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REPORT ON
ANALYSIS OF ROCK AND CORE SPECIMENS
SKEAD, HEARST AND RATTRAY TOWNSHIPS, ONTARIO

by

R.A. MacGregor, P. Eng.

January 3, 1983

REPORT ON
ANALYSIS OF ROCK AND CORE SPECIMENS
SKEAD, HEARST AND RATTRAY TOWNSHIPS, ONTARIO

I. INTRODUCTION

This report describes assaying carried out primarily for gold and silver with some base metal assays for samples taken from drill core and surface geological samples in Skead, Hearst and Ratray Townships, Ontario. Results are shown for drill sections on the drill logs and located for surface geological samples by reference to lines which were cut for geological and geophysical surveys.

II. LOCATION, ACCESS AND OWNERSHIP

The property is located in Concessions 5 and 6 of Skead Township, the north-west corner of Ratray Township and the south-west corner of Hearst Township. There are 128 claims in the group covered by this report. Claims are numbered L341839; L396274 to 396287; L400700 to 400705; L442043 to 442058; L442060 to 442061; L442063; L442070 to 442074; L467236 to 467137; L467147; L467263; L476690 to 476691; L476797; L476706 to 476707; L476709; L511632, L511637 to 511641; L511757 to 511764; L512352; L523058 to 523065; L523066 to 523072; L523077; L531332 to 531334; L531337 to 531338; L531341 to 531357; L531359; L531363; L531555; L548637 to 548638; L548654 to 548656; L565045 to 565050; L565107 to 565112. The claims are recorded in the name of Superior Northwest Inc., P.O. Box 1110, Sault Ste. Marie, Ontario.

Location, Access and Ownership (Continued)

A paved secondary highway No. 624 passes through the west central part of the claims about 9 miles south of Larder Lake, Ontario. Old logging roads useable by four wheel drive vehicles near the highway and as walking trails in other areas cover most of the claim group. Grace Lake which adjoins the north boundary and Mageau Lake adjoining in the south boundary of the property are suitable for landing light float planes.

III. PREVIOUS EXPLORATION

Gold was discovered during or before the 1920's and exploration carried out at that time and into the 1930's. A large number of old pits, trenches, and drill casing is still in evidence from this work. A shaft was sunk on claim L341838 to a reported depth of 500 feet with lateral work on the 215 and 415-foot levels. Little information is now available on this work, although there is reference to some spectacular gold showings in Ontario Department of Mines reports from that period.

A second shaft reported to be 500 feet deep with some drifting on the 112 foot level is on claim L467263. This work was also done during the 1920's. More recently some stripping and a few short diamond drill holes were put down in the vicinity of the shaft during the early 1960's. Some interesting gold assays across narrow widths are reported. More recently the claims have been surveyed by magnetometer, VLF-EM and soil sampling survey. Some surface trenching has also been carried out.

IV. TOPOGRAPHY

The major part of the property is covered by Pleistocene drift, gravel and swamp. Rocky hills up to 20 feet above the surrounding area with fair to good rock exposure occur in a few areas of basalt and ultramafic outcrop. A large part of the claims are covered with drift, swamp or beaver ponds with scattered very small outcrops in some of the higher areas. The property is covered with a dense second growth of poplar, birch, alder and wild cherry with black spruce in the more swampy parts. With this is a thick growth of underbrush which makes the location of small outcrops difficult. A number of beaver ponds, or now dry beaver meadows cover many of the stream courses.

V. GEOLOGY

The property is underlain by a volcanic sequence of rocks, mostly mafic volcanics with narrow felsic volcanic bands. Through the central part of the claims lies a belt of ultramafic rocks, largely drift covered but traced by the magnetometer survey. North of the baseline there is a possible second ultramafic band, with sediments further to the north.

VI. SURVEY PROCEDURE

A number of baselines were laid out across the property at various orientations to accommodate the presumed structural orientation of the bedrock. Each grid was centred about a baseline, which acted as a control during cutting operations. Tie lines were cut at grid line extremities, to provide additional control. Pickets were placed at 100-foot intervals and marked accordingly, or at 25 metre intervals in the western part.

Survey Procedure (Continued)

Samples were taken during the geological survey described in a previously submitted report, and submitted for assay to Swastika Laboratories in Swastika, Ontario to be analyzed for Au. Samples were also taken from diamond drill holes 54063 to 54068 inclusive and SK 81-1 to 5 inclusive. Some samples were also assayed for Ag, Cu and Zn as seemed indicated by the samples.

VII. CONCLUSIONS

Low, but anomalous values in gold were found in the geological samples at a number of places on the property. At one location, values up to 1 oz/T were found at surface, but values in drilling were much lower. Best assays from drilling were in the area of the shaft on claim L467263. One assay ran 0.14 oz/T Au across 2 feet and another 0.20 oz/T Au across 1.4 feet.

Gold is present on the property and further work is indicated in the area of the shaft on L467263.

Respectfully submitted



R.A. MacGregor, P. Eng.

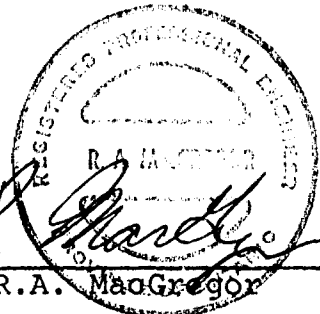
January 3, 1983

C E R T I F I C A T E

I, Robert A. MacGregor certify:

1. I am a Mining Engineer residing at 134 Palace Drive, Sault Ste. Marie, Ontario. I have worked as a mining engineer and geologist for the past 20 years.
2. I am a member of the Association of Professional Engineers of the Province of Ontario and a member of the Canadian Institute of Mining and Metallurgy.
3. I attended Queen's University for two years in the Mining-Geology course.
4. I personally have knowledge of the field work covered by this report.

