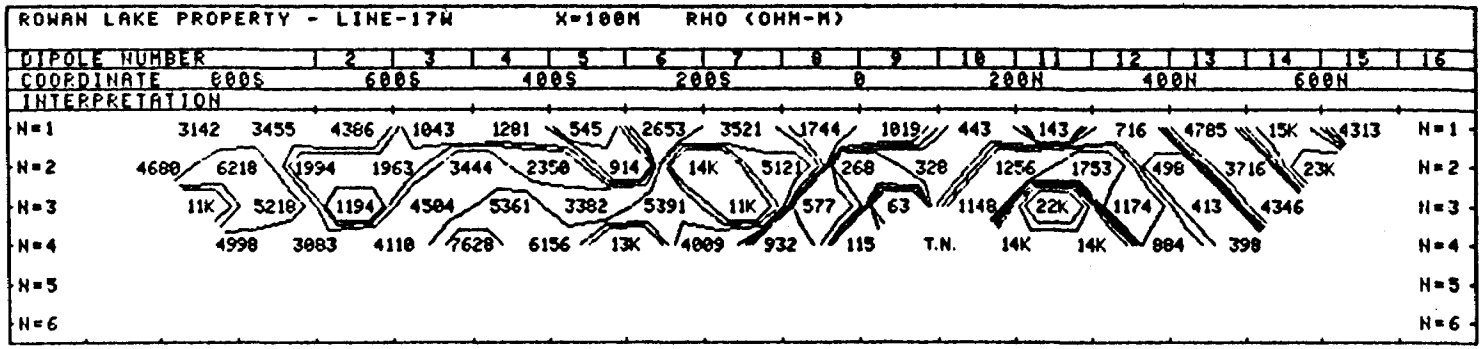
INDUCED POLARIZATION

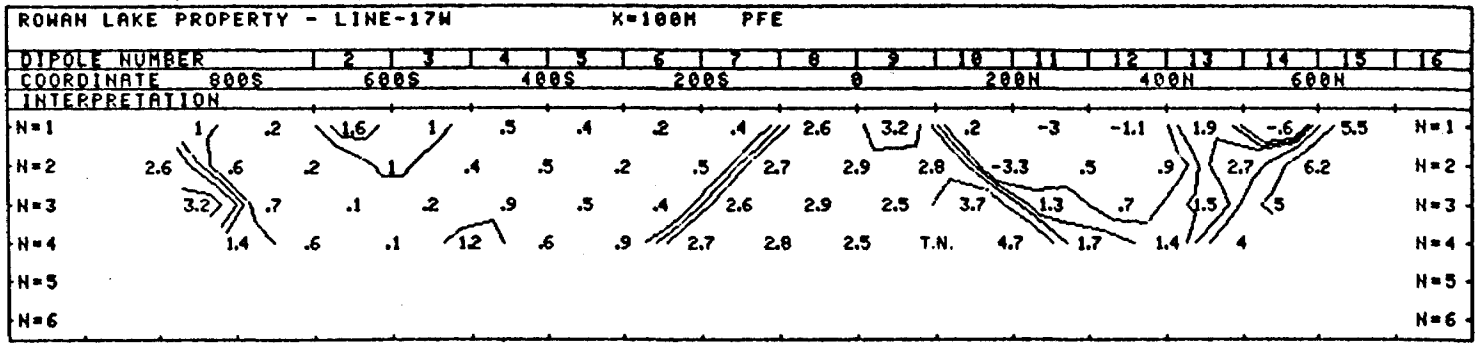
AND RESISTIVITY SURVEY

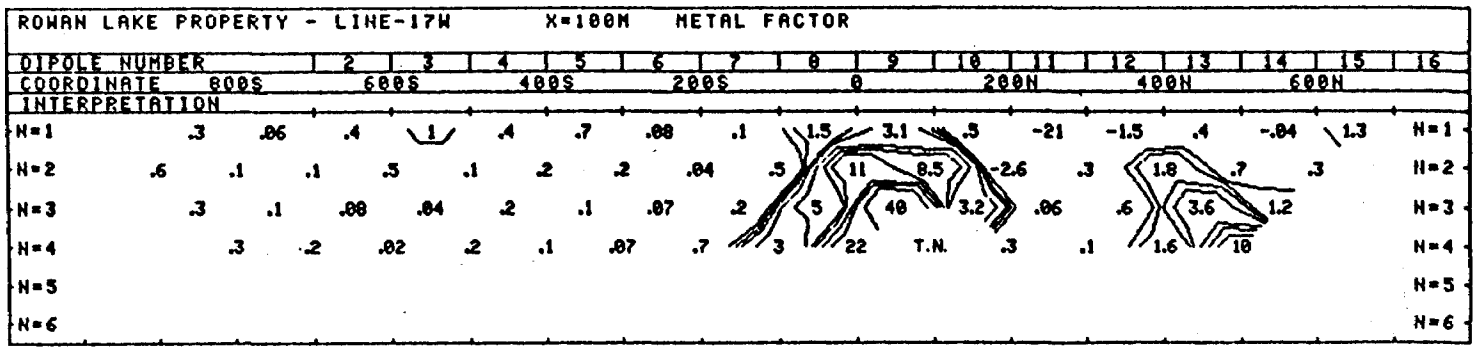

ROWAN LAKE PROPERTY - LINE-15W X=100M RHO (OHM-M)
DIPOLE NUMBER 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
COORDINATE 800S 600S 400S 200S 0 200N 400N 600N 800N
INTERPRETATION
N=1 3252 3681 8099 4663 1007 659 2380 5800 5856 677 438 133 536 9666 16K 5806 8668
N=2 5085 14K 4631 5186 3401 1329 1510 2086 7544 438 105 2005 1584 409 5675 12K 1K
N=3 17K 14K 2176 8684 3296 7738 2033 3230 299 67 684 21K 1608 258 3510 22K
N=4 16K 7250 1258 2038 19K 7262 3290 279 103 T.N. 4075 19K 839 152 4484
N=5
N=6


ROWAN LAKE PROPERTY - LINE-15W X=100M PFE
DIPOLE NUMBER 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
COORDINATE 800S 600S 400S 200S 0 200N 400N 600N 800N
INTERPRETATION
N=1 -1.8 .1 2 1.2 1 .2 .5 .3 1.1 3.3 .8 .6 .6 2.3 5.2 5 3.2
N=2 1.9 2.9 .1 .8 1.2 -.4 -.3 .5 1.9 .1 3.6 1.8 .4 .8 4.9 5.7 4.5
N=3 2.5 1.8 -.2 1.4 -1.4 .2 -.2 1.5 1.3 3.3 4.7 1.9 1.3 3.2 5.3 4.7
N=4 2.3 1.5 -1 -21 -.4 -.4 1.2 2.6 3.4 T.N. 5.8 2.7 3.6 3.3 4.4
N=5
N=6

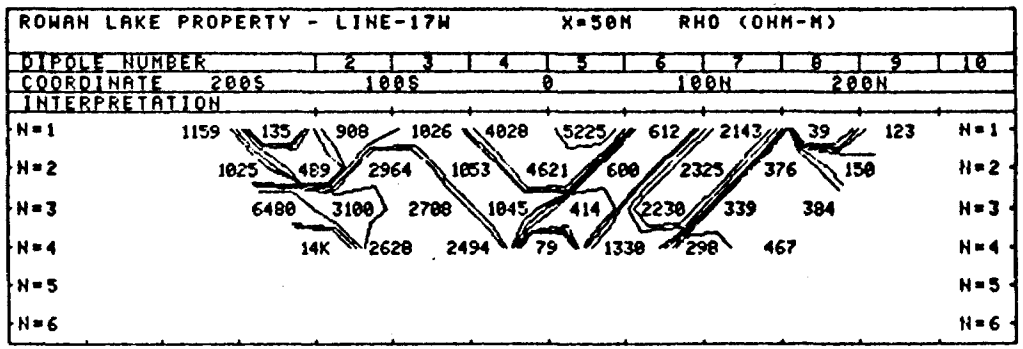

ROWAN LAKE PROPERTY - LINE-15W X=100M METAL FACTOR
DIPOLE NUMBER 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
COORDINATE 800S 600S 400S 200S 0 200N 400N 600N 800N
INTERPRETATION
N=1 -.6 .03 .2 .3 1 .3 .2 .05 .2 4.9 1.9 4.5 1.1 .2 .3 .9 .4
N=2 .4 .2 .02 .2 .4 -.3 -.2 .2 .3 .2 34 .9 .3 2 .9 .5 .4
N=3 .1 .1 -.09 .2 -.4 .03 -.1 .5 4.3 49 6.9 .09 .8 13 1.5 .2
N=4 .1 .2 -.8 -11 -.02 -.06 .4 9.3 33 T.N. 1.4 .1 4.3 22 1
N=5
N=6

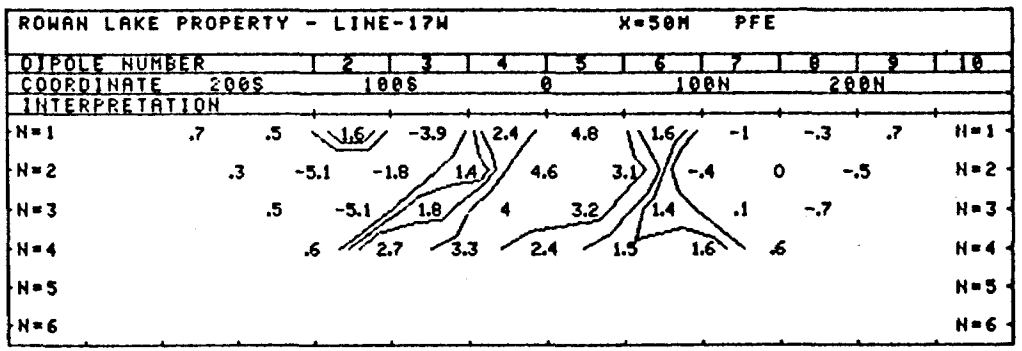

ROWAN LAKE PROPERTY - LINE-17W X=100M RHO (OHM-M)
DIPOLE NUMBER 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
COORDINATE 800S 600S 400S 200S 0 200N 400N 600N
INTERPRETATION
N=1 3142 3455 4386 1043 1281 545 2653 3521 1744 1819 443 143 716 4785 15K 4313
N=2 4680 6218 1994 1963 3444 2350 914 14K 5121 268 328 1256 1753 498 3716 23K
N=3 11K 5218 1194 4584 5361 3382 5391 11K 577 63 1148 22K 1174 413 4346
N=4 4998 3083 4110 7628 6156 13K 4009 932 115 T.N. 14K 14K 884 398
N=5
N=6

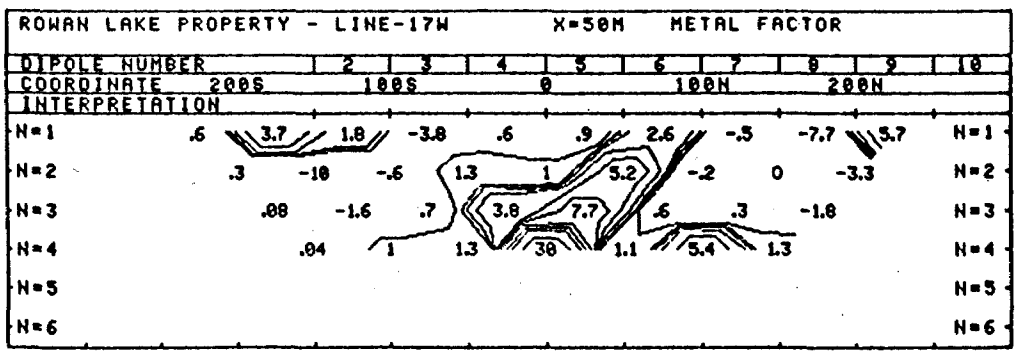

ROWAN LAKE PROPERTY - LINE-17W X=100M PFE
DIPOLE NUMBER 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
COORDINATE 800S 600S 400S 200S 0 200N 400N 600N
INTERPRETATION
N=1 1 .2 1.6 1 .5 .4 .2 .4 2.6 3.2 .2 -3 -1.1 1.9 -.6 5.5
N=2 2.6 .6 .2 1 .4 .5 .2 .5 2.7 2.9 2.8 -3.3 .5 .9 2.7 6.2
N=3 3.2 .7 .1 .2 .9 .5 .4 2.6 2.9 2.5 3.7 1.3 .7 1.5 .5
N=4 1.4 .6 .1 1.2 .6 .9 2.7 2.8 2.5 T.N. 4.7 1.7 1.4 4
N=5
N=6


ROWAN LAKE PROPERTY - LINE-17W X=100M METAL FACTOR
DIPOLE NUMBER 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
COORDINATE 800S 600S 400S 200S 0 200N 400N 600N
INTERPRETATION
N=1 .3 .06 .4 1 .4 .7 .08 .1 1.5 3.1 .5 -21 -1.5 .4 -.84 1.3
N=2 .6 .1 .1 .5 .1 .2 .2 .04 .5 11 8.5 -2.6 .3 1.8 .7 .3
N=3 .3 .1 .08 .04 .2 .1 .07 .2 5 40 3.2 .06 .6 3.6 1.2
N=4 .3 .2 .02 .2 .1 .07 .7 3 22 T.N. .3 .1 1.6 10
N=5
N=6

DWG. NO.-I.P.-[redacted]36-





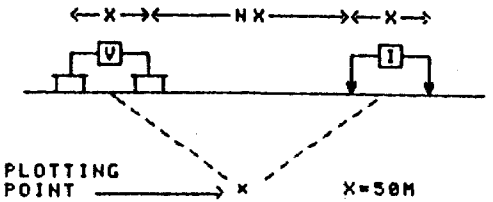


DEJOUR MINES / NOVA CO. EXPL.

ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-17W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.3 & 5.0 HZ.

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10

DATE SURVEYED: JULY 1984
APPROVED

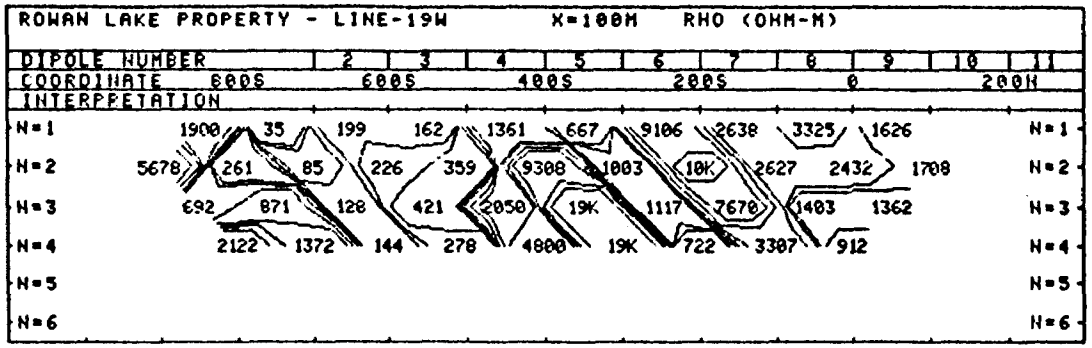
DATE

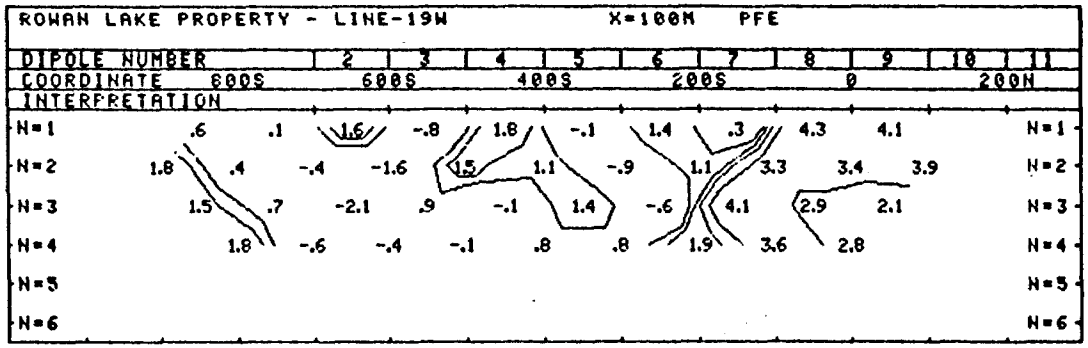
PHOENIX GEOPHYSICS LTD.

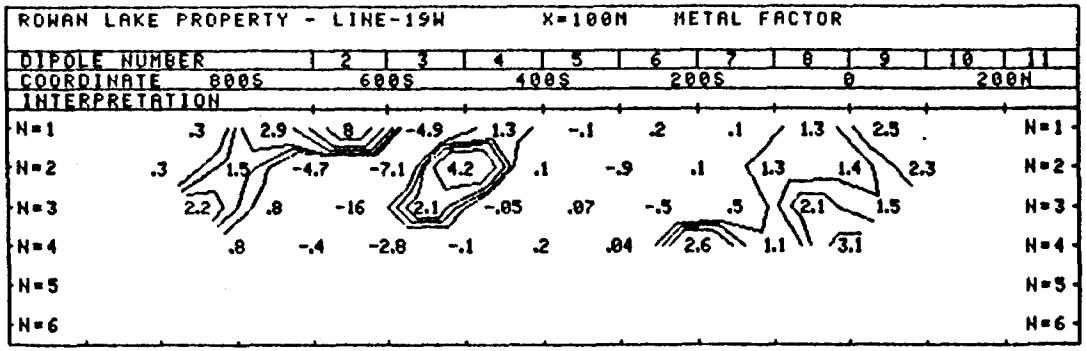
INDUCED POLARIZATION

AND RESISTIVITY SURVEY

DWG. NO.-I.P. 84-36-





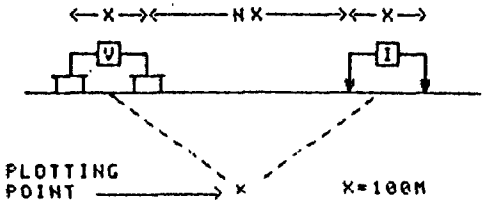


DEJOUR MINES / NOVA CO. EXPL.

ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-19W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.3 & 5.0 HZ.

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10

DATE SURVEYED: JUNE 1984

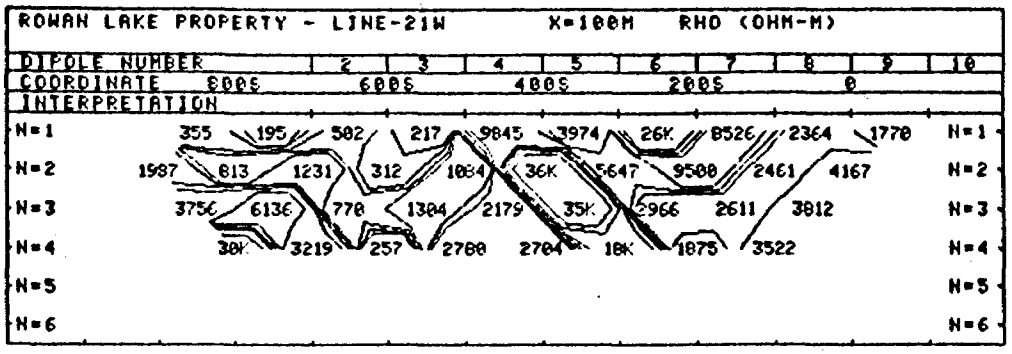
APPROVED

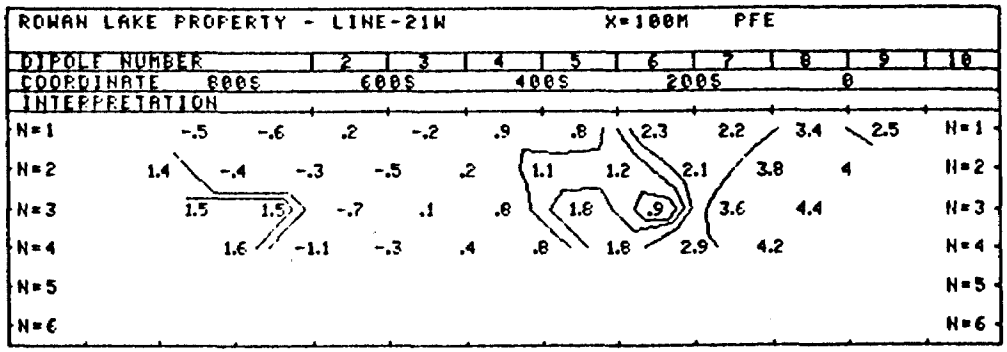
DATE

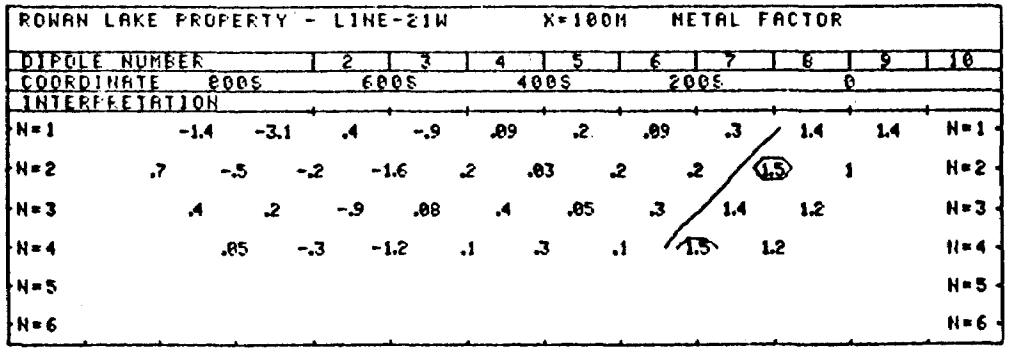
PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION

AND RESISTIVITY SURVEY







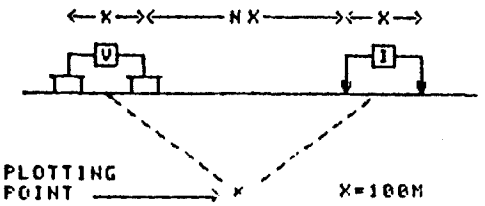
DWG. NO.-I.P.-84-

DEJOUR MINES / NOVA CO. EXPL.

ROWAN LAKE PROPERTY

CAMERON LAKE AREA / ONTARIO

LINE NO.-21W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.3 & 5.0 HZ.

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10

DATE SURVEYED: JUNE 1984

APPROVED

DATE

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION

AND RESISTIVITY SURVEY

020

VOLUME I

REPORT ON EXPLORATION OF THE ROWAN LAKE PROPERTY, KENORA DISTRICT, ONTARIO

PREPARED FOR

DEJOUR MINES LIMITED

NOVA-CO EXPLORATION LIMITED

BRINCO LIMITED

DERRY, MICHENER, BOOTH & WAHL

S. S. McRoberts, B.Sc.

I. S. Thompson, P.Eng.

REF.: 84-64

Toronto, Canada
December 31, 1984

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SUMMARY AND CONCLUSIONS

The Rowan Lake property, comprising 57 mining claims in the Lawrence-Rowan Lakes area, District of Kenora, Ontario, is held by Dejour Mines Limited, Brinco Limited and Nova-Co Exploration Limited. The property lies about 6.5 km east and, on the basis of regional aeromagnetic data, on apparent geological trend from the Monte Cristo gold prospect and about 16.5 km from the Cameron Lake gold deposit.

Over the period October 1, 1983 - December 31, 1984, a comprehensive program comprising line cutting, magnetometer, VLF-EM and IP/resistivity surveys, mapping, prospecting, soil and humus sampling, bulldozer stripping, trenching and ten diamond drill holes, totalling 940 metres, was carried out by Derry, Michener, Booth & Wahl for Dejour as operator of the joint venture.

The property lies near the western extremity of the Archean Savant Lake-Crow Lake metavolcanic-metasedimentary belt and is underlain primarily by mafic metavolcanic rocks, presumed to be flows and probably of basaltic composition. Minor felsic to intermediate metavolcanics are present in the north part of the property. The volcanics are intruded by stocks of gabbro and quartz-feldspar porphyry and by felsic dykes or sills.

In the central part of the property the volcanics are strongly foliated and/or sheared and pervasively carbonatized and, to a lesser degree, silicified, sericitized, pyritized and cut by quartz-carbonate veining. This foliation and alteration coincides with a horizon of narrow, linear, positive amplitude, magnetic anomalies, referred to in our reports as the Central horizon. This horizon appears to be the strike extension of the shear zone which hosts gold mineralization at the Monte Cristo prospect and coincides with a zone of anomalous IP effect (PFE) and a marked flanking low resistivity zone, which has been traced for about 1,500 m.

Orientation soil sampling over the Monte Cristo prospect showed gold values of up to 15,000 ppb in B-zone soils indicating that this should be a suitable sample medium on the property. A total of 1,360 B-zone soil samples, collected at 25 m intervals on lines 100 metres apart, showed that although several gold values (up to 178 ppb Au) above background were detected, they were generally isolated highs and none formed anomalous patterns on which exploration could be focused, particularly along the Central horizon.

Rock geochemical sampling showed values up to 600 ppb Au and, together with the anomalous IP responses, governed the selection for eight areas for bulldozer stripping and trenching. Five of these, trenches 1, 4, 6, 7 and 8, excavated over the Central horizon, exposed an area marked by shearing, carbonate alteration, sericitization, silicification and pyritization. Gold values of up to 805 ppb were obtained from conformable pyritiferous, quartz-carbonate veins within a 5 metre wide gossan zone in trenches 6 and 7.

A total of eight holes were drilled to test the Central horizon and two others to test the Northern and Southern IP horizons. Gold values found in six holes on the Central horizon are erratically distributed throughout the volcanics and are also present in narrow pyritiferous, quartz-carbonate veins, or veinlets, within weakly to strongly altered areas which have been correlated, as far as possible, on the basis of intensity of both deformation and alteration. Two deeper holes, #9 and #10, have shown that these conditions persist to depth. The other IP horizons are caused by weak sulphides without gold.

The four best intersections obtained from the drilling program are as follows:-

(1) A 2.3 m interval in hole #3 from 68.7 m - 71.0 m in which two mineralized intersections were sampled, i.e. 3,345 ppb (3.4 g/t) Au over 1.0 m from 70.0 m to 71.0 m, 3,300 ppb (3.3 g/t) Au over 0.5 m from 68.7 to 69.2 m. The intervening 0.8 m was unfortunately not sampled. The mineralization occurs within weakly altered and massive to weakly foliated mafic metavolcanics.

(2) 2,503 ppb (2.5 g/t) Au over 0.5 m at a depth of 61.75 m in hole #1. The mineralization is associated with pyrite within quartz-carbonate veinlets in weakly altered and foliated mafic metavolcanics.

(3) 2,914 ppb (2.9 g/t) Au over 0.5 m at a depth of 51.0 m in hole #1 within strongly altered and foliated mafic metavolcanics.

(4) 1,275 ppb (1.2 g/t) Au over 1.0 m at a depth of 125.0 m in hole #10 within strongly altered and foliated metavolcanics.

In summary, a zone of erratically gold mineralized, altered and foliated metavolcanics has been traced by prospecting, trenching and by six drill holes across a width of 150 m and along a strike length of 550 m in the west part of the property. On the basis of hole # 7, and the resistivity responses, this altered horizon may extend a further 650 m to the east.

In our opinion, further drilling is warranted to test the full strike length of these altered and foliated mafic metavolcanics to search for ore shoots that, on the basis of comparison with the Cameron Lake deposit, could be quite short in their strike length. On that property it has been reported that the ore shoot, at a depth of about 85 m, is only 125 m in length and 75 m in width and plunges steeply to the northwest. It is therefore apparent that more detailed drilling would be required to search for a small, but relatively good grade target of this type.

Respectfully submitted,

DERRY, MICHENER, BOOTH & WAHL

S. S. McRoberts, B.Sc.

I. S. Thompson, P.Eng.

Toronto, Canada
December 31, 1984

B. & C. LTD.

INTRODUCTION

Over the period October 1, 1983 to December 31, 1984 a program of geological, geophysical and geochemical surveys, trenching and diamond drilling was carried out by Derry, Michener, Booth & Wahl on the Rowan Lake property held by Dejour Mines Limited, Nova-Co Exploration Limited and Brinco Limited (Figure 1).

This property, located just east of Rowan Lake, lies approximately 6 km northeast of and on apparent geological trend of the Nuinsco Resources Limited-Monte Cristo property, on which gold mineralization has been found in strongly altered and sheared mafic metavolcanics. The Nuinsco Resources/Lockwood Petroleum-Cameron Lake deposit, reported to contain about 1,500,000 tons at 0.15 oz. Au/ton, is about 16.5 km southwest of the Rowan Lake property. Our report describes the results of this prospecting, mapping, geochemical surveying and drilling with reference to geophysical surveys that have been completed and filed separately.

PROPERTY, LOCATION AND ACCESS

The 57 claim Rowan Lake property is held by Dejour Mines Limited and Nova-Co Exploration Limited. Under the terms of a Joint Venture agreement dated August 9th, 1984 Brinco Limited has provided project funding since then to have earned a 35% interest. Dejour, as operator, and Nova-Co currently hold respective interests of 47% and 18%.

DEJOUR - NOVA - CO
ROWAN LAKE PROPERTY MAP

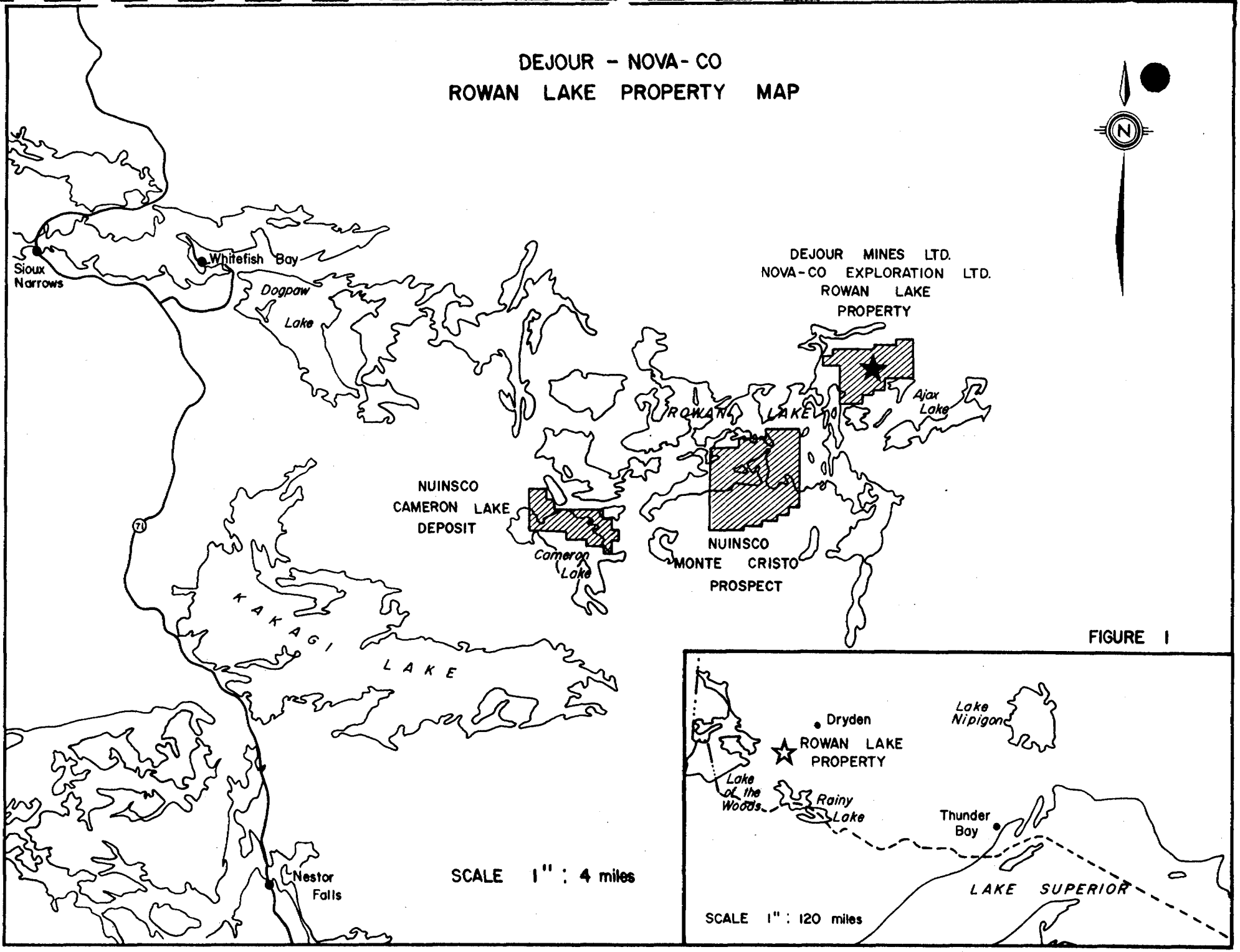


FIGURE 1

The majority of the claims covers the extreme northwest quarter of the Lawrence Lake claim map, District of Kenora, Kenora Mining Division as shown on Figure 2 and listed below:-

K696726 - K696736, inclusive

K696738 - K696744, inclusive

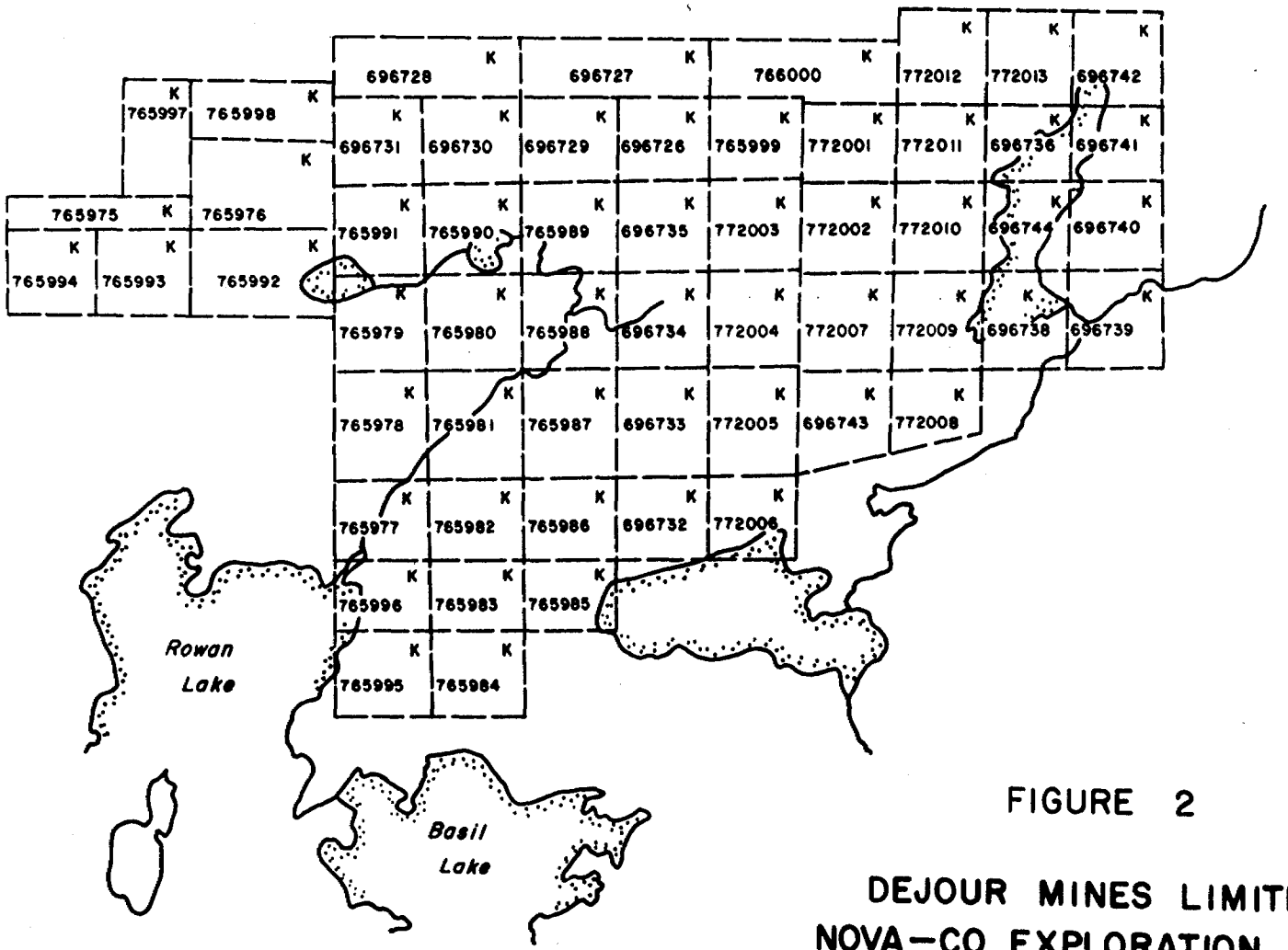
K765975 - K766000, inclusive

K772001 - K772013, inclusive

The property is readily accessible by travelling 16 km from Dryden along Highway #502 to Century Road, a primary logging road established by Great Lakes Forest Products of Dryden, Ontario (Figure 3). This logging road was extended to the northeast boundary of the property in July 1984. The distance from the property to Highway #502 along Century Road is 65 km. Initially, fixed-wing float-equipped aircraft were used. Presently, several bulldozer and drill roads permit access on to the property.

PREVIOUS WORK

No previous work has been performed on any of the mining claims, with the exception of mining claims K-765979 and K-696730, where several trenches and pits have been excavated at least 40 years ago and for which no records are available.



Scale 1" = 1/2 mile

Information from Plan No. M.2580 and M.2579

FIGURE 2

DEJOUR MINES LIMITED
NOVA—CO EXPLORATION LTD.

ROWAN LAKE PROJECT
CLAIM MAP

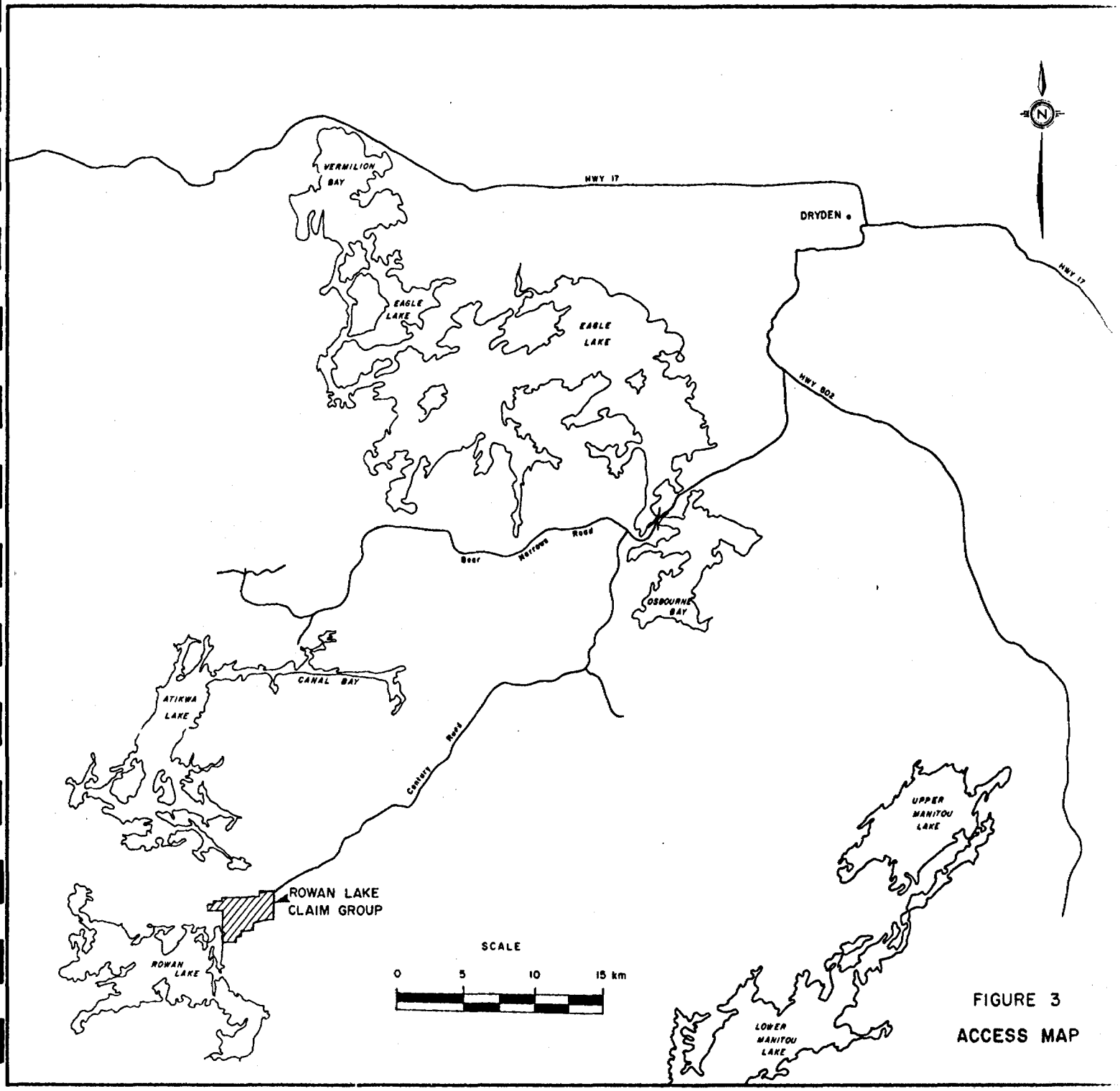


FIGURE 3

ACCESS MAP

WORK COMPLETED

The exploration program, which commenced on October 1st, 1983 and continued through December 31, 1984, included the following phases:-

1983

(1) Line cutting, totalling 96 km, was carried out over the entire claim group using a line separation of 100 m and picket intervals of 25 m. The line cutting was carried out by Redline Exploration Inc. of Sioux Lookout and CDI Surveys Inc. of Val d'Or between the period September 28th, 1983 and January 10th, 1984.