Jan 3 / 83
Date

A circular seal for a Registered Professional Engineer. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER". The inner circle contains the name "R. A. MACGREGOR" and a signature. Below the seal, the name "R.A. MacGregor" is printed on a horizontal line.
R.A. MacGregor

APPENDIX I

CANADIAN NICKEL CO. LTD.

ASSAY RECEIPTS

DIAMOND DRILL LOGS

Canadian Nickel Company Limited

Copper Cliff • Ontario P0M 1N0

October 28, 1982

Mr. R.A. MacGregor
Vice President Mineral Exploration
Mariner Energy and Minerals Limited
Box 1110
Sault Ste. Marie, Ontario
P6A 5N7

Dear Bob:

Enclosed are copies of the assay sheets and part of the invoices for assays carried out on your Skead Twp. property. RX numbers are for surface samples and FX for core samples. We did not locate all the invoices for the assays but you should be able to get copies from Swastika since you have a copy of the assay sheet.

<u>Invoice/Assay Sheet No.</u>	<u>Sample Type</u>	<u>No. of Assays</u>	<u>Cost</u>
4470/51762	FX	20	\$ 195.00
4437/51722	FX	40	390.00
4497/51787	RX	47)	1,121.25
" /51788	FX	68)	
4548/51849	FX	35	341.25
4571/51880	FX	45)	867.75
" /51883	FX	44)	
? /49374	RX	14	136.50*
? /49844A	RX	3	29.25*
? /50407	RX	23	224.25*
? /50291	RX	7	68.25*
? /50431	RX	15	<u>146.25*</u>

*Estimated cost

\$3,519.75

If there are any further inquiries regarding your properties, please contact A.T. MacGibbon who is taking over the Ontario operations November 1, 1982.

Yours sincerely,



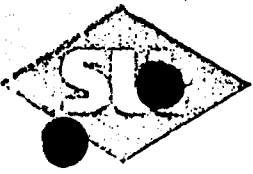
J.E. Mullock
Senior District
Geologist, Ontario

JEM/cb

Enclosures
Exploration subsidiary of

INCO LIMITED

4470



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 293946

Canico Limited
Box 400
Larder Lake, Ontario
POK 1L0
Att'n: Ms. M. Thomson

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	TERMIN CHG REF NO	CONF ORDER NO	TERMS	SALESMAN																												
July 9/81						Net 30 days																													
QUANTITY	DESCRIPTION				UNIT PRICE	AMOUNT																													
	Acct # 60547 - 14010																																		
20	Au Assays				\$7.25	\$ 145.00																													
20	Sample Handling				2.50	50.00																													
	Cert No. 51762 - July 9/81																																		
<table border="1"> <tr> <td>INVOICE NO.</td> <td>PAY VENDOR</td> <td>PURCHASE ORDER</td> </tr> <tr> <td>293946</td> <td>35475</td> <td>14538</td> </tr> <tr> <td>GROSS VALUE</td> <td>DISCOUNT VALUE</td> <td>DUE DATE</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>ACCT. OR W.O. NUMBER</td> <td colspan="2">V.O. TAG</td> </tr> <tr> <td></td> <td colspan="2"></td> </tr> <tr> <td>SOURCE CODE</td> <td>CLASS OF EXP.</td> <td>PRICES O.K.</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>GOODS REC'D.</td> <td>DATE REC'D.</td> <td>PAYMENT APPROV.</td> </tr> <tr> <td></td> <td>JUL 23 1981</td> <td></td> </tr> </table>		INVOICE NO.	PAY VENDOR	PURCHASE ORDER	293946	35475	14538	GROSS VALUE	DISCOUNT VALUE	DUE DATE				ACCT. OR W.O. NUMBER	V.O. TAG					SOURCE CODE	CLASS OF EXP.	PRICES O.K.				GOODS REC'D.	DATE REC'D.	PAYMENT APPROV.		JUL 23 1981		<p><i>to bring for payment</i> <i>July 14, 1981</i> <i>M.T.</i></p> <p><i>for by 7/21/81</i></p>		<p>TOTAL..... \$ 195.00</p>	
INVOICE NO.	PAY VENDOR	PURCHASE ORDER																																	
293946	35475	14538																																	
GROSS VALUE	DISCOUNT VALUE	DUE DATE																																	
ACCT. OR W.O. NUMBER	V.O. TAG																																		
SOURCE CODE	CLASS OF EXP.	PRICES O.K.																																	
GOODS REC'D.	DATE REC'D.	PAYMENT APPROV.																																	
	JUL 23 1981																																		

MOORE BUSINESS FORMS 3 7060E

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
ESTABLISHED 1928

FACTURE / INVOICE





SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 51762

Date: July 9, 1981

Received June 26, 1981 20 Samples of sawn core

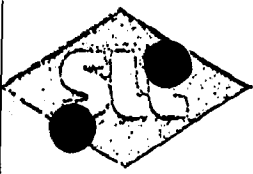
Submitted by Canico Limited, Larder Lake, Ontario

Acct#60547-14010

SAMPLE NO.	GOLD Oz./ton
FX-082395	0.008
082396	0.003
082397	0.008
	0.005
082398	0.001
082399	0.001
082400	NIL
082401	NIL
082402	0.003
082403	NIL
082404	0.001
082405	0.002
082406	0.001
082407	0.001
082408	0.001
082409	NIL
082410	NIL
082411	NIL
082412	0.002
082413	NIL
082414	0.002

BH. 54064

Per G. Lebel, Manager



4437

SWASTIKA LABORATORIES LIMITED

293947

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244

Canico Limited
Box 400
Larder Lake, Ontario
POK ILO Att'n: Ms. M. Thomson

DATE	SHIPPED VIA	FED LICENCE NO.	PROV LICENCE NO.	TECH ORDER NO.	QUOTATION NO.	TERMS	SALESMAN
July 7/81						Net 30 days	
QUANTITY	DESCRIPTION				UNIT PRICE	TOTAL	
40	Au Assays				\$ 7.25	\$ 290.00	
40	Sample Handling				2.50	100.00	
	Cert. No. 51722 July 3/81						
60546-14020							
7							
TOTAL \$ 390.00							

INVOICE NO. 93947	PAY VENDOR 35475	PURCHASE ORDER 14538
NET VALUE	DISCOUNT VALUE	DUE DATE
ACCT OR W.O. NUMBER	V.O. TAX	
FORM NO.	CLASS OF EXP.	PRICES O.K.
DATE REC'D. JUL 23 1981	PAYMENT APPROV.	

*release for payment
July 10, 1981
MCT*

July 3/81

MOORE BUSINESS FORMS 3 7060E

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
ESTABLISHED 1928

FACTURE / INVOICE





SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 51722

Date: July 3, 1981

Received June 24, 1981 40 Samples of sawd core

Submitted by Canico Limited, Larder Lake, Ontario

Acct. #60446-14020

SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD Oz./ton
FX-082355	NIL	FX-082374	NIL
082356	0.001	082375	NIL
082357	NIL	082376	0.002
082358	NIL	082377	0.002
082359	NIL	082378	NIL
082360	NIL	082379	NIL
082361	0.001	082380	NIL
082362	0.001	082381	NIL
082363	0.002	082382	NIL
082364	NIL	082383	NIL
082365	0.001	082384	NIL
082366	0.001	082385	NIL
082367	0.003	082386	NIL
	0.004	082387	NIL
082368	0.001	082388	NIL
082369	0.002	082389	NIL
082370	0.001	082390	NIL
082371	0.001	082391	NIL
082372	0.002	082392	NIL
082373	0.004	082393	NIL
	0.004	082394	NIL

B.H. 54063

Per G. Label, Manager



294095 4497

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244

Canico Limited
Box 400
Larder Lake, Ontario
POK ILO
Att'n: Ms. M. Thomson

DATE	SHIPPED VIA	FED. LICENCE NO.	PROV. LICENCE NO.	Acct. No.	TERMS	Net	SALESMAN
July 14/81				60547-14010		30 days	
47	Au Assays					\$ 7.25	\$ 340.75
47	Sample Handling Cert. No. 51787 July 13/81					2.50	117.50
68	Au Assays					7.25	493.00
68	Sample Handling Cert. No. 51788 July 13/81					2.50	170.00
TOTAL							\$ 1121.25

INVOICE NO. 294095	PAY VENDOR 35475	PURCHASE ORDER 14538
GROSS VALUE	DISCOUNT VALUE	DUE DATE 09-23-81
ACCT. OR W.O. NUMBER		U.S. \$
BOURGE CODE	CLASS OF EXP.	PRICES O.K.
STUDIOS REC'D.	DATE REC'D. JUL 23 1981	PAYMENT APPROV.

July 21/81

MOORE BUSINESS FORMS 3 700E

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
ESTABLISHED 1928



FACTURE / INVOICE



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 51787

Date: July 13, 1981

Received June 29, 1981 47 Samples of ore

Submitted by Canico Limited, Jordan Lake, Ontario

Acct/# 60517-14010

SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD Oz./ton
RX-024669	NIL	RX-024693	NIL
024670	NIL	024694	NIL
024671	0.001	024695	NIL
024672	0.050	024696	NIL
	0.044	024697	NIL
024673	NIL	024698	NIL
024674	NIL	024699	NIL
024675	NIL	024700	NIL
024676	NIL	024701	NIL
024677	NIL	024702	NIL
024678	NIL	024703	NIL
024679	NIL	024704	0.011
024680	NIL	024705	0.005
024681	NIL	024706	0.016
024682	NIL		0.020
024683	NIL	024707	NIL
024684	NIL	024708	NIL
024685	NIL	024709	NIL
024686	NIL	024710	NIL
024687	NIL	024711	NIL
024688	0.003	024712	NIL
024689	NIL	024713	NIL
024690	NIL	024714	0.027
024691	NIL	024715	NIL
024692	NIL		

Per G. Label, Manager



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 52788

Date: July 13, 1981

Received June 29, 1981 6A Samples of same core

Submitted by Canico Limited, Larder Lake, Ontario

Acct#60547-14010

SAMPLE NO.	GOLD Oz./ton
FX-082415	NIL
082416	0.003
082417	0.001
082418	0.001
082419	0.001
082420	0.001
082421	0.009
	0.008
082422	0.003
082423	0.001
082424	0.002
082425	0.001
082426	0.001
082427	0.001
082428	0.002
082429	0.001
082430	NIL
082431	NIL
082432	0.001
082433	0.001
082434	0.004
	0.005
082435	NIL
082436	0.003
082437	0.001

B.H. 54064

SAMPLE NO.	GOLD Oz./ton
FX-082438	NIL
082439	NIL
082440	NIL ↑
082441	NIL
082442	NIL
082443	0.001
082444	0.001
082445	NIL
082446	NIL
082447	0.001
082448	0.002
082449	NIL
082450	0.001
082451	NIL
082452	0.001
082453	0.001
082454	NIL
082455	0.001
082456	NIL
082457	0.026
	0.028
082458	NIL
082459	0.002
082460	NIL
082461	NIL

B.H. 54065

cont.