1984

(2) Magnetometer and VLF-EM surveys were carried out across the entire property by Derry, Michener, Booth & Wahl between January 10th, 1984 and February 10th, 1984.

(3) Prospecting of the entire claim group and 92 km of geological mapping and rock sampling of all claims west and north of the lake on the east side of the property were carried out by S.S. McRoberts, B.Sc., as well as induced polarization/resistivity and humus/soil geochemical surveys, generally across the central horizon of the property. All above work was carried out by DMBW and Phoenix Geophysics Limited of Toronto between May 31st, 1984 and July 12th, 1984.

(4) Bulldozer roads, totalling 4.6 km, were established to provide access to the areas selected for stripping, trenching and sampling, which was carried out from August 15th to September 16th, 1984. The bulldozer work was done by Hoey-McMillan Construction Limited of Dryden, Ontario.

(5) Ten diamond drill holes for a total of 940 m (4,402 ft.) were drilled to test several IP/resistivity anomalies. The diamond drilling was carried out by Bradley Bros. Diamond Drilling Limited of Timmins, Ontario, between October 1st, 1984 and November 14th, 1984. The core is stored in a drill shack on claim #696742.

(6) Data compilation throughout the year ending December 31st, 1984.

The work carried out in 1984 will be submitted for credit under the provisions of the Ontario Mineral Exploration Program (OMEP).

REGIONAL GEOLOGY

Rowan Lake lies near the western extremity of the Archean Savant Lake-Crow Lake metavolcanic-metasedimentary belt (Trowell, et al., 1980). Within the Kakagi-Atikwa Lakes area, the region is divided by the northwest-southeast trending Pipestone-Cameron Fault Zone (Figure 4).

(1) Southwest of the fault, the region is underlain by two sequences; the lower Snake Bay and Katimiagamak Lake volcanics and the upper Kakagi Lake volcanics. The Snake Bay volcanics in the northwest are composed of a thick sequence of predominantly pillowed mafic flows. In the south, the Katimiagamak Lake volcanics of similar lithology and thickness have been intruded by gabbroic sills. The Kakagi Lake Group consists of intermediate pyroclastics and metasediments that have been intruded by differentiated ultramafic to mafic sills.

(2) Northeast of the Pipestone-Cameron Fault Zone, the Rowan Lake volcanics to the north and the Brooks Lake volcanics to the south are overlain by the Cameron Lake volcanics. The Rowan Lake and Brooks Lake volcanic sequences are composed predominantly of pillowed mafic flows whereas the upper Cameron Lake rocks are of a mixed sequence of intermediate and mafic flows and pyroclastics with minor felsic flows and tuffs.

Several younger stocks and batholiths, ranging from felsic to ultramafic in composition, have intruded all rock units.

A major fold structure, the Shingwak Anticline, has deformed rocks northeast of the Pipestone-Cameron Fault. The Cameron Lake gold deposit of Nuinsco Resources Limited and Lockwood Petroleum Incorporated, and the Monte Cristo gold prospect of Nuinsco Resources, both lie on the south limb of the Shingwak Anticline within the Brooks Lake volcanics and near to the transition to the Cameron Lake volcanics.

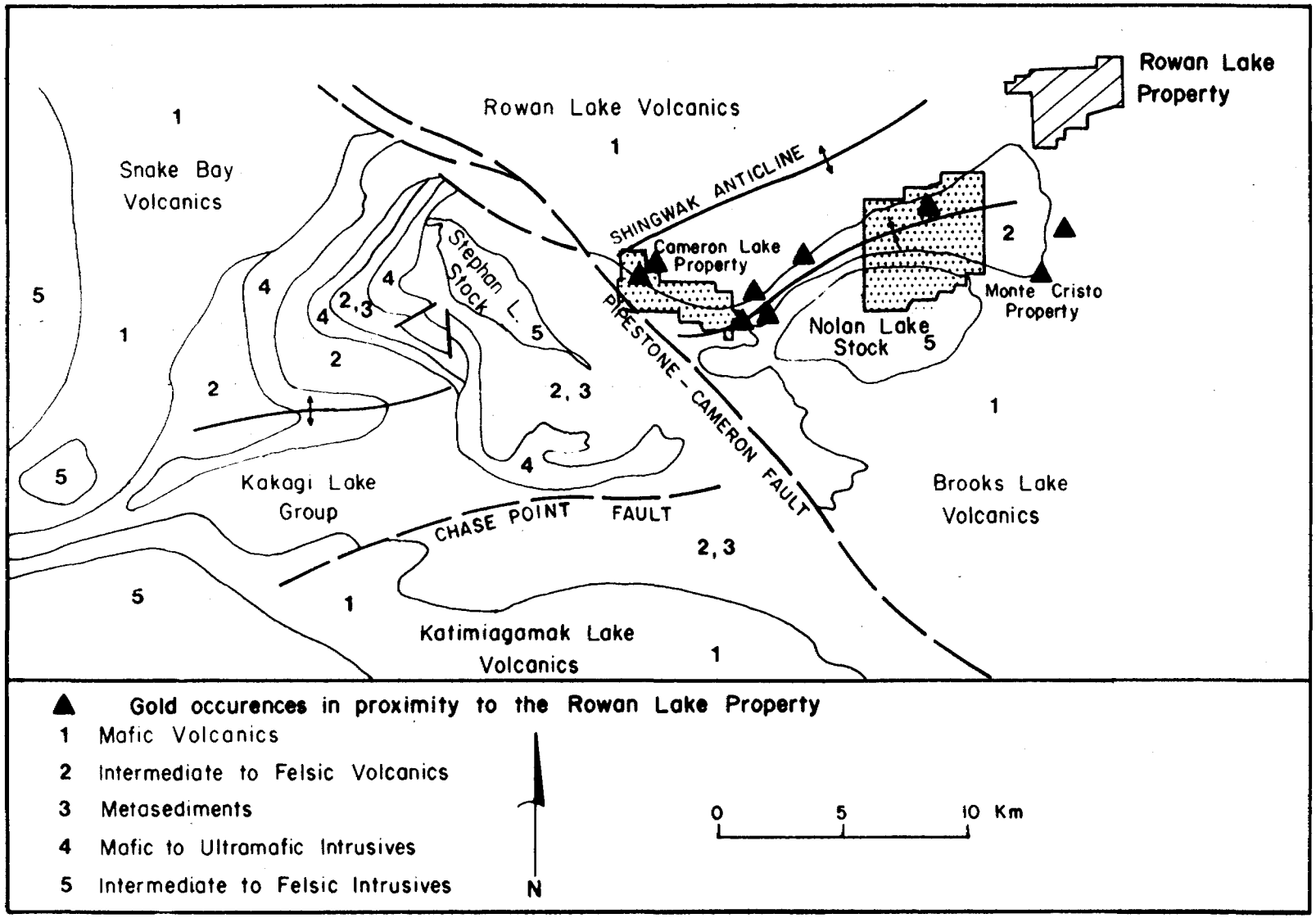


FIGURE 4: Sketch map of regional geology. Modified from Blackburn and Janes (1983).

Several gold showings of the Kakagi-Rowan Lake area appear to be confined to shear zones within altered mafic volcanics (Blackburn and Janes, 1983).

PROPERTY GEOLOGY

Approximately 90 km of geological mapping was carried out using our previously established cut grid with a 100 m line spacing. Claims K696739-742 inclusive east of the north-south trending lake on the east side of the property have been prospected but not mapped.

Geological mapping has revealed the presence of predominantly mafic flows in the northern and southern portion of the property area (Maps 84-64-1, 84-64-2 and 84-64-3). The orientation of the lithologies in the central portion of the grid is parallel to an east-northeast regional magnetic trend and consists predominantly of weakly to strongly foliated mafic flows with local shear zones. Minor lenses of mafic to felsic pyroclastic rocks occur within the central and northern portions of the claim group and are thought to be part of the younger Cameron Lake volcanic sequence. Granitic dykes and/or sills and quartz feldspar porphyry, associated with the Atikwa Batholith and, gabbro dykes/sills intrude the massive basaltic rocks in the northern portion of the claim group.

Mafic Metavolcanics (Map Unit 1)

The basis for classification in the field was colour, hardness, and to a lesser extent, the abundance of chlorite. The rocks were further differentiated on the

basis of texture (i.e. massive, foliated or porphyritic). The composition of the mafic metavolcanics was not determined by whole rock analysis but the rocks are thought to be of basaltic composition.

Typically, these basaltic rocks are soft, fine-grained to coarse-grained, massive to well-foliated, locally porphyritic, dark green to black with abundant chlorite within the groundmass and along the foliation planes. Although neither pillows nor flow tops were recognized, the rocks probably represent flows. Minor but distinct pyroclastic units are found on the north-central portion of the grid. In several places the basaltic rocks have been foliated and metamorphosed to chlorite schist as well as locally sheared in others. In places, due to extreme foliation, the rocks resemble fine-grained tuffaceous sediments.

Intermediate to Felsic Metavolcanics (Map Units 2 and 3)

On the accompanying geology maps (i.e. 84-64-1, 84-64-2 and 84-64-3), 34 separate occurrences of intermediate to felsic metavolcanics have been mapped, one which extends for approximately 600 m as traced by outcrop. There appears to be three distinct types of intermediate to felsic volcanic rock units present on the property:-

(1) Light green, foliated intermediate metavolcanics: - This type is only exposed on line 18W/3+50N, on lines 17 and 16W/8+50 to 8+75N and on line 14W/4+75S.

(2) Light green to grey, massive, intermediate to felsic metavolcanics: - Rocks of this type are exposed in the northeast corner and south-central portions of the claim group.

(3) Light green to grey, intermediate to felsic lapilli tuff: - This unit appears along two horizons of the property. The most extensive is located north of the base line on the central portion of the grid. This unit can be traced in outcrop for 600 m. The other horizon is exposed only on line 10W at 4+00S. The tuff contains well-defined, highly elongated, intermediate to felsic fragments ranging from 1 cm to 3 cm within a fine-grained siliceous matrix. Sulphide mineralization is weak to absent.

Gabbro (Unit 4)

This unit is well exposed in the north-central portion of the grid and is poorly exposed at 16W/3+50S. It appears as a medium to coarse-grained, massive to porphyritic black coloured rock and is either a dyke or a sill.

Quartz-Feldspar Porphyry (Unit 5)

Quartz-feldspar porphyry intrusives are found in the north-central portion of the property. They contain 1-3 mm quartz and feldspar phenocrysts in dark fine-grained siliceous matrix. The porphyry is probably related to the Atikwa Batholith.

Felsic Intrusive (Unit 6)

Felsic dyke/sills appear in the north-central portion of the property and are fine-grained, siliceous and pinkish in colour.

Alteration and Structure

Alteration in the form of pervasive carbonatization, as well as silicification, quartz-carbonate veining and sericitization appears to be stronger within a central foliated horizon than within the enclosing northern and southern massive mafic volcanic rocks where alteration is minor or absent. Alteration appears to be strongest within the zones of shearing. Trace to 10% disseminated and banded pyrite is usually associated with the alteration.

Several geophysically interpreted faults and lineaments cut the property (see geophysical compilation) and all rocks within the central horizon have been foliated and locally sheared. These zones of shearing, with associated alteration and mineralization, are somewhat similar to those of the Monte Cristo gold occurrence.

GEOPHYSICS

Magnetometer, electromagnetic and induced polarization/resistivity surveys have been carried out on the Rowan Lake property during several stages of the program. Three (3) reports by DMBW summarizing the results of the geophysical surveys which, with the exception of the report on the IP/resistivity survey, have been previously submitted and filed with the Mining Recorder are listed below:-

(1) Geophysical Surveys Covering the Rowan Lake Property of Nova-Co Exploration Limited and Dejour Mines Limited, District of Kenora, Kenora Mining Division, Ontario - R. W. Woolham, April 16, 1984.

(2) Report on the Induced Polarization Survey, Dejour-Rowan Lake Property - R. W. Woolham, September 7, 1984.

(3) Magnetometer Surveys, Rowan Lake Property, Kenora Mining Division, District of Kenora, Ontario - S. S. McRoberts, November 30, 1984.

The report summaries and a revised geophysical compilation map are enclosed in Appendix B.

GEOCHEMISTRY

During the program, with the exception of drill core, a total of 2,933 Au and As analyses of 180 rock samples, 1,316 soil samples and 220 humus samples were submitted for geochemical analysis to Bondar-Clegg & Company Limited of Ottawa and Barringer Magenta Ltd. of Rexdale, Ontario.

All soil and humus samples were analyzed by fire assay/carbon-rod atomic absorption spectrophotometry for gold after drying, disaggregation, sieving to -80 mesh for the soils and to -50 mesh for the humus samples and digestion with an aqua regia solution. Furthermore, most soil and humus samples were analyzed for As by colorimetric techniques after a nitric perchloric digestion and arsenic hydride generation.

All rock samples, with the exception of drill core, were analyzed for gold by fire assay/AA after crushing, pulverizing to -200 mesh and digestion with an aqua regia solution.

Orientation Survey

A soil orientation survey was carried out across a portion of the Nuinsco Resources-Monte Cristo "main shear zone" as part of the exploration program in order to test the effectiveness of B-horizon sampling medium for detecting anomalies and to compare the geochemical values obtained from the subsequent sampling to a known gold-bearing horizon.

Gold mineralization, at the Monte Cristo property, occurs as pencil-like ore shoots within severely crenulated alteration zones consisting of complete and partial carbonatization, sericitization and silicification, and localized pyrite and fuchsite. Some of the better mineralization is associated with quartz and quartz-carbonate veining and brecciation. The gold appears to be associated with pyrite, rutile, chalcopyrite and pyrrhotite. The alteration zones are located within a shear zone, which strikes 60° to 70°, dips 80° to 85°N and averages 500 ft. in width.

A total of eight B-horizon samples were collected from 50 ft. stations between 1+50S to 2+00N along line 0 across a portion of the "main shear zone" showing. The samples were analyzed for gold and the results are summarized on the following page.

Outside of the "Main Zone"			Above the "Main Zone"		
Sample	Station	Gold Value (ppb)	Sample	Station	Gold Value (ppb)
MC-1	1+50S	32	MC-5	0+50N	1
MC-2	1+00S	less than 1	MC-6	1+00N	greater than 15,000
MC-3	0+50S	less than 1	MC-7	1+50N	16
MC-4	Base Line	1	MC-8	2+00N	115

The sample exceeding 15,000 ppb Au value, as well as the elevated gold values (16 ppb to 116 ppb) in several of the samples, indicates that the B-horizon is a suitable sampling medium to detect gold mineralization at the Monte Cristo prospect and hence was chosen as the preferred sampling medium on the Rowan Lake property. Where a B-horizon soil sample was unobtainable, an Ao-horizon (humus) soil sample was taken.

Humus/Soil Surveys

On the Rowan Lake property, samples of the Ao (humus) or B-horizon soils were taken at 25 m stations on 100 m line spacings between approximately 2+00N and 10+00S from line 25+00W to line 9+00E, inclusive. A total of 1,316 soils and 220 humus samples were collected across this interval because regional aeromagnetic trends and ground geophysical surveys suggested that the favourable gold-bearing horizons of the Cameron Lake and Monte Cristo properties extend into this portion of the Rowan Lake claim group. In some areas, sampling was not possible because of extensive outcrop or swampy conditions.

The results of the soil and humus geochemical analyses are plotted on Maps 84-64-4 and 84-64-5. The distribution is shown below:-

	No. of Samples	Minimum	Maximum	No. of Highs
Soils - Au (ppb)	1,316	below 1	178	28
Humus - Au (ppb)	220	below 1	78	9

Soils

The data shows a total of 28 isolated sample sites, i.e. about 3% of the sample population, where enhanced gold values, exceeding 6 ppb, occur. The majority of the gold values are at or below the detection limit of 1 ppb.

The highest value on line 10+00W at 4+15S was 178 ppb. The station was later resampled and other surrounding samples were taken but all samples returned less than 1 ppb Au. Twenty-seven other soil sample values ranging from 6 ppb to 54 ppb have also been indicated but again these values appear to be isolated with the possible exception of soil station 6+00E/4+50S where gold values increased with additional sampling.

Humus

In humus, the highest gold value was 78 ppb taken on line 24+00W at 5+00S. Generally, the majority of the humus gold values were less than 7 ppb and the same

medium seems less suitable than soils. There is no correlation between enhanced gold values in humus and in soil. The majority of the values are at or below the detection limit of either 1 or 2 ppb Au.

In conclusion and by comparison with the orientation survey on the Monte Cristo property, the gold geochemical values in either soil or humus are only slightly enhanced on the Rowan Lake property.

Rock Surveys

During geological mapping and prospecting, rock samples were collected from outcrops showing any alteration or sulphide mineralization. The geochemical analyses for all rock samples for the survey are plotted on the geology maps, 84-64-1, 84-64-2 and 84-64-3.

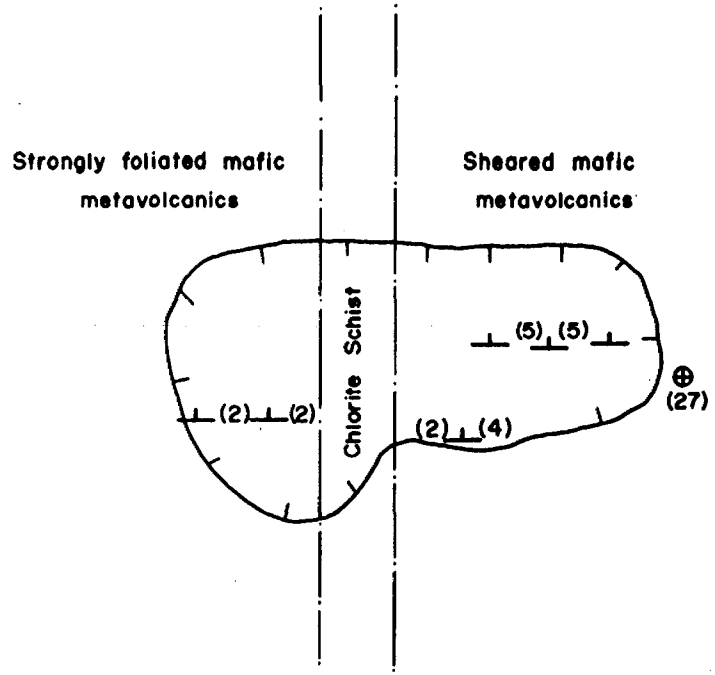
The majority of the samples contain gold values at or below the detection limit of 5 ppb and a few other samples returned values of 10 ppb to 20 ppb Au. Enhanced gold values ranging from 20 ppb to 600 ppb Au were detected in several other areas and where associated with favourable geology and geophysical targets. Such areas were subsequently trenched as described in the following section.

TRENCHING

Eight areas were selected for trenching, five based on geochemistry (T1, T2, T3, T4 and T5) and three based on anomalous IP responses (T6, T7 and T8). The selected areas were stripped with a bulldozer and trenches were blasted across the more interesting sections. Several chip samples of variable length, as well as several grab samples, were taken from the trenches. Trench data has been summarized in Table 1. Trench locations are shown on the geology maps (i.e Maps 84-64-1, 84-64-2 and 84-64-3) and a detailed trench map for all trenches is shown in Figures 5 to 11.

Trenches T1, T4, T6, T7 and T8 were excavated within a 150 m wide and 550 m long east-northeast trending and steeply southeast dipping sheared central horizon. This area is characteristically marked by shearing, calcite and Fe-carbonate alteration, sericitization, silicification and with trace to 10% pyrite.

Within this central horizon, a 5 m wide gossan containing conformable quartz-carbonate veins, sericite, trace to 10% pyrite, trace to 5% magnetite and trace chalcopyrite has been exposed in Trenches #6 and #7 (Figures 10 and 11). The gossan is coincident with a moderate to strong IP/resistivity anomaly which extends from line 21W to 7W. Gold values obtained from chip and grab samples from these trenches range from less than 5 ppb to 805 ppb Au. Generally, the higher gold values were taken from quartz-carbonate veins within the gossan zone; however, a sample of 95 ppb was found in a continuous vein just beyond the margin of the gossan.



Trench

Chip sample locations & intervals

Geological contact

(0) Geochemical value for Au in ppb

⊕ Grab sample

FIGURE 5

SCALE

0 5 metres

DEJOUR MINES LIMITED
NOVA—CO EXPLORATION LTD.

ROWAN LAKE PROJECT

TRENCH 1 AREA (L15+50W)

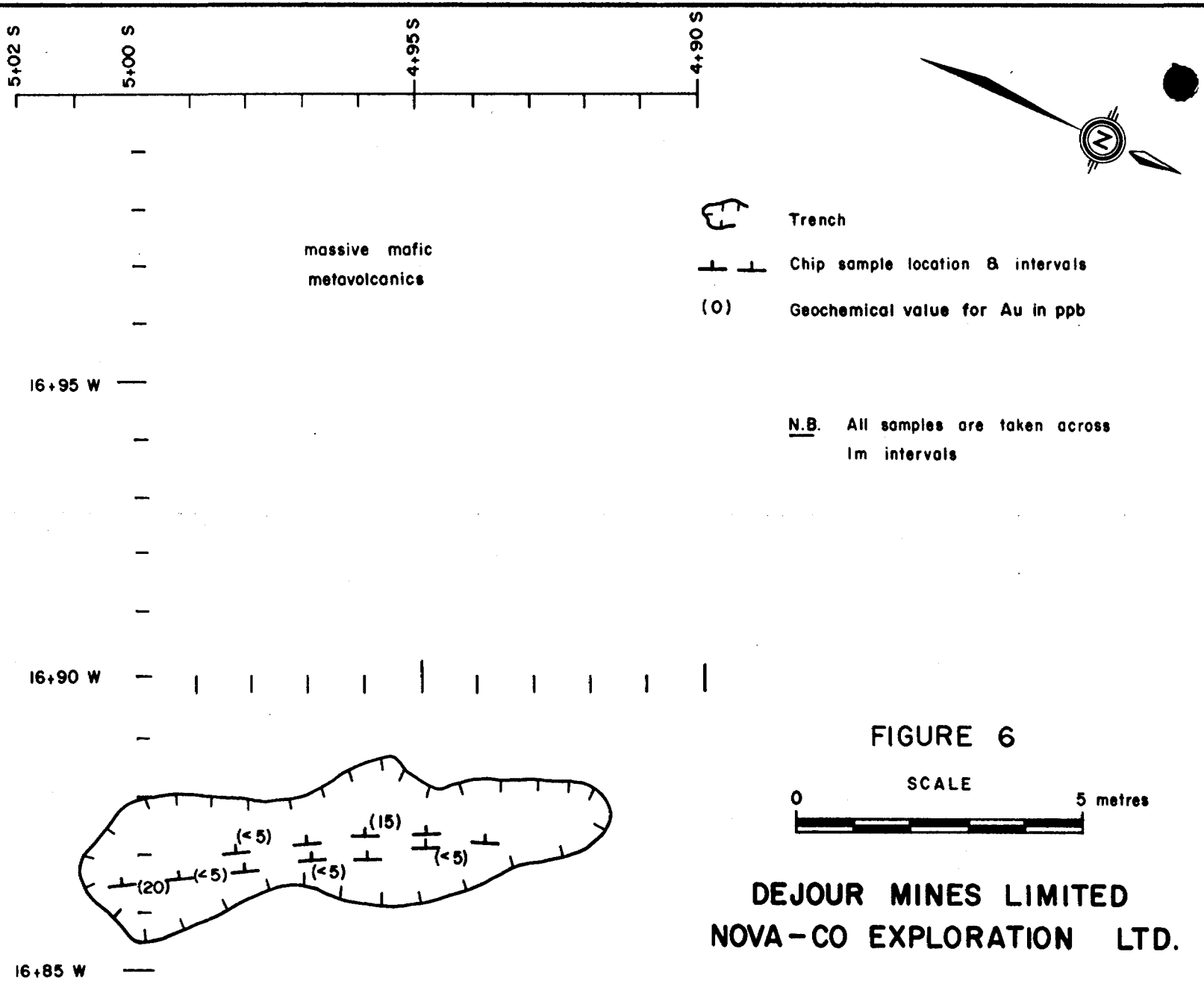


FIGURE 6

DEJOUR MINES LIMITED
NOVA-CO EXPLORATION LTD.

ROWAN LAKE PROJECT

TRENCH 2 AREA
(L 17+00 W)

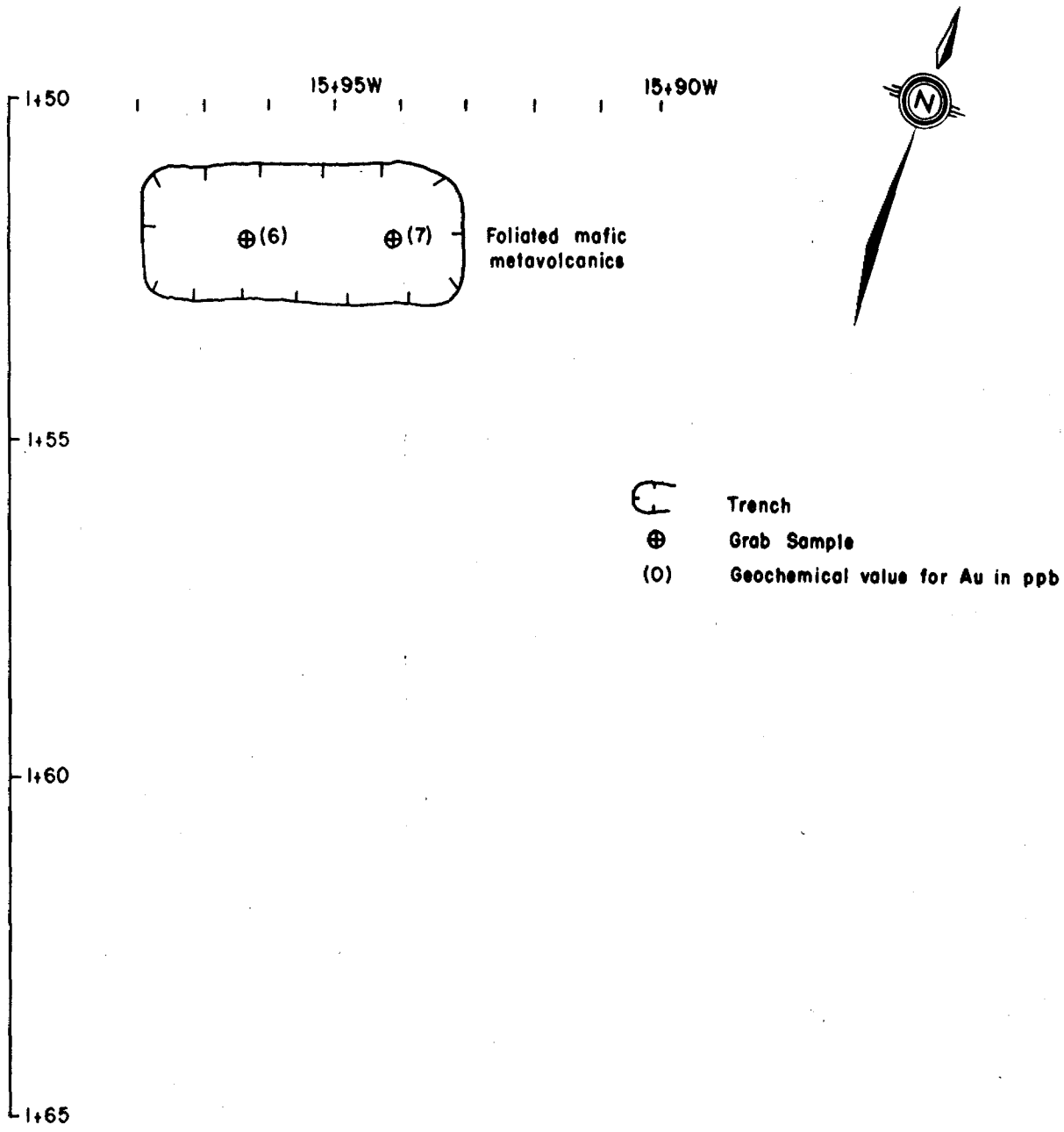


FIGURE 7

SCALE

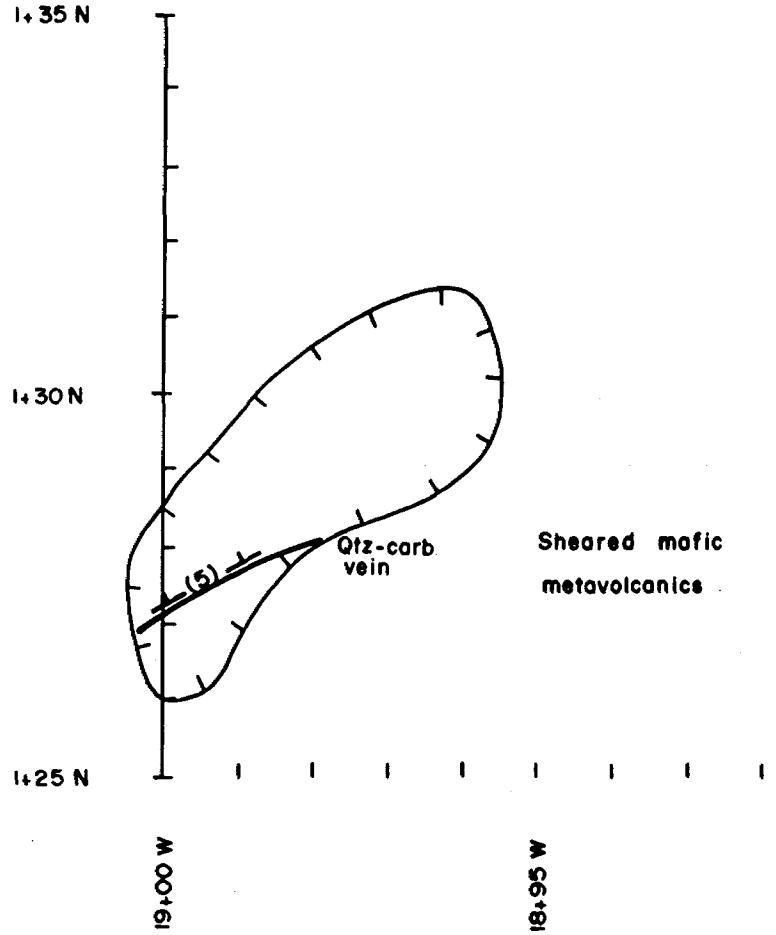
0 5 metres

DEJOUR MINES LIMITED

NOVA—CO EXPLORATION LTD.

ROWAN LAKE PROJECT

TRENCH 3 AREA (16+00W)



Trench

Chip sample locations & intervals

(0) Geochemical value for Au in ppb

FIGURE 8

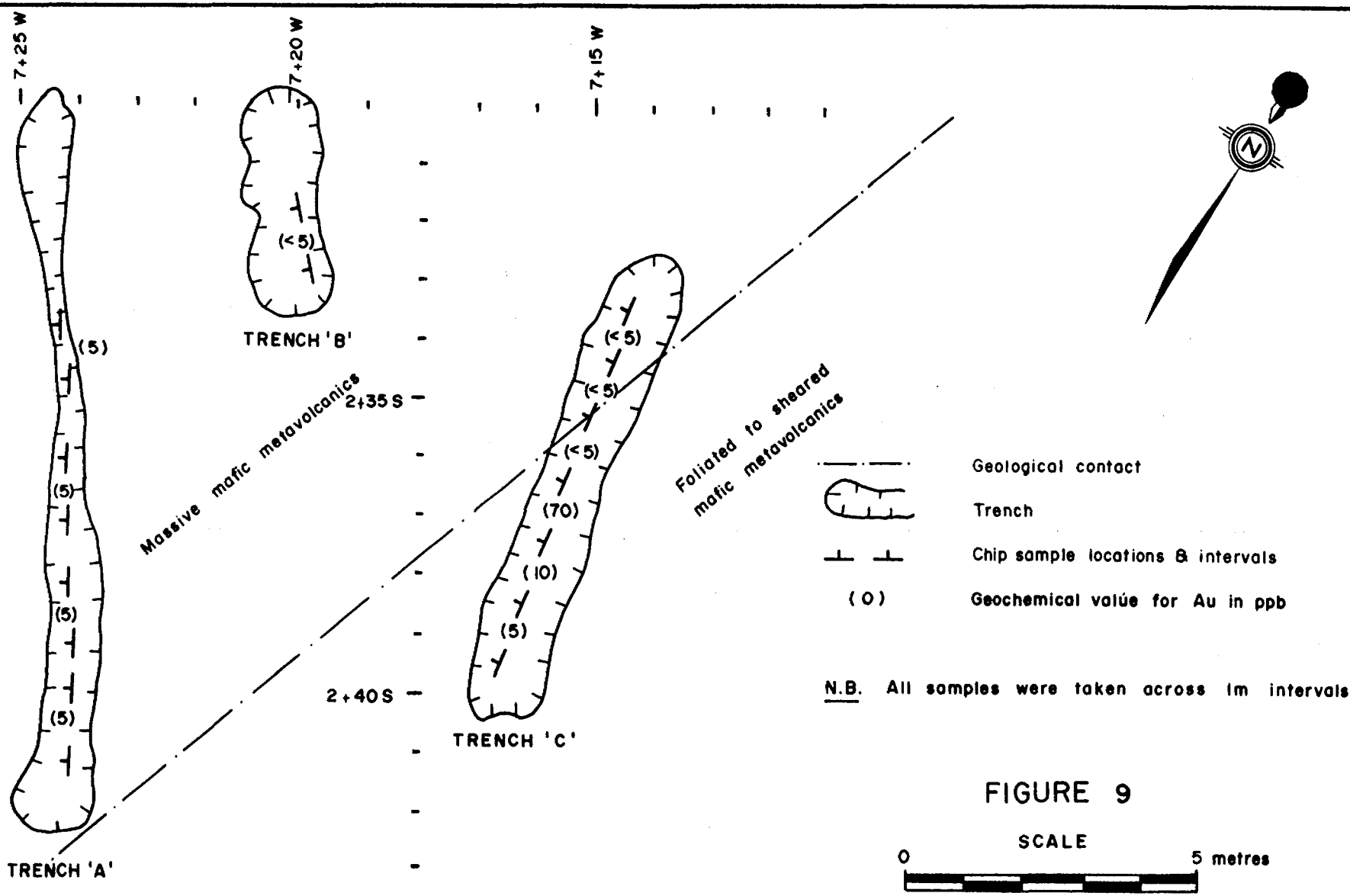
SCALE

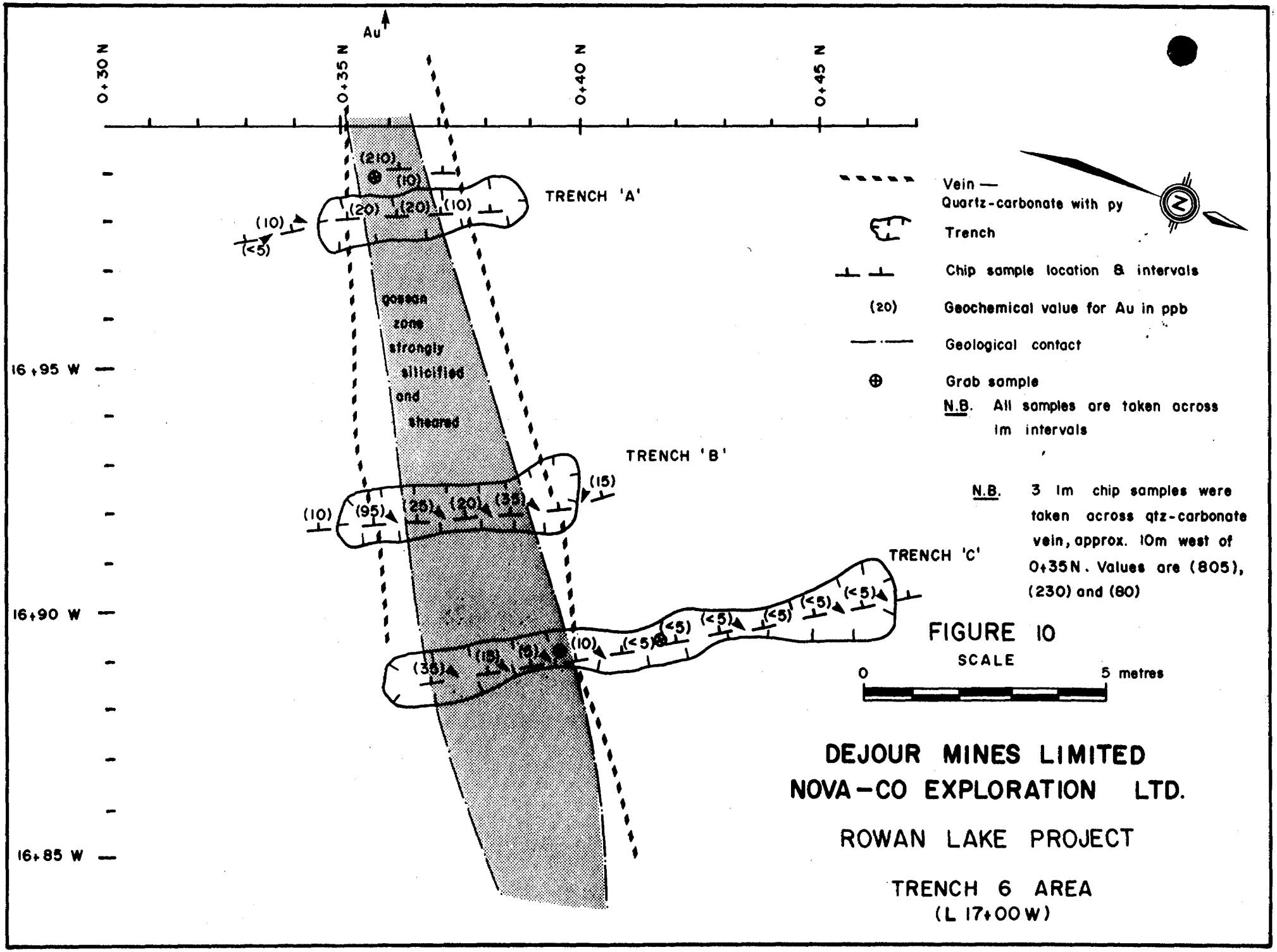
0 5 metres

DEJOUR MINES LIMITED
NOVA–CO EXPLORATION LTD.