Per *G. Lebel*
G. Lebel, Manager



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 51788

Date: July 13, 1981

Received June 29, 1981 68 Samples of sawn core

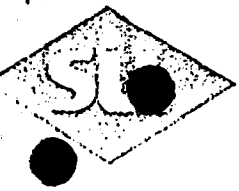
Submitted by Canico Limited, Larder Lake, Ontario

Acct#60547-14010

SAMPLE NO.	GOLD Oz./ton
YK-082462	NIL
082463	0.003
	0.004
082464	NIL
082465	NIL
082466	NIL
082467	0.002
082468	NIL
082469	NIL
082470	NIL
082471	NIL
082472	NIL
082473	NIL
082474	NIL
082475	NIL
082476	0.001
082477	NIL
082478	0.002
082479	NIL
082480	NIL
082481	NIL
082482	NIL

BH 54065

Per G. Label, Manager



4548

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

295005

Canico Limited
Box 400
Larder Lake, Ontario
P0K 1L0

Att'n: Ms. M. Thomson

DATE	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
July 22/81				
35	Au Assays	\$ 7.25	\$ 253.75	
35	Sample Handling	2.50	87.50	
	Cert. No. 51849 July 20/81			
TOTAL			\$ 341.25	

*obay fee paym...
MLT 09/08/81*

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
ESTABLISHED 1923

FACTURE / INVOICE



SCOTT'S BUSINESS FORMS 3 7067E



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 51849

Date: July 20, 1981

Received July 6, 1981 35 Samples of SEWN CORE

Submitted by Genico Limited, Larder Lake, Ontario

Acct#60547-14020

SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD Oz./ton
FX-082483	NIL	FX-082500	NIL
082484	NIL	082501	NIL
082485	NIL	082502	NIL
082486	NIL	082503	NIL
082487	NIL	082504	NIL
082488	NIL	082505	NIL
082489	NIL	082506	NIL
082490	NIL	082507	NIL
082491	NIL	082508	NIL
082492	NIL	082509	NIL
082493	NIL	082510	NIL
082494	NIL	082511	NIL
082495	NIL	082512	NIL
082496	NIL	082513	NIL
082497	NIL	082514	NIL
082498	0.008	082515	NIL
	0.007	082516	NIL
082499	NIL	082517	NIL

BH 54066

Per G. Label, Manager

4571

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

295006

Canico Limited
Box 400
Larder Lake, Ontario
POK ILO

Att'n: Ms. M. Thomson

DATE	DESCRIPTION	QTY	UNIT PRICE	TOTAL
July 24/81	Acct. No. 60547-14020			
	COND. ORDER NO. C-14539			
	TERMS: Net 30 days			
45	Au Assays		\$ 7.25	\$ 326.25
45	Sample Handling		2.50	112.50
	Cert. No. 51880 July 22/81			
	<i>obary met 09/05/81</i>			
44	Au Assays		7.25	319.00
44	Sample Handling		2.50	110.00
	Cert. No. 51883 July 23/81			
	<i>→ okay for payment</i>			
	<i>met tested 09/08/81</i>			
TOTAL				\$ 867.75

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
ESTABLISHED 1923

FACTURE / INVOICE





SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 51880

Date: July 22, 1981

Received July 10, 1981 45 Samples of SAWI GCRG

Submitted by Candco Limited, Larder Lake, Ontario

Acct. #60547-24020

SAMPLE NO.	GOLD Gg./ton	SAMPLE NO.	GOLD Gg./ton
FY-082562	NIL	FY-082585	NIL
082563	NIL	082586	NIL
082564	NIL	082587	0.001
082565	NIL	082588	NIL
082566	0.001	082589	NIL
082567	0.001	082590	NIL
082568	NIL	082591	NIL
082569	NIL	082592	NIL
082570	NIL	082593	NIL
082571	NIL	082594	NIL
082572	NIL	082595	NIL
082573	0.003	082596	0.001
	0.003	082597	0.001
082574	NIL	082598	0.008
082575	0.001		0.009
082576	0.001	082599	NIL
082577	0.001	082600	0.002
082578	NIL	082601	NIL
082579	NIL	082602	NIL
082580	NIL	082603	NIL
082581	NIL	082604	NIL
082582	NIL	082605	NIL
082583	NIL	082606	NIL
082584	NIL		

BH 54 068

Per G. L. Lef, Manager



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 41895

Date: July 23, 1981

Received July 6, 1981 LL Samples of seam core

Submitted by Canico Limited, Larder Lane, Toronto

66014057-11020

SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD Oz./ton
FX-082518	NIL	FX-082541	NIL
082519	NIL	082542	NIL
082520	NIL	082543	NIL
082521	NIL	082544	0.001
082522	NIL	082545	NIL
082523	NIL	082546	0.001
082524	NIL	082547	NIL
082525	NIL	082548	NIL
082526	NIL	082549	0.001
082527	NIL	082550	NIL
082528	NIL	082551	0.017
082529	NIL		0.024
082530	NIL	082552	0.002
082531	NIL	082553	0.065
082532	NIL		0.048
082533	NIL	082554	0.001
082534	NIL	082555	0.001
082535	NIL	082556	NIL
082536	NIL	082557	NIL
082537	NIL	082558	NIL
082538	NIL	082559	NIL
082539	NIL	082560	NIL
082540	NIL	082561	NIL

BH 54067

Per G. Label
G. Label, Manager

BOREHOLE RECCRD

DATE PROCESSED AUG 05, 1981

GRID
BOREHOLE# PROPERTY NTS# SH# ANOM# DEPTH AZINUTH BEARING DIP ELEVATION LATITUDE DEPARTURE
54063-0 SNI-OPTIGN 32/D4 EAST 00104 202 00 180 00 -40 00 0000 N000040 W000625 DATE.....

LOGGED BY...M L THOMSON STARTED...JUNE 12, 1981 COMPLETED...JUNE 19, 1981 ASSAY FOR...AU

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
0061 -43 30 0091 -43 30

COMMENTS

CANICO DRILLING AM CAS PULLED LOGGED IN METRES POSITION WITH RE
SPECT TO CLAIM POST NUMBER ONE OF 356284 183 M S AND 208 M S

SAMPLE ENTRIES

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG	AU
0000.0	0.0				COLLAR		
0006.0	6.0				OVERBURDEN		
0007.1	1.1				AM CAS START OF CORE		
0008.2	1.1		MVVM	MSYN	F-MG DK GRN TO BLK WITH PINK HEM FSP MINOR BIO WKLY FOTD AT 40 DEG LIKELY 40 IS FELD SPATHIC, PHASE DE SBPT		
0008.9	0.7			SRPT	FG GRN BK VERY SOAP AND SOFT VVKLY F OTD-SHRD AT 32 DEG SHARP LCT 65 DEG 32 WKLY MTC		
0009.2	0.3		MVVM	FDPR	FG BRICK WITH WHITE FSP PHCR FEW PY SPKS & GASH-TYPE QTZ VNS SLIGHTLY AL TD CTS		
0009.9	0.7		MVVM	MSYN	AS TO 8.2 METERS		
0011.1	1.2			SRPT	FG BK TO GY BCMG ALMOST SOAPSTONE AT LCT - 70 DEG		
0011.6	0.5		MVVM	MSYT	FG WINE BIO RICH DYKE WITH 2 PCNT PY WKLY ALTD CTS		
0018.4	6.8			SRPT	FG DK GY ALMOST SOAPSTONE FEW TALC-M UD SLIPS & FSP-RICH ZONES MODY MTC S VRL CARB VNLT5		
0018.8	0.4	FX082355	MVVM	MSYN	MG FSPC HEM ZONE AS BEFORE IRREGULAR CTS AT 45 DEG	45	0.000
0025.2	6.4			SRPT	MED GY VERY SOAPY WITH NMRS TALC VNS MODY MTC VVKLY CLCR FOTD AT 30 DEG L 30 CT GRNL		
0026.6	1.4	FX082356	MVVM	PRPH	VFG GY-BRICK MICROFSP PRPC DYKE(G) WITH FEW CARB VNS MODY MTC VVKLY FE- CARBO (XL) SHARP LCT AT 63 DEG MINCR PY		0.001
0027.5	0.9	FX082357		MSYN	M-CG PINK & GY BIO-RICH, FSP-RICH PHA SE CR DISTILATE OF SRPT (Q)		0.000
0030.2	2.7			SRPT	GY TALCOSE AS AT 25.2		
0031.2	1.0	FX082358	MVVM	PRPH	FG GY-BRICK FG-FSP PRPC & BIG-CHL RI CH DYKE AS AT 26.6 M GRADES TC FCPR		0.000
0032.3	1.1	FX082359	MVVM	PRPH	AS ABOVE LCT AT 30 DEG	30	0.000
0033.1	0.8	FX082360	MVM	CARB	TUFF-FE-CARBO & HIGHLY ALTD UNIT THA T IN PART RESEMBLES MSYN FCTD & LCT 35 DEG 2-3 PCNT PY FEW QTZ-CARB, VNS		0.000