ROWAN LAKE PROJECT

TRENCH 4 AREA (L19+00W)


7+25 W
7+20 W
7+15 W
(<5)
TRENCH 'B'
(5)
(5)
(5)
(5)
Massive mafic metavolcanics
2+35 S
2+40 S
(<5)
(<5)
(<5)
(70)
(10)
(5)
Foliated to sheared mafic metavolcanics
TRENCH 'C'
TRENCH 'A'
Geological contact
Trench
Chip sample locations & intervals
(0) Geochemical value for Au in ppb
N.B. All samples were taken across 1m intervals
FIGURE 9
SCALE
0
5 metres
DEJOUR MINES LIMITED
NOVA-CO EXPLORATION LTD.
ROWAN LAKE PROJECT
TRENCH 5 AREA (L 7+00 W)


Au
0+30 N
0+35 N
0+40 N
0+45 N
16+95 W
16+90 W
16+85 W
TRENCH 'A'
TRENCH 'B'
TRENCH 'C'
gossan zone strongly silicified and sheared
(210)
(10)
(20)
(20)
(10)
(10)
(<5)
(10)
(95)
(25)
(20)
(35)
(15)
(<5)
(<5)
(<5)
(<5)
(<5)
(<5)
(<5)
(10)
(35)
(18)
(9)
Vein — Quartz-carbonate with py
Trench
Chip sample location & intervals
(20) Geochemical value for Au in ppb
Geological contact
Grab sample
N.B. All samples are taken across 1m intervals
N.B. 3 1m chip samples were taken across qtz-carbonate vein, approx. 10m west of 0+35N. Values are (805), (230) and (80)
FIGURE 10
SCALE
0
5 metres
DEJOUR MINES LIMITED
NOVA-CO EXPLORATION LTD.
ROWAN LAKE PROJECT
TRENCH 6 AREA
(L 17+00W)

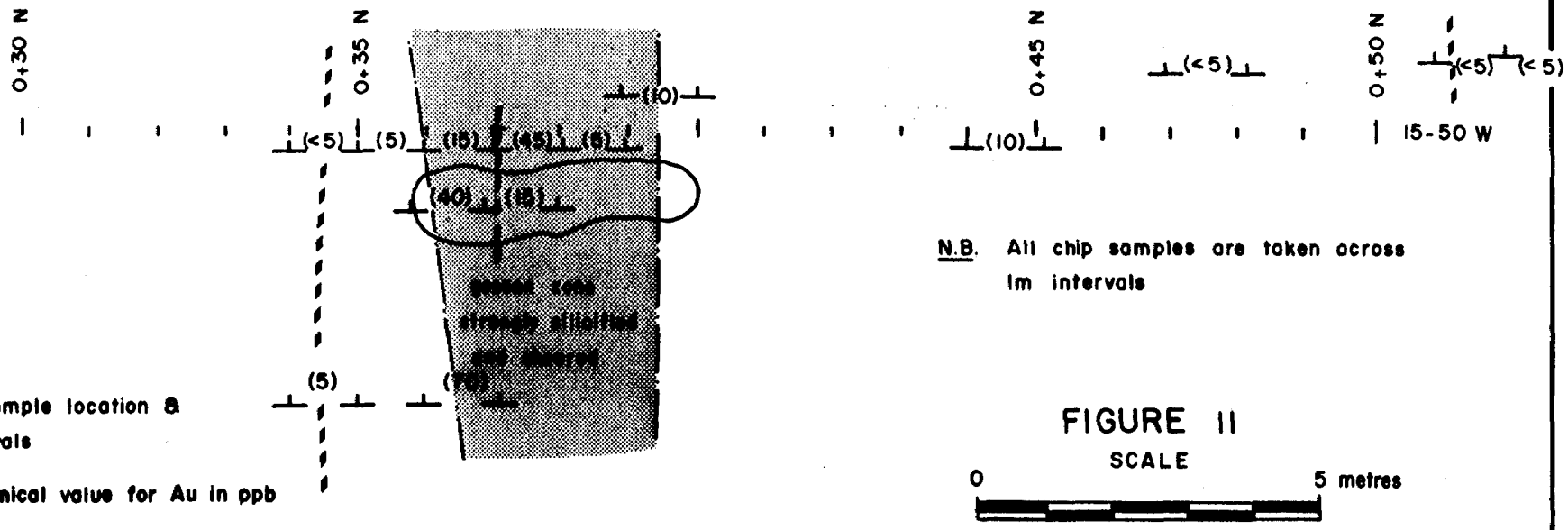

0+30 N
0+35 N
0+45 N
0+50 N
(<5)
(5)
(15)
(45)
(6)
(10)
(40)
(15)
(10)
(<5)
(<5)
(<5)
15-50 W
(5)
(70)
N.B. All chip samples are taken across 1m intervals
Trench
Chip sample location & intervals
(0) Geochemical value for Au in ppb
Quartz-carbonate vein with py
Geological contact
FIGURE 11
SCALE
0
5 metres
DEJOUR MINES LIMITED
NOVA-CO EXPLORATION LTD.
ROWAN LAKE PROJECT
TRENCH 7 AREA
(L 15+50W)

Table 1

TRENCHING DATA

Trench	Location	Lithology	Alteration	Mineralization	Geophysical Response	Gold Values
1	L15+50W -1+25N	sheared mafic flows	quartz-carbonate veining, sericite	trace to 2% py	broad moderate to strong, IP/ resistivity anomaly	low less than 5 ppb high 27 ppb
2	L17+00W -5+00S	massive mafic flows	quartz-carbonate veining	trace to 2% py	magnetometer low	low less than 5 ppb high 20 ppb
3	L16+00W -1+75S	weakly foliated mafic flows	quartz-carbonate veining	trace to 2% py	none	low less than 5 ppb high 45
4	L19+00W -1+25N	sheared mafic flows	quartz veining, sericite	trace to 2% py	broad moderate to strong IP/ resistivity anomaly	low less than 5 ppb high 27 ppb
5	L7+00W -2+00	sheared mafic flows	quartz-carbonate veining, sericite	trace to 5% py	none	low less than 5 ppb high 70 ppb
6	L17+00W -0+35N	sheared mafic flows (Gossan)	quartz-carbonate veining, sericite	trace to 10% py trace to 5% mt trace py	strong IP/ resistivity anomaly low	low less than 5 ppb high 805 ppb (0.024 oz. Au/st)
7	L15+50W -0+25N	sheared mafic flows (Gossan)	quartz-carbonate veining, sericite	trace to 10% py trace cpy	strong IP/ resistivity low	low less than 5 ppb high 70 ppb
8	L19+00W -0+50N	sheared mafic flows	sericite, minor quartz veining	trace py	broad IP/ resistivity low	no samples taken

Trenching and sampling were not carried out on the Trench #8 area because of a lack of alteration and mineralization.

Trenches T1 and T4 occur within the sheared mafic metavolcanics of the central horizon and contain quartz-carbonate veins and trace to 2% pyrite. Gold values range from less than 5 ppb to 27 ppb Au.

Trench area #2 (Figure 6) was excavated to follow-up a gold value of 600 ppb obtained from a grab sample of a 2 cm wide quartz-carbonate vein. The trench exposed massive mafic metavolcanics and chip sampling returned only low gold values (i.e. less than 20 ppb Au).

Trench #3, excavated in weakly foliated mafic flows containing minor quartz-carbonate veining, returned low gold values up to 45 ppb.

Stripping and trenching of the Trench #5 area, 850 m east of Trench 1, was carried out to expose an area of shearing, quartz-carbonate veining and sericite alteration. A grab sample taken previous to trenching contained 135 ppb Au but chip samples taken were disappointing; the highest being only 70 ppb Au.

DIAMOND DRILLING

Introduction

As a result of the previous phases of the exploration program (mapping, IP/resistivity surveys and trenching), three geological, geophysical and geochemical

horizons were outlined, namely the North, Central and South Horizons. Of the three, the most significant horizon is the Central horizon, where the gossan zone, referred to above, with slightly elevated gold values coincides with a moderate to strong IP/resistivity anomaly. Within the North and South horizons, several other lower priority geophysical anomalies have also been indicated (Woolham, 1984) (Refer to Map in Appendix B).

To test these anomalies a total of 10 diamond drill holes, totalling 940 m (4,402 ft.), was completed between October 1st, 1984 and November 12th, 1984 with a two week stepdown during this period. These are shown on Map 84-64-06 and a summary of the locations and purpose are attached as Table 2 overleaf. Eight (8) holes (RL-84-01, 02, 03, 06, 07, 08, 09, 10) were drilled within the Central horizon in order to test the strike length and down-dip extension of the combined IP/resistivity anomaly and gossan zone. Two (2) holes, RL-84-04 and RL-84-05, were drilled to test IP/resistivity anomalies in the Southern and Northern horizons, respectively. All holes were BQ core size and drilling was carried out by Bradley Bros. Diamond Drilling Limited of Timmins, Ontario using a Boyles 17A drill rig and a 3 m core barrel.

Drill collars were located relative to the grid established during the fall of 1983. All drill core was logged, sampled and split on site. For the purpose of plotting sections, a secondary grid coordinate system with a baseline bearing 070°, parallel to geological strike, was calculated from field survey positions to facilitate plotting. All data is in computer processible form to enable rapid and accurate processing to final form. Field data was recorded on a Radio Shack Model 100 portable microcomputer and transmitted via telephone modem through Bell Canada DATAPAC facilities to an HP1000 computer at Markham Data in Markham, Ontario.

HOLE =	COLLAR LOCATION	AZIMUTH	DIP	LENGTH	PURPOSE
RL-84-01	L17+00W 0+15 S	Grid North	-50°	100m	Test IP/ Resistivity Anomaly
RL-84-02	L15+00W 0+15 S	Grid North	-50°	107 m	Test IP/ Resistivity Anomaly
RL-84-03	L19+00W 0+50S	Grid North	-50°	98 m	Test IP/ Resistivity Anomaly
RL-84-04	L9+00W 5+25S	Grid South	-50°	169m	Test IP/ Resistivity Anomaly
RL-84-05	L9+00W 7+00N	Grid South	-50°	115 m	Test IP/ Resistivity Anomaly
RL-84-06	L7+00E 0+75N	Grid South	-60°	149m	Test IP/ Resistivity Anomaly
RL-84-07	L7+00W 0+50N	Grid North	-50°	104m	Test IP/ Resistivity Anomaly
RL-84-08	L13+50W 0+15S	Grid North	-50°	101 m	Test Strike Extension of Zone
RL-84-09	L16+00W 0+95S	Grid North	-50°	202m	Test Down Dip Extension of Zone
RL-84-10	L15+00W 0+98S	Grid North	-50°	200m	Test Down Dip Extension of Zone

TABLE 2

DIAMOND DRILL HOLE DATA

Geochemical analyses and assays were carried out by Bondar-Clegg & Co. Ltd. in Ottawa and results transmitted from their DEC PDP-11/24 computer to Markham Data Inc. The two data sets were merged and reformatted to enable plotting of the sections contained in this report. For further information refer to Appendix D.

Since the lithologies intersected in the drill holes are essentially the same (i.e. mafic metavolcanics), logging of the core was based primarily on the fabric and the intensity of the alteration. The mafic metavolcanics were subdivided as to massive, foliated, or porphyrtic units and further classified as unaltered, weakly altered, moderately altered or strongly altered. The drill core legend is provided in Table 3. The contact between the units is gradational and subject to interpretation; however, efforts were made to remain consistent during logging of the core.

Sampling was carried out across quartz veins, quartz-carbonate veins and moderately to strongly altered foliated mafic metavolcanics containing sulphides. Sample intervals ranged from 0.16 to 1.5 m and geochemical analyses and assaying were carried out by Bondar-Clegg & Company Ltd. in Ottawa. All samples were analyzed geochemically for gold, with the exception of holes RL-84-01, 02 and 03, where both Au and As analyses were carried out. Samples were crushed and pulverized to -200 mesh, digested with aqua regia and analyzed by atomic absorption spectrophotometry. Values exceeding 1,000 ppb Au, or 1 gram, were checked by fire assay. Inasmuch as no arsenic anomalies were found, either alone, or in conjunction with the anomalous gold values, the analysis of As was discontinued after the first 3 holes.

TABLE 3

ALTERATION/STRUCTURE LEGEND

OVB	OVERBURDEN
1A	MASSIVE MAFIC METAVOLCANICS
	10A Weakly Altered
	11A Moderately Altered
	12A Strongly Altered
1B	FOLIATED MAFIC METAVOLCANICS
	10B Weakly Altered
	11B Moderately Altered
	12B Strongly Altered
1C	PORPHYRITIC MAFIC METAVOLCANICS
	10C Weakly Altered
	11C Moderately Altered
	12C Strongly Altered

Discussion

Holes RL-84-01, 02, 03, 07, 08, 09 and 10 were drilled to test the strike and down-dip continuity of the gossan zone and the coincident moderate to strong IP/resistivity anomaly in the Central horizon. Units of moderately to strongly altered and foliated mafic metavolcanics, Units 11B and 12B, were intersected in all holes drilled within the Central horizon (Maps 84-64-7, 9, 13, 14, 15 and 16). There are at least three strongly altered units (12B) within the Central horizon and the units appear to correlate across an approximate width of 150 m as discussed below. The most easterly drill hole (i.e. RL-84-07), drilled 650 m east of RL-84-08, indicates that although alteration and anomalous gold mineralization occur, the intensity of alteration has decreased. Hole RL-84-06 near the east end of the property intersected massive to weakly foliated but unaltered basalt with minor sulphides and magnetite. The reason for the IP anomaly is obscure.

Holes drilled in the North (i.e. RL-84-05) and South (i.e. RL-84-04) horizons did not return anomalous gold values. All gold values were below 10 ppb. However, sulphides (i.e. pyrite and pyrrhotite) were present to explain the IP/resisitivity anomalies.

Central Horizon

At the present time, the along strike continuity of the Central horizon has been outlined for 550 m between holes #3 and #8 but its extent to the west has not yet been determined. Two deeper holes, RL-84-09 and RL-84-10, have demonstrated

the down-dip extension of these strongly altered and foliated units and have cut three additional ones.

Overall, the units are contained within an approximate width of 150 m and appear generally to be correlatable across hole spacings ranging from 100 m to 200 m, although the persistence of the alteration may change along strike even within a designated unit (Figure 12). The zones appear to be truncated by two northeast-trending faults interpreted from detailed magnetic data and from difficulties in correlation along strike. In some sections the extent of the altered units is unknown because of the limited amount of data.

Generally, the degree of alteration and mineralization is persistent with depth. Individual strongly altered units (12B) range from 2 m to 13 m in width and appear to be concordant to subconcordant with the foliation of the mafic metavolcanics. The alteration consists of carbonatization, sericitization and silicification. In drill holes RL-84-01, 02, 03, 07, 08, 09, 10, anomalous geochemical values were obtained in the Central horizon. These values are associated primarily with the strongly foliated and altered volcanics (Unit 12B) and to a lesser extent with the moderately foliated and altered volcanics (Unit 11B). Within these units, the higher values are 2,914 ppb and 1,275 ppb Au in holes RL-84-01 and 10, respectively. Numerous other geochemically enhanced values ranging from 100 ppb to 640 ppb were also obtained.

Anomalous gold values are also found in association with quartz veins in massive and weakly foliated and altered rocks (10A - 10B) as follows:-

(1) The highest geochemical values were obtained in hole RL-84-03 and consist of 3,300 ppb (3.3 gm/tonne) Au over 0.5 m from 68.7 m to 69.2 m and 3,345 ppb (3.3 gm/tonne) Au over 1.0 m from 70.0 m to 71.0 m. These gold values are associated with quartz-carbonate veins up to 23 cm wide (intersection), which contain 5% disseminated and banded pyrite.

(2) A value of 2,503 over 0.5 m at a depth of 61.75 m was encountered in weakly altered volcanics in hole RL-84-01 and is probably associated with quartz-carbonate veins containing 3% pyrite.

In conclusion, the results from the widely spaced holes drilled within the Central horizon indicate that the sheared and altered mafic metavolcanics are erratically enriched in gold. Gold values are also associated with small quartz-carbonate veins in weakly altered mafic metalvolcanics.

REFERENCES

Hunter, A. D. and Curtis, L. W.

1983: The Cameron Lake Gold Deposit, NW Ontario; Pioneering in a Dormant Gold Camp, Synopsis of Paper Presented at the Northwest Mining Association Spokane, December 1-3, 1984.

Trowell, N.F., Blackburn, C. E., Edwards G. R.

1980: Preliminary Synthesis of the Savant Lake-Crow Lake Metavolcanic-metasedimentary Belt, Northwestern Ontario and the Bearing upon Mineral Exploration, Ontario Geological Survey, Misc. Paper 89, pp 30.

APPENDIX A

Drill Logs

Co-ords: 9985N 8300E

Hole No. RL8401

DERRY, MICHENER, BOOTH & WAHL

Azimuth: 340 Deg.

Property: Rowan Lake

Diamond Drill Record

Dip: -50 Deg.

Location: L17+00W 00+[illegible]S

Drill Type: BOYLE-17A

Elevation: 370m

Date Started: OCTOBER 2,1984

Core Size: BQ

Date Completed: OCTOBER 3,1984

Length: 100m

Logged By: S.MCROBERTS

Date Logged: OCTOBER 4-5,1984

Purpose: TEST IP/RESISTIVITY ANOMALY

Dip Tests

50.0m 340.0 -50.0

100.0m 340.0 -50.0

from	to	Description	Sample	from	to	length	Au	As
0.00	2.00	OVERBURDEN						
2.00	24.50	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green ..4	3101	2.00	3.50	1.50	25.	9.
		Weak foliation. Weak alteration. Minor Quartz-carbonate veinlets and	3102	3.50	4.00	.50	<5.	7.
		veins with trace to 2% disseminated and banded pyrite.	3103	4.00	4.50	.50	<5.	10.
		8.15 11.0 Moderately Altered Foliated Mafic Metavolcanics	3104	4.50	6.00	1.50	<5.	5.
		Light grey to grey .	3105	6.00	7.00	1.00	<5.	4.
		Strong foliation. Moderate alteration.	3106	7.00	8.00	1.00	<5.	3.
		Quartz-carbonate veinlets and veins with trace to 2% fine grained	3107	8.00	8.50	.50	<5.	3.
		disseminated and banded pyrite.	3108	8.50	9.00	.50	<5.	6.
		Foliation at 2.5 metres is 55 degrees from the core axis .	3109	9.00	9.50	.50	10.	22.
		Foliation at 7.9 metres is 60 degrees from the core axis .	3110	9.50	10.00	.50	5.	3.
		13.5 24.92 Weakly Altered Foliated Mafic Metavolcanics	3111	10.00	10.50	.50	5.	2.
		Light green . Strong foliation.	3112	10.50	11.00	.50	10.	5.
		Weak alteration with Quartz-carbonate veinlets and veins. Trace to	3113	11.00	12.00	1.00	<5.	3.
		2% medium grained disseminated pyrite.	3114	12.00	12.50	.50	20.	5.
		Foliation at 14.6m is 55 degrees from the core axis.	3115	12.50	13.00	.50	10.	5.
		Foliation at 18.6m is 60 degrees from the core axis.	3116	13.00	13.50	.50	5.	7.
			3117	13.50	14.00	.50	<5.	<2.
			3118	14.00	15.00	1.00	15.	3.
			3119	15.00	16.00	1.00	15.	<2.
			3120	16.00	17.00	1.00	5.	<2.
			3121	17.00	18.00	1.00	5.	<2.

Hole No. RL8401 Continued

from	to	Description	Sample	from	to	length	Au	As
			3122	18.00	19.00	1.00	5.	<2.
			3123	19.00	20.00	1.00	5.	<2.
			3124	20.00	21.50	1.50	20.	2.
			3125	21.50	23.00	1.50	<5.	3.
			3126	23.00	24.50	1.50	50.	3.
24.50	42.50	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light grey with an increasing silicification downhole .	3127	24.50	26.00	1.50	<5.	3.
		Trace to 2% fine grained disseminated and banded pyrite and up to 1%	3128	26.00	27.50	1.50	<5.	2.
		magnetite .	3129	27.50	29.00	1.50	10.	3.
		Minor Quartz-carbonate veins with Quartz-carbonate clasts(1-6mm) .	3130	29.00	30.50	1.50	<5.	3.
		Foliation at 25.9m is 70 degrees from the core axis.	3131	30.50	32.00	1.50	<5.	2.
		Foliation at 41.3m is 60 degrees from the core axis .	3132	32.00	33.50	1.50	<5.	2.
			3133	33.50	34.50	1.00	<5.	
			3134	34.50	35.00	.50	30.	
			3135	35.00	36.00	1.00	20.	
			3136	36.00	36.75	.75	20.	
			3137	36.75	38.00	1.25	10.	
			3138	38.00	39.00	1.00	20.	
			3139	39.00	40.00	1.00	10.	
			3140	40.00	41.00	1.00	15.	
			3141	41.00	42.50	1.50	5.	
42.50	56.00	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Whitish grey ..0	3142	42.50	44.00	1.50	5.	3.
		Strong foliation with increasing silicification and carbonatization	3143	44.00	44.50	.50	175.	3.
		downhole .	3144	44.50	45.50	1.00	10.	3.
		Quartz-carbonate veinlets and veins with trace to 15% disseminated	3145	45.50	46.50	1.00	5.	2.
		and banded pyrite.	3146	46.50	47.50	1.00	<5.	3.
		Foliation at 49m is 65 degrees from the core axis .	3147	47.50	48.50	1.00	50.	<2.
		Foliation at 53m is 67 degrees from the core axis .	3148	48.50	49.50	1.00	<5.	<2.
			3149	49.50	50.50	1.00	<5.	2.
			3150	50.50	51.00	.50	<5.	<2.
			3151	51.00	51.50	.50	2914.	5.
			3152	51.50	52.00	.50	40.	<2.
			3153	52.00	52.50	.50	190.	13.
			3154	52.50	53.00	.50	265.	8.

Hole No. RL8401 Continued

from	to	Description	Sample	from	to	length	Au	As
			3155	53.00	54.50	1.50	5.	<2.
			3156	54.50	56.00	1.50	<5.	<2.
56.00	100.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light to dark green .	3157	56.00	57.50	1.50	<5.	<2.
		Weak foliation. Weak alteration with decreasing silicification	3158	57.50	59.00	1.50	80.	<2.
		downhole .	3159	59.00	60.00	1.00	5.	
		Quartz-carbonate veinlets and veins with trace to 3% disseminated	3160	60.00	61.75	1.75	15.	
		and banded pyrite.	3161	61.75	62.25	.50	2503.	
		Foliation at 60.2m is 65 degrees from the core axis .	3162	62.25	64.00	1.75	25.	
		49.42 72.75 Moderately Altered Foliated Mafic Metavolcanics.	3163	64.00	65.50	1.50	<5.	
		Grey . Moderate foliation.	3164	65.50	67.00	1.50	<5.	
		Moderate alteration with an increase in silicification downhole .	3165	67.00	68.50	1.50	<5.	
		Trace to 1% pyrite.	3166	68.50	69.50	1.00	<5.	
		Foliation at 71.0m is 63 degrees from the core axis .	3167	69.50	71.00	1.50	<5.	
		Foliation at 85.0m is 70 degrees from the core axis .	3168	71.00	72.50	1.50	<5.	
			3169	72.50	74.00	1.50	<5.	
			3170	74.00	75.50	1.50	<5.	
			3171	75.50	77.00	1.50	<5.	
			3172	77.00	78.50	1.50	<5.	
			3173	78.50	80.00	1.50	<5.	
			3174	80.00	81.50	1.50	<5.	
			3175	81.50	83.00	1.50	<5.	
			3176	83.00	84.50	1.50	<5.	
			3177	84.50	86.00	1.50	<5.	
			3178	86.00	87.50	1.50	10.	
			3179	87.50	89.00	1.50	<5.	
			3180	89.00	90.50	1.50	<5.	
			3181	90.50	92.00	1.50	5.	
			3182	92.00	93.50	1.50	<5.	
			3283	93.50	95.00	1.50	<5.	
			3184	95.00	96.50	1.50	<5.	
			3185	96.50	98.00	1.50	<5.	
			3186	98.00	100.00	2.00	5.	

Co-ords: 9985N 8500E

Azimuth: 340 Deg.

Dip: -50 Deg.

Elevation: 370m

Length: 107m

Purpose: TEST IP/RESISTIVITY ANOMALY

BERRY, MICHENER, BOOTH & WAHL

Diamond Drill Record

Drill Type: BOYLE-17A----BQ

Core Size: ----BQ'

Dip Tests
50.0m 340.0 -50.0
100.0m 340.0 -50.0

Hole No. RL8402

Property: Rowan Lake

Location: 15+00W 00+13S

Date Started: OCTOBER 4,1984
Date Completed: OCTOBER 5,1984
Logged By: S MCROBERTS
Date Logged: OCTOBER 7-10 1984

from	to	Description	Sample	from	to	length	Au	As
0.00	4.35	OVERBURDEN						
4.35	20.50	FOLIATED MAFIC METAVOLCANICS Dark green in colour . Weak to very weak alteration. Quartz-carbonate veins with up to 1% disseminated and banded pyrite. Foliation at 4.8m is 57 degrees from the core axis . 7.50 13.88 Moderately Altered Mafic Metavolcanics. Light green to grey . Moderate foliation. Moderate alteration with minor Quartz-carbonate veins and veinlets containing trace to 2% disseminated and banded pyrite.	3187	7.50	9.00	1.50	<5.	
			3188	9.00	10.50	1.50	<5.	
			3189	10.50	12.00	1.50	5.	
			3190	12.00	13.50	1.50	<5.	
			3191	13.50	15.00	1.50	<5.	
			3192	19.00	20.50	1.50	<5.	2.
20.50	26.50	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS Light green to grey . Strong foliation. Strong alteration. Minor Quartz-carbonate veins and veinlets with 1 to 2% disseminated and banded pyrite. Foliation at 21.3m is 57 degrees from the core axis..	3193	20.50	21.50	1.00	5.	<2.
			3194	21.50	22.50	1.00	15.	3.
			3195	22.50	23.50	1.00	15.	5.
			3196	23.50	24.00	.50	10.	5.
			3197	24.00	24.50	.50	10.	3.
			3198	24.50	25.00	.50	5.	<2.
			3199	25.00	25.50	.50	5.	<2.
			3200	25.50	26.50	1.00	20.	<2.

Hole No. RL8402 Continued

from	to	Description	Sample	from	to	length	Au	As
26.50	38.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Dark green.	3201	27.00	27.50	.50		
		Moderate foliation. Weak alteration weak minor Quartz-carbonate	3202	27.50	28.50	1.00		
		veins.	3203	28.50	30.00	1.50	5.	
		1% Disseminated and banded pyrite..	3204	30.00	30.50	.50	10.	
		Foliation at 31.0m is 60 degrees from the core axis..	3205	30.50	32.00	1.50	15.	
		27.2 27.35 Felsic Dyke*Sill.	3206	33.50	35.00	1.50	<5.	7.
		Weak foliation. Trace magnetite.						
38.00	62.50	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green to grey..	3207	38.00	38.75	.75	465.	8.
		Minor to strong foliation.	3208	39.05	40.00	.93	<5.	3.
		Minor to strong alteration with silicification increasing	3209	40.00	41.00	1.00	<5.	3.
		downsection..	3210	41.00	41.50	.50	45.	9.
		Quartz-carbonate veins and veinlets with trace to 10% disseminated	3211	41.50	42.00	.50	45.	9.
		and banded pyrite and up to 1% magnetite..	3212	42.00	42.50	.50	15.	2.
		Foliation at 39.7m is 55 degrees from the core axis..	3213	42.50	43.00	.50	10.	8.
		Foliation at 56.0m is 55 degrees from the core axis..	3214	43.00	43.50	.50	10.	<2.
			3215	43.50	44.00	.50	100.	7.
			3216	44.00	45.50	1.50		
			3217	45.50	46.50	1.00	10.	<2.
			3218	46.50	48.00	1.50	<5.	2.
			3219	48.00	49.50	1.50	10.	3.
			3220	49.50	50.00	.50	680.	<2.
			3221	50.00	51.00	1.00	10.	<2.
			3222	51.00	52.00	1.00	5.	2.
			3223	52.00	53.00	1.00	<5.	<2.
			3224	53.00	54.00	1.00	<5.	3.
			3225	54.00	55.00	1.00	5.	4.
			3226	55.00	56.00	1.00	<5.	3.
			3227	56.00	57.00	1.00	10.	<2.
			3228	57.00	58.00	1.00	105.	<2.
			3229	58.00	59.00	1.00	<5.	3.
			3230	59.00	60.00	1.00	<5.	<2.
			3231	60.00	61.00	1.00	<5.	2.
			3232	61.00	62.50	1.50	<5.	2.

Hole No. RL8402 Continued

from	to	Description	Sample	from	to	length	Au	As
62.50	66.50	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Dark green .	3233	62.50	64.00	1.50	<5.	<2.
		Weak foliation. Weak alteration with minor Quartz-carbonate veins.	3234	64.00	65.50	1.50	<5.	
		Up to 1% pyrite and up to 1% magnetite.	3235	65.50	66.50	1.00	<5.	
		Foliation at 62.0m is 53 degrees from the core axis..						
66.50	72.00	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Grey in colour .	3336	66.50	67.00	.50	<5.	
		Moderate foliation. Strong to intense alteration.	3337	67.00	67.50	.50	<5.	
		Quartz-carbonate veins and moderate silicification. t.	3238	67.50	68.25	.75	15.	<2.
		Trace to 5% pyrite, trace to 5% magnetite and trace chalcopyrite.	3239	68.25	68.75	.50	15.	<2.
		Foliation at 67.4m is 63 degrees from the core axis..	3240	68.75	69.50	.75	5.	<2.
			3241	69.50	70.50	1.00	15.	<2.
			3242	70.50	71.50	1.00	20.	3.
			3243	71.50	72.00	.50	15.	<2.
72.00	107.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light greenish grey..	3244	72.00	73.50	1.50	<5.	
		Moderate foliation. Weak to moderate alteration.	3245	75.00	76.50	1.50	<5.	
		Minor Quartz-carbonate veins. Trace to 1% pyrite.	3246	78.50	80.00	1.50	<5.	
		Foliation at 86.5m is 65 degrees from the core axis..	3247	81.00	82.50	1.50	<5.	
		Foliation at 107m is 73 degrees from the core axis..	3248	82.50	83.50	1.00	<5.	
			3249	83.50	85.00	1.50	<5.	
			3250	89.00	89.50	.50	<5.	
			3251	98.75	99.25	.50	<5.	
			3252	101.75	102.25	.50	<5.	

Co-ords: 9950N S100E

Azimuth: 340 Deg.

Dip: -50 Deg.

Elevation: 370m

Length: 98m

Purpose: TEST IP/RESISTIVITY ANOMALY

BERRY, MICHENER, BOOTH & WAHL

Diamond Drill Record

Drill Type: BOYLE 17A---BQ

Core Size: -BQ" S

Dip Tests
50.0m 340.0 -45.0
98.0m 340.0 -45.0

Hole No. RL8403

Property: Rowan Lake

Location: L19+00W 00+30S

Date Started: OCTOBER 6 1984
Date Completed: OCTOBER7 1984
Logged By: S.MCROBERTS
Date Logged: OCTOBER 7-11,1984

from	to	Description	Sample	from	to	length	Au	As
0.00	3.00	OVERBURDEN						
3.00	18.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS Dark green., Moderate foliation. Weak alteration. Minor Quartz-carbonate veins and veinlets. Blocky, highly fractured core..3 1% Disseminated pyrite and 1 to 2% disseminated magnetite..4 Foliation at 14.3m is 60 degrees from the core axis .	3253	11.00	12.50	1.50	35.	
			3254	12.50	14.00	1.50	<5.	
			3255	15.00	16.50	1.50	<5.	
			3256	16.50	17.00	.50	10.	
			3257	17.00	18.00	1.00	<5.	
18.00	28.75	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS Light green . Moderate foliation. Moderate alteration with silicification increasing downhole . Minor Quartz-carbonate veins and veinlets with trace disseminated pyrite. Foliation at 24.6m is 60 degrees from the core axis..	3258	18.00	19.50	1.50	<5.	
			3259	19.50	21.00	1.50	10.	
			3260	21.00	22.50	1.50	5.	
			3261	22.50	23.50	1.00	10.	
			3262	23.50	25.00	1.50	30.	
			3263	25.00	26.50	1.50	<5.	
			3264	26.50	28.00	1.50	<5.	
			3265	28.00	28.75	.75	<5.	
28.75	38.60	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS Greyish white .	3266	28.75	30.00	1.25	5.	

Hole No. RL8403 Continued

from	to	Description	Sample	from	to	length	Au	As
		Strong foliation. Weak alteration.	3267	30.00	30.30	.30	25.	
		Quartz-carbonate veins. 1% Pyrite.	3268	30.30	31.00	.70	<5.	
		Foliation at 30.0m is 60 degrees from the core axis..	3269	31.00	32.00	1.00	5.	
		Foliation at 47.2m is 70 degrees from the core axis..	3270	32.00	33.50	1.50	<5.	
			3271	33.50	34.00	.50	10.	
			3272	34.00	35.40	1.40	25.	
			3273	35.40	36.40	1.00	5.	
			3274	36.40	37.60	1.20	10.	
			3275	37.60	38.60	1.00	30.	
38.60	47.80	WEAKLY ALTERED MASSIVE MAFIC METAVOLCANICS						
		Green. Massive..	3276	38.60	40.10	1.50	10.	
		Weak alteration.	3277	40.10	40.80	.70	85.	
		Minor Quartz-carbonate veins with trace to 1% pyrite.	3278	42.00	42.60	.60	30.	
		Foliation at 46.0m is 67 degrees from the core axis..	3279	42.60	44.00	1.40	<5.	
			3280	46.30	47.80	1.50	5.	
47.80	53.20	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light grey to white..	3281	47.80	48.80	1.00	15.	
		Strong foliation. Strong alteration with silicification increasing	3282	48.80	49.80	1.00	20.	
		downhole..	3283	49.80	50.80	1.00	<5.	
		Quartz-carbonate veins and veinlets.	3284	50.80	51.80	1.00	5.	
		Trace to 2% disseminated and banded pyrite.	3285	51.80	53.20	1.40	<5.	
53.20	68.50	WEAKLY ALTERED MASSIVE MAFIC METAVOLCANICS						
		Dark green..	3286	53.20	54.10	.90	<5.	
		Massive . Weak alteration.	3287	54.10	54.60	.50	185.	
		Trace to 2% disseminated pyrite and trace to 5% magnetite.	3288	54.60	55.60	1.00	5.	
		Foliation at 60.0m is 63 degrees from the core axis..	3289	55.60	56.50	.90	35.	
			3290	56.50	56.80	.30	765.	
			3291	56.80	57.80	1.00	5.	
			3292	57.80	59.40	1.60	<5.	
			3293	59.40	60.00	.60	10.	
			3294	60.00	61.50	1.50	<5.	
			3295	63.60	64.00	.40	<5.	

Hole No. RL8403 Continued

from	to	Description	Sample	from	to	length	Au	As
68.50	83.50	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green..	3296	68.70	69.20	.50	3300.	
		Massive . Weak to moderate alteration.	3297	70.00	71.00	1.00	3345.	
		Quartz-carbonate veins 1-23cm wide. Up to 5% pyrite..	3298	71.00	72.50	1.50	30.	
		Trace to 5% disseminated and banded pyrite.	3299	80.00	81.50	1.50	<5.	
		Foliation at 70.2m is 67 degrees from the core axis..						
83.50	98.00	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green..	3300	85.00	86.50	1.50	<5.	
		Moderate foliation. Moderate alteration with increasing alteration	3301	86.50	88.00	1.50	<5.	
		downhole..	3302	88.00	89.50	1.50	<5.	
		Quartz-carbonate veins and veinlets. Trace to 1% pyrite.	3303	89.50	91.00	1.50	<5.	
		Foliation at 98m is 55 degrees from the core axis..	3304	91.00	92.50	1.50	<5.	
			3305	92.50	94.00	1.50	<5.	
			3306	94.00	95.50	1.50	<5.	
			3307	95.50	97.00	1.50	<5.	
			3308	97.00	98.00	1.00	<5.	

Co-ords: 9475N 9100E

Azimuth: 160 Deg.

Dip: -50 Deg.

Elevation: 380m

Length: 169m

Purpose: TEST IP/RESISTIVITY ANOMALY

DERRY, MICHENER, BOOTH & WAHL

Diamond Drill Record

Drill Type: BOYLE 17A BQ

Core Size: BQ"

Dip Tests

50.0m	160.0	-50.0
110.0m	160.0	-50.0
169.0m	160.0	-44.0

Hole No. RL8404

Property: Rowan Lake

Location: L9+00W 5+25S

Date Started: OCTOBER 8,1984

Date Completed: OCTOBER 10,1984

Logged By: S.MCROBERTS

Date Logged: OCTOBER 20,1984

from	to	Description	Sample	from	to	length	Au	As
0.00	6.50	OVERBURDEN						
6.50	10.00	MASSIVE MAFIC METAVOLCANICS Dark green,. Minor Carbonate-quartz veins (1-12cm),. Trace pyrite.	3463	9.00	10.00	1.00	<5.	
10.00	72.37	PORPHYRITIC MAFIC METAVOLCANICS Dark green groundmass contains 0.1-1.0cm plagioclase porphyroblasts . Minor Quartz-carbonate veins. Trace to 1% pyrite and trace chalcopyrite. 38.15 38.53 Gabbro Dyke Sill. Black groundmass with white plagioclase porphyroblasts . Quartz-carbonate veins. Trace pyrite.	3464	15.40	16.20	.80	<5.	
			3465	24.50	26.00	1.50	<5.	
			3466	41.50	43.00	1.50	<5.	
			3467	47.00	47.30	.30	<5.	
			3468	48.50	48.70	.20	<5.	
			3469	62.00	63.50	1.50	5.	
72.37	99.60	MASSIVE MAFIC METAVOLCANICS Dark green to black . Carbonate-quartz, Minor Carbonate-quartz veins with trace pyrite. 80.00 93.5 Massive Mafic Metavolcanics. Light green,. Moderate Quartz-carbonate veins.	3470	75.60	77.10	1.50	<5.	
			3471	80.00	81.50	1.50	<5.	
			3472	81.50	83.00	1.50	<5.	
			3473	83.00	84.50	1.50	5.	
			3474	90.50	92.00	1.50	<5.	

Hole No. RL8404 Continued

from	to	Description	Sample	from	to	length	Au	As
		Trace to 2% fine grained disseminated pyrite.	3475	96.00	97.50	1.50	<5.	
			3476	97.50	99.00	1.50	<5.	
99.60	108.00	STRONGLY ALTERED MASSIVE MAFIC METAVOLCANICS						
		Grey to black with increasing silicification downhole .	3477	103.00	104.50	1.50	<5.	
		Trace pyrite.	3478	104.50	106.00	1.50	<5.	
			3479	106.00	107.50	1.50	<5.	
108.00	122.00	MASSIVE MAFIC METAVOLCANICS						
		Dark grey to black . Coarse grained. No alteration..	3480	116.50	117.50	1.00	<5.	
		Trace to 2% pyrite and trace to 3% pyrrhotite.	3481	117.50	119.00	1.50	5.	
			3482	119.00	120.50	1.50	<5.	
			3483	120.50	122.00	1.50	<5.	
122.00	140.00	MASSIVE MAFIC METAVOLCANICS						
		Dark green to black .	3484	122.00	122.50	.50	<5.	
		Fine grained, no alteration..	3485	122.50	123.50	1.00	5.	
		Trace to 10% disseminated and banded pyrite.	3486	123.50	124.50	1.00	<5.	
			3487	124.50	125.50	1.00	10.	
			3488	125.50	126.50	1.00	<5.	
			3489	126.50	128.00	1.50	<5.	
			3490	130.80	131.10	.30	10.	
140.00	149.00	WEAKLY ALTERED MASSIVE MAFIC METAVOLCANICS						
		Light green to grey..	3491	146.50	148.00	1.50	5.	
		Weak alteration.	3492	148.00	149.00	1.00	<5.	
		Minor Quartz-carbonate veins. Trace to 1% pyrite.						
149.00	169.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Dark green to black . Weak alteration.	3493	149.00	150.50	1.50	<5.	
		Minor Quartz-carbonate veins with trace disseminated pyrite.	3494	166.40	167.90	1.50	5.	