DEPTH	LENGTH	SAMPLE#	MGRN	ROCK	DESCRIPTION	ANG.	AU
0035.1	2.0	FX082361	MVW	FDPR	F-MG PALE BRICK WKLY FE-CARBD FSP PR PC UNIT WITH 1 TO 2 PCNT PY CCC 617		0.001
					VN AT 30	30	
0036.7	1.6	FX082362	MVW	FDPR	AS ABOVE SHARP LCT		0.001
0037.1	0.4	FX082363	MVW	CARB	TUFF GY-TAN HIGHLY FE-CARBD & REXCIZ ED UNIT AS AT 33.1M 5 PCNT PY		0.002
0037.6	0.5	FX082364	MVW	FDPR	AS AT 36 METERS		0.000
0038.1	0.5	FX082364	MVW	CARB	TUFF AS AT 37.1 LOOKS IGNEOLS		0.000
0038.4	0.3			LC	LOST CORE GRIND-AWAY		
0040.0	1.6	FX082365	MVW	FDPR	AS TO 37.6 METERS		0.001
0041.1	1.1	FX082366	MVW	FDPR	AS ABOVE SHARP LCT AT 54 DEG	54	0.001
0041.4	0.3	FX082367	MVW	CARB	TUFF AS BEFORE WITH 5-9 PCNT PY FOTD AT 40 DEG THIS UNIT COULD BE A TUFFA GENUS INCL IN FDPR OR A PHASE OF THE FDPR ITSELF IT IS CALLED CARB-TUFF C NLY BECAUSE IT CAN RESEMBLE C-1 TYPE MATERIAL		0.004
0043.7	2.3	FX082368	MVW	FDPR	F-MG PALE BRICK AS BEFORE B-PG CG PA LE PINK & QTZOSE SHARP LCT 62 DEG	62	0.001
0043.9	0.2	FX082369	MVW	CARB	TUFF AS BEFORE 10 PCNT PY LCT AT 60 DEG	60	0.002
0044.6	0.7	FX082369	MVW	FDPR	AS BEFORE CT AT 65		0.002
0044.8	0.2	FX082369	MVW	CARB	TUFF AS AT 41.4 METERS		0.002
0047.0	2.2	FX082370	MVW	FDPR	CG PALE PINK WKLY FE-CARBD CUT BY F EW QTZ-CARB VNS 1-2 PCNT PY SOME GF FSP ARE BXTD		0.001
0050.0	3.0	FX082371	MVW	FDPR	AS ABOVE		0.001
0052.9	2.9	FX082372	MVW	FDPR	AS ABOVE MNOR CARB TUFF-WACKE INC		0.002
0055.3	2.4	FX082373	MVW	FDPR	SIMILAR TO ABOVE BUR NOW F-MG VTLs 0 F FEW CARB EVIDENT CUT BY FEW QTZ-CA B VNS COLOUR CHANGE TO A DARKER BRIC K SHARP LCT 60 DEG	60	0.004
0056.0	0.7	FX082374	MVW	CARB	WACKE F-MG GY GRN FAIPLY CHLC FOTN I S WK AT APRX 50 DEG CUT BY FG BY SLC 50 S LOOKING DYKE POSS FDPR OF ABOVE GR CHERT	50	0.000
0056.7	0.7	FX082375	MVW	FDPR	OR CHERT VY FG SLCs PALE BRICK-TAN M NCR EVIDENCE OF PRDH ZTLs TYPN NOT C LEAR SHARP LCT 60 DEG 1 PCNT PY	60	0.000
0057.5	0.8	FX082376	MVW	MSYN	WINE-BROWN FG MASS FEW MNOR BIOT FLA KES SHARP LCT 60 DEG	60	0.002
0058.1	0.6	FX082376		PROT	GRN FG FAIRLY HMGs LOOKING WKLY PTC BROKEN SURFACE SHOWS FOTN OF PLATEY CHL GRAINS APRX 50 DEG WKLY FE-CARBD 50 CUT BY MNOR PALE BRICK DYKLT SHARP L CT 60 DEG	60	0.002
0061.4	3.3	FX082377		FSPR	BRICK-RUSTY FG FSP PRPC CUT BY FEW C TZ-CARB VNS AND SPOTTED BY VY FG FE- CARB ZTLs ALSO LOCL VUGGY SHARP LCT 60 DEG		0.002
0062.1	0.7	FX082378		PROT	AS BEFORE NOW CUT BY SVRL FINE QTZ-C ARB VTLs BY WKLY FE-CRBD LCT IN BC MTC		0.000
0063.5	1.4	FX082378		MSYN	WINE-BRN FG MASS LOCL FSP PRPC AND MNOR BIOT FLAKES CUT BY FEW CARB VNL		0.000

DEPTH	LENGTH	SAMPLE#	MIN ROCK	DESCRIPTION	ANG	AU
				TS (WINE COLOUR SEEMS TO BE HM) SHAR P LCT 70 DEG	70	
0067.6	4.1	FX082379	MSYN	GRN FG MASS FAIRLY HMGS SIMILAR TO A BOVE BUT NOT HMTIZED TEXTURE IS IGAE OUS NOW PROB MOSTLY AMPHJ-BDEE WITH HM FSP AND MNOR BIOT CUT BY HM CAR-Q TZ VNS SHARP LCT 60 DEG	60	0.000
0070.7	3.1	FX082380	MVW	FSPR PALE BRICK-GY FG MASS FSP PRPC UH CU T BY NMRS CHLC VNS WITH PARTING 1-2 PCNT PY VY MNOR FE-CRBD FEW CTZ-CARB VNS WITH BLEACHING AT RIMS		0.000
0073.6	2.9	FX082381	FSPR	AS ABOVE BUT A PALER PINK SPCTED AN D POCKED BY FG FE-CARB ZTLS AND CUT BY MCRB QTZ-CARB VNS GRNL LCT		0.000
0074.9	1.3	FX082382	MVW	FSPR AS BEFORE BCMG MCRB CLOUDY LCKING, PALE BUFF-BRICK		0.000
0077.4	2.5	FX082383	FSPR	AS ABOVE CUT BY A CLOUDY-WHITE QTZ-C ARB VN SHARP LCT 80 DEG	80	0.000
0078.9	1.5	FX082384	MSYN	WINE-BRWN F-MG MASS LOCL MOTTLED LOO KING WITH SVRL BIOT FLAKES CUT FEW Q TZ-CARB VNS INCLUDES TWO.1 M TALCSE PROT INCS SHARP LCT 40 DEG	70	0.000
0080.4	1.5	FX082385	SPPT	DK GRN VY TALCSE POSS SOAPSTONE CUT BY SVRL PALE GRN CARB VNS LCCL-BXTD GENERALLY WKLY FE-CRBD SCSY-PARTING 55 DEG SHARP LCT 75 DEG	75	0.000
0082.8	2.4	FX082386	MVW	MSYN AS BEFORE LOCL MG BIOT RICH AND PRPC SHARP LCT AT 75 DEG GRNL OH TO WKLY FE-CRBD	75	0.000
0083.0	0.2	FX082387	MVW	CARB MSYN AS ABOVE BUT PALER WINE AND WKL Y FE-CRBD COULD ALSO BE HMTIZED CARB -WACKE OF BELOW APPARENT SHARP LCT 7 0 DEG		0.000
0083.4	0.4	FX082387	MVW	CARB WACKE GY/GRN F-MG VY WK FOTN LOCL MA SS IREG LCT 20 DEG		0.000
0084.6	1.2	FX082388	MVW	FSPR ORANGE MNOR BRICK FG MASS FSP PRPC C UT BY SVRL WHITIS QTZ-CARB VNS OH BC MS MCRB FE-CRBD WITH CARB-WACKE PYC INCL 1 PCNT PY SHARP LCT 60 DEG	60	0.000
0086.0	1.4	FX082389	CARB	SOAPSTONE-TALC SCH PALE GRN TRANSLUC ENT LOOKING SCSY APRX 65 DEG CUT BY SVRL CARB VNS AND REPLACED BY FE-CAR B XTLS LOCL WKLY MTC WITH RELICT IGN EIOUS TEXTURE LAST .3 N BRICK FSPR SH ARP LCT 70 DEG		0.000
0088.2	2.2	FX082390	CARB	SOAPSTONE AS ABOVE VY PALE GRN ZCNS MUSR FE-CRBD SHARP LCT 70 DEG	70	0.000
0089.5	1.3	FX082391	MSYN	WINE-BK F-MG WKLY FOTD 60 DEG LOCL F EW BIOT FLAKES NOT CLEAR IF TALCSE BK PORTIONS ARE NON-CRBD SOAPSTONE Q R IF THEY ARE SLEDS (LOCLY APPEAR EN DD AND BIOT RICH) SHARP LCT 70 DEG	70	0.000
0093.0	3.5	FX082392	CARB	SOAPSTONE AS BEFORE SCSY 70 DEG INTE RBEDED ARE DK GRN TALCSE PCRTICNS BXTD SHARP LCT APRX 50 DEG	50	0.000