Co-ords: 10700N 9100E

Azimuth: 160 Deg.

Dip: -50 Deg.

Elevation: 385m

Length: 115m

Purpose: TEST IP/RESISITIVITY ANOMALY

DERRY, MICHENER, BOOTH & WAHL

Diamond Drill Record

Drill Type: BOYLE 17A BQ

Core Size: BQ"

Dip Tests
50.0m 160.0 -44.0
113.0m 160.0 -45.0

Hole No. RL8405

Property: Rowan Lake

Location: L9+00W 7+00N

Date Started: OCTOBER 10,1984
Date Completed: OCTOBER 11,1984
Logged By: S MCROBERTS
Date Logged: OCTOBER 21-22,1984

from	to	Description	Sample	from	to	length	Au	As
0.00	3.50	OVERBURDEN						
3.50	8.10	MODERATELY ALTERED PORPHYRITIC MAFIC METAVOLCANICS Light green,. Fine grained groundmass with 0.1-1.0 plagioclase porphyroblasts . Minor Carbonate veins. Trace to 1% disseminated pyrite.	3495 3496 3497	3.50 5.00 6.50	5.00 6.50 8.00	1.50 1.50 1.50	<5. <5. <5.	
8.10	13.70	MASSIVE MAFIC METAVOLCANICS Light grey,. Minor Quartz-carbonate veins. Trace to 3% pyrite. 11.65 12.22 Gabbro Dyke Sill. Dark black in colour with plagioclase phenocrysts .	3498	8.40	9.50	1.10	<5.	
13.70	44.71	MASSIVE MAFIC METAVOLCANICS Black to dark green,. Minor Quartz-carbonate veinlets. Trace to 1% pyrite.	3499 3500 3501 3502	14.00 21.50 30.00 34.00	15.50 23.00 31.50 35.50	1.50 1.50 1.50 1.50	<5. <5. <5. <5.	
44.71	53.00	WEAKLY ALTERED PORPHYRITIC MAFIC METAVOLCANICS						

Hole No. RL8405 Continued

from	to	Description	Sample	from	to	length	Au	As
		Dark green . Fine grained groundmass with 0.1-2.0cm plagioclase porphyroblasts . Minor Quartz-carbonate veins. Trace to 1% disseminated pyrite. Trace to massive pyrrhotite sections (1-5cm wide) within a 30cm wide quartz vein.	3503	45.00	46.50	1.50	10.	
			3504	46.50	48.00	1.50	<5.	
			3505	50.70	51.70	1.00	<5.	
			3506	51.70	52.20	.50	5.	
			3507	52.20	52.60	.40	<5.	
			3508	52.60	53.00	.40	<5.	
53.00	59.20	MASSIVE MAFIC METAVOLCANICS Dark green to black.. Fine grained. Minor Quartz-carbonate veins. Trace pyrite.						
59.20	69.40							
		Light grey.. 0.1-3.0cm porphyroblasts&fragments in fine grained grey groundmass . Strong silicification. Trace to 2% disseminated pyrite.	3509	59.20	60.20	1.00	<5.	
			3510	60.20	61.00	.80	<5.	
			3511	61.00	61.30	.30	<5.	
			3512	61.30	62.30	1.00	<5.	
			3513	62.30	62.90	.60	<5.	
			3514	62.90	63.70	.80	<5.	
			3515	63.70	64.20	.50	10.	
			3516	64.20	65.00	.80	<5.	
			3517	65.00	66.00	1.00	<5.	
			3518	66.00	67.00	1.00	<5.	
			3519	67.00	68.00	1.00	<5.	
			3520	68.00	69.00	1.00	<5.	
			3521	69.00	69.40	.40	<5.	
69.40	115.00	FOLIATED MAFIC METAVOLCANICS Light to dark green.. Minor Quartz-carbonate veins and trace to 1% pyrite. Trace to 1% pyrrhotite. 77.10 99.26 PORPYHRITIC GABBRO DYKE/SILL . Hematite staining of plagioclase feldspar phenocrysts.. 106.5 113.72 Strongly Altered Massive Mafic Metavolcanics. Bluish tinge.. Strong silicious. Trace to 2% fine grained disseminated pyrite.	3522	73.00	74.50	1.50	<5.	
			3523	83.00	84.50	1.50	<5.	
			3524	93.00	94.50	1.50	<5.	
			3525	106.50	108.00	1.50	<5.	
			3526	108.00	109.00	1.00	<5.	
			3527	109.00	110.00	1.00	<5.	
			3528	110.00	110.90	.90	<5.	
			3529	110.90	111.40	.50	<5.	
			3530	111.40	112.40	1.00	<5.	

Hole No. RL8405 Continued

from	to	Description	Sample	from	to	length	Au	As
			3531	112.40	113.40	1.00	<5.	
			3532	113.40	115.00	1.60	<5.	

Co-ords: 9925N 10700E

Azimuth: 160 Deg.

Dip: -60 Deg.

Elevation: 365m

Length: 146m

Purpose: TEST IP/RESISTIVITY ANOMALY

DERRY, MICHENER, BOOTH & WAHL

Diamond Drill Record

Drill Type: BOYLE 17A BQ

Core Size: BQ

Hole No. RL8406

Property: Rowan Lake

Location: 7+00E 0+75N

Date Started: OCTOBER 15,1984

Date Completed: OCTOBER 17,1984

Logged By: S MCROBERTS

Date Logged: OCT. 7-19,1984

Dip Tests

53.0m	160.0	-61.0
100.0m	160.0	-60.0
146.0m	160.0	-58.0

from	to	Description
0.00	3.50	OVERBURDEN
3.50	146.00	WEAKLY ALTERED MASSIVE MAFIC METAVOLCANICS Dark green., Moderate Quartz-carbonate veins. Trace to 1% fine grained and disseminated pyrite. 39.20 83.00 Weakly Altered Foliated Mafic Metavolcanics. Pyrite along fracture surfaces , Up to 1% pyrite. 90.60 92.28 Massive Mafic Metavolcanics. Quartz veins with trace pyrite. 95.90 100.63 Massive Mafic Metavolcanics. Quartz veins and Carbonate veinlets with trace to 2% pyrite. 140.00 146.0 Massive Mafic Metavolcanics.

Sample	from	to	length	Au	As
3309	3.69	3.86	.17	<5.	
3310	4.84	5.00	.16	<5.	
3311	5.40	5.90	.50	<5.	
3312	7.50	9.00	1.50	<5.	
3313	9.00	10.50	1.50	<5.	
3314	10.50	12.00	1.50	<5.	
3315	12.00	13.50	1.50	<5.	
3316	13.50	15.00	1.50	<5.	
3317	15.00	16.50	1.50	<5.	
3318	18.50	20.00	1.50	<5.	
3319	25.00	25.60	.60	<5.	
3320	30.50	32.00	1.50	<5.	
3321	36.50	38.00	1.50	<5.	
3322	46.80	47.20	.40	<5.	
3323	50.60	50.90	.30	<5.	
3324	54.50	56.00	1.50	<5.	
3325	60.50	61.00	.50	<5.	
3326	63.50	65.00	1.50	<5.	
3327	71.00	72.50	1.50	<5.	
3328	77.00	78.50	1.50	<5.	

Hole No. RL8406 Continued

from	to	Description	Sample	from	to	length	Au	As
			3329	83.00	84.50	1.50	<5.	
			3330	84.50	86.00	1.50	<5.	
			3331	86.00	87.00	1.00	<5.	
			3332	87.00	88.00	1.00	<5.	
			3333	88.00	89.50	1.50	<5.	
			3334	89.50	90.50	1.00	<5.	
			3335	92.20	93.00	.80	<5.	
			3336	93.00	94.50	1.50	<5.	
			3337	94.50	96.00	1.50	<5.	
			3338	100.50	102.00	1.50	<5.	
			3339	102.00	103.50	1.50	<5.	
			3340	103.50	105.00	1.50	<5.	
			3341	112.00	112.40	.40	<5.	
			3342	113.40	113.70	.30	<5.	
			3343	113.70	115.20	1.50	<5.	
			3344	115.20	116.70	1.50	<5.	
			3345	116.70	118.20	1.50	<5.	
			3346	119.00	120.50	1.50	<5.	
			3347	120.50	122.00	1.50	<5.	
			3348	125.50	127.00	1.50	<5.	
			3349	127.00	127.50	.50	<5.	
			3350	127.50	128.00	.50	<5.	
			3351	128.00	128.50	.50	<5.	
			3352	128.50	130.00	1.50	<5.	
			3353	130.00	131.50	1.50	<5.	
			3354	131.50	133.00	1.50	<5.	
			3355	133.00	134.50	1.50	<5.	
			3356	134.50	135.40	.90	5.	
			3357	136.00	137.00	1.00	<5.	
			3358	137.00	138.00	1.00	10.	
			3359	138.00	139.00	1.00	5.	
			3360	139.00	140.00	1.00	5.	

Co-ords: 10050N 9300E

Hole No. RL8407

DERRY, MICHENER, BOOTH & WAHL

Azimuth: 340 Deg.

Property: Rowan Lake

Diamond Drill Record

Dip: -50 Deg.

Location: L7+00W 0+50N

Drill Type: BOYLE 17A BQ

Elevation: 365m

Date Started: OCTOBER 17,1984

Core Size: BQ

Date Completed: OCTOBER 18,1984

Length: 104m

Logged By: S.MCROBERTS

Date Logged:

Purpose: TEST IP/RESISTIVITY ANOMALY

Dip Tests

50.0m 340.0 -45.0

104.0m 340.0 -42.0

from	to	Description	Sample	from	to	length	Au	As
0.00	5.00	OVERBURDEN						
5.00	23.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Dark green..	3361	8.50	9.20	.70	<5.	
		Minor Carbonate-quartz alteration.	3362	11.50	13.00	1.50	<5.	
		Trace to 2% disseminated and banded pyrite and trace to 2% magnetite.	3363	13.00	14.50	1.50	<5.	
		Foliation at 18.3m is 55 degrees from the core axis..	3364	14.50	16.00	1.50	<5.	
		8.56 9.18 Moderately Altered Foliated Mafic Metavolcanics.	3365	18.50	20.00	1.50	<5.	
		Greenish grey..	3366	20.00	21.50	1.50	<5.	
		Moderate to strong foliation.						
		Trace to 2% disseminated pyrite and trace to 2% disseminated magnetite.						
		Carbonate veinlets contains up to 1% banded pyrite..						
23.00	29.00	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green to grey .	3367	23.00	24.50	1.50	<5.	
		Quartz-carbonate veining . Trace to 1% pyrite.	3368	24.50	26.00	1.50	10.	
		Foliation at 29.8m is 50 degrees from the core axis..	3369	26.00	27.50	1.50	<5.	
			3370	27.50	29.00	1.50	5.	
29.00	47.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Dark green..	3371	30.00	31.50	1.50	5.	

Hole No. RL8407 Continued

from	to	Description	Sample	from	to	length	Au	As
		Minor Quartz-carbonate alteration. Up to 1% disseminated pyrite.	3372	38.00	39.50	1.50	5.	
			3373	42.50	44.00	1.50	35.	
			3374	44.00	45.50	1.50	5.	
			3375	45.50	46.20	.70	10.	
47.00	59.50	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Dark grey..	3376	47.00	47.30	.30	40.	
		Minor Quartz-carbonate veins with increasing silicification	3377	47.30	48.30	1.00	5.	
		downhole..	3378	48.30	49.30	1.00	5.	
		Trace to 5% disseminated and banded pyrite.	3379	49.30	50.30	1.00	5.	
		Foliation at 55.0m is 55 degrees from the core axis..	3380	50.30	51.30	1.00	15.	
		54.40 57.16 Weakly Altered Foliated Mafic Metavolcanics.	3381	51.30	52.30	1.00	5.	
		Dark green..	3382	52.30	53.00	.70	1235.	
			3383	53.00	54.00	1.00	15.	
			3384	54.00	55.00	1.00	5.	
			3385	55.00	56.50	1.50	<5.	
			3386	56.50	58.00	1.50	5.	
			3387	58.00	59.50	1.50	15.	
59.50	104.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green..	3388	61.50	63.00	1.50	5.	
		Minor Quartz-carbonate veins.	3389	67.00	68.00	1.00	<5.	
		Foliation is 50 degrees from the core axis..	3390	71.00	72.50	1.50	<5.	
		67.09 68.00 Grey..	3391	74.50	76.00	1.50	<5.	
		Minor alteration. Quartz-carbonate veinlets. Up to 1% pyrite.	3392	76.00	77.50	1.50	<5.	
		Foliation at 67.7m is 55 degrees from core axis.	3393	77.50	79.00	1.50	<5.	
		83.15 86.85 Dark grey in colour .	3394	83.00	84.00	1.00	<5.	
		1% Pyrite. Increased silica content .	3395	84.00	85.00	1.00	<5.	
		86.25 87.10 1% Pyrit.	3396	85.00	86.00	1.00	<5.	
			3397	86.00	86.40	.40	<5.	
			3398	87.00	88.50	1.50	<5.	
			3399	89.00	89.50	.50	<5.	
			3400	89.50	91.00	1.50	<5.	
			3401	92.00	93.50	1.50	<5.	
			3402	99.50	101.00	1.50	<5.	

Co-ords: 9985N 8650E

Hole No. RL8408

DERRY, MICHENER, BOOTH & WAHL

Azimuth: 340 Deg.

Property: Rowan Lake

Diamond Drill Record

Dip: -50 Deg.

Location: L13+50W 0+[illegible]

Drill Type: BOYLE 17A BQ

Elevation: 360m

Date Started: OCTOBER 18,1984

Core Size: BQ"

Date Completed: OCTOBER 19,1984

Length: 101m

Logged By: S MCROBERTS

Date Logged: OCTOBER 20,1984

Purpose: TEST STRIKE LENGTH OF MINERALIZED ZONE Dip Tests

101.0m 340.0 -43.0

from	to	Description	Sample	from	to	length	Au	As
0.00	3.00	OVERBURDEN						
3.00	12.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS Dark green,, Minor Quartz-carbonate veins, Trace to 1% pyrite,,4 Foliation at 84m is 57 degrees from core axis.	3403	8.00	9.50	1.50	10.	
12.00	26.50	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS Light green,, Moderate Quartz-carbonate veins with increasing silicification downhole,, Trace to 1% disseminated pyrite, Foliation at 19.2m is 50 degrees from core axis.	3404 3405 3406 3407	12.00 15.50 20.00 25.00	13.50 17.00 21.50 26.50	1.50 1.50 1.50 1.50	5. 10. 5. 5.	
26.50	37.10	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS Light to medium grey,, Strong Quartz-carbonate veins and silicification,, Trace to 3% disseminated and banded pyrite and trace to 1% pyrrhotite, Foliation at 29.5m is 50 degrees from the core axis,, Foliation at 36.0m is 45 degrees from the core axis,,	3408 3409 3410 3411 3412 3413 3414 3415	26.50 27.50 28.00 28.50 29.00 30.00 30.50 31.00	27.50 28.00 28.50 29.00 30.00 30.50 31.00 31.40	1.00 .50 .50 .50 1.00 .50 .50 .40	<5. <5. <5. 5. <5. <5. <5. <5.	

Hole No. RL8408 Continued

from	to	Description	Sample	from	to	length	Au	As
			3416	31.40	32.00	.60	<5.	
			3417	32.00	33.00	1.00	5.	
			3418	33.00	34.00	1.00	5.	
			3419	34.00	35.00	1.00	10.	
			3420	35.00	35.40	.40	115.	
			3421	35.40	36.00	.60	10.	
			3422	36.00	36.70	.70	20.	
			3423	36.70	37.10	.40	30.	
37.10	52.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Dark green..	3424	37.10	38.30	1.20	10.	
		Minor Quartz-carbonate veins.	3425	38.30	38.80	.50	<5.	
		Trace to 1% pyrite.	3426	39.50	41.00	1.50	35.	
		39.27 39.32 Felsic Dyke/Sill.	3427	41.00	42.50	1.50	25.	
			3428	42.50	44.00	1.50	<5.	
			3429	44.00	45.50	1.50	<5.	
			3430	45.50	47.00	1.50	5.	
52.00	62.60	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Medium grey..	3431	52.00	53.50	1.50	100.	
		Moderate carbonate alteration with increasing alteration	3432	53.50	55.00	1.50	15.	
		downsection..	3433	55.00	55.50	.50	25.	
		Trace to 2% disseminated pyrite.	3434	55.50	57.00	1.50	25.	
			3435	57.00	58.50	1.50	15.	
			3436	58.50	59.60	1.10	15.	
			3437	59.60	60.10	.50	110.	
			3438	60.10	61.60	1.50	485.	
62.60	74.00	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light grey..	3439	62.60	64.00	1.40	85.	
		Strong carbonate alteration and silicification .	3440	64.00	65.50	1.50	5.	
		Trace to 2% pyrite.	3441	65.50	66.50	1.00	5.	
		Foliation at 70.0m is 45 degrees from the core axis..	3442	66.50	67.50	1.00	40.	
			3443	67.50	68.50	1.00	10.	
			3444	68.50	69.50	1.00	5.	
			3445	69.50	70.50	1.00	10.	

Hole No. RL8408 Continued

from	to	Description	Sample	from	to	length	Au	As
			3446	70.50	71.50	1.00	<5.	
			3447	71.50	72.50	1.00	5.	
			3448	72.50	74.00	1.50	<5.	
74.00	86.50	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light to dark green..	3449	74.00	75.50	1.50	<5.	
		Minor Quartz-carbonate veins.	3450	75.50	76.00	.50	<5.	
		Trace to 1% pyrite and trace to 4% magnetite.	3451	76.00	77.50	1.50	<5.	
		Foliation at 78m is 45 degrees from the core axis..	3452	78.10	79.10	1.00	10.	
		78.10 79.50 Moderately Altered Foliated Mafic Metavolcanics.	3453	79.10	79.50	.40	35.	
		Grey..						
		Quartz-carbonate veins. Trace to 3% pyrite and trace to 4% magnetite.						
86.50	101.00	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light grey..	3454	86.50	88.00	1.50	<5.	
		Minor Quartz-carbonate veins with an increase in alteration	3455	88.00	89.50	1.50	<5.	
		downhole..	3456	89.50	91.00	1.50	<5.	
		Trace to 1% pyrite.	3457	91.00	92.50	1.50	<5.	
		Foliation at 95.0m is 55 degrees from the core axis..	3458	92.50	94.00	1.50	<5.	
			3459	94.00	95.50	1.50	<5.	
			3460	95.50	97.00	1.50	<5.	
			3461	97.00	98.50	1.50	<5.	
			3462	98.50	100.00	1.50	<5.	

Co-ords: 9905N 8400E

Azimuth: 340 Deg.

Dip: -50 Deg.

Elevation: 370m

Length: 202m

Purpose: FURTHER DEFINE ZONES PREVIOUSLY OUTLINED

DERRY, MICHENER, BOOTH & WAHL

Diamond Drill Record

Drill Type: BOYLE-17A

Core Size: BQ

Dip Tests

100.0m	340.0	-43.0
202.0m	340.0	-37.0

Hole No. RL8409

Property: Rowan Lake

Location: 95S 1600W

Date Started: NOVEMBER 5,1984

Date Completed: NOVEMBER 7,1984

Logged By: S. MCROBERTS

Date Logged: OCTOBER 6-8,1984

from	to	Description	Sample	from	to	length	Au	As
0.00	2.00	OVERBURDEN						
2.00	3.70	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS Dark green with quartz eyes (1-10mm wide&1-30mm long).. Weak alteration. Quartz-carbonate veins and veinlets. Trace to 1% pyrit.	3601	2.00	3.50	1.50	<5.	
3.70	21.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS Dark green . Weak foliation. Mino.	3602	10.70	11.00	.30	<5.	
		Quartz-carbonate veins and veinlets. Up to 1% pyrite. Trace minor.	3603	20.00	21.00	1.00	5.	
		at 10.0m core axis = 55 degrees. At 20.0m core axis = 50 degree.						
21.00	36.00	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS Grey with quartz and carbonate eyes .	3604	21.00	21.40	.40	45.	
		Strong foliation. Quartz-carbonate veins and veinlets. Trace to 2%	3605	21.40	22.40	1.00	<5.	
		pyrite and trace to 2% magnetite.	3606	22.40	23.40	1.00	440.	
		Foliation at 25.0m is 50 degrees from the core axis..	3607	23.40	24.40	1.00	15.	
		27.0 30.8 Strongly Altered Foliated Mafic Metavolcanics	3608	24.40	25.40	1.00	15.	
		Light grey . Strong foliation.	3609	25.40	26.40	1.00	40.	
		Quartz-carbonate veins and veinlets. Trace to 2% disseminated and	3610	26.40	27.00	.60	35.	
		banded pyrite and trace disseminated magnetite. Minor hematite	3611	27.00	28.00	1.00	45.	
		stainins in some sections..	3612	28.00	29.00	1.00	145.	

Hole No. RL8409 Continued

from	to	Description	Sample	from	to	length	Au	As
		30.8 32.3 Weakly Altered Foliated Mafic Metavolcanics	3613	29.00	30.00	1.00	610.	
		Dark green, weak foliation. Minor Quartz-carbonate veins and	3614	30.00	30.80	.80	105.	
		veinlets. Trace pyrite.	3615	30.80	32.30	1.50	<5.	
		Foliation at 32.3m is 60 degrees from the core axis..	3616	32.30	32.80	.50	<5.	
		32.3 34.0 Strongly Altered Foliated Mafic Metavolcanics	3617	32.80	33.30	.50	<5.	
		Dark green, strong foliation. Intense talc alteration.	3618	33.30	33.80	.50	<5.	
		Trace to 1% pyrite.	3619	33.80	34.30	.50	<5.	
			3620	34.30	35.30	1.00	<5.	
36.00	69.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green to greenish grey , Weak foliation. Minor	3621	38.00	39.50	1.50	<5.	
		Quartz-carbonate veins and veinlets. Trace to 1% disseminated pyrite.	3622	45.00	46.50	1.50	<5.	
		Foliation at 41.0m is 60 degrees from the core axis..	3623	52.00	53.50	1.50	<5.	
		58.0 60.4 Moderately Altered Foliated Mafic Metavolcanics	3624	57.50	59.00	1.50	<5.	
		Grey, moderate foliation. Quartz-carbonate veins and veinlets. Trace	3625	59.00	60.40	1.40	<5.	
		to 1% disseminated and banded pyrite.	3626	62.00	63.50	1.50	<5.	
		Foliation at 60.0m is 60 degrees from the core axis..						
69.00	72.00	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Grey to white , Strong foliation. Intense Quartz-carbonate veins and	3627	69.00	69.50	.50	<5.	
		veinlets with strong sericitization.	3628	69.50	70.00	.50	<5.	
		Trace to 1% disseminated pyrite with minor banded.	3629	70.00	70.50	.50	<5.	
		Foliation at 69.0m is 68 degrees from the core axis..	3630	70.50	71.00	.50	<5.	
			3631	71.00	71.50	.50	<5.	
			3632	71.50	72.00	.50	<5.	
72.00	93.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green to dark green , Weak foliation. Minor Quartz-carbonate	3633	72.00	73.00	1.00	<5.	
		veins and veinlets. Trace to 1% disseminated and banded pyrite.	3634	77.50	79.00	1.50	<5.	
		Foliation at 80.0m is 60 degrees from the core axis..	3635	87.00	88.50	1.50	5.	
			3636	90.00	91.50	1.50	5.	
			3637	91.50	93.00	1.50	5.	
93.00	105.00	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green..	3638	93.00	94.00	1.00	<5.	

Hole No. RL8409 Continued

from	to	Description	Sample	from	to	length	Au	As
		Moderate foliation. Minor Quartz-carbonate veins and veinlet. Trace to 1% disseminated and banded pyrite. Foliation at 100.0m is 65 degrees from the core axis..	3639	94.00	95.50	1.50	<5.	
			3640	103.50	105.00	1.50	<5.	
105.00	107.50	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Grey . Strong foliation. Strong Quartz-carbonate veinlets. Trace to 2% disseminated and banded pyrite. Foliation at 105.0m is 65 degrees from the core axis..	3641	105.00	105.50	.50	<5.	
			3642	105.50	106.00	.50	10.	
			3643	106.00	106.50	.50	10.	
			3644	106.50	107.50	1.00	<5.	
107.50	113.40	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Dark green . Weak to moderate foliation. Minor Quartz-carbonate veins and veinlets. Trace to 1% disseminated and banded pyrite..1 Foliation at 110.0m is 65 degrees from the core axis..	3645	107.50	109.00	1.50	10.	
			3646	109.00	110.50	1.50	<5.	
113.40	130.00	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green . Moderate foliation. Minor Quartz-carbonate veins and veinlets with trace to 1% disseminated and banded pyrite. Foliation at 115.0m is 55 degrees from the core axis.. Foliation at 125.0m is 65 degrees from the core axis..	3647	115.00	116.50	1.50	5.	
			3648	120.00	121.50	1.50	<5.	
			3649	121.50	123.00	1.50	5.	
			3650	123.00	124.00	1.00	10.	
			3651	124.50	126.00	1.50	10.	
			3652	126.00	126.60	.60	10.	
			3653	126.60	127.00	.40	50.	
			3654	127.00	128.50	1.50	35.	
			3655	128.50	130.00	1.50	<5.	
130.00	140.50	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light grey to white . Strong foliation. Strong Quartz-carbonate veins and veinlets with trace to 3% disseminated and banded pyrite. Foliation at 130.0m is 55 degrees from the core axis..	3656	130.00	130.50	.50	5.	
			3657	130.50	131.00	.50	40.	
			3658	131.00	132.00	1.00	<5.	
			3659	132.00	132.50	.50	10.	
			3660	132.50	133.50	1.00	<5.	
			3661	133.50	134.50	1.00	<5.	
			3662	134.50	135.40	.90	15.	
			3663	135.40	136.00	.60	<5.	

Hole No. RL8409 Continued

from	to	Description	Sample	from	to	length	Au	As
			3664	136.00	137.00	1.00	5.	
			3666	137.00	137.50	.50	65.	
			3667	137.50	138.50	1.00	225.	
			3668	138.50	139.00	.50	<5.	
			3669	139.00	140.00	1.00	10.	
			3670	140.00	140.50	.50	<5.	
140.50	154.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Dark green , Weak foliation, Moderate Quartz-carbonate veins and	3671	140.50	142.00	1.50	<5.	
		veinlets.	3672	143.00	144.50	1.50	<5.	
		Trace to 3% disseminated and banded pyrite.	3673	144.50	146.00	1.50	<5.	
		Foliation at 150.0m is 55 degrees from the core axis..	3674	146.00	147.50	1.50	<5.	
		Foliation at 160.0m is 65 degrees from the core axis..	3675	147.50	148.10	.60	260.	
		147.0 151.5 Strongly Altered Foliated Mafic Metavolcanics	3676	148.10	149.00	.90	<5.	
		Light grey, weak foliation, Quartz-carbonate veins with trace to 3%	3677	149.00	150.00	1.00	<5.	
		disseminated and banded pyrite.	3678	150.00	150.50	.50	5.	
			3679	150.50	152.00	1.50	<5.	
154.00	183.00	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green , Moderate foliation,	3680	155.00	156.50	1.50	<5.	
		Moderate Quartz-carbonate veinlets with trace to 2% disseminated and	3681	156.50	158.00	1.50	<5.	
		banded pyrite.	3682	158.00	159.50	1.50	<5.	
		Foliation at 170.0m is 55 degrees from the core axis..	3683	162.20	163.70	1.50	<5.	
		Foliation at 180.0m is 50 degrees from the core axis..	3684	163.70	165.00	1.30	<5.	
			3685	165.00	166.50	1.50	<5.	
			3686	166.50	168.00	1.50	<5.	
			3687	168.00	169.50	1.50	<5.	
			3688	169.50	171.00	1.50	<5.	
			3689	171.00	172.50	1.50	<5.	
			3690	172.50	174.00	1.50	<5.	
			3691	174.00	175.50	1.50	<5.	
			3692	175.50	177.00	1.50	<5.	
			3693	179.20	180.70	1.50	<5.	
			3694	180.70	183.00	2.30	<5.	
183.00	202.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						

Hole No. RL8409 Continued

from	to	Description	Sample	from	to	length	Au	As
		Dark green , Weak foliation.	3695	183.00	184.50	1.50	<5.	
		Minor Quartz-carbonate veinlets with trace pyrite.	3696	185.00	186.50	1.50	<5.	
		Foliation at 190.0m is 60 degrees from the core axis..	3697	189.00	190.50	1.50	<5.	
		Foliation at 200.0m is 60 degrees from the core axis..	3698	197.80	198.30	.50	<5.	
			3699	200.50	202.00	1.50	<5.	

Co-ords: 9902N 9902E

Hole No. RL8410

DERRY, MICHENER, BOOTH & WAHL

Azimuth: 340 Deg.

Property: Rowan Lake

Diamond Drill Record

Dip: -50 Deg.

Location: 1+00S 15+00W

Drill Type: BOLYE 17A

Elevation: 370m

Date Started: NOVEMBER 7,1984

Core Size: BQ

Date Completed: NOVEMBER 9,1984

Length: 200m

Logged By: S.MCROBERTS

Date Logged: NOVEMBER 9-10,1984

Purpose: TEST DOWNDIP EXTENTION OF MINERALIZIED ZONEDip Tests

100.0m 340.0 -55.0

200.0m 340.0 -50.0

from	to	Description	Sample	from	to	length	Au	As
0.00	3.00	OVERBURDEN						
3.00	26.70	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS Dark green, moderate foliation and minor Quartz-carbonate veins and veinlets. Trace to 1% disseminated and banded pyrite and trace disseminated magnetite. Foliation at 5.0m is 50 degrees from the core axis.. 6.0 12.3 Strongly Altered Foliated Mafic Metavolcanics Black with quartz eyes.. Quartz-carbonate veinlets. Trace to 2% disseminated and banded pyrite. Foliation at 10.0m is 50 degrees from the core axis..	2101	6.00	7.50	1.50	<5.	
			2102	7.50	9.00	1.50	<5.	
			2103	9.00	10.50	1.50	<5.	
			2104	10.50	11.50	1.00	<5.	
			2105	11.50	12.30	.80	<5.	
			2106	12.30	14.00	1.70	<5.	
			2107	14.00	15.50	1.50	<5.	
			2108	15.50	17.00	1.50	<5.	
			2109	21.00	22.50	1.50	<5.	
26.70	48.60	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS Grey with 1 to 2% mm Quartz Eye. Strong foliation. Trace to 2% disseminated and banded pyrite. Silicious with Quartz-carbonate veins and veinlets. Foliation at 30.0m is 55 degrees from the core axis.. 35.5 43.5 Cherty. Grey to black. trace to 2% pyrite.	2110	26.70	28.00	1.30	<5.	
			2111	28.00	29.50	1.50	<5.	
			2112	29.50	31.00	1.50	<5.	
			2113	31.00	32.50	1.50	<5.	
			2114	32.50	34.00	1.50	<5.	
			2115	34.00	35.50	1.50	5.	
			2116	35.50	37.00	1.50	305.	
			2117	37.00	38.50	1.50	30.	
			2118	38.50	40.00	1.50	<5.	

Hole No. RL8410 Continued

from	to	Description	Sample	from	to	length	Au	As
			2119	40.00	41.00	1.00	180.	
			2120	41.00	42.00	1.00	15.	
			2121	42.00	43.00	1.00	<5.	
			2122	43.00	43.50	.50	65.	
			2123	43.50	45.00	1.50	<5.	
			2124	45.00	46.50	1.50	<5.	
			2125	46.50	48.00	1.50	<5.	
			2126	48.00	48.60	.60	<5.	
48.60	96.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light to dark green . Moderate foliation. Moderate Quartz-carbonate	2127	48.60	50.00	1.40	<5.	
		veins and veinlets. Trace pyrite.	2128	50.00	51.50	1.50	<5.	
		Foliation at 50.0m is 50 degrees from the core axis..	2129	53.00	54.50	1.50	<5.	
			2130	61.00	62.50	1.50	<5.	
			2131	65.00	66.50	1.50	<5.	
			2132	77.00	78.50	1.50	<5.	
			2133	80.00	81.50	1.50	<5.	
			2134	81.50	83.00	1.50	<5.	
			2135	83.00	84.50	1.50	<5.	
			2136	86.50	88.00	1.50	<5.	
			2137	93.50	95.00	1.50	<5.	
96.00	123.00	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green . Moderate foliation. Moderate Quartz-carbonate veins	2138	99.50	101.00	1.50	<5.	
		and veinlets with pyrite trace.	2139	101.00	102.50	1.50	<5.	
		Foliation at 100.0m is 50 degrees from the core axis..	2140	102.50	104.00	1.50	<5.	
		Foliation at 110.0m is 45 degrees from the core axis..	2141	104.00	105.50	1.50	<5.	
			2142	105.50	107.00	1.50	<5.	
			2143	107.00	108.50	1.50	<5.	
			2144	108.50	110.00	1.50	5.	
			2145	113.00	114.50	1.50	<5.	
			2146	114.50	116.00	1.50	<5.	
			2147	120.50	122.00	1.50	<5.	
123.00	127.50	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Grey to white . Foliation strong. Minor Quartz-carbonate veins and	2148	123.00	124.00	1.00	<5.	

Hole No. RL8410 Continued

from	to	Description	Sample	from	to	length	Au	As
		veinlets with trace to 1% disseminated and banded pyrite.	2149	124.00	125.00	1.00	<5.	
			2150	125.00	126.00	1.00	1275.	
			2151	126.00	127.50	1.50	35.	
127.50	150.70	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Light green , Moderate foliation. Minor Quartz-carbonate veins and	2152	127.50	129.00	1.50	<5.	
		veinlets. Trace to 1% disseminated and banded pyrite.	2153	129.00	130.50	1.50	<5.	
		Foliation at 130.0m is 65 degrees from the core axis..	2154	132.00	133.50	1.50	<5.	
		Foliation at 142.0m is degrees from the core axis..	2155	133.50	135.00	1.50	<5.	
			2156	137.90	139.50	1.60	20.	
			2157	139.50	141.00	1.50	10.	
			2158	141.00	142.50	1.50	10.	
			2159	142.50	143.50	1.00	10.	
			2160	143.50	145.00	1.50	15.	
			2161	145.00	146.40	1.40	15.	
			2162	146.40	147.00	.60	30.	
			2163	147.00	148.50	1.50	80.	
			2164	148.50	150.00	1.50	<5.	
			2165	150.00	150.70	.70	<5.	
150.70	164.00	STRONGLY ALTERED FOLIATED MAFIC METAVOLCANICS						
		Grey to white , Foliation strong. Quartz-carbonate veins and	2166	150.70	151.00	.30	250.	
		veinlets with trace to 3% disseminated and banded pyrite.	2167	151.00	152.50	1.50	35.	
		Foliation at 150.0m is 40 degrees from the core axis..	2168	152.50	153.50	1.00	10.	
			2169	153.50	154.50	1.00	10.	
			2170	154.50	155.50	1.00	10.	
			2171	155.50	156.00	.50	25.	
			2172	156.00	157.00	1.00	5.	
			2173	157.00	158.00	1.00	10.	
			2174	158.00	158.50	.50	60.	
			2175	158.50	159.50	1.00	5.	
			2176	159.50	160.50	1.00	10.	
			2177	160.50	161.40	.90	<5.	
			2178	161.40	162.00	.60	<5.	
			2179	162.00	163.00	1.00	<5.	
			2180	163.00	164.00	1.00	<5.	

Hole No. RL8410 Continued

from	to	Description	Sample	from	to	length	Au	As
164.00	199.00	MODERATELY ALTERED FOLIATED MAFIC METAVOLCANICS Light green, moderate foliation, Quartz-carbonate veins and veinlets, Trace to 3% disseminated and banded pyrite. Foliation at 170.0m is 35 degrees from the core axis.. Foliation at 180.0m is 60 degrees from the core axis.. Foliation at 190.0m is 55 degrees from the core axis..	2181	164.00	165.50	1.50	<5.	
			2182	165.50	166.80	1.30	<5.	
			2183	166.80	167.30	.50	<5.	
			2184	167.30	167.80	.50	<5.	
			2185	167.80	168.10	.30	<5.	
			2186	168.10	169.00	.90	20.	
			2187	174.50	176.00	1.50	<5.	
			2188	176.00	177.50	1.50	<5.	
			2189	177.50	179.00	1.50	<5.	
			2190	185.00	186.50	1.50	<5.	
			2191	186.50	188.00	1.50	<5.	
			2192	189.00	190.50	1.50	<5.	
			2193	190.50	192.00	1.50	<5.	
			2194	195.50	197.00	1.50	<5.	
			2195	197.00	198.50	1.50	<5.	
199.00	200.00	WEAKLY ALTERED FOLIATED MAFIC METAVOLCANICS Dark green, weak foliation, No quartz-carbonate veins or veinlets,, Trace pyrite, Foliation at 199.0m is 55 degrees from the core axis..						

APPENDIX B

Report Summaries and Compilation Map

GEOPHYSICAL SURVEYS COVERING THE ROWAN LAKE PROPERTY OF NOVA-CO EXPLORATION LIMITED AND DEJOUR MINES LIMITED, DISTRICT OF KENORA, KENORA MINING DIVISION, ONTARIO

NTS 52 F/6

DERRY, MICHENER, BOOTH & WAHL

R. W. Woolham, P.Eng.
Geophysicist

Toronto, Canada
April 16, 1984

SUMMARY

Magnetic and VLF electromagnetic surveys, totalling 85 line kilometers each, were performed on the Rowan Lake Property of Nova-Co Exploration Limited and Dejour Mines Limited. The magnetic survey outlined three magnetic complex zones trending approximately northeast to east-northeast across the property. Each magnetic zone was made up of narrow positive amplitude long linear zones thought to be associated with volcanic tuff and/or flow horizons containing magnetite. Complex folding and faulting distorts the magnetic patterns considerably in several areas. The Central Zone magnetic complex may represent the same horizon that hosts the Monte Cristo gold prospect on strike to the southwest.

The VLF electromagnetic survey identified numerous conductive trends generally sub-parallel to the magnetic strike directions. Several of the conductive trends having the most extensive continuity were associated with contact horizons interpreted from the magnetics. Other trends may be related to shear zones or conductive volcano-sedimentary type formations such as graphitic slates or tuffs.

Further exploration planned for the area consists of geological and geochemical surveys. It is recommended that detailed investigation of the Central Zone magnetic complex be included in the mapping and sampling programs. Further geophysical surveys consisting of induced polarization and/or resistivity methods may also be warranted in the central prospective zone. A drill program designed to test the most prospective target zones determined from the mapping, sampling and geophysical survey investigations will be necessary to properly evaluate the property.

REPORT ON

THE INDUCED POLARIZATION SURVEY

DEJOUR - ROWAN LAKE PROPERTY

DERRY, MICHENER, BOOTH & WAHL

R. W. Woolham, P.Eng.

Toronto, Ontario
September 7, 1984

SUMMARY

An Induced Polarization survey was completed on a portion of the Rowan Lake property during the period June 10th to July 3rd, 1984. In all, 17 line kilometers of reconnaissance and detail dipole-dipole I.P. survey was performed. The work covered a central prospective horizon defined previously by geophysical, geological and geochemical investigations. This horizon is thought to be an extension of the gold hosting horizon found on the Monte Cristo property to the southwest.

The I.P. survey detected several polarizable horizons. The most significant zone occurs near the baseline from line 21W to 13W. It is associated with a low resistivity horizon present to the north. The low resistivity horizon source may be related to a shear zone. The probable cause of the I.P. response is thought to be disseminated pyrite. Further investigation of this anomaly on line 17W from 0 to 100N has been recommended.

A second polarizable horizon of possible interest occurs to the north of the previous one described, at about 600N. It has an association with high resistivity values thought to represent underlying siliceous volcanics or intrusives. Other similar responses are present throughout the central and eastern portion of the survey grid. Investigation of three of these anomaly types on a low priority basis is recommended.

MAGNETOMETER SURVEYS
ROWAN LAKE PROPERTY
KENORA MINING DIVISION
DISTRICT OF KENORA, ONTARIO
NOVA-CO EXPLORATION LIMITED AND
DEJOUR MINES LIMITED
(NTS 52 F/6)

DERRY, MICHENER, BOOTH & WAHL

S. S. McRoberts, B.Sc.

REF.: 84-56
Toronto, Canada
November 30, 1984

INTRODUCTION

Additional magnetic surveys have been completed on three claims of the 57-mining claim group of Nova-Co Exploration Limited and Dejour Mines Limited in the Rowan Lake area of northwestern Ontario, for which a six month extension had been granted in order to obtain further assessment credit. The three claims requiring further assessment credit are:

K-765985

K-696740

K-696741

Claim K-765995 could not be covered by the magnetometer during the survey period because this claim is mostly covered by water. The surveys were performed by personnel employed by Derry, Michener, Booth & Wahl during the time period August 27 - 29, 1984. This report and accompanying maps are submitted under the special provision section for assessment credits (see Appendix II).

PROPERTY LOCATION AND ACCESS

The claims lie near the boundary between the Rowan Lake and Lawrence Lake Claim Maps, Kenora Mining Division, District of Kenora, approximately 65 km southwest of Dryden, Ontario and approximately 100 km southeast of Kenora, Ontario (Figure 1).

APPENDIX C

Rock Sample Analytical Results

From Geological Mapping, Prospecting and Trenching

BARRINGER MAGENTA
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M9W 5G2
(416) 675-3870
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CALGARY, ALBERTA
T2E 6V2
(403) 276-9701

DATE: 07/12/83
MATRIX: AR REG

DERRY, MICHENER, BOOTH & WAHL (S. MCROBERTS) WO NO: 83-0752 PAGE: [redacted]1

SAMPLE ID	AU PPB	AG PPM	APPROXIMATE LOCATION OF SAMPLE
6301	20	.6	17+50W - 2+75S
6302	15	.2	21+00W - 2+25S
6303	<5	.4	21+50W - 5+50S
6304	<5	.4	21+50W - 5+00S
6305	<5	.2	21+00W - 2+50S
6306	<5	<.2	15+50W - 6+25N
6307	<5	.6	15+50W - 6+25N
6308	<5	.4	15+00W - 7+50N
6309	<5	.2	15+00W - 7+75N
6310	<5	.2	14+00W - 0+50N
6311	<5	.2	14+00W - 1+25N
6312	<5	.2	13+50W - 8+75N
6313	<5	.4	13+00W - 8+75N
6314	<5	.4	13+00W - 8+50N
6315	<5	.6	14+00W - 4+25S
6316	<5	.8	13+00W - 4+75S
6317	30	.8	14+75W - 2+25N
6318	<5	<.2	17+00W - 2+50S
6319	<5	.2	17+50W - 3+25S
6320	<5	.2	17+00W - 12+75S
6321	<5	.2	19+00W - 13+25S
6322	<5	<.2	19+25W - 3+50S
6323	<5	.4	19+00W - 3+50S
6324	5	<.2	19+00W - 1+25S
6325	<5	.2	17+00W - 6+50N
6326	<5	.2	16+25W - 5+50N
6327	<5	.4	16+25W - 6+50N
6328	<5	.4	16+25W - 6+50N
6329	<5	.2	18+00W - 9+00S
6330	<5	.4	18+00W - 12+50S

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Geochemical Lab Report

PROJECT: 014-1348

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SAMPLE NUMBER	ELEMENT UNITS	AU PPB	WT/AU GM	APPROXIMATE LOCATION OF SAMPLES	NOTE
L-100		<5	17+00W -	4+95S	
L-101		<5	5+00W -	0+75S	
L-102		<5	0+00 -	1+90S	
L-103		<5	3+00W -	7+25S	
L-104		45	17+00W -	1+75S	
L-105		<5	15+50W -	1+25N	
L-107		5	15+50W -	1+25N	
LN-109		<5	12+25W -	1+50S	
LN-101		<5	12+00W -	0+75S	
LN-102		<5	12+00W -	8+00S	
LN-103		<5	11+00W -	8+25S	
LN-104		<5	11+25W -	4+75S	
LN-105		<5	10+00W -	4+75S	
LN-106		<5	6+00W -	11+75S	
LN-107		15	6+00W -	6+50S	
LN-108		135	7+00W -	2+25S	
LN-109		<5	7+00W -	2+00S	
LN-110		5	7+00W -	2+00S	
LN-111		35	9+00W -	3+50S	
LN-112		<5	9+50W -	3+50S	
LN-113		<5	9+50W -	3+50S	
LN-114		<5	3+00W -	7+25S	
LN-115		<5	3+00W -	7+25S	
LN-116		<5	2+00W -	2+25S	
LN-117		<5	1+00W -	6+75S	
LN-118		10	0+00 -	1+75S	
LN-119		<5	1+00E -	6+25S	
LN-120		5	2+00E -	2+65S	
LN-121		<5	5+00E -	2+50S	
LN-122		<5	6+25E -	5+00S	
LN-123		5	6+25E -	4+75S	
LN-124		<5	7+00E -	3+00S	
LN-125		10	8+00E -	4+25S	
LN-126		20	8+00E -	3+25S	
LN-127		<5			
LN-128		<5	7+00W -	2+25S	
LN-129		<5	7+00W -	2+25S	
LN-130		5	7+00W -	2+25S	
LN-131		<5	7+00W -	2+25S	
LN-132		<5	7+00W -	2+25S	

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	WT/AU GM	APPROXIMATE LOCATION OF SAMPLES	NOTE
RLN-105		<5	7+00W -	2+25S	
RLN-106		5	7+00W -	2+50S	
RLN-107		<5	6+00W -	2+50S	
RLN-108		<5	6+00W -	2+50S	

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS AU PPB	WT/AU gm	NOTES
6376	<1		7+00W - 7+50N
6377	4		7+00W - 5+75N
6378	2		6+00W - 2+00N
6379	1		4+25W - 4+50N
6380	41		6+00E - 1+00N
6381	1		7+25E - 1+75N
6382	<1		8+25E - 1+75N
6383	2		15+50W - 1+25N
6384	2		15+50W - 1+25N
6385	3		15+50W - 1+25N
6387	5		15+50W - 1+25N
6388	12		15+50W - 1+25N
6389	2		17+00W - 5+00S
6390	1		17+00W - 5+00S
6391	2		17+25W - 1+00N
6392	4		15+50W - 1+25N
6393	27		15+50W - 1+25N
6394	7		15+50W - 1+25N
6395	4		15+50W - 1+25N
6396	2		15+50W - 1+25N
6397	6		16+00W - 1+75S
6398	7		16+00W - 1+75S

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Geochemical Lab Report

PORT: 016-1518

PROJECT: RL-84 PAGE 1

MPLE NBER	ELEMENT UNITS	Au PPB	wt/Au gm	APPROXIMATE LOCATION OF SAMPLES	NOTES
99		600		17+00W - 5+00S	
00		60		17+00W - 5+00S	
01		<5		9+00W - 3+75S	
02		<5		9+50W - 3+50S	
03		<5		19+00W - 1+25N	
04		<5		8+00E - 1+60N	
05		<5		8+00E - 1+60N	
06		<5		7+50E - 1+75N	
07		<5		7+50E - 2+00N	
08		<5		1+50E - 2+75N	
10		<5		2+00E - 2+75N	
11		<5		18+00W - 1+00N	
12		<5		18+00W - 3+25S	
13		<5		14+00W - 0+50S	
14		<5		11+00E - 0+50S	
15		<5		7+00W - 2+25S	
16		45		7+00W - 2+25S	
17		40		7+00W - 2+25S	
18		40		7+00W - 2+25S	
19		70		7+00W - 2+25S	
20	XX	XX	XX	XXXXXXXXXX	XX

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Geochemical Lab Report

TRENCHING SAMPLE VALUES

REPORT: 014-2591 | PROJECT: DEJ-105 | PAGE 1

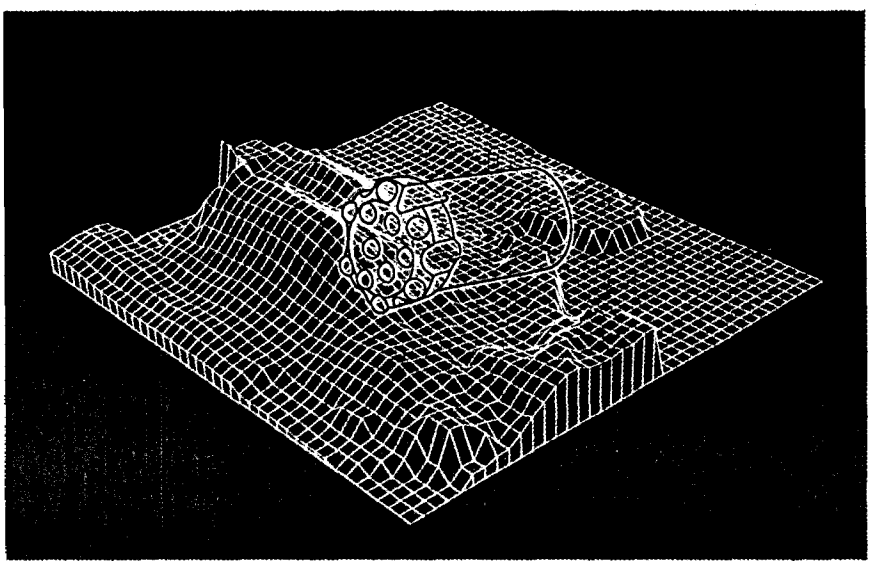
SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au gm	TRENCH AREA	NOTE	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au gm	TRENCH AREA
3001		<5		7		3041		<5		6
3002		5		7		3042		590		6
3003		15		7		3043		185		6
3004		45		7		3044		20		2
3005		5		7		3045		<5		2
3006		10		7		3046		<5		2
3007		15		7		3047		<5		2
3008		40		7		3048		15		2
3009		5		7		3049		<5		2
3010		70		7		3050		<5		5
3011		10		7		3051		<5		5
3012		<5		7		3052		<5		5
3013		<5		7		3053		70		5
3014		<5		7		3054		10		5
3015		<5		7		3055		5		5
3016		15		7		3056		<5		5
3017		805		6		3057		5		5
3018		230		6		3058		5		5
3019		80		6		3059		5		5
3020		<5		6		3061		5		5
3021		10		6						
3022		20		6						
3023		20		6						
3024		10		6						
3025		10		6						
3026		210		6						
3027		10		6						
3028		95		6						
3029		25		6						
3030		20		6						
3031		35		6						
3032		15		6						
3033		35		6						
3034		15		6						
3035		5		6						
3036		10		6						
3037		<5		6						
3038		<5		6						
3039		<5		6						
3040		<5		6						

APPENDIX D

Computers in Mining

Simplifying the field computer program: high processing level, reasonable costs

By W.N. Pearson, Ph. D.,
G.D. Watts, P. Eng.,
and P.A. Hartwick, B.Sc.



A new program puts out computer-generated exploration data in plain English.

Now that microcomputers are being used more and more in the field during exploration programs, we decided that the time had come to develop a system that allows relatively simple operation but at the same time provides a full range of processing services. The result was Log II, a system which facilitates both the acquisition and analysis of exploration and mining data.

Our original goal was to design a system with the following attributes:

- Operation is very simple with a minimum amount of time required for operator training.
- A field based system in which data entry can be largely or completely carried out using portable micro-computers in order to reduce the time from collection of field data to final presentation.
- A system whereby data can be readily transmitted from the field and laboratory by using Bell Canada's Datapac system for a rapid and accurate transmision of information from one computer to another.
- The elimination of complex coding forms and a flexible coding system which can be modified to suit needs of individual projects.
- A system allowing a high level of processing such as plotting plans, sections, geostatistical analysis and ore reserves rapidly and at a reasonable cost.

The Log II system was applied to the exploration program of Lytton Minerals on its Peekongay property in the Heron Bay – Hemlo area of Ontario. (The actual exploration program was outline in more detail in the April, 1984 issue of Canadian Mining Journal.)

As shown in the diagram, data is first entered in the field using a portable microcomputer. We have used a Radio Shack Model 100 and we have found it to perform very well because of its excellent telecommunications and powerful word processing capabilities. This data is then sent by telephone modem using Bell Canada Datapac facilities to an HP-1000* Super Mini-Computer at Markham Data Inc. (in areas where telephone facilities are very poor or are not available, data can be stored on a battery operated cassette and the tapes sent to Markham). Analytical data is received from the laboratory in computer processible form again via Datapac. Examples cited in this paper employ assay data from Bondar-Clegg & Company Ltd. in Ottawa who utilize a DEC PDP 11-24 Mini-Computer. As field and laboratory data is received at Markham, it is checked for errors and then added to a master data file which serves as a basis for all higher level processing. All data is security coded to prevent unauthorized access.

Field data entry

A major complaint directed towards computer-based geological systems has been the necessity of having large numbers of codes and complex coding forms for data entry. Log II eliminates the necessity of coding forms by using the word processing capabilities of portable micro-computers. The user has the option of employing a standard set of codes or determining what type of codes are most suited to the individual project. The systems can be readily adapted to use a variety of codes with only a few syntactical rules to follow.

Field data entry in Log II for diamond drill holes is divided into five major

---

Bill Pearson and Perry Hartwick are geologists with Derry, Michener, Booth and Wahl, while Gordon Watts is employed with Markham Data Inc. The trio developed this program while conducting an exploration program in 1983 and 1984.

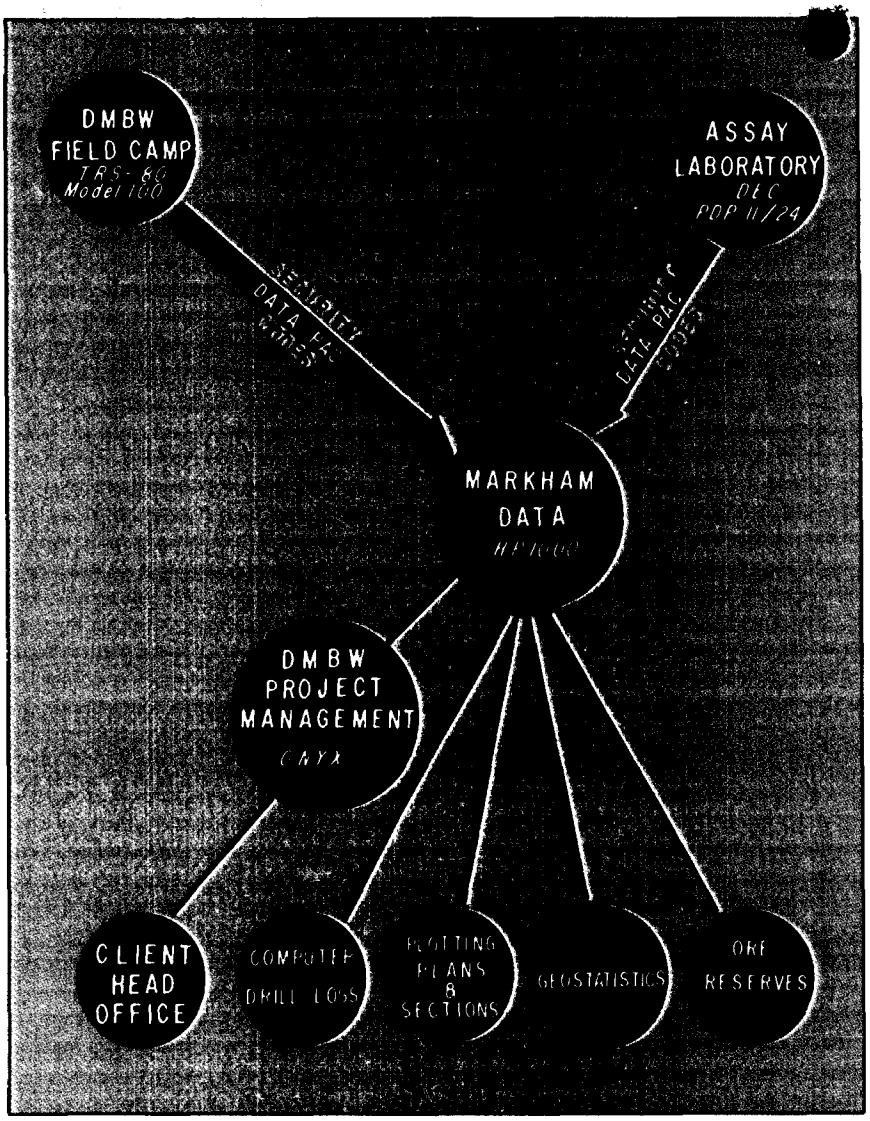
categories which can be entered all at once or separately as follows:

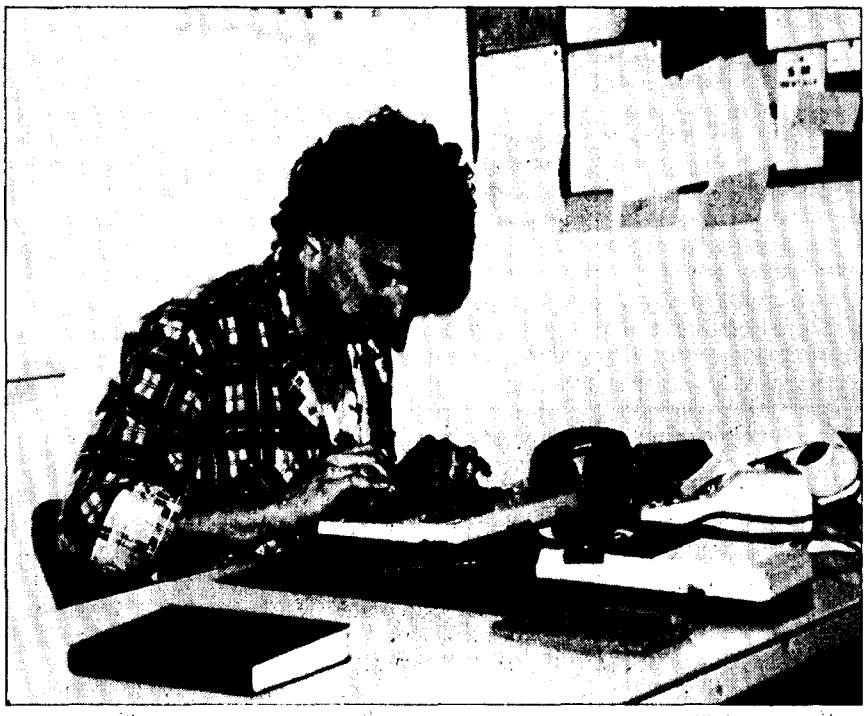
Class 1 – Drill hole coordinates, collar elevation, length of hole, purpose of hole, date of drilling, date of logging, name of logger, type of drill.
Class 2 – Drill hole orientation data, dip and azimuth tests.
Class 3 – Assay interval data including from, to and sample number.
Class 4 – Major geological units.
Class 5 – Geological subunits and remarks.

Typical examples of data entered in the field using a Model 100 computer are shown in the chart on page 16. Log II employs a code number from 1 to 5 in the left hand side to indicate which class of data is being entered. All data entry after this code number is entirely free in format; there is no requirement for any particular entry to be in a fixed position as long as the relative position between entries is maintained. As a consequence, data can be entered very rapidly without concern for extra spaces between individual entries.

We have divided the field data entry into five separate classes because we have found this to be the most efficient way to handle data input. The only required class that must be entered for each hole is Class 1 and in the case of deeper holes, Classes 1 and 2. This is very advantageous because it allows plotting of plants an sections of drillholes before all logging is completed. For example, management can be provided with progress plots of drill holes with assays as they are received. Fast and accurate plotting also facilitates determination of required depths to intersect target zones.

Assay interval data has been entered separately from geology because in most cases geological units contain a number of assay intervals. As a result, coding of geological and mineralogical data for each of these intervals is tedious and in our view not required in many cases. Codes for major geological units and subunits can be specifically designed by the geologist for an individual project or a standard set of codes can be employed. This enables the number of codes for an individual project to be kept at a minimum, i.e. there is no necessity to learn a large table of codes. These codes are entered into a table file and this file can be modified as the project continues; for example, new codes can be added for units intersected in later drilling for which no previous codes are included. The only major rule that must be followed is coding in reverse order of adjectives, i.e. *si-w* means weak silicification, *py-1%* means one per cent pyrite. We feel that the flexibility of coding in our Log II system is one of its major attributes.





One of the authors, Perry Hartwick, transmitting data from the field office.

oratory data entry

Assay or geochemical data is received from the laboratory computer via Bell Canada Datapac system. Log II automatically merges this laboratory data with the field data to produce a master drill log file from which sections, plans and other higher level processing is carried out. Receiving the data directly from the laboratory computer has the advantage of greatly reducing the possibility of errors and significantly reducing the time from finishing of laboratory work to final plotting of assays.

Output

Log II incorporates a very sophisticated artificial language concept to generate a final drill log which is in full English, as shown below. We feel that this is a tremendous advantage because people not familiar with the project or head office personnel who do not have the time to learn coded output can readily assimilate the data. Essentially Log II produces the equivalent of manually typed logs but in a form allowing higher level computer processing of the data. In addition, by utilizing Log II, field data entry is carried through to a final presentation stage with no intervening steps. This greatly increases the speed of data processing, eliminates errors caused by rehandling of data and significantly reduces overall project cost.

A vertical cross section of diamond drill holes can be generated by a Calcomp full-width drum plotter from the master file created from field and laboratory data. The relative distribution of assays is readily seen by the bar chart along the drill hole. Major units of interest have been highlighted on both the plan and section (this is color enhanced in the actual plots). These plots can be produced at any scale or orientation desired and in both metric or Imperial units.

```
 1 'PB4-17' 10587.5 10412.5 215 222.2                1  'PB4- 17'
 1  CO '5+87.5N' '4+12.5W'                           3  14041  118.8  119.8
 1  DR 'LONGYEAR 38' 'BQ'                            3  14042  136.8  137.8
 1  ST 'FEB 29,1984'                                 3  14043  147.0  152.0
 1  COM 'MAR 6, 1984'                                3  14044  152.0  157.0
 1  LO 'P.A. HARTWICK'                               3  14045  157.0  162.0
 1  DA 'MAR 3, 1984 TO MAR 6, 1984'                  3  14046  162.0  164.8
 1  PO 'TO INTERSECT MAIN ZONE AT 100m VERTICAL DEPTH' 3  14047  164.8  167.7
 2  0.0  155  -45                                    3  14048  167.7  169.7
 2  119.5  163  -40                                  3  14049  180.7  183.2
 2  232.3  165  -33                                  3  14050  195.3  200.2
 4  0.0    94.0   OVB                                3  14051  219.2  222.9
 4  94.0   147.0  2C                                 3  14052  224.8  227.7
 5  ge'$fdx1''up to 0.5 cm'w/.bi.sr'                 3  14053  227.7  229.9
 5 'parallel to foliation'                           3  14054  229.9  233.2
 5  hea-w py-m si-w-l ca=7%                          3  14055  251.1  254.3
 5  145.0  147.0  1c                                 3  14056  254.3  255.8
 4  147.0  167.0  16C                                3  14057  255.3  257.5
 5  si'primarily in matrix, clasts                   3  14058  263.5  264.5
 5  largely unaltered' bi-mod py-<1% qc.st'm         3  14059  286.5  288.1
 5  164.8  167.7  si-modfs qc.st''present'           3  14060  288.1  293.2
 5  bi'absent' py-2-3%.fg                            3  14061  293.2  296.1
 4  167.7  173.5  2C                                 3  14062  314.6  319.8
 5  si-w hea-s                                       3  14063  329.3  332.8
 4  173.5  219.2  3B                                 3  14064  332.8  337.0
 5  si-wimod tae-mod py-<1%                          3  14065  337.0  341.8
 5  180.7  183.2  si-modfs se-s py-1%                3  14066  341.8  345.1
 5  '3cm'qc,vt                                       3  14067  345.1  346.1
```

Above is a typical example of coded data entered out in the field using a model 100 computer. Below, a final diamond drill log in full English generated by Log II.

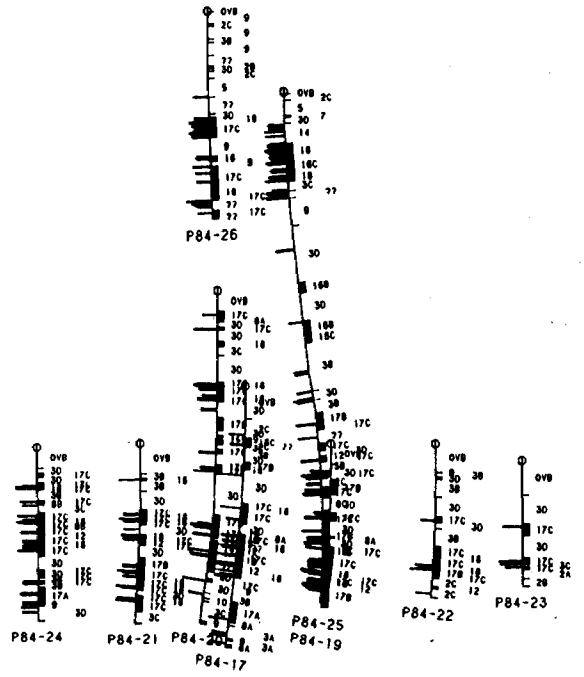
```
Co-ords:  10358N  10622E                    DERRY, MICHNER, BOOTH & WAHL                    Hole No.        PB4-17

Azimuth:  180 Deg.                          Diamond Drill Record                            Property:       PEEKONDAY

Dip:      -45 Deg.                                                                          Location:       5+87.5N 4+12.5W

Elevation: 1215m                            Drill Type:   LONGYEAR 38                       Date Started:   FEB 29,1984

Length:    222m                             Core Size:    BQ                                Date Completed: MAR 6, 1984
                                                                                           Logged By:      P.A. HARTWICK
Purpose:  TO INTERSECT MAIN ZONE AT 100m VERTICAL DEPTH                                    Date Logged:    MARCH 3-8 1984

                                                Dip Tests
                                            118.8m  180.0  -42.0
                                            232.3m  180.0  -33.0

  From     to    ---------- Description ----------  Sample  From    to   length   Au    Mo    Ag    Be    Na    Cu    Pb    Zn     K

  0.00   28.65   OVERBURDEN.
 28.65   44.80   INTERMEDIATE VOLCANICS (ASH/CRYSTAL TUFF),
                 Quartz Eyes and Feldspar crystals up to 0.5 cm with Biotite grains  14041  38.21  38.51   .30    85     2    .05    209   2.76    23     3    80   1.10
                 parallel to foliation.                                              14042  41.00  42.00   .81   100     3    .20    268   3.02    21     4    44   1.04
                 Weak hematite alteration. Minor Pyrite. Weak local silicification.
                 Core axis at 70 degrees.
                 44.2 44.8  Core lost due to grinding.
 44.80   50.00   MODERATELY SILICIFIED INTERMEDIATE PYROCLASTICS (ASH/CRYSTAL TUFF),
                 Silicification primarily in matrix, clasts largely unaltered.       14043  44.80  46.32   1.52    35     1    .10    227   4.27    22     6    80   1.01
                 Moderate Biotite. Up to 1% Pyrite. Minor Quartz-carbonate stringers.14044  46.32  47.85   1.53    35     2    .05    237   4.56    18     4    68   1.00
                 50.2 51.1  Moderate to strong silicification. Quartz-carbonate      14045  47.85  49.37   1.52     9     2    .05    227   4.34    14     4    84   1.02
                 stringers present. Biotite absent. 2 to 3% Fine grained Pyrite.     14046  49.37  50.93   .96    75     1    .20    328   4.40    13    26    56   1.00

 51.11   82.88   INTERMEDIATE VOLCANICS (ASH/CRYSTAL TUFF),
                 Weak silicification. Strong hematite alteration.                    14048  81.41  81.72   .91     5     1    .10    310   3.97    23     5    50   1.00
```

Conclusions

We feel that the Log II system represents a significant advance in handling exploration and mining data for the following reasons.

- The data is entered in the field using portable microcomputers and assay data is received directly from the laboratories via telephone modems, which greatly speeds the processing of data and reduces handling errors.
- The requirement of complex codes and coding forms is eliminated; the geologist can choose the type of codes which suit the individual project. These codes can be easily modified during the program and modified from property to property as required.
- Once the data is entered into a master file, plotting of plans, section, geostatistical studies and ore reserve estimates, as well as other high level processing, is greatly facilitated.
- Relative to the overall cost of the diamond drilling program the computer costs are relatively small. In our experience, costs generally range from two to three per cent of the overall drilling costs depending on the level of processing.
- Most importantly, management is provided with accurate final plots during the execution of the program rather than waiting for weeks and sometimes months for final drafted output. This enables more rapid and effective decision making.

Up-dip plan projection of diamond drill holes generated by LOG II. The relative distribution of assays is outlined by a bar chart along each drill hole. Geological units of interest have been highlighted.



******** LEGEND ********

KEWEENAWAN

[12] Felsite dykes and diatreme breccias

[11] Diabase dykes

ARCHEAN

INTRUSIVE ROCKS

[10] Lamprophyre dykes

[9] Diabase dykes

[8] Heron Bay Batholith
- a) biotite quartz monzonite
- b) gabbro
- c) monzonite

[7] Gabbroic sills

ALTERED VOLCANIC ROCKS

[18] Strongly silicified pyroclastics

[17] Moderately silicified dacitic pyroclastics
- a) undifferentiated
- b) tuff breccia/lapilli tuff
- c) ash/crystal tuff
- d) tuff/tuffaceous sediments

[16] Moderately silicified intermediate pyroclastics
- a) undifferentiated
- b) tuff breccia/lapilli tuff
- c) ash/crystal tuff

[15] Moderately silicified mafic pyroclastics

[14] Moderately silicified intermediate tuffaceous sediments

[13] Moderately silicified dacitic tuffaceous sediments

UNALTERED VOLCANIC ROCKS

[6] Intermediate tuffaceous sediments

[5] Dacitic tuffaceous sediments

[4] Felsic to Intermediate Flows/Synvolcanic Intrusives
- a) undifferentiated
- b) quartz feldspar porphyry
- c) dacite

[3] Dacitic Pyroclastics
- a) undifferentiated
- b) tuff breccia
- c) lapilli tuff
- d) ash/crystal tuff
- e) tuff/tuffaceous sediments

[2] Intermediate volcanics
- a) undifferentiated
- b) lapilli tuff
- c) ash/crystal tuff
- d) intermediate flows

[1] Mafic Volcanics
- a) undifferentiated
- b) ash/lapilli tuff
- c) basaltic flows

SCALE 1:2500

50 0 50 100 150 200

METRES

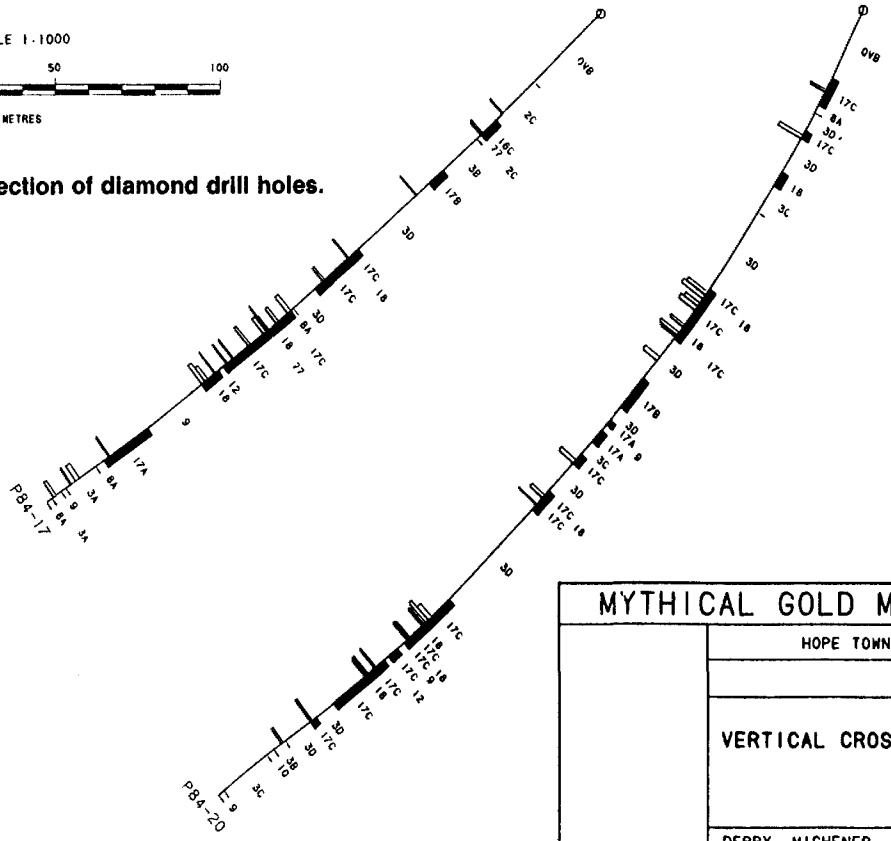
MYTHICAL GOLD MINES LTD.		
	HOPE TOWNSHIP	SURVEY BY: DMBW
		DRAWN BY: MDI
	UP DIP PLAN PROJECTION	APPROVED BY:
		N.T.S. 82 E/SC16
		DATE AUG/84
	DERRY, MICHENER, BOOTH & WAHL	DWG NO

SCALE 1:1000

20 0 50 100

METRES

Vertical cross-section of diamond drill holes.



MYTHICAL GOLD MINES LTD.		
	HOPE TOWNSHIP	SURVEY BY: DMBW
		DRAWN BY: MDI
	VERTICAL CROSS SECTION	APPROVED BY
		N.T.S. 12 E/SC16
		DATE AUG/84
	DERRY, MICHENER, BOOTH & WAHL	DWG NO

NOTE: THIS HAS BEEN REPRINTED FROM THE CANADIAN MINING JOURNAL, SEPTEMBER 1984. THE ILLUSTRATIONS ON THIS PAGE DID NOT APPEAR WITH THE ORIGINAL ARTICLE.

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764 Belfast Road
Ottawa, Ontario
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Phone: (613) [redacted]
Telex: 053-4455

BONDAR-CLEGG

DERRY, MICHENER BOOTH & WAHL
DENNIS VILLENEUVE
2302-401 BAY STREET
TORONTO, ONTARIO
M5H 2Y4

Invoice No: 106679
Date: June 12, 1984
Report No: 014-1171
Project: RL/84

115 Analyses of GOLD		at .00	805.00	
Subtotal			805.00	805.00
Sample Preparation				
115 Samples of SIEVE	-80	at 0.80	92.00	
Subtotal			92.00	92.00
Miscellaneous Charges				
Shipping Charges			47.55	
Subtotal			47.55	47.55
Invoice Total				$944.55

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DENNIS VILLENEUVE
2302-401 BAY STREET
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M5H 2Y4

Invoice: 106708
Date: June 19, 1984
Report No: 014-1172
Project: RL/84

227 Analyses of GOLD		at 7.00	1582.00	
Subtotal			1582.00	1582.00
Sample Preparation				
223 Samples of SIEVE	-80	at 0.80	178.40	
Subtotal			178.40	178.40
		Invoice Total		$1760.40

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VII

DERRY, MICHENER BOOTH & WAHL
DENNIS VILLENEUVE
2302-401 BAY STREET
TORONTO, ONTARIO
M5H 2Y4

Invoice: 106728
Date: June 20, 1984
Report No: 014-1221
Project: AL-84

100 Analyses of GOLD		at 7.00	700.00	
Subtotal			700.00	700.00
Sample Preparation				
100 Samples of SCIVE	-50	at 0.80	80.00	
Subtotal			80.00	80.00
Miscellaneous Charges				
Shipping Charges			122.00	
Subtotal			122.00	122.00
		Invoice Total		$902.00

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Invoice: 106788

Date: [illegible] 1994

Report No: [illegible]

Project: [illegible]

[illegible]

Total [illegible]

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DENNIS VILLENEUVE
ST. 410 CONFEDERATION Sq.
20 RICHMOND ST. EAST
TORONTO, ONT. M5C 2R9

Invoice: 106849
Date: June 27, 1984
Report No: 014-1349
Project: RL-84

1 Analysis of Gold - Fire Assay		at	6.50	
Subtotal			6.50	6.50
Sample Preparation				
1 Sample of SEIVE	-80	at	0.80	
Subtotal			0.80	0.80
		Invoice Total		$7.30

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ST. 410 CONFEDERATION SQ.
20 RICHMOND ST. EAST
TORONTO, ONT. M5C 2R9

Invoice: 106845
Date: June 27, 1984
Report No: 014-1348
Project: RL-84

44 Analyses of Gold - Fire Assay	at	6.50	286.00	
Subtotal			286.00	286.00
Sample Preparation				
44 Samples of CRUSH,PULVERIZE -200	at	3.00	132.00	
Subtotal			132.00	132.00
Miscellaneous Charges				
Shipping Charges			33.80	
Subtotal			33.80	33.80
Invoice Total				$451.80

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D.V.

Steven M. Clark

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IAN THOMPSON
ST. 410 CONFEDERATION SQ.
20 RICHMOND ST. EAST
TORONTO, ONT. M5C 2R9

Invoice: 106999
Date: July 05. 1984
Report No: 014-1460
Project: RL-84

22 Analyses of GOLD	at	7.00	154.00	
Subtotal			154.00	154.00
Sample Preparation				
22 Samples of CRUSH,PULVERIZE -200	at	3.00	66.00	
Subtotal			66.00	66.00
Miscellaneous Charges				
Shipping Charges			25.55	
Subtotal			25.55	25.55
Invoice Total				$245.55

APPROVED FOR PAYMENT

Dyson Rowan Lake

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ST. 410 CONFEDERATION SQ.
20 RICHMOND ST. EAST
TORONTO, ONT. M5C 2R9

Invoice: 107058

Date: July 29, 1984

Report No: 014-1518

Project: RL-84

21 Analyses of Gold - Fire Assay	at	6.50	136.50		
Subtotal			136.50	136.50	
Sample Preparation					
21 Samples of CRUSH,PULVERIZE -200	at	3.00	63.00		
Subtotal			63.00	63.00	
Invoice Total				$199.50	

Dejour
Rowan Lake.
[illegible]

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Phone: (613) -2220
Telex: 053-3233

BONDAR-CLEGG

Invoice #: 107104

Date: July 12, 1984

Report No.: 214-1517

Project: -86

[illegible]
DENNIS VILLENEUVE
[illegible] CORPORATION LTD.
20 RICHMOND ST. EAST
TORONTO, ONT. M5C 2R9

[illegible] GOLD		[illegible]	868.60	
Discount			320.00	548.60
Sample Preparation				
10% Samples at REJUVE	-86	@ 1.00	99.20	
Subtotal			99.20	99.20
Miscellaneous Charges				
Shipping Charges			47.80	
Subtotal			47.80	47.84
Total This Invoice				$1015.64

Dejan
Kowan Lake
Denis Dallmeyer

Stan McRoberts

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario,
Canada K[illegible]
Phone: ([illegible])-2220
Telex: 053-3503

BONDAR-CLEGG

DERRY, MICHENER BOOTH & WAHL
IAN THOMPSON
ST. 410 CONFEDERATION SQ.
20 RICHMOND ST. EAST
TORONTO, ONT. M5C 2R9

Invoice: 108918

Date: October 18, 1984

Report No: 114-117

Project: RL-84

138 Analyses of Arsenic		at 3.50	483.00	
Subtotal			483.00	
Less: 15% Contract Discount			72.45	
Discounted Subtotal			410.55	410.55
	Invoice Total			$410.55

Dey 107

Dennis Williamson

Steve McRoberts

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario,
Canada K
Phone: (61 -2220
Telex: 053-3233

BONDAR-CLEGG

DERRY, MICHENER BOOTH & WAHL
IAN THOMPSON
ST. 410 CONFEDERATION SQ.
20 RICHMOND ST. EAST
TORONTO, ONT. M5C 2R9

Invoice: 108910

Date: October 18, 1984

Report No: 114-1171

Project: RL-84

72 Analyses of Arsenic		at	3.50	252.00
Subtotal				252.00
	Invoice Total			$252.00

S/B

252.0 C x
0.15 =
37.80

252.00 +
37.80 -
214.20 =

Will credit diff.