DEPTH	LENGTH	SAMPLE#	HNZN	ROCK	DESCRIPTION	ANG	AU
0095.3	2.3	FX082393		SPPD	BK FG MASS LOCL CUT AND BXTD BY FE-C ARR_VNS_AND_LOCL_PALE_GRN_AND_TALCCS		0.000
0098.2	2.9		MVVW	SPPD	E CFEN MASS FE-CARB ZTLS GRNL LCT NOW NO BXTN DR PLAE GRN PERTICAS BUT CUT BY NHRS FE-CARB-QTZ_VNS_AND_VNLT		
0101.5	3.3			SPPD	S GRNL LCR STRONGLY MTC AS ABOVE BUT SPOTTED BY FE-CARB CLCT S_CARB_VNS_LOOK LIKE GASH_VNS GRNL L		
0103.9	2.4	FX082394		CARB	SPPD PALE GRN CG LOOKS LIKE A CUMULA TE TXTD DUNITE_WKLY_FE-CRBD		0.000
					FOH		

FOR THIS HOLE, ASSAYS OF THE FOLLOWING ELEMENTS HAVE BEEN RECEIVED..AU

BOREHOLE SUMMARY

FGGTAGE	HNZN	ROCK
0007.1		
0008.2	MVVW	MSYN
0008.9		SRPT
0009.2	MVVW	FDPR
0009.9	MVVW	MSYN
0011.1		SRPT
0011.6	MVVW	MSYN
0018.4		SRPT
0018.8	MVVW	MSYN
0025.2		SRPT
0026.6	MVVW	PRPH
0027.5		MSYN
0030.2		SRPT
0032.3	MVVW	PRPH
0033.1	MVW	CARB
0036.7	MVW	FDPR
0037.1	MVW	CARB
0037.6	MVW	FDPR
0038.1	MVW	CARB
0038.4		LC
0041.1	MVW	FDPR
0041.4	MVW	CARB
0043.7	MVW	FDPR
0043.9	MVW	CARB
0044.6	MVW	FDPR
0044.8	MVW	CARB
0055.3	MVW	FDPR
0056.0	MVVW	CARB
0056.7	MVW	FDPR
0057.5	MVVW	MSYN
0058.1		PRDT
0061.4		FSPP

0062.1		FROD
0067.6		MSYN
0070.7	MVW	FSPR
0073.6		FSPR
0074.9	MVVW	FSPR
0077.4		FSPR
0078.9		MSYN
0080.4		SPPT
0082.8	MVVW	MSYN
0083.4	MVVW	CARB
0084.6	MVW	FSPR
0088.2		CARB
0089.5		MSYN
0093.0		CARB
0095.3		SPPD
0098.2	MVVW	SPPD
0101.5		SPPD
0103.9		CARB

BOREHOLE RECCRD

DATE PROCESSED AUG 05, 1981

GRID

CHKSD

BOREHOLE# PROPERTY NTS# SH# ANOM# DEPTH AZIMUTH BEARING DIP ELEVATION LATITUDE DEPARTURE
 54064-0 SNT-OPTION 32/D4 EAST 00133 202 CO 180 00 -40 00 0000 N 050 W 700 DATE.....
 LOGGED BY....H L THOMSON STARTED....JUNE 15, 1981 COMPLETED....JUNE 19, 1981 ASSAY FOR....AU

INCLINATION AND TREPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0061 -43 30 0093 -44 30 0122 -43 30

COMMENTS

CANICO DRILLING AM CAS PULLED LOGGED IN METRES POSITION WITH RE
 SPECT TO NUMBER ONE CLAIM POST DE 356284 147 M S AND 173 M W