DEJ 107

Dennis Richmond

Steve McRoberts

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.
Ottawa, On[illegible]
Canada K1[illegible]
Phone: (613) [illegible]-2220
Telex: 053-3233

BONDAR-CLEGG

DERRY, MICHENER BOOTH & WAHL
IAN THOMPSON
ST. 410 CONFEDERATION BD.
20 RICHMOND ST. EAST
TORONTO, ONT. M5C 2R7

Invoice: 108955
Date: October 22, 1986
Report No: 114-1222
Project: PL-84

510 Analyses of Arsenic		at 3.50	1785.00	
Subtotal:			1785.00	
Less: 15% Contract Discount			-267.75	
Discounted Subtotal:			1517.25	1517.25
	Invoice Total			$1517.25

Def. 107

Ian Thompson

Steven McRobbie

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ont.
Canada K1J
Phone: (613) 749-2220
Telex: 053-3233

BONDAR-CLEGG

DERRY, MICHENER BOOTH & WAHL
IAN THOMPSON
ST. 410 CONFEDERATION BL.
20 RICHMOND ST. EAST
TORONTO, ONT. M5C 2R9

Invoice: R6185

Date: October 22, 1984

Report No: 11-1221

Project: P-84

102 Analyses of Arsenic		at 3.50	357.00	
Subtotal			357.00	
Less: 15% Cost at Discount			53.55	
Discounted Sub-total			303.45	303.45
Invoice Total				303.45

Dyann Rowan
Dep. 107.
Pam Nelson

Steven McRobert

THIS IS A PROFESSIONAL SERVICE

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ont[illegible]
Canada K1[illegible]
Phone: (613)[illegible]-2220
Telex: 053-3233

BONDAR-CLEGG

Credit Note: 109051

Date: October 25, 1984

DERRY, MICHENER BOOTH & WAHL
ST. 410 CONFEDERATION SQ.
20 RICHMOND ST. EAST
TORONTO, ONTARIO. M5C 2R9
ATTENTION: MR. I.THOMPSON

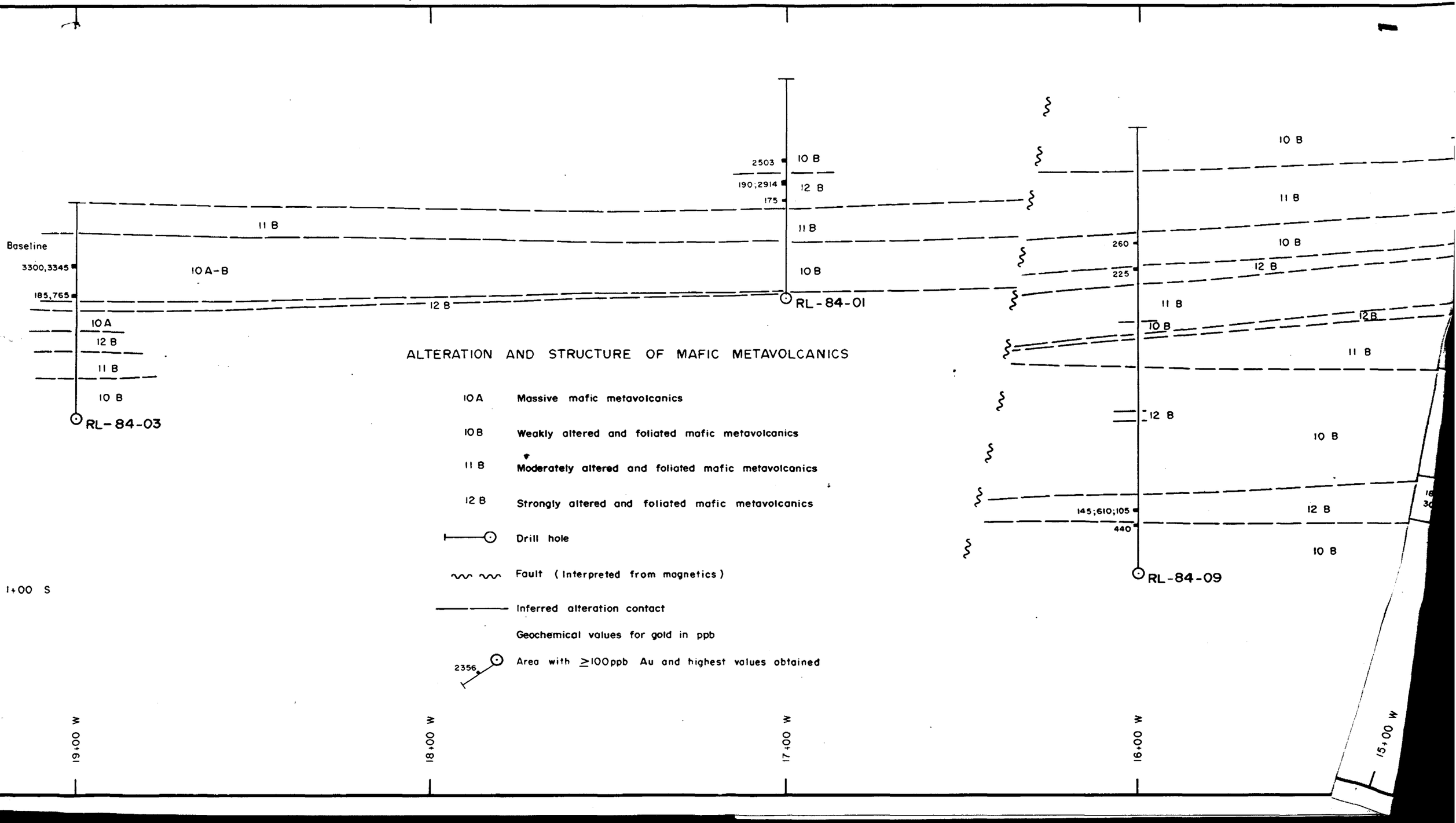
CREDIT NOTE
DISCOUNT WAS NOT APPLIED FOR
INV. 108910, REPORT NO.
114-1171 FOR THE AMOUNT OF 37.80

APPROVED FOR PAYMENT
PER: _____
PROJECT CODE _____ DET-107
EXPENSE CODE 8332

CREDIT

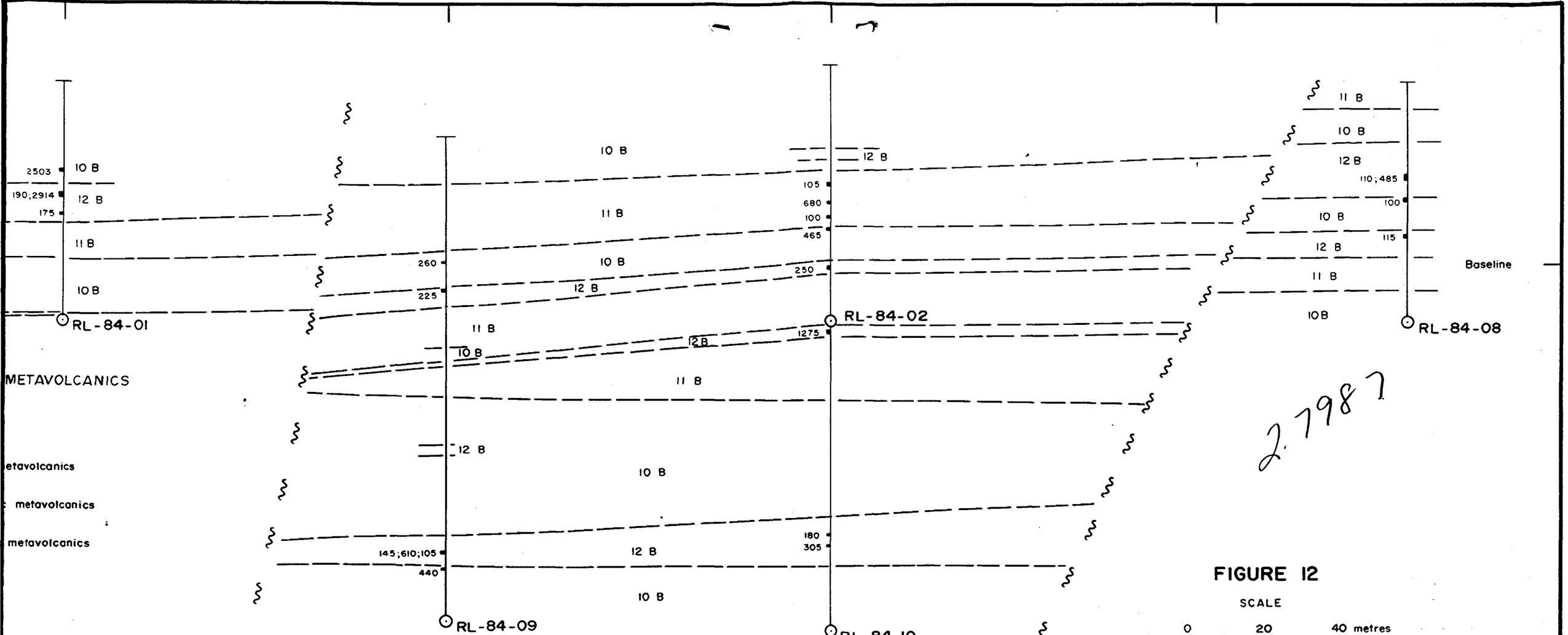
Credit Note Total $37.80

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED



ALTERATION AND STRUCTURE OF MAFIC METAVOLCANICS

10A	Massive mafic metavolcanics
10B	Weakly altered and foliated mafic metavolcanics
11B	Moderately altered and foliated mafic metavolcanics
12B	Strongly altered and foliated mafic metavolcanics
⊙—	Drill hole
~~	Fault (Interpreted from magnetics)
———	Inferred alteration contact
	Geochemical values for gold in ppb
2356 ⊙	Area with ≥100ppb Au and highest values obtained



2.7987

FIGURE 12

SCALE

0 20 40 metres

ROWAN LAKE PROJECT

CENTRAL HORIZON

PLAN OF VERTICAL PROJECTION OF DIAMOND DRILL HOLE DATA

900

Mining Lands Section

File No 2.7987

Control Sheet

TYPE OF SURVEY

✓ GEOPHYSICAL

✓ GEOLOGICAL

✓ GEOCHEMICAL

✓ EXPENDITURE

MINING LANDS COMMENTS:

~~need receipts~~ ✓ receipt from consultants - DMBW :. $ OK

need over Fowler mapped ✓ prorate for water L.C.

~~signed report and pseudo sections needed. not just summary~~ ✓

gleches prorated 28 claims on coverage.

IP & OK

Lgd.

LD

Doug

Signature of Assessor

16/8/85

Date

1985 09 23

Your File: 102-85
Our File:2.7987

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

RE: Notice of Intent dated September 3, 1985
Geophysical (Induced Polarization), Geochemical, Geological Surveys and Data for Assaying
on Mining Claims K 696726, et al, in Lawrence and Rowan Lake Areas

---

The assessment work credits, as listed with the above-mentioned Notice of Intent, have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

D. Kinvig:mc

cc: Dejour Mines Limited
Suite 410
20 Richmond Street East
Toronto, Ontario
M5C 2R9
Attention: Steven S. McRoberts

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

cc: Resident Geologist
Kenora, Ontario

Encl.

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7987

Date 1985 09 03

Mining Recorder's Report of Work No. 102-85

Recorded Holder
DEJOUR MINES LIMITED

Township or Area
LAWRENCE LAKE, ROWAN LAKE

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 696726-727 696729 696731 to 736 incl 696738 696744 765978 to 982 incl 765986 to 991 incl 765999-6000 772001 to 004 incl 772009 to 012 incl
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization 19.25 days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days ☒ Airborne ☐	
Special provision ☐ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

☒ not sufficiently covered by the survey

K 696728
696730
696739 to 743 incl
765975 to 977 incl
765983 to 985 incl
765992 to 994 incl
765996 to 998 incl

☐ Insufficient technical data filed

K 765005 to 008 incl
772013

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60:

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7987

Date 1985 09 03

Mining Recorder's Report of Work No. 102-85

Recorded Holder
DEJOUR MINES LIMITED

Township or Area
LAWRENCE LAKE, ROWAN LAKE

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 696726 696732 to 736 incl 696744 765977 to 983 incl 765986 to 988 incl 765999 772001 to 005 incl 772007 772009 to 012 incl
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical 13 days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

☒ not sufficiently covered by the survey

K 696727 to 731 incl
696738 to 743 incl
765975-976
765984-985
765989 to 994 incl
765996 yo 998 incl
766000
772006

☒ Insufficient technical data filed

K 772008
772013

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60:

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7987

Date 1985 09 03

Mining Recorder's Report of Work No. 102-85

Recorded Holder
DEJOUR MINES LIMITED

Township or Area
LAWRENCE LAKE, ROWAN LAKE

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 696726 to 736 incl 696738 to 744 incl 765975 to 994 incl 765996 to 6000 incl 772001 to 013 incl
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological 35 days	
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☒ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60:

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7987

Date 1985 09 03

Mining Recorder's Report of Work No. 102-85

Recorded Holder
DEJOUR MINES LIMITED

Township or Area
LAWRENCE LAKE, ROWAN LAKE

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days ☐ Airborne ☐ Special provision ☐ Ground ☐ ☐ Credits have been reduced because of partial coverage of claims. ☐ Credits have been reduced because of corrections to work dates and figures of applicant.	$12,408.95 spent assaying samples collected on the following Mining Claims: K 696726 696732 to 736 incl 696744 765977 to 983 incl 765986 to 988 incl 765999 772001 to 005 incl 772007 772009 to 012 incl 827 days assessment work credit allowed which may be grouped in accordance with Section 76(6) of the Mining Act RSO 1980.

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60:

828 (83/6)

Ministry of
Natural
Resources

Ontario

Sept 18/85

1985 09 03

Your File: 102-85
Our File: 2.7987

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

RJP/D. Isherwood:mc

Encls.

cc: Dejour Mines Limited
Suite 410
20 Richmond Street East
Toronto, Ontario
M5C 2R9
Attention: Steven S. McRoberts

cc: Mr. G.H. Ferguson
Mining & Lands Comm.
Toronto, Ontario

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1985 09 03

2.7987/102-85

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

FWM 2.1987

The Mining Act

#102.85

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Type of Survey(s)	Township or Area
Geological, Geochemical, Induced Polarization/Resistivity	G.2681 M.2580 Lawrence Lake - Rowan Lake

Claim Holder(s)	Prospector's Licence No.
Dejour Mines Limited.	T-794

Address: Suite 410, 20 Richmond Street East, Toronto, Ontario M5C 2R9

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
Derry, Michener, Booth & Wahl	01 05 84 (Day Mo. Yr.) 31 12 84 (Day Mo. Yr.)	60 mi (96 km)

Name and Address of Author (of Geo-Technical report)
Steven S. McRoberts, 20 Richmond Street East, Suite 410, Toronto, Ontario M5C 2R9

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	40
	Geochemical	20

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other IP Survey	19.25
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
	See Attached Table 1				

RECEIVED
MAY 08 1985
MINING LANDS SECTION

KENORA MINING DIV.
RECEIVED
APR 16 1985
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Expenditures (excludes power stripping)

Type of Work Performed: Geochemical Survey (Analyses)

Performed on Claim(s): See Attached Table 2

Calculation of Expenditure Days Credits

Total Expenditures				Total Days Credits
$ 12,408.95*	÷	15	=	827

Instructions: * See receipts
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

696726

Total number of mining claims covered by this report of work: 56

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
4243	Apr. 16/85	
	Date Approved as Recorded	Branch Director
	see revised statement	

Date	Recorded Holder or Agent (Signature)
April 10, 1985	

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
Steven S. McRoberts, Suite 410, 20 Richmond Street East, Toronto, Ontario M5C 2R9

Date Certified	Certified by (Signature)
April 10/85	

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey: Induced·Polarization/Resistivity

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
88	X	7	=	616	+	Ø	=	616	+	32	=	19.25

Type of Survey

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		+		=	

Type of Survey

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		÷		=	

Type of Survey

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		+		=	

Geological

DEJOUR MINES LIMITED

Table 1

ROWAN LAKE CLAIMS

Claim No.	Expend. Days Cr.
K-696726	15
K-696727	15
K-696728	15
K-696729	15
K-696730	15
K-696731	15
K-696732	15
K-696733	15
K-696734	15
K-696735	15
K-696736	15
K-696738	15
K-696739	15
K-696740	15
K-696741	15
K-696742	15
K-696743	15
K-696744	15
K-765975	15
K-765976	15
K-765977	15
K-765978	15
K-765979	15
K-765980	15
K-765981	15
K-765982	15
K-765983	15
K-765984	15

Claim No.	Expend. Days Cr.
K-765985	15
K-765986	15
K-765987	15
K-765988	15
K-765989	15
K-765990	15
K-765991	15
K-765992	15
K-765993	15
K-765994	15
K-765996	15
K-765997	15
K-765998	15
K-765999	15
K-766000	15
K-772001	15
K-772002	15
K-772003	15
K-772004	15
K-772005	15
K-772006	15
K-772007	15
K-772008	15
K-772009	15
K-772010	15
K-772011	15
K-772012	15
K-772013	15

56 claims
40 days each

Geochemical

DEJOUR MINES LIMITED

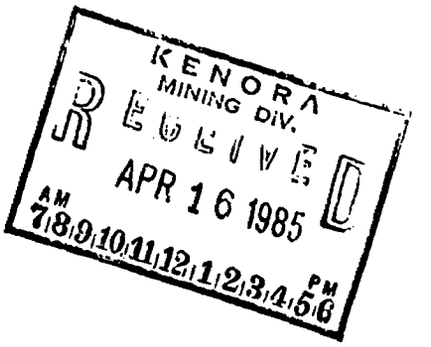
Table 2

Claims Covered or Partially Covered by Geochemical Survey

K-696736
K-696744
K-~~765932~~ 696732
K-~~765933~~ 696733
K-~~765934~~ 696734
K-~~765935~~ 696735
K-765977
K-765978
K-765979
K-765980
K-765981
K-765982
K-765983
K-765986
K-765987
K-765988
K-765989
K-765996
K-765999
K-772001
K-772002
K-772003
K-772004
K-772005
K-772007
K-772010
K-772011
K-772012

Total Number of Claims - 28

28 claims
20 days each



I.P. Survey

DEJOUR MINES LIMITED

Table 1

ROWAN LAKE CLAIMS

Claim No.	Expend. Days Cr.
K-696726	15
K-696727	15
K-696728	15
K-696729	15
K-696730	15
K-696731	15
K-696732	15
K-696733	15
K-696734	15
K-696735	15
K-696736	15
K-696738	15
K-696739	15
K-696740	15
K-696741	15
K-696742	15
K-696743	15
K-696744	15
K-765975	15
K-765976	15
K-765977	15
K-765978	15
K-765979	15
K-765980	15
K-765981	15
K-765982	15
K-765983	15
K-765984	15

Claim No.	Expend. Days Cr.
K-765985	15
K-765986	15
K-765987	15
K-765988	15
K-765989	15
K-765990	15
K-765991	15
K-765992	15
K-765993	15
K-765994	15
K-765996	15
K-765997	15
K-765998	15
K-765999	15
K-766000	15
K-772001	15
K-772002	15
K-772003	15
K-772004	15
K-772005	15
K-772006	15
K-772007	15
K-772008	15
K-772009	15
K-772010	15
K-772011	15
K-772012	15
K-772013	15

32 claims
19.25 days each

Section 77(19)

DEJOUR MINES LIMITED

Table 1

ROWAN LAKE CLAIMS

Claim No.	Expend. Days Cr.	Claim No.	Expend. Days Cr.
K-696726	15	K-765985	15
K-696727	15	K-765986	15
K-696728	15	K-765987	15
K-696729	15	K-765988	15
K-696730	15	K-765989	15
K-696731	15	K-765990	15
K-696732	15	K-765991	15
K-696733	15	K-765992	15
K-696734	15	K-765993	15
K-696735	15	K-765994	15
K-696736	15	K-765996	15
K-696738	15	K-765997	~~15~~ 14
K-696739	15	K-765998	~~15~~ 14
K-696740	15	K-765999	~~15~~ 14
K-696741	15	K-766000	~~15~~ 14
K-696742	15	K-772001	~~15~~ 14
K-696743	15	K-772002	15
K-696744	15	K-772003	~~15~~ 14
K-765975	15	K-772004	~~15~~ 14
K-765976	15	K-772005	~~15~~ 14
K-765977	15	K-772006	15
K-765978	15	K-772007	15
K-765979	15	K-772008	15
K-765980	15	K-772009	~~15~~ 14
K-765981	15	K-772010	~~15~~ 14
K-765982	15	K-772011	~~15~~ 14
K-765983	15	K-772012	~~15~~ 14
K-765984	15	K-772013	~~15~~ 14

Total 827

56 claims

DEJOUR MINES LIMITED

Summary of Analytical Costs

Rowan Lake Project

Date	Amount
June 18, 1984	$ 944.55
June 19, 1984	$ 1,767.40
June 20, 1984	$ 902.00
June 25, 1984	$ 4,430.40
June 27, 1984	$ 7.30
June 27, 1984	$ 451.80
July 9, 1984	$ 199.50
July 12, 1984	$ 1,015.00
July 18, 1984	$ 410.55
October 18, 1984	$ 252.00
October 22, 1984	$ 1,517.25
October 22, 1984	$ 303.45
October 25, 1984	$ (37.80)
TOTAL	$28,408.95

DEJOUR MINES LIMITED

SUITE 410 - CONFEDERATION SQUARE
20 RICHMOND STREET EAST
TORONTO, CANADA M5C 2R9
TELEPHONE: (416) 368-4636
TELEX: 06-23686
TELECOPIER: (416) 367-3347

August 12, 1985

Mr. Doug Isherwood
Ministry of Natural Resources
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario M7A 1W3

Dear Mr. Isherwood:

Re: Your File No. 2.7987
and letter dated May 24th, 1985

Enclosed, in duplicate, are the following requested items to complete the required assessment documentation on mining claims K-696726 et al. in the areas of Lawrence Lake and Rowan Lake.

(1) Signed geological plans with overburden characteristics.

(2) Signed geochemical plans with claim lines and claim numbers.

(3) Signed technical report on the IP survey. Pseudo-sections are included.

(4) Signed statement of qualifications for S.S. McRoberts.

(5) Signed DMBW receipts that include payment of $12,408.95 on assaying.

(a) Bondar-Clegg invoices numbered 106679, 106708, 106728, 106848 and 106849 were included on DMBW's invoice No. 225.

(b) Bondar-Clegg invoices numbered 106999, 107058 and 107104 were included on DMBW's invoice No. 264.

(c) Bondar-Clegg invoices numbered 108985, 108989, 108910, 108918 and 109051 were included on DMBW's invoice No. 411.

I trust that this meets with your requirements.

Yours very truly,

DEJOUR MINES LIMITED

Stanley D. Robinson

Stanley D. Robinson
Geologist

SDR:smm
Enclosures

CERTIFICATE OF QUALIFICATIONS

I, Steven S. McRoberts of the City of Hamilton, Province of Ontario, do hereby certify:-

(1) That I am a geologist and reside at 255 Bold Street, Apartment #201, Hamilton, Ontario, L8P 1W1.

(2) That I graduated from McMaster University in 1983 with a degree of Bachelor of Science (Geology).

(3) That I am a member in good standing of the following organizations: The Canadian Institute of Mining and Metallurgy, Prospectors and Developers Association and The Toronto Geological Discussion Group.

(4) That I have been practising my profession for a period of more than 2 years.

(5) That I am a Project Geologist with Derry, Michener, Booth & Wahl, Consulting Geologists and Engineers.

(6) That I have no direct or indirect interest or expect to receive any in the properties or securities of Dejour Mines Limited or any affiliate.

(7) That I personally was involved with the technical supervision of the survey and wrote the report.

(8) Permission is given to use this report for assessment requirements.

S.S. McRoberts, B.Sc.

Toronto, Canada
August 6, 1985

DERRY, MICHENER, BOOTH & WAHL
CONSULTING GEOLOGISTS AND ENGINEERS

Suite 410
Confederation Square
20 Richmond Street East
Toronto, Canada M5C 2R9
Telephone (416) 368-4636
Cable: Dembee
Telex: 06-23686

June 30, 1984

Dejour Mines Ltd.
410, 20 Richmond Street East
Toronto, Ontario
M5C 2R9

INVOICE NO: 225

ROWAN LAKE

To: Fees and Expenses To June 30, 1984

Professional Services:

I.S. Thompson	21 hours	$ 1,575.00	G. Lamonthe	30 days	$ 3,600.00
D.G. Wahl	1 hour	75.00	R. McDougall	30 days	3,600.00
S. McRoberts	30 days	7,920.00	B. Connors	29 days	3,480.00
J. Nikiforuk	21½ days	2,580.00	Staff	7½ hours	115.00
					$ 22,945.00
			Less 15%		3,441.76
					$ 19,503.24

Expenses:

Fuel	$ 424.94	Maps	$ 1.07	
Accom. & Meals	836.81	Telephone	87.81	
Auto	26.00	Analytical Costs	8,503.45	
General Travel	74.95	Prints	2.80	
Claim Fee	15.00	Consumables	2,091.39	
Freight & Courier	1,234.34	Equip. Rental	1,839.00	15,137.56
				$ 34,640.80

DERRY, MICHENER, BOOTH & WAHL

PAID JUL 23 1984

D. Wahl

DERRY, MICHENER, BOOTH & WAHL
CONSULTING GEOLOGISTS AND ENGINEERS

SUITE 410 · CONFEDERATION SQUARE
20 RICHMOND STREET EAST
TORONTO, CANADA M5C 2R9
TELEPHONE: (416) 368-4636
TELEX: 06-23686
TELECOPIER: (416) 367-3347

Dejour Mines Ltd.
410, 20 Richmond Street East
Toronto, Ontario
M5C 2R9

INVOICE DATE: July 31, 1984 INVOICE NO: 264

ROWAN LAKE

To: Fees and Expenses to July 31, 1984

Professional Services:

S. McRoberts	11	days	$ 2,673.00	R. Woolham	8	hours	$ 600.00
J. Nikiforuk	9	days	1,080.00	I.S. Thompson	2.50	hours	188.00
G. Lamonthe	8	days	960.00	D.R. Derry	1	hour	83.00
R. McDougall	7	days	980.00	Staff	19.75	hours	217.00
							$ 6,781.00
					Less 15%		1,017.00
							$ 5,764.00

Expenses:

Accommodation and Meals	$ 345.88	Claim Fees	$ 20.00	
Contract Labour	319.00	Prints	27.19	
General Travel	142.52	Telephone	140.02	
Consumables	44.21	Analytical Costs	1,466.45	
Courier and Freight	1,975.45	Truck Rental	493.58	
Postage	9.33	Surveying	11,582.50	16,566.13
				$ 22,330.13

DERRY, MICHENER, BOOTH & WAHL
PAID AUG 17 1984

DERRY, MICHENER, BOOTH & WAHL
CONSULTING GEOLOGISTS AND ENGINEERS

SUITE 410 · CONFEDERATION SQUARE
20 RICHMOND STREET EAST
TORONTO, CANADA M5C 2R9
TELEPHONE: (416) 368-4636
TELEX: 06-23686
TELECOPIER: (416) 367-3347

Dejour Mines Ltd.
410, 20 Richmond Street East
Toronto, Ontario
M5C 2R9

CLIENT NO: DEJ 107

INVOICE DATE: October 31, 1984

INVOICE NO: 411

ROWAN LAKE FARMOUT

TO: Fees and Expenses to October 31, 1984

Professional Services:

D.R. Derry	½ hour	$ 42.00	J. Dixon	1 hour	$ 30.00
I.S. Thompson	30½ hours	2,288.00	S. McRoberts	24 days	6,292.00
R.W. Woolham	2 hours	150.00	L. Forsyth	26 days	3,380.00
W.N. Pearson	2½ hours	125.00	Staff	8½ hours	238.00
					$ 12,545.00

Expenses:

Contract Labour	$ 375.00	Equipment Purchase	$ 171.20	
Accommodation and Meals	248.18	Radio Rental	170.00	
Auto Rental	57.09	Analytical Costs	5,268.52	
Truck Rental	1,444.50	Drilling Costs	59,508.00	
Airfare	407.00	Drilling Consumables	2,030.63	
General Travel	89.50	Prints	54.93	
Fuel	917.52	Courier & Freight	276.32	
Consumables	1,081.40	Telephone	256.20	
Office Supplies	27.63	Postage	17.96	72,401.58
				$ 84,946.58

DERRY, MICHENER, BOOTH & WAHL

PAID NOV 28 1984

May 24, 1985 File: 2.7987

Dejour Mines Limited
c/o Derry, Michener, Booth & Wahl
Suite 410, Confederation Square
20 Richmond Street East
Toronto, Ontario
M5C 2R9

Dear Sirs:

RE: Geophysical (Induced Polarization), Geological, Geochemical Surveys and Data for Assaying submitted on Mining Claims K 696726, et al, in the Areas of Lawrence Lake and Rowan Lake

---

Enclosed are the plans, in duplicate, for the above-mentioned geological and geochemical surveys.

In order to complete your submission for assessment, please provide the following:

1. On the geological plans, plot the nature of the overburden in areas where little or no outcrop exists.

2. On the geochemical plans, plot the claim lines and the claim numbers.

3. A signed technical report discussing the Induced Polarization Survey and the resultant pseudo-sections.

4. A statement of qualifications of the co-author of the report, S. McRoberts, and either his signature or that of I.S. Thompson on each plan.

5. Signed receipts and/or cancelled cheques substantiating the $123408.95 expended on assaying.

..2

Please forward the above-information, in duplicate, to this office quoting file 2.7987.

For further information, please contact Doug Isherwood at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

D. Isherwood:mc

cc: Derry, Michener, Booth & Wahl
Suite 410, Confederation Square
20 Richmond Street East
Toronto, Ontario
M5C 2R9

cc: Mining Recorder
Kenora, Ontario

Encl.

1985 04 25 File: 2.7987

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

We received reports and maps on April 11, 1985 for a Geophysical (I.P.) Geological and Geochemical Survey submitted under Special Provisions (credit for Performance and Coverage) and Data for Assaying on Mining Claims K 696726, et al, in the Areas of Lawrence and Rowan Lakes.

This material will be examined and assessed and a statement of assessment work credits will be issued.

We do not have a copy of the report of work which is normally filed with your office prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

A. Barr:mc

cc: Dejour Mines
c/o Derry, Michener, Booth & Wahl
Suite 410 - Confederation Square
20 Richmond Street East
Toronto, Ontario
M5C 2R9

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) geological, geophysical, geochemical
Township or Area Lawrence Lake - Rowan Lake
Claim Holder(s) Dejour Mines Limited

Survey Company Derry, Michener, Booth & Wahl
Author of Report Steven S. McRoberts
Address of Author 20 Richmond St. E., Suite 410, Toronto
Covering Dates of Survey May 1st, 1984 - December 31st, 1984
(linecutting to office)
Total Miles of Line Cut 60 miles (96 km)

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)

See Attached

If space insufficient, attach list

TOTAL CLAIMS 56

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
--Electromagnetic	
--Magnetometer	
--Radiometric	
--Other IP	20
Geological	40
Geochemical	20

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: April 10, 1985 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy – Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

_____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

_____

Base station value and location _____

_____

Elevation accuracy _____

INDUCED POLARIZATION RESISTIVITY

Instrument _____

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time _____ Frequency 0.3 and 5 Hz

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power Motor Generator

Electrode array Dipole - Dipole

Electrode spacing 100 m and 50 m

Type of electrode porous pots

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken: all 56 claims (See Table 1)

Total Number of Samples: 2,933 Au and As analyses*

Type of Sample: humus, soil and rock
(Nature of Material)

Average Sample Weight: 12 oz.

Method of Collection: grub hoe (humus & soil)
grab and channel sampling (rock)

Soil Horizon Sampled: Ao, B

Horizon Development: generally good

Sample Depth: 1 - 1½ ft.

Terrain: hilly, swampy

Drainage Development: moderate

Estimated Range of Overburden Thickness: 0 - 15 ft.

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis: -50, -80, -200

General: * - 180 rock samples, 1,316 soil samples and 220 humus samples.

ANALYTICAL METHODS

Values expressed in: per cent ☐ p. p. m. ☒ p. p. b. ☒

Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)

Others: Au, As

Field Analysis (_____ tests)

Extraction Method

Analytical Method

Reagents Used

Field Laboratory Analysis

No. (_____ tests)

Extraction Method

Analytical Method

Reagents Used

Commercial Laboratory (_____ tests)

Name of Laboratory: Bondar-Clegg & Co.Ltd.

Extraction Method: Perchloric Acid & Aqua Regia

Analytical Method: Fire Assay - Carbon Rod AA Colorimetric

Reagents Used: Aqua-Regia - Au
Perchloric Acid - As

General

DERRY, MICHENER, BOOTH & WAHL
CONSULTING GEOLOGISTS AND ENGINEERS

SUITE 410 - CONFEDERATION SQUARE
20 RICHMOND STREET EAST
TORONTO, CANADA M5C 2R9
TELEPHONE: (416) 368-4636
TELEX: 06-23686
TELECOPIER: (416) 367-3347

April 10, 1985

Mr. F.W. Matthews
Land Management Branch
Ministry of Natural Resources
Whitney Block, Room 6610
Queen's Park
Toronto, Ontario M7A 1W3

Dear Mr. Matthews:

Re: Dejour Mines Limited
Rowan Lake Property

Enclosed are two (2) copies of an assessment report and one copy of the technical data statement covering additional work conducted on the property during 1984. Receipts (two copies) for the geochemical costs have also been included.

Additional assessment filing will be made at a later date for the trenching and diamond drilling phases of the 1984 exploration program and reference will be made to these reports.

The claims (see attached list) are in good standing until June 13-14, 1985.

Should there be any questions regarding this matter please do not hesitate to contact me.

Yours very truly,

DERRY, MICHENER, BOOTH & WAHL

Steven S. McRoberts

SSM:smm
Enclosures

DEJOUR MINES LIMITED

ROWAN LAKE CLAIMS

Claim No.	Claim No.
K-696726	K-765985
K-696727	K-765986
K-696728	K-765987
K-696729	K-765988
K-696730	K-765989
K-696731	K-765990
K-696732	K-765991
K-696733	K-765992
K-696734	K-765993
K-696735	K-765994
K-696736	K-765996
K-696738	K-765997
K-696739	K-765998
K-696740	K-765999
K-696741	K-766000
K-696742	K-772001
K-696743	K-772002
K-696744	K-772003
K-765975	K-772004
K-765976	K-772005
K-765977	K-772006
K-765978	K-772007
K-765979	K-772008
K-765980	K-772009
K-765981	K-772010
K-765982	K-772011
K-765983	K-772012
K-765984	K-772013

DEJOUR MINES LIMITED

Table 1

ROWAN LAKE CLAIMS

Claim No.	Expend. Days Cr.	Claim No.	Expend. Days Cr.
K-696726	15	K-765985	15
K-696727	15	K-765986	15
K-696728	15	K-765987	15
K-696729	15	K-765988	15
K-696730	15	K-765989	15
K-696731	15	K-765990	15
K-696732	15	K-765991	15
K-696733	15	K-765992	15
K-696734	15	K-765993	15
K-696735	15	K-765994	15
K-696736	15	K-765996	15
K-696738	15	K-765997	15
K-696739	15	K-765998	15
K-696740	15	K-765999	15
K-696741	15	K-766000	15
K-696742	15	K-772001	15
K-696743	15	K-772002	15
K-696744	15	K-772003	15
K-765975	15	K-772004	15
K-765976	15	K-772005	15
K-765977	15	K-772006	15
K-765978	15	K-772007	15
K-765979	15	K-772008	15
K-765980	15	K-772009	15
K-765981	15	K-772010	15
K-765982	15	K-772011	15
K-765983	15	K-772012	15
K-765984	15	K-772013	15

DEJOUR MINES LIMITED

Table 2

Claims Covered or Partially Covered by Geochemical Survey

K-696736
K-696744
K-765932
K-765933
K-765934
K-765935
K-765977
K-765978
K-765979
K-765980
K-765981
K-765982
K-765983
K-765986
K-765987
K-765988
K-765989
K-765996
K-765999
K-772001
K-772002
K-772003
K-772004
K-772005
K-772007
K-772010
K-772011
K-772012

Total Number of Claims - 28

DEJOUR MINES LIMITED

Summary of Analytical Costs

Rowan Lake Project

Date	Amount
June 18, 1984	$ 944.55
June 19, 1984	$ 1,767.40
June 20, 1984	$ 902.00
June 25, 1984	$ 4,430.40
June 27, 1984	$ 7.30
June 27, 1984	$ 451.80
July 9, 1984	$ 199.50
July 12, 1984	$ 1,015.00
July 18, 1984	$ 410.55
October 18, 1984	$ 252.00
October 22, 1984	$ 1,517.25
October 22, 1984	$ 303.45
October 25, 1984	$ (37.80)
TOTAL	$28,408.95

	geol	chem	IP		geol	chem	IP
696 726	✓	3/4	✓	? 765 996	2/4	∅	∅
727	✓	X	✓	997	✓	X	∅
728	2/4 ic	X	∅	998	✓	X	∅
729	✓	X	✓	999	✓	3/4	✓
730	✓	X	∅	766 000	✓	∅	✓
731	✓	X	✓	772 001	✓	1/4	✓
732	✓	3/4	✓	002	✓	1/4	✓
733	✓	✓	✓	003	✓	1/4	✓
734	✓	1/4	✓	004	1/4	2/4	✓
735	✓	1/4	✓	005	1/4	2/4	∅
736	2/4	3/4	✓	006	✓	∅	∅
738	2/4	∅	✓	007	1/4	3/4	∅
739	✓	X	∅	008	1/4	X	∅
740	2/4 ic	X	∅	009	✓	3/4	✓
741	2/4 ic	X	∅	010	✓	✓	✓
742	1/4	X	∅	011	✓	1/4	✓
743	✓	∅	∅	012	✓	3/4	✓
744	2/4	2/4	✓	013	1/4	X	∅
765 975	2/4 ic	X	∅		6.75	13	✓
? 976	3/4 ✓	X	∅		56 claims	28 claims	32 claim
977	✓	2/4	∅		35 days	13 days	19.25
978	✓	1/4	✓				
979	1/4	2/4	✓				
980	✓	2/4	✓				
981	✓	1/4	✓				
982	✓	2/4	✓				
983	✓	3/4	∅				
984	✓	X	∅				
985	2/4	∅	∅				
986	✓	2/4	✓				
987	✓	2/4	✓				
988	✓	2/4	✓				
989	✓	∅	✓				
990	✓	X	✓				
991	✓	X	✓				
992	2/4	X	∅				
993	✓	X	∅				
994	✓	X	∅				

geol claims with notation i.c. mean cutback for IP or little line cutting

TRIM LINE

ATIKWA LAKE (GRAPNEL BAY) M.2629

DOGPAW LAKE M.2585

LAWRENCE LAKE M.2579

BROOKS LAKE M.2473

93°45' 93°30' 49°22'30" 49°15'

AREA OF

ROWAN LAKE

DISTRICT OF KENORA

KENORA MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

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

NOTES

400' Surface Rights Reservation along the shores of all lakes and rivers.

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. MINING RIGHTS ONLY

S.R.O. SURFACE RIGHTS ONLY

M.R.S. MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
N. SEC 36/80	W 16/83	28/6/83	M & S	186521

NATIONAL TOPOGRAPHIC SERIES 52 F 5

PLAN NO. M.2580

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

493933

2.7987

M-2580

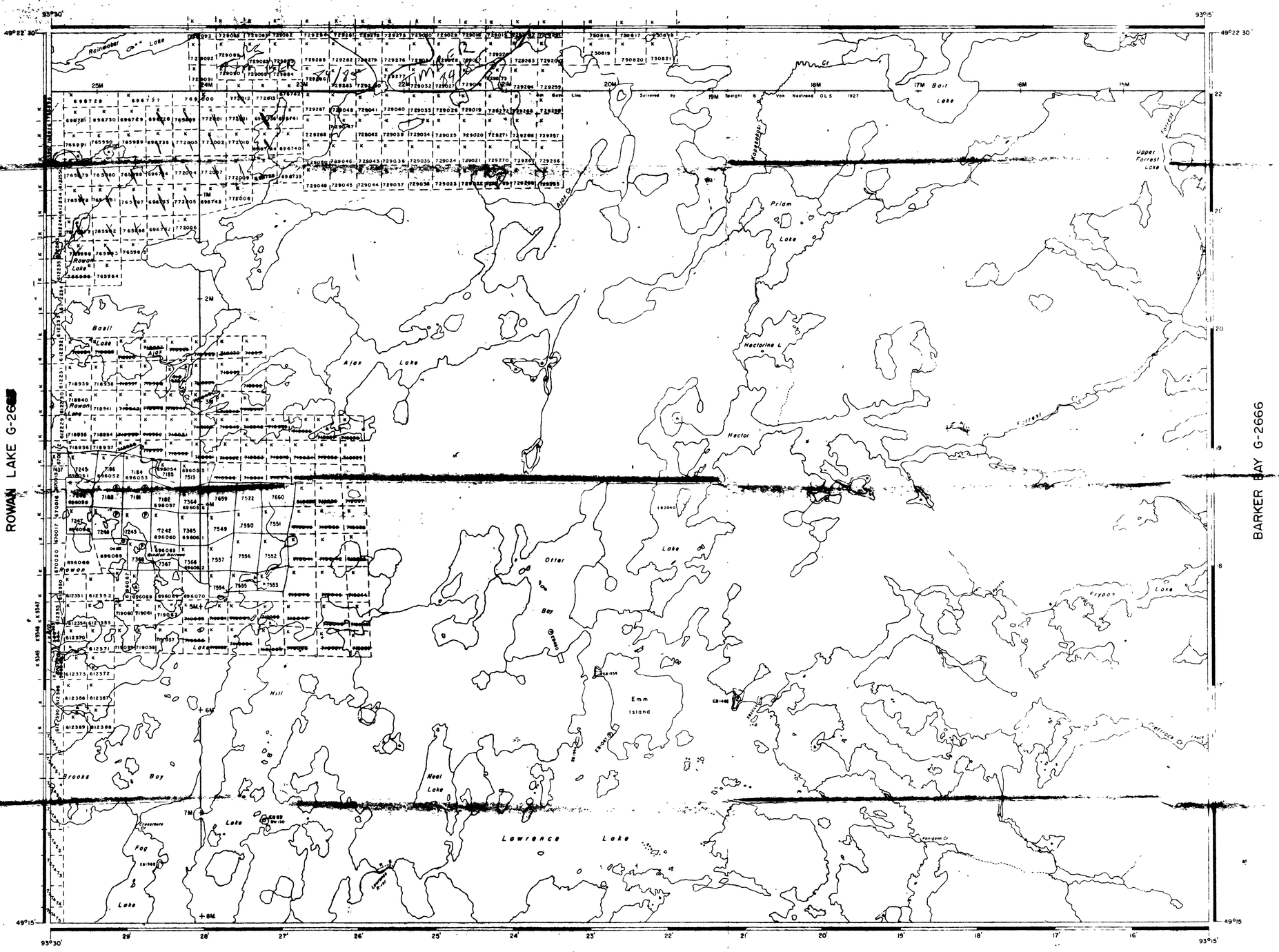
TRIM LINE

G-2681

G-2681

ROWAN LAKE G-2667

BARKER BAY G-2666



LEGEND

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

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O MINING RIGHTS ONLY

S.R.O SURFACE RIGHTS ONLY

M+S. MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

May 27/85

Effective as shown

SCALE 1 INCH = 40 CHAINS

FEET 0 500 1000 2000 4000 6000 8000

METRES 0 500 1000 2000

1 K.M. 2 K.M.

AREA

LAWRENCE LAKE

M.N.R. ADMINISTRATIVE DISTRICT

FORT FRANCES

MINING DIVISION

KENORA

LAND TITLES / REGISTRY DIVISION

KENORA

Ministry of Natural Resources — Land Management Branch

Ontario

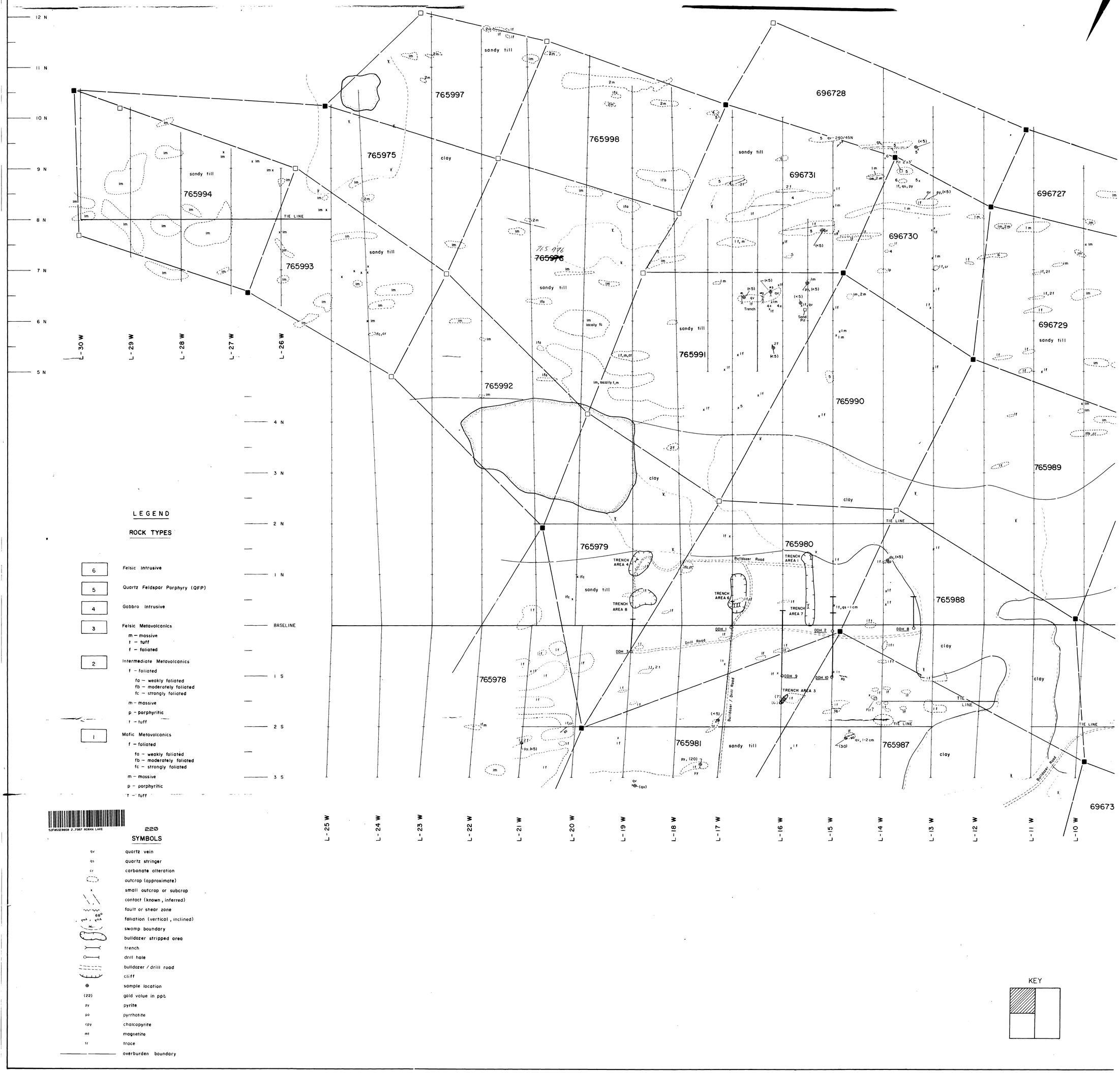
Date	Number
FEBRUARY, 1984	G-2681
M-2579	

493932

2.7987

G-2681

G-2681



LEGEND

ROCK TYPES

6 — Felsic Intrusive

5 — Quartz Feldspar Porphyry (QFP)

4 — Gabbro Intrusive

3 — Felsic Metavolcanics
- m — massive
- t — tuff
- f — foliated

2 — Intermediate Metavolcanics
- f — foliated
  - fa — weakly foliated
  - fb — moderately foliated
  - fc — strongly foliated
- m — massive
- p — porphyritic
- t — tuff

1 — Mafic Metavolcanics
- f — foliated
  - fa — weakly foliated
  - fb — moderately foliated
  - fc — strongly foliated
- m — massive
- p — porphyritic
- t — tuff

SYMBOLS

qv	quartz vein
qs	quartz stringer
cr	carbonate alteration
	outcrop (approximate)
x	small outcrop or subcrop
	contact (known, inferred)
	fault or shear zone
66°	foliation (vertical, inclined)
	swamp boundary
	bulldozer stripped area
	trench
	drill hole
	bulldozer / drill road
	cliff
⊕	sample location
(22)	gold value in ppb
py	pyrite
po	pyrrhotite
cpy	chalcopyrite
mt	magnetite
tr	trace
	overburden boundary

KEY

696728

696731

696727

696730

696729

sandy till

765991

765990

765989

clay

765980

TRENCH AREA 1

Bulldozer Road

TRENCH AREA 6

TRENCH AREA 7

765988

DDH 1

DDH 2

DDH 8

Drill Road

DDH 9

DDH 10

TRENCH AREA 3

Bulldozer / Drill Road

TIE LINE

765981

765987

696735

DDH 7

696734

696733

L-17 W

L-16 W

L-15 W

L-14 W

L-13 W

L-12 W

L-11 W

L-10 W

L-9 W

L-8 W

L-7 W

KEY

SCALE

METRES

NOVA-CO EXPLORATION LTD.

DEJOUR MINES LTD.

DISTRICT OF KENORA

ROWAN LAKE PROJECT

GEOLOGY

(NORTHWEST SHEET)

DERRY, MICHENER, BOOTH & WAHL

SURVEY BY: S. McROBERTS

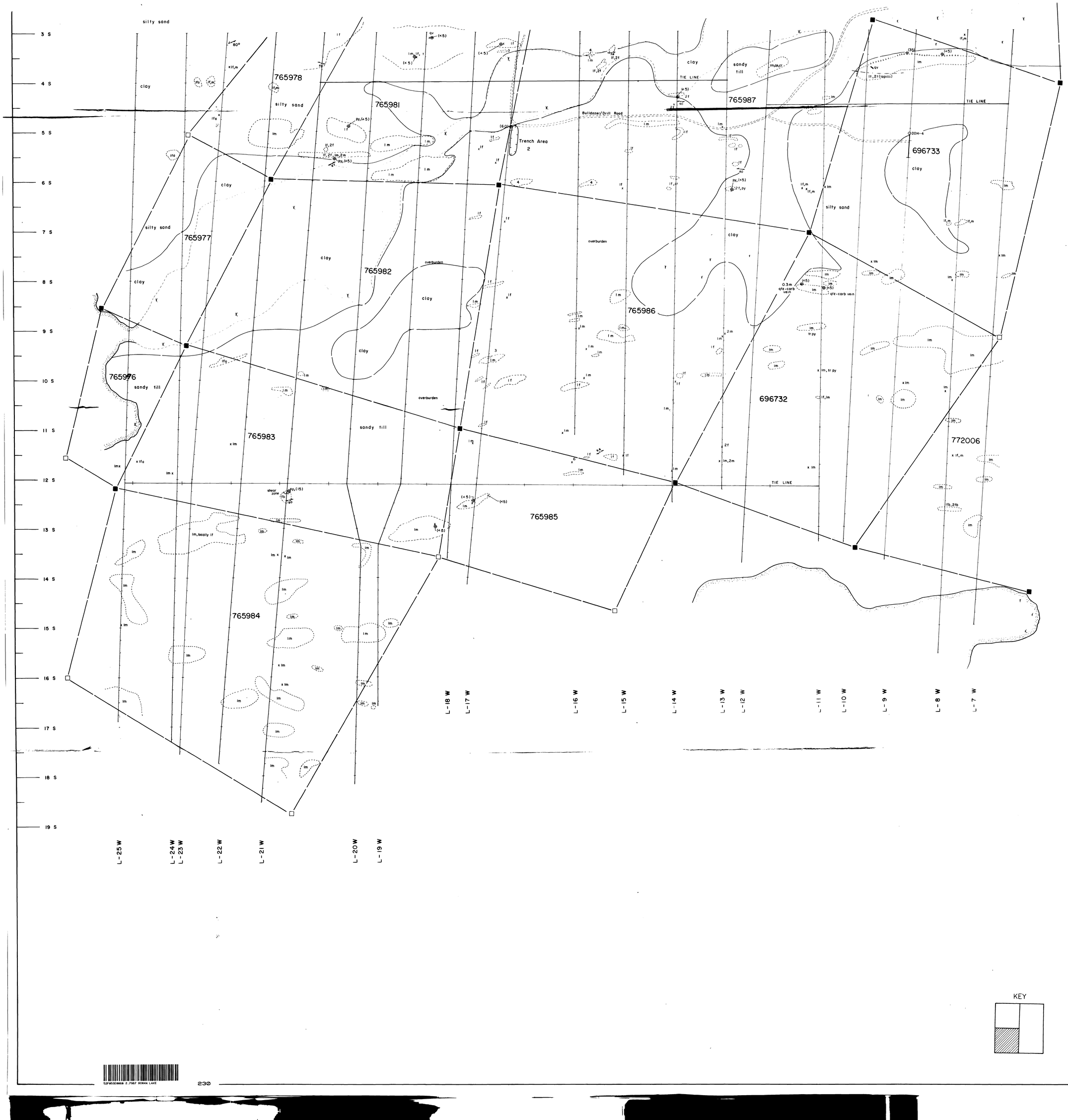
DRAWN BY: T. GRACE

APPROVED BY: I.S. THOMPSON

N.T.S. 52-F/5,F/6

DATE: MARCH, 1984

DWG. No. 84-64-1


3 S
4 S
5 S
6 S
7 S
8 S
9 S
10 S
11 S
12 S
13 S
14 S
15 S
16 S
17 S
18 S
19 S
L-25 W
L-24 W
L-23 W
L-22 W
L-21 W
L-20 W
L-19 W
L-18 W
L-17 W
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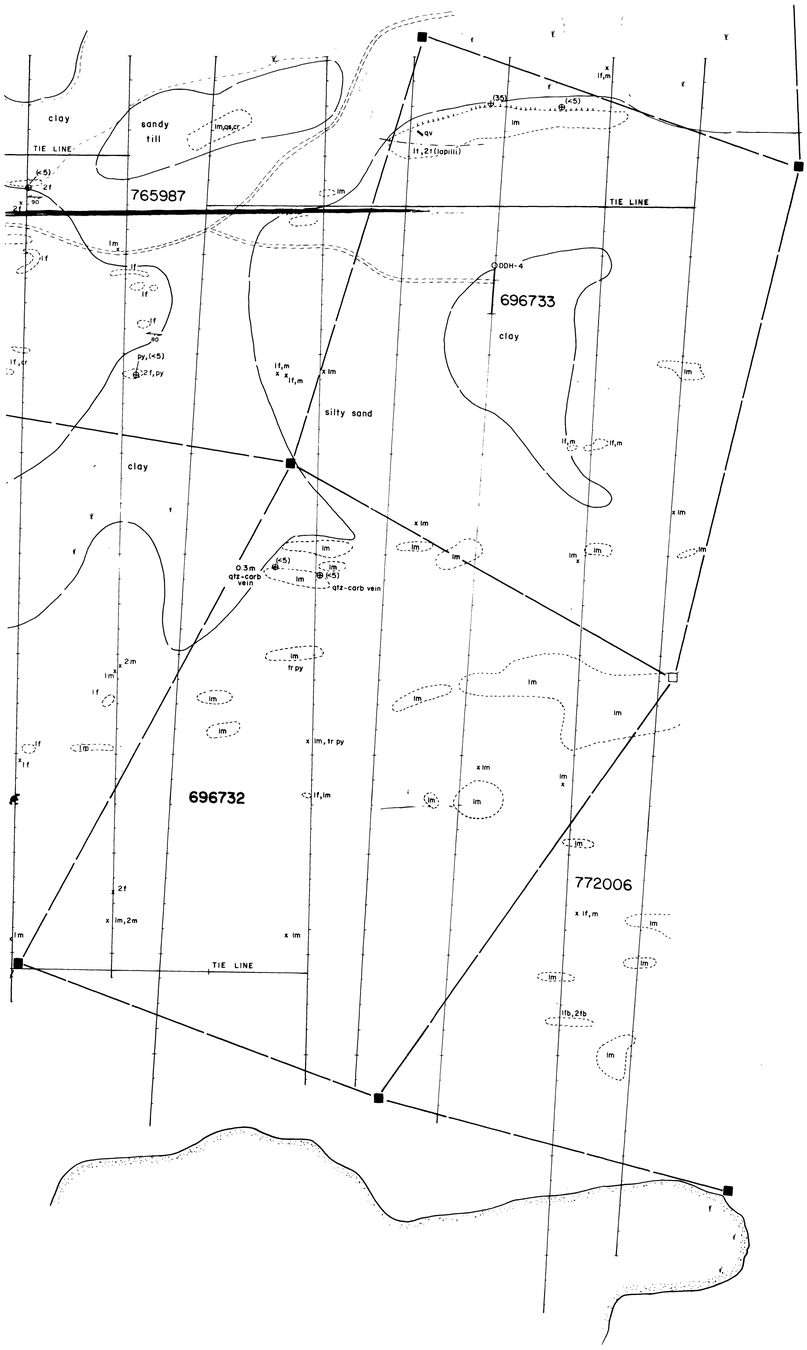
L-10 W
L-9 W
L-8 W
L-7 W
765978
765981
765987
765977
765982
765986
765976
765983
765985
765984
696733
696732
772006
Trench Area 2
Bulldozer/Drill Road
TIE LINE
TIE LINE
TIE LINE
DDH-4
silty sand
clay
sandy till
overburden
0.3m qtz-carb vein
qtz-carb vein
shear zone
lm, locally lf
KEY



LEGEND

ROCK TYPES

- 6 — Felsic Intrusive
- 5 — Quartz Feldspar Porphyry (QFP)
- 4 — Gabbro Intrusive
- 3 — Felsic Metavolcanics
  - m — massive
  - t — tuff
  - f — foliated
- 2 — Intermediate Metavolcanics
  - f — foliated
    - fa — weakly foliated
    - fb — moderately foliated
    - fc — strongly foliated
  - m — massive
  - p — porphyritic
  - t — tuff
- 1 — Mafic Metavolcanics
  - f — foliated
    - fa — weakly foliated
    - fb — moderately foliated
    - fc — strongly foliated
  - m — massive
  - p — porphyritic
  - t — tuff

SYMBOLS

qv	quartz vein
qs	quartz stringer
cr	carbonate alteration
	outcrop (approximate)
x	small outcrop or subcrop
	contact (known, inferred)
	fault or shear zone
65°	foliation (vertical, inclined)
	swamp boundary
	bulldozer stripped area
	trench
	drill hole
	bulldozer / drill road
	cliff
⊕	sample location
(22)	gold value in ppb
py	pyrite
po	pyrrhotite
cpy	chalcopyrite
mt	magnetite
tr	trace
	overburden boundary

SCALE
0 100 200 300
METRES

KEY

NOVA-CO EXPLORATION LTD.
DEJOUR MINES LTD.

DISTRICT OF KENORA
ROWAN LAKE PROJECT

GEOLOGY
(SOUTHWEST SHEET)

DERRY, MICHENER, BOOTH & WAHL

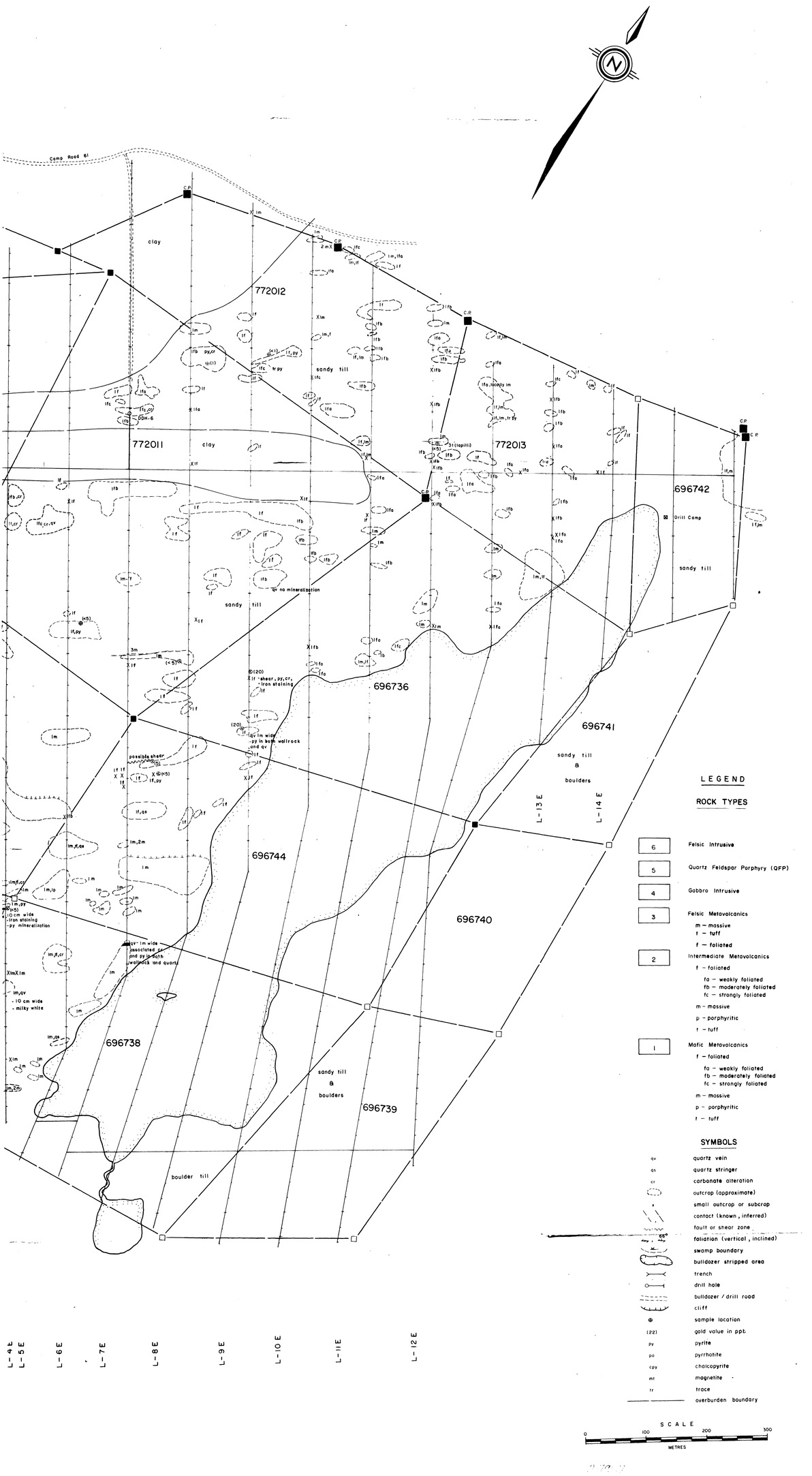
SURVEY BY: S. McROBERTS
DRAWN BY: T. GRACE
APPROVED BY: I.S. THOMPSON
N.T.S.: 52-P/5, P/6
DATE: MARCH, 1984
DWG. No.: 84-64-2

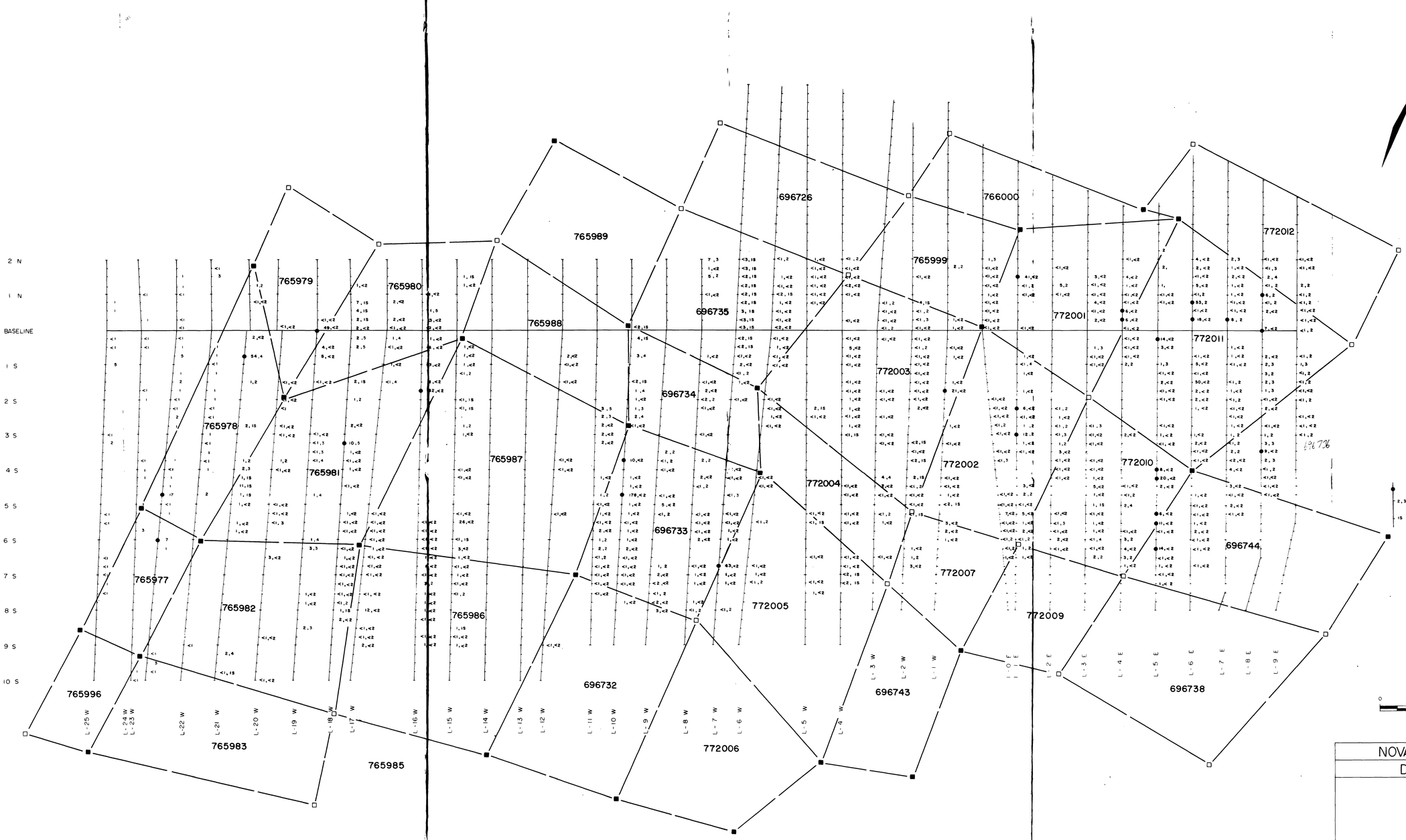
BASELINE

9 N
8 N
7 N
6 N
5 N
4 N
3 N
2 N
1 N
1 S
2 S
3 S
4 S
5 S
6 S
7 S
8 S
9 S
10 S
11 S
12 S
13 S
14 S
15 S

L-5W L-4W L-3W L-2W L-1W L-0E L-1E L-2E L-3E L-4E L-5E L-6E L-7E L-8E L-9E L-10E L-11E L-12E

Drill Road
Great Lakes Forest Products
Camp Road 61
Bulldozer
C.P.
Trench Area 5
Note: 8 other grab samples taken range from <5 to 70ppb Au
DDH-6
DDH-7
locally foliated
boulder till granitic
clay
sandy till
boulder debris
boulder till
sheared
chert unit
feldspar phenocrysts
-iron staining -no py
sericite schist wallrock
huge erratic
calcite phenocrysts
1m wide shear zone
minor carbonate and quartz
talus
possible shear
-shear, py, cr, -iron staining
-qv 1m wide -py in both wallrock and qv
qv no mineralization
-qv 1m wide associated cp and py in both wallrock and quartz
qv - 10 cm wide - milky white
sandy till a boulders
696726
696735
696736
696738
696739
696740
696743
696744
765999
766000
772001
772002
772003
772004
772005
772006
772007
772008
772009
772010
772011
772012
772013
KEY
240


Camp Road 61
C.P.
clay
772012
772011
772013
sandy till
696742
Drill Camp
696736
696741
sandy till & boulders
696744
696740
696738
696739
boulder till
L-4E
L-5E
L-6E
L-7E
L-8E
L-9E
L-10E
L-11E
L-12E
L-13E
L-14E
DDH-6
qv no mineralization
possible shear
LEGEND
ROCK TYPES
6 Felsic Intrusive
5 Quartz Feldspar Porphyry (QFP)
4 Gabbro Intrusive
3 Felsic Metavolcanics
m – massive
t – tuff
f – foliated
2 Intermediate Metavolcanics
f – foliated
fa – weakly foliated
fb – moderately foliated
fc – strongly foliated
m – massive
p – porphyritic
t – tuff
1 Mafic Metavolcanics
f – foliated
fa – weakly foliated
fb – moderately foliated
fc – strongly foliated
m – massive
p – porphyritic
t – tuff
SYMBOLS
qv quartz vein
qs quartz stringer
cr carbonate alteration
outcrop (approximate)
small outcrop or subcrop
contact (known, inferred)
fault or shear zone
foliation (vertical, inclined)
swamp boundary
bulldozer stripped area
trench
drill hole
bulldozer / drill road
cliff
sample location
(22) gold value in ppb
py pyrite
po pyrrhotite
cpy chalcopyrite
mt magnetite
tr trace
overburden boundary
SCALE
0 100 200 300
METRES
KEY
NOVA-CO EXPLORATION LTD.
DEJOUR MINES LTD.
DISTRICT OF KENORA
ROWAN LAKE PROJECT
GEOLOGY
(NORTHEAST – SOUTHEAST SHEET)
DERRY, MICHENER, BOOTH & WAHL
SURVEY BY: S. McROBERTS
DRAWN BY: L. FORSYTHE
APPROVED: I.S. THOMPSON
N.T.S. 52-F/5, F/6
DATE: DECEMBER, 19
DWG. No. 84-64-



LEGEND

Au value >5ppb

2,3 Au in ppb, As in ppm

15 insufficient Sample

SCALE

0 200 400 600

METRES

NOVA-CO EXPLORATION LTD.

DEJOUR MINES LTD.

DISTRICT OF KENORA

ROWAN LAKE PROJECT

GEOCHEMICAL SURVEY (SOILS)

SURVEY BY: S McROBERTS

DRAWN BY: L COLLINS

APPROVED BY: I.S THOMPSON

NTS: 52-F/5, F/6

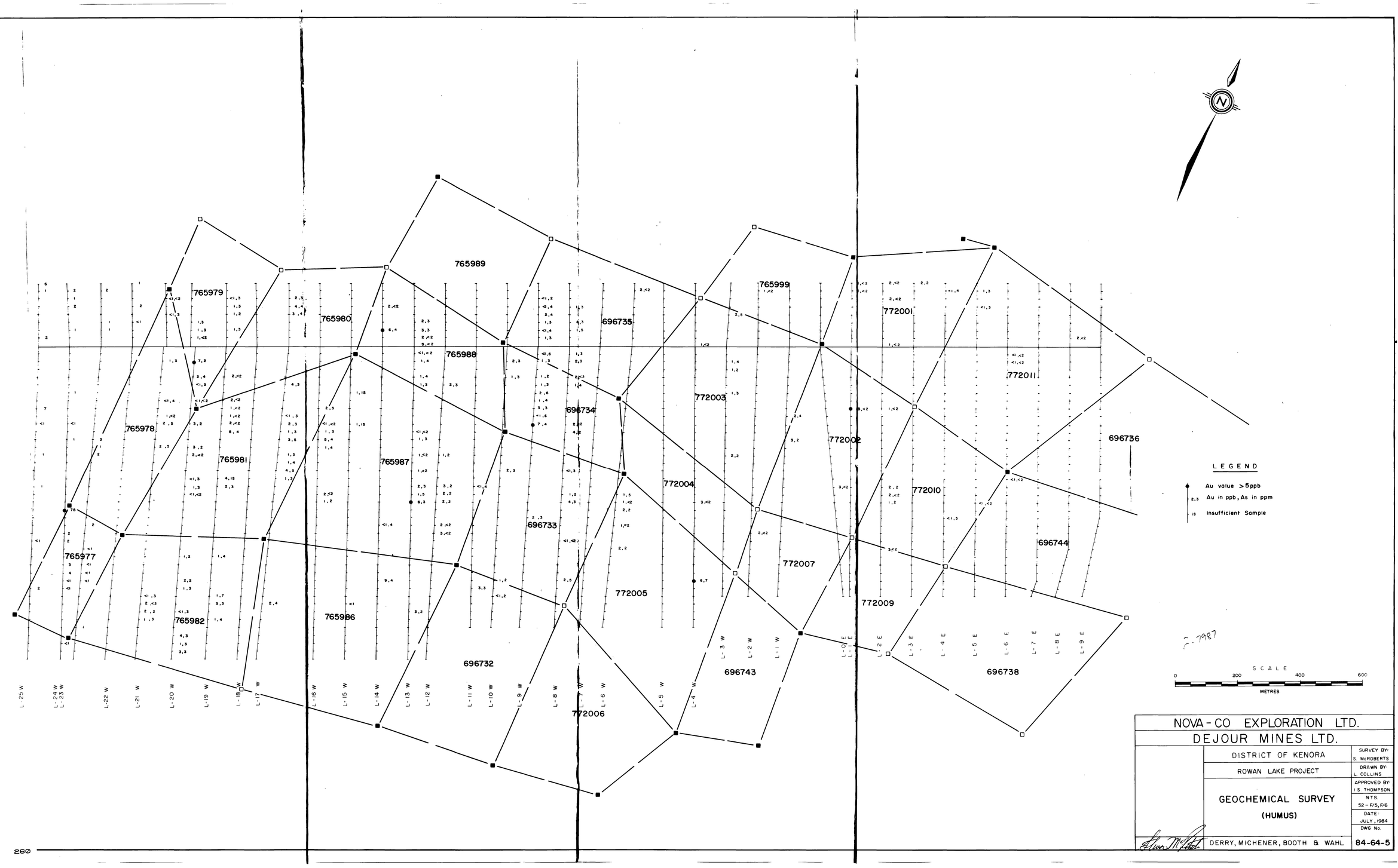
DATE: JULY, 1984

DWG No: 84-64-4

DERRY, MICHENER, BOOTH & WAHL

52F05SE0068 2.7987 ROWAN LAKE

250



LEGEND

- Au value > 5ppb
- 2,3 Au in ppb, As in ppm
- 1s Insufficient Sample

SCALE

0 200 400 600

METRES

NOVA-CO EXPLORATION LTD.

DEJOUR MINES LTD.

DISTRICT OF KENORA

ROWAN LAKE PROJECT

GEOCHEMICAL SURVEY

(HUMUS)

DERRY, MICHENER, BOOTH & WAHL

SURVEY BY: S. McROBERTS

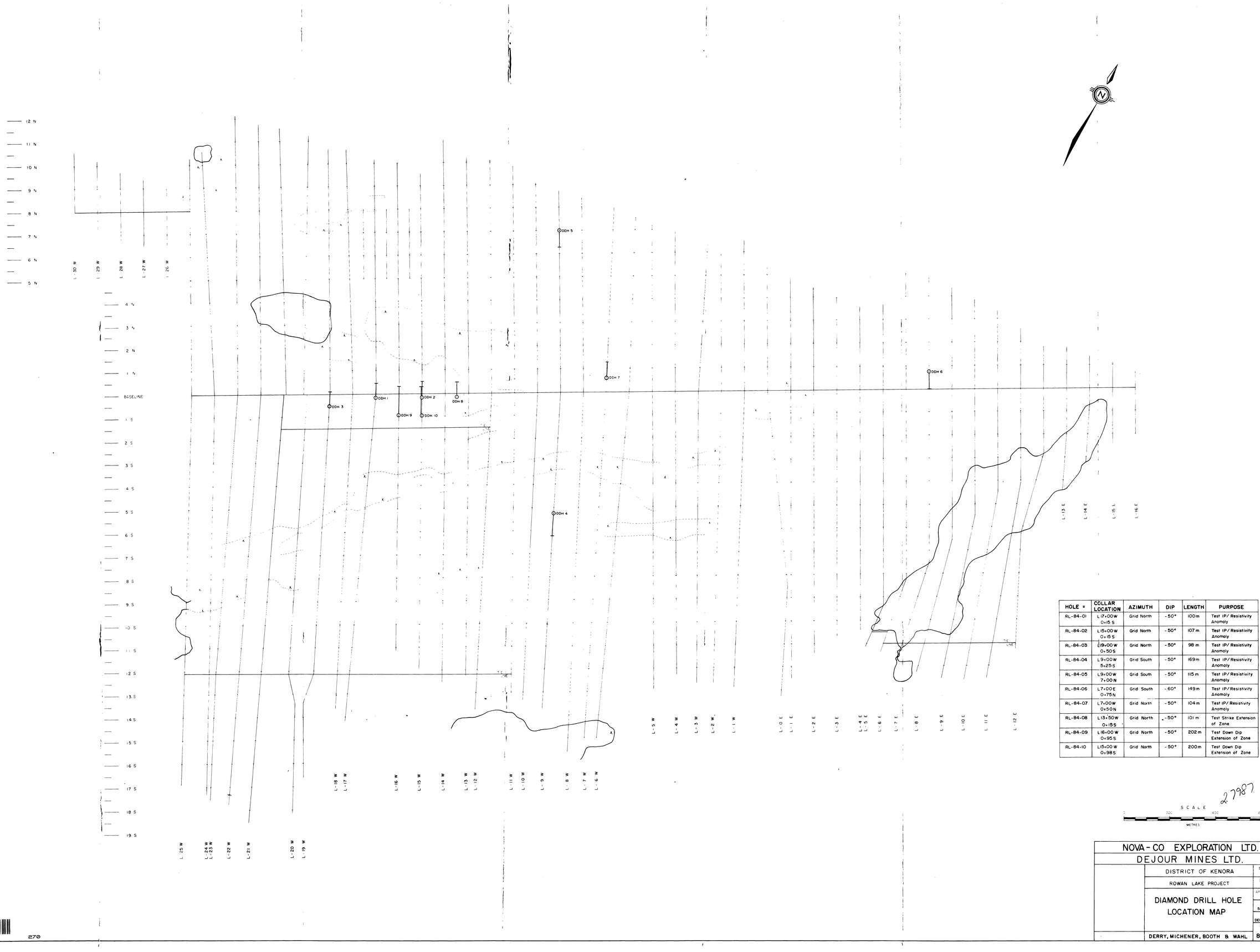
DRAWN BY: L. COLLINS

APPROVED BY: I.S. THOMPSON

N.T.S. 52-F/5, F/6

DATE: JULY, 1984

DWG No. 84-64-5



HOLE #	COLLAR LOCATION	AZIMUTH	DIP	LENGTH	PURPOSE
RL-84-01	L17+00W 0+15 S	Grid North	-50°	100m	Test IP/ Resistivity Anomaly
RL-84-02	L15+00W 0+15 S	Grid North	-50°	107m	Test IP/ Resistivity Anomaly
RL-84-03	L19+00W 0+50S	Grid North	-50°	98 m	Test IP/ Resistivity Anomaly
RL-84-04	L9+00W 5+25 S	Grid South	-50°	169m	Test IP/ Resistivity Anomaly
RL-84-05	L9+00W 7+00 N	Grid South	-50°	115m	Test IP/ Resistivity Anomaly
RL-84-06	L7+00E 0+75N	Grid South	-60°	149m	Test IP/ Resistivity Anomaly
RL-84-07	L7+00W 0+50 N	Grid North	-50°	104m	Test IP/ Resistivity Anomaly
RL-84-08	L13+50W 0+15S	Grid North	-50°	101m	Test Strike Extension of Zone
RL-84-09	L16+00W 0+95 S	Grid North	-50°	202m	Test Down Dip Extension of Zone
RL-84-10	L15+00W 0+98S	Grid North	-50°	200m	Test Down Dip Extension of Zone

2 7987.

SCALE
0 200 400 600
METRES

NOVA - CO EXPLORATION LTD.
DEJOUR MINES LTD.

DISTRICT OF KENORA
ROWAN LAKE PROJECT
DIAMOND DRILL HOLE LOCATION MAP
DERRY, MICHENER, BOOTH & WAHL

SURVEY BY: DMBW
DRAWN BY: L COLLINS
APPROVED BY:
N.T.S.: 52 - F/5, F/6
DATE: DECEMBER, 1984
DWG NO: 84-64-F

00+20S

BASELINE

00+20N

00+40N

00+60N

00+80N

380

360

340

320

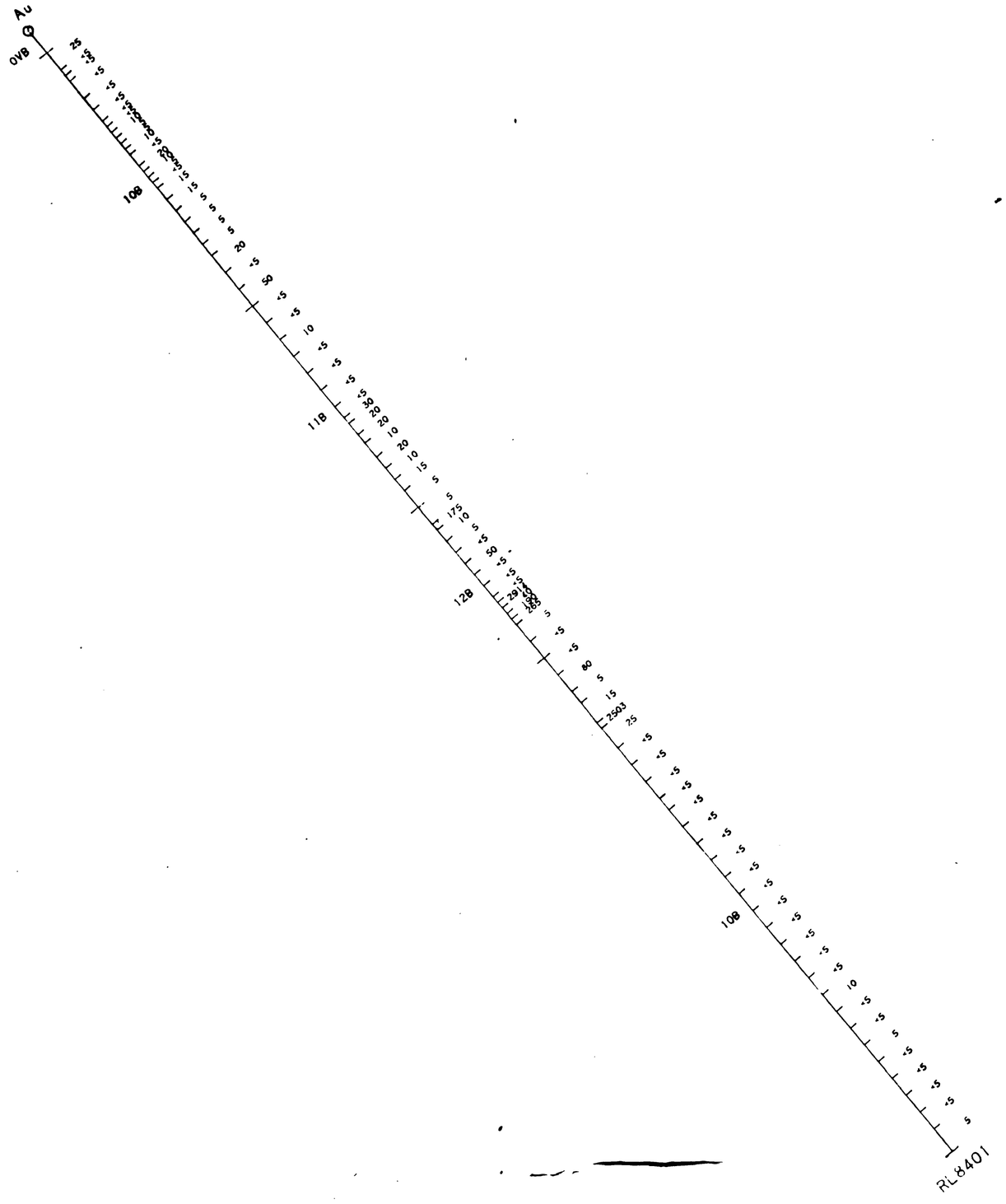
300

280

260

240

Au (ppb)



ALTERATION/STRUCTURE LEGEND

OVB OVERBURDEN

1A MASSIVE MAFIC METAVOLCANICS
- 10A Weakly Altered
- 11A Moderately Altered
- 12A Strongly Altered

1B FOLIATED MAFIC METAVOLCANICS
- 10B Weakly Altered
- 11B Moderately Altered
- 12B Strongly Altered

1C PORPHYRITIC MAFIC METAVOLCANICS
- 10C Weakly Altered
- 11C Moderately Altered
- 12C Strongly Altered

2.7987

SCALE 1:250

5 0 5 10 15 20

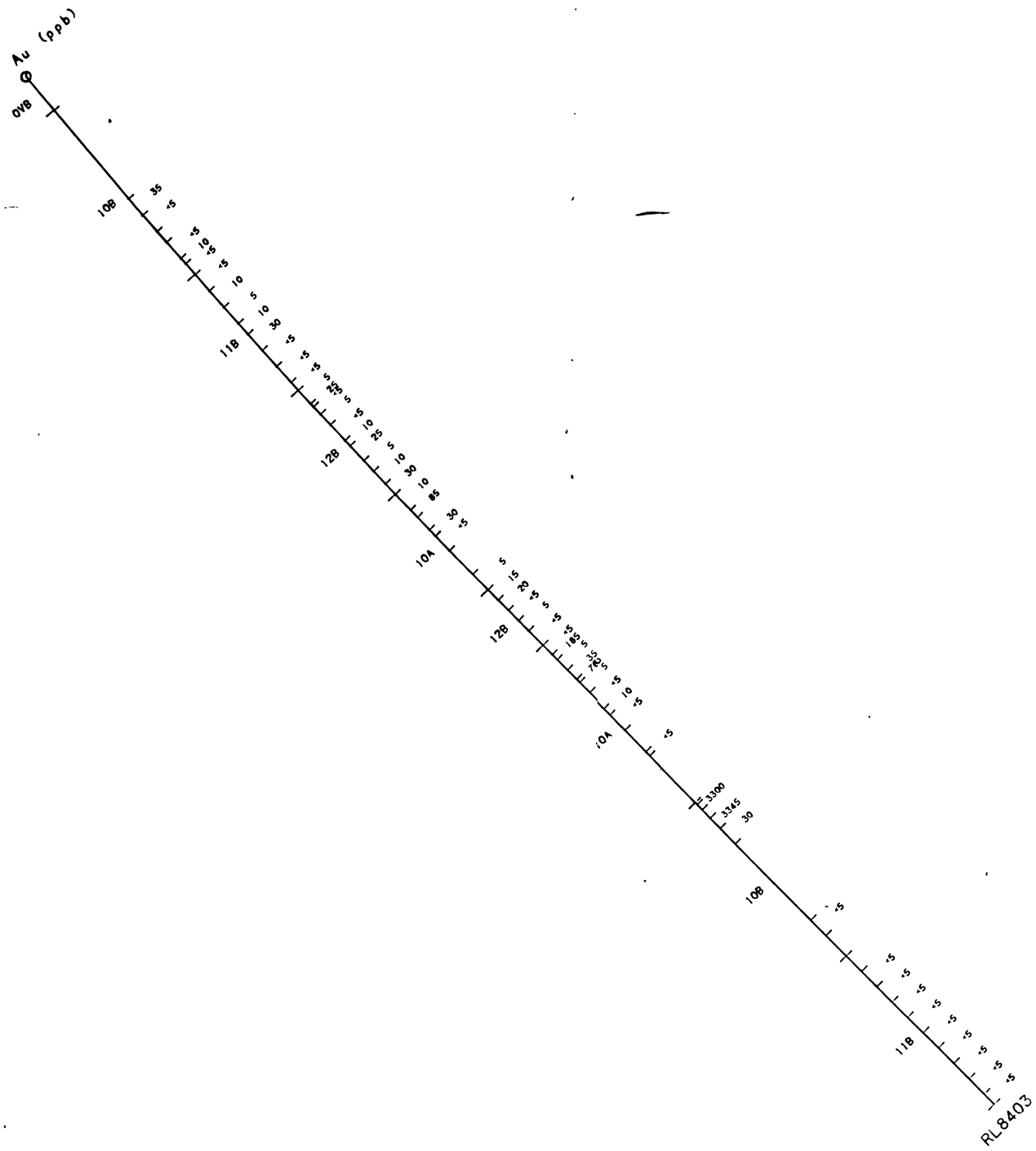
METRES

DEJOUR, NOVA-CO, BRINCO JV

	ROWAN LAKE PROJECT	SURVEY BY: SSN
	DRILL HOLE RL-84-1	DRAWN BY MDI
	SECTION 17+00 WEST (LOOKING WEST)	APPROVED BY: IST
		N.T.S. 52F/6
		DATE DEC 31/84
	DERRY, MICHENER, BOOTH & WAHL	DWG NO 84-64-7

00+40S | 00+20S | BASELINE | 00+20N | 00+40N | 00+60N

380 | 360 | 340 | 320 | 300 | 280 | 260 | 240



ALTERATION/STRUCTURE LEGEND

OVB OVERBURDEN

1A MASSIVE MAFIC METAVOLCANICS
- 10A Weakly Altered
- 11A Moderately Altered
- 12A Strongly Altered

1B FOLIATED MAFIC METAVOLCANICS
- 10B Weakly Altered
- 11B Moderately Altered
- 12B Strongly Altered

1C PORPHYRITIC MAFIC METAVOLCANICS
- 10C Weakly Altered
- 11C Moderately Altered
- 12C Strongly Altered

2.7987

SCALE 1:250

5 0 5 10 15 20

METRES

DEJOUR, NOVA-CO, BRINCO JV

	ROWAN LAKE PROJECT	SURVEY BY: SSM
	DRILL HOLE RL-84-3	DRAWN BY MDI
	SECTION 19+00 WEST (LOOKING WEST)	APPROVED BY: IST
		N.T.S. 52F/6
		DATE DEC 31/84
	DERRY, MICHENER, BOOTH & WAHL	DWG NO 84-64-9

00+40S | 00+20S | BASELINE | 00+20N

290

6+40S 6+20S 6+00S 5+80S 5+60S 5+40S 5+20S

380 360 340 320 300 280 260 240

Au (ppb)

OVB 1A 1C 12A 1A 10A 10B RL8404

ALTERATION/STRUCTURE LEGEND

OVB OVERBURDEN

1A MASSIVE MAFIC METAVOLCANICS
- 10A Weakly Altered
- 11A Moderately Altered
- 12A Strongly Altered

1B FOLIATED MAFIC METAVOLCANICS
- 10B Weakly Altered
- 11B Moderately Altered
- 12B Strongly Altered

1C PORPHYRITIC MAFIC METAVOLCANICS
- 10C Weakly Altered
- 11C Moderately Altered
- 12C Strongly Altered

27987

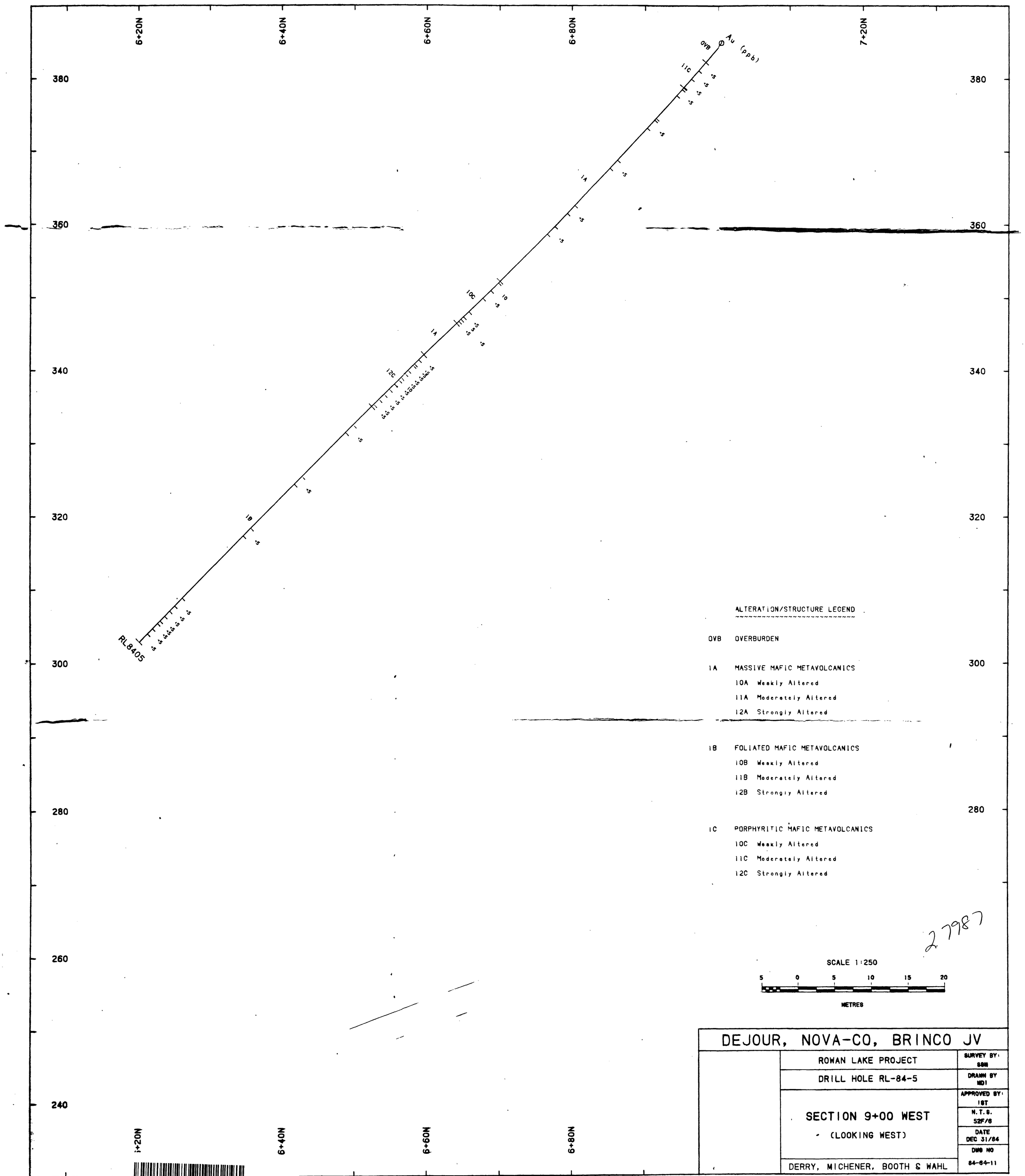
SCALE 1:250

5 0 5 10 15 20

METRES

DEJOUR, NOVA-CO, BRINCO JV

	ROWAN LAKE PROJECT	SURVEY BY: SBM
	DRILL HOLE RL-84-4	DRAWN BY MDI
	SECTION 9+00 WEST (LOOKING WEST)	APPROVED BY: IST
		N.T.S. 52F/6
		DATE DEC 31/84
	DERRY, MICHENER, BOOTH & WAHL	DWG NO 84-64-10



ALTERATION/STRUCTURE LEGEND

OVB OVERBURDEN

1A MASSIVE MAFIC METAVOLCANICS
- 10A Weakly Altered
- 11A Moderately Altered
- 12A Strongly Altered

1B FOLIATED MAFIC METAVOLCANICS
- 10B Weakly Altered
- 11B Moderately Altered
- 12B Strongly Altered

1C PORPHYRITIC MAFIC METAVOLCANICS
- 10C Weakly Altered
- 11C Moderately Altered
- 12C Strongly Altered

2.7987

SCALE 1:250

5 0 5 10 15 20

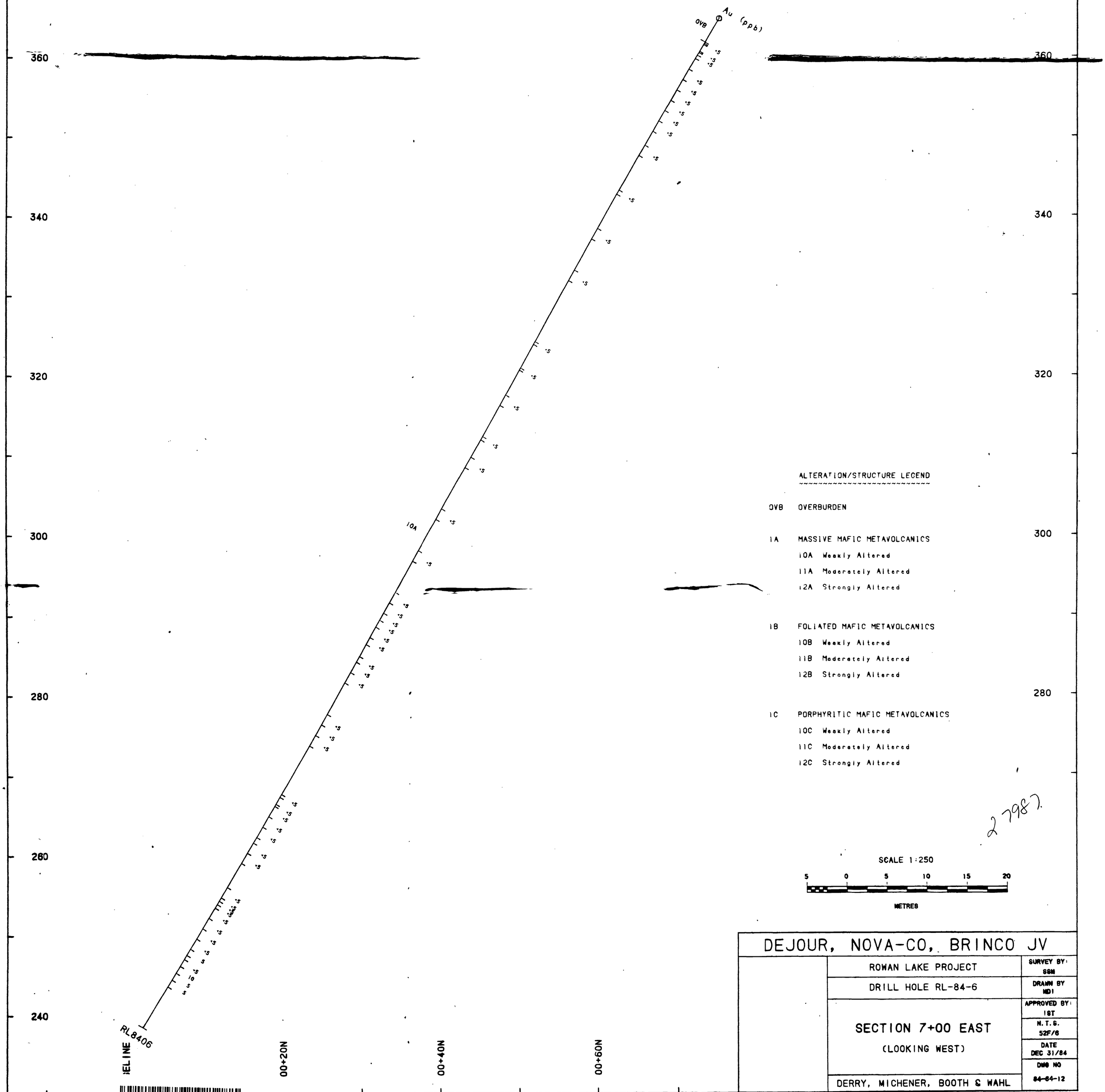
METRES

DEJOUR, NOVA-CO, BRINCO JV

ROWAN LAKE PROJECT	SURVEY BY: SBH
DRILL HOLE RL-84-5	DRAWN BY MDI
SECTION 9+00 WEST (LOOKING WEST)	APPROVED BY: IST
	N.T.S. 52F/6
	DATE DEC 31/84
DERRY, MICHENER, BOOTH & WAHL	DWG NO 84-64-11

BASELINE 00+20N 00+40N 00+60N 00+80N 1+00N

380 360 340 320 300 280 260 240



ALTERATION/STRUCTURE LEGEND

OVB OVERBURDEN

1A MASSIVE MAFIC METAVOLCANICS
- 10A Weakly Altered
- 11A Moderately Altered
- 12A Strongly Altered

1B FOLIATED MAFIC METAVOLCANICS
- 10B Weakly Altered
- 11B Moderately Altered
- 12B Strongly Altered

1C PORPHYRITIC MAFIC METAVOLCANICS
- 10C Weakly Altered
- 11C Moderately Altered
- 12C Strongly Altered

2.7987

SCALE 1:250

5 0 5 10 15 20

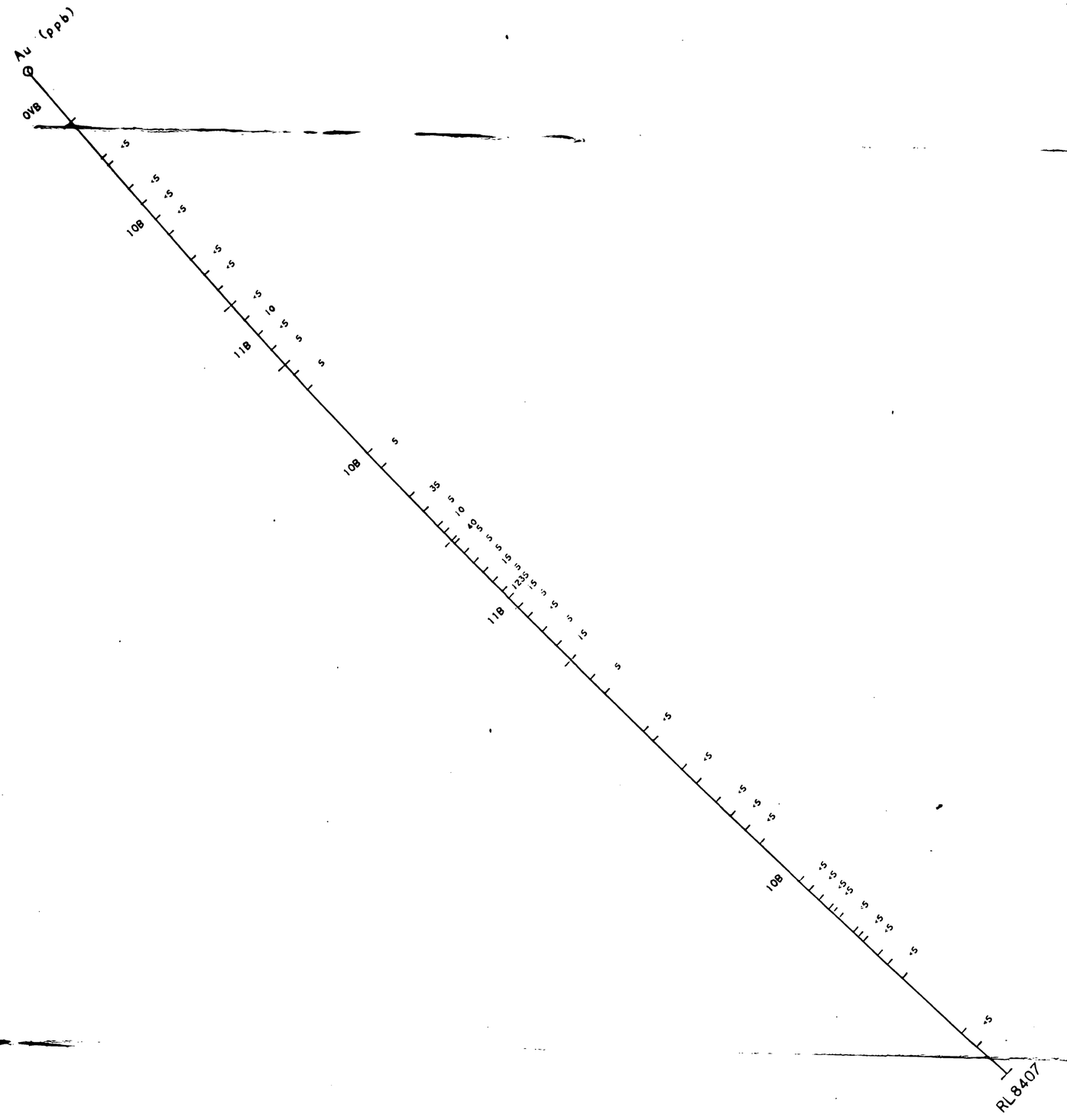
METRES

DEJOUR, NOVA-CO, BRINCO JV

	ROWAN LAKE PROJECT	SURVEY BY: SSM
	DRILL HOLE RL-84-6	DRAWN BY MDI
	SECTION 7+00 EAST (LOOKING WEST)	APPROVED BY: IST
		N.T.S. 52F/6
		DATE DEC 31/84
	DERRY, MICHENER, BOOTH & WAHL	DWG NO 84-64-12

00+60N 00+80N 1+00N 1+20N 1+40N 1+60N

380 360 340 320 300 280 260 240



ALTERATION/STRUCTURE LEGEND

OVB OVERBURDEN

1A MASSIVE MAFIC METAVOLCANICS
- 10A Weakly Altered
- 11A Moderately Altered
- 12A Strongly Altered

1B FOLIATED MAFIC METAVOLCANICS
- 10B Weakly Altered
- 11B Moderately Altered
- 12B Strongly Altered

1C PORPHYRITIC MAFIC METAVOLCANICS
- 10C Weakly Altered
- 11C Moderately Altered
- 12C Strongly Altered

2.7987

SCALE 1:250

5 0 5 10 15 20

METRES

DEJOUR, NOVA-CO, BRINCO JV

	ROWAN LAKE PROJECT	SURVEY BY: SBM
	DRILL HOLE RL-84-7	DRAWN BY MDI
	SECTION 7+00 WEST (LOOKING WEST)	APPROVED BY: IST
		N.T.S. 52F/6
		DATE DEC 31/84
	DERRY, MICHENER, BOOTH & WAHL	DWG NO 84-64-13

00+20S

BASELINE

00+20N

00+40N

00+60N

00+80N

380

360

340

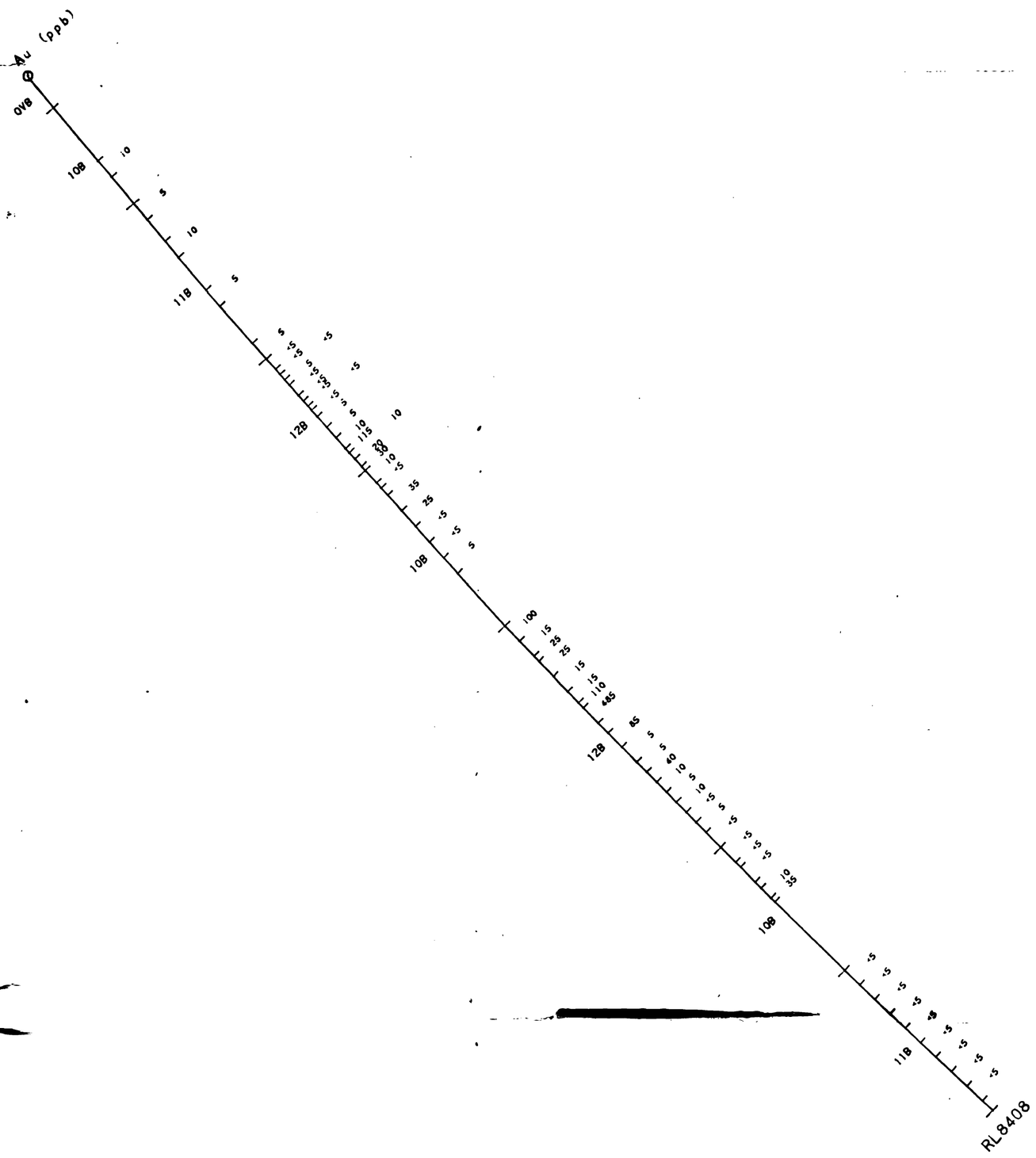
320

300

280

260

240



ALTERATION/STRUCTURE LEGEND

OVB OVERBURDEN

1A MASSIVE MAFIC METAVOLCANICS
- 10A Weakly Altered
- 11A Moderately Altered
- 12A Strongly Altered

1B FOLIATED MAFIC METAVOLCANICS
- 10B Weakly Altered
- 11B Moderately Altered
- 12B Strongly Altered

1C PORPHYRITIC MAFIC METAVOLCANICS
- 10C Weakly Altered
- 11C Moderately Altered
- 12C Strongly Altered

27982

SCALE 1:250

5 0 5 10 15 20

METRES

DEJOUR, NOVA-CO, BRINCO JV

	ROWAN LAKE PROJECT	SURVEY BY: SSM
	DRILL HOLE RL-84-8	DRAWN BY MDI
		APPROVED BY: IST
	SECTION 13+50 WEST (LOOKING WEST)	N.T.S. 52F/6
		DATE DEC 31/84
		DWG NO 84-64-14
	DERRY, MICHENER, BOOTH & WAHL	

1+00S 00+80S 00+60S 00+40S 00+20S BASELINE 00+20N 00+40N 00+60N 00+80N 1+00N 1+20N

380 360 340 320 300 280 260 240 220

Au (ppb)

RL8409

Al

ALTERATION/STRUCTURE LEGEND

OVB OVERBURDEN

1A MASSIVE MAFIC METAVOLCANICS
- 10A Weakly Altered
- 11A Moderately Altered
- 12A Strongly Altered

1B FOLIATED MAFIC METAVOLCANICS
- 10B Weakly Altered
- 11B Moderately Altered
- 12B Strongly Altered

1C PORPHYRITIC MAFIC METAVOLCANICS
- 10C Weakly Altered
- 11C Moderately Altered
- 12C Strongly Altered

27987

SCALE 1:250

5 0 5 10 15 20

METRES

DEJOUR, NOVA-CO, BRINCO JV

ROWAN LAKE PROJECT	SURVEY BY: SGM
DRILL HOLE RL-84-9	DRAWN BY: MDI
SECTION 16+00 WEST (LOOKING WEST)	APPROVED BY: IBT
	N.T.S.: 52F/8
	DATE: DEC 31/84
DERRY, MICHENER, BOOTH & WAHL	DWG NO: 84-84-15

1+00S 00+80S 00+60S 00+40S 00+20S BASELINE 00+20N 00+40N 00+60N 00+80N 1+00N

380 360 340 320 300 280 260 240 220

Au (ppb)

RL8410 RL8402

ALTERATION/STRUCTURE LEGEND

OVB OVERBURDEN

1A MASSIVE MAFIC METAVOLCANICS
- 10A Weakly Altered
- 11A Moderately Altered
- 12A Strongly Altered

1B FOLIATED MAFIC METAVOLCANICS
- 10B Weakly Altered
- 11B Moderately Altered
- 12B Strongly Altered

1C PORPHYRITIC MAFIC METAVOLCANICS
- 10C Weakly Altered
- 11C Moderately Altered
- 12C Strongly Altered

2 7987

SCALE 1:250

5 0 5 10 15 20

METRES

DEJOUR, NOVA-CO, BRINCO JV.

ROWAN LAKE PROJECT

DRILL HOLE RL-84-2 & 10

SECTION 15+00 WEST

(LOOKING WEST)

DERRY, MICHENER, BOOTH & WAHL

SURVEY BY:	SGM
DRAWN BY	MDI
APPROVED BY:	IBT
N.T.S.	52F/6
DATE	DEC 31/84
DWG NO	84-64-16

NORTH ZONE

CENTRAL ZONE

SOUTH ZONE

A1 A2 A3 A4 A5 A6 K1 K2 K3 K4 K5 K6 K7 B1 B2 B3 C1 C2 C3 C4 D1 D2 D3 D4 E1A E1B E2 E3 F1 F2 F3 F4 F5 G1 G2 G3 G4 H1

TIE LINE

2 N 1 N BASELINE 1 S 2 S 3 S 4 S 5 S 6 S 7 S 8 S 9 S 10 S 11 S 12 S 13 S 14 S 15 S 16 S 17 S 18 S 19 S

L 30 W L 29 W L 28 W L 27 W L 26 W L 25 W L 24 W L 23 W L 22 W L 21 W L 20 W L 19 W L 18 W L 17 W L 16 W L 15 W L 14 W L 13 W L 12 W L 11 W L 10 W L 9 W L 8 W L 7 W L 6 W L 5 W L 4 W L 3 W L 2 W L 1 W L 0 E L 1 E L 2 E L 3 E L 4 E L 5 E L 6 E L 7 E L 8 E L 9 E L 10 E L 11 E L 12 E L 13 E L 14 E L 15 E L 16 E

Magnetic Zone Complexes (positive / negative)

Geomagnetic boundary

Magnetic lineaments

VLF Electromagnetic Conductor Trends

F2 VLF - EM designated symbols (see report for explanation)

Fold / Fault Break Structure interpreted from VLF - EM and Magnetic Trends

Swamp

Swamp boundary

Shoreline

Definite IP anomaly from pseudo sections

Probable IP anomaly from pseudo sections

REVISED DECEMBER 1984 TO SHOW IP SURVEY

2787

SCALE

0 200 400 600

METRES

NOVA - CO EXPLORATION LTD.

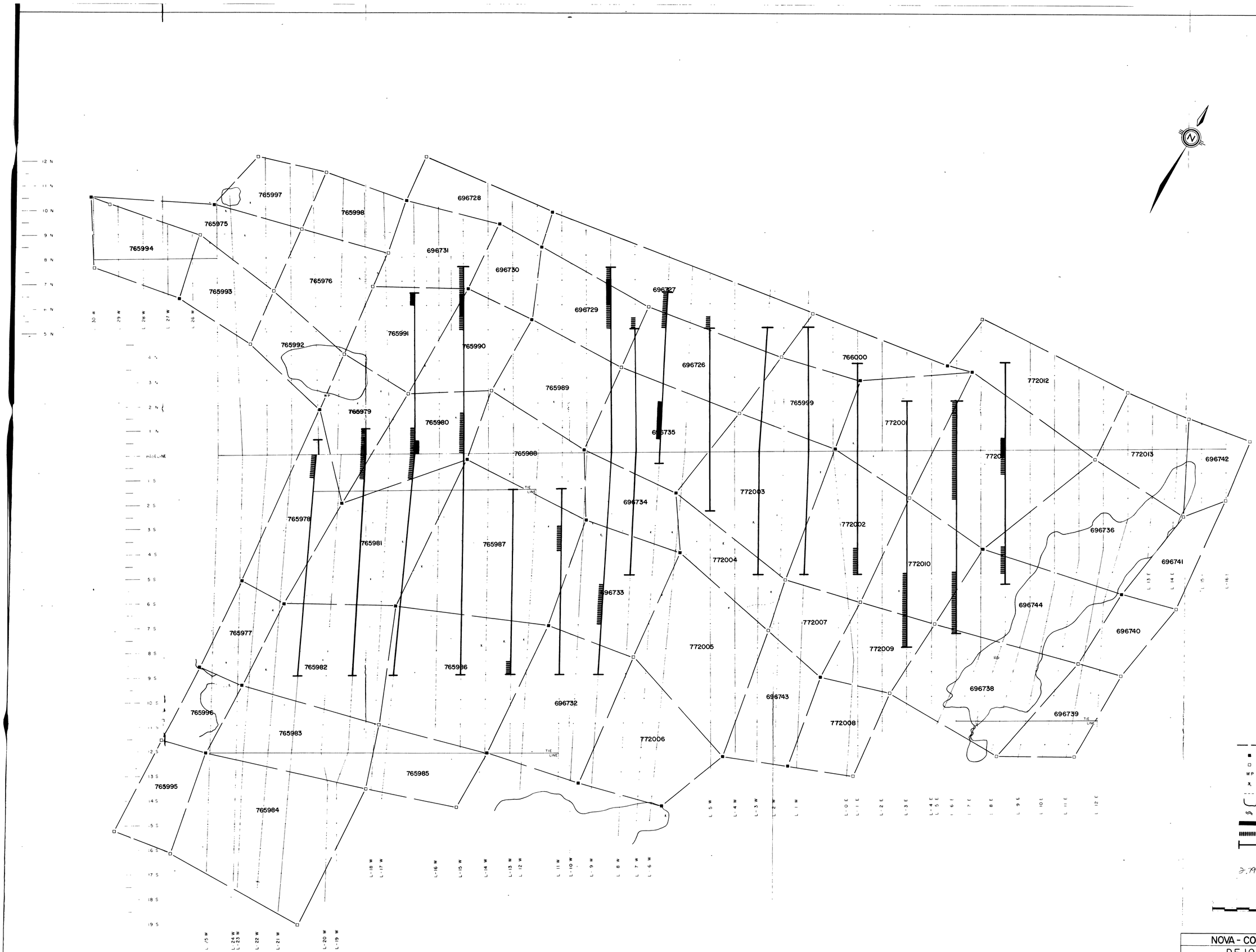
DEJOUR MINES LTD.

DISTRICT OF KENORA — SURVEY BY PHOENIX

ROWAN LAKE PROJECT — DRAWN BY T. GRACE — APPROVED BY R.W. WOOLHAM

GEOPHYSICAL INTERPRETATION COMPILATION — N.T.S. 52 - F/5, F/6 — DATE MARCH, 1984 — DWG NO.

DERRY, MICHENER, BOOTH & WAHL



LEGEND

- Claim line
- Claim posts located
- Claim posts inferred
- WP Witness post
- Swamp
- Swamp boundary
- Shoreline
- Creek
- Definite IP anomaly from pseudo sections
- Probable IP anomaly from pseudo sections
- IP Survey coverage

2.7987

Aug 2/84
R.W. Woolham

SCALE

METRES

NOVA - CO EXPLORATION LTD.	
DEJOUR MINES LTD.	
DISTRICT OF KENORA	SURVEY BY: T.G., J.B.
ROWAN LAKE PROJECT	PLAN BY: T. GRACE
INDUCED POLARIZATION SURVEY	COMPILED BY: R.W. WOOLHAM
PLAN MAP	FILE: 52 - 6/5, 6/6
	DATE: AUGUST, 1984
DERRY, MICHENER, BOOTH & WAHL	DWG. NO. 84-22-1