SAMPLE ENTRIES

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG	AU
0000.0	0.0				COLLAR		
0011.6	11.6				AW CAS START OF CORE		
0014.8	3.2	FX082395	MVVW	FSPR	BXTD BRICK-RED F-MG FSP PRPC BXTD TH ROUGHOUT WITH CHL MTX FEW CARB-QTZ V NS BUT MODERATE FE-CARB XTLS MNOR CA RB TUFF-(WACKE) INCS	0.008	
0016.7	1.9	FX082396	MVVW	FSPR	AS ABOVE COLOUR IS MORE RICHER RED A ND LOCL VY BXTD SHARP LCT IN BC	0.003	
0017.1	0.4	FX082397	MVM	CARB	TUFF-(WACKE) BUFF-GRN VY FG BXTD BY CHL VNS LOCL OXDD 2 PCNT PY SHARP LC T 70 DEG	0.008	
0017.7	0.6	FX082398	MVVW	FSPR	AS BEFORE BXTD AND ASSIM LCT	0.001	
0019.6	1.9	FX082399	WACK		DK GRN-BK F-MG CHL WKLY FE-CRBD CLAS TS OF FSP AND CHL EVIDENT CUT BY AND INTERBEDDED WITH CARB-QTZ VNS SCSY 5 55 0-60 DEG MNOR TALCOSE INTERBEDS SHAR P LCT 70 DEG	0.001	
0023.1	3.5	FX082400	MSYN		WITH NHRS SCH OF ABOVE INTERBEDS MSY N WINE-BRWN F-MG LOCL NHRS BICT FLAK ES AND FSPR WKLY FOTD AT 60-65 DEG C 60 UT BY FEW HM CARB-QTZ VNS PILL TO FGT N LOCL WKLY FE-CRBD SHARP LCT 70 DEG 70	0.000	
0025.1	2.0	FX082401	WACK		AS BEFORE GRN F-MG MASS TG LOCL FOTD 70 DEG LOCL LOCKS IGNEOUS CUT BY CAR 70 B MNOR QTZ VNS LOCL WKLY FE-CRBD CUT BY FSPR DYKE LCT BXTD BY QTZ VN AND WKLY FUCHSITIC	0.000	
0025.6	0.5	FX082402	FSPR		AS ABOVE CUT BY MORE FE-CARB VNS SPA RP LCT APRX 60 DEG	0.003	
0028.7	3.1	FX082403	MVVW	CARB	WKE MOTTLED MID AND DK GRN FG SCSY 6 0-65 DEG THIS IS INTERBEDDED WITH PA LE GY-SRN VY FG CARB WACKE-(TUFF) CU T BY SVRL WKLY HM CARB-QTZ VNS SHARP LCT	0.000	
0030.4	1.7	FX082404	MVM	FSPR	BRICK-PING FG MASS WKLY FSP PRPC CUT BY FEW QTZ-CARB VNS 1 PCNT FG PY WKL Y FE-CRBD	0.001	
0032.2	1.8	FX082405	MVVW	CARB	FSPR SIMILAR TO ABOVE BUT NCH PCRE C	0.001	

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG	AU
					LOUDED LOOKING PALER BRICK MNDR FG G Y-GRN WKLY MIC. TUFF(Q) INCL SHARP LCT T 75 DEG		
0033.8	1.6	FX082406	FSPR		UNUSUAL GY-GRN SPOTTED WITH CRANGE F SP PRPHS MUCH MORE MAFIC THAN ABOVE BUT CLEARLY IGNEOUS SHOULD PROB CALL IT A PRPC MSYN WITHOUT BIOT(G) SHAR P LCT 70 DEG	75	0.001
0034.9	1.1	FX082407	MVM	CARB	TUFF-(WACKE) BUFF-GRN FG MASS CUT AN D BXTD BY HM VNLTIS 4-5 PCNT PY CUT B Y MNOR DYKE OF FSPR OF ABOVE SHARP L CT	70	0.001
0038.1	3.2	FX082408	MVM	FSPR	BRICK-ORANGE FG MASS FSP PRPC CUT BY SVRL QTZ-CARB VNS CONTAINS APRS FE-C ARB XTLS 1-2 PCNT PY SHARP LCT APRX 60 DEG		0.001
0038.7	0.6	FX082409	MVM	MSYN	NEXT 10 M ARE INTERPRETED AS FG PHAS ES OF THE MSYN UNUSUAL IN THAT IT IS FG GY GRN MASS IGNEOUS TEXTURED AND LOCY BCNS WINE COLOURED FIRST .6 M C ARB MSYN HERE A PALER GRN	60	0.000
0042.1	3.4	FX082410		MSYN	AS ABOVE CUT BY SVRL QTZ-CARB VNS AN D ONE FSPR DYKLET LOCL PHASES HAVE F EW BIOT FLAKES		0.000
0045.4	3.3	FX082411		MSYN	AS ABOVE CUT OR INCLUDES FSPR AS AT 33.8 M CONTACTS ARE SHARP SH ARP LCT		0.000
0045.9	0.5	FX082412		CARB	TFWK (Q) VY PALE GRN HIGHLY CRBD BUT BETWEEN MSYN UNITS FIRST .1 M FSPR A S AT 38.1 M SOFT QTZ EYES		0.002
0048.2	2.3	FX082413		TUFF	-WACKE NOT CUT BY MANY QTZ-CARB VNS LOCL FAINTLY FSPR SHARP LCT LGCL WKL Y FE-CRBD		0.000
0049.2	1.0	FX082414		FSPR	VY PALE BRICK FG MASS FSP PRPC CUT E Y SVRL CARB-QTZ VNS FIRST .3 M CARB TUFF (Q) PALE GRN-TAN VY FG CUT AND BXTD BY QTZ-MNOR CARB VNS 4-5 PCNT P Y SHARP LCT 60 DEG	60	0.002
0051.0	1.8	FX082415		MSYN	AS BEFORE LOCLY BIOT RICH AND WKLY P RPC MNDR .1 M CARB (60 PCNT) SCH BU T AGAIN AS AT 45.9 SVRLY ALTO MSYN L AST .1M FSPR AS ABOVE SHARP LCT 80 D 80 EG		0.000
0052.0	1.0	FX082416		CARB	SCH MID GRN MOTTLED WITH FE-CARB SCS Y 70 DEG 3-4 PCNT CG PY PGGR LCT APR K 70 DEG		0.003
0052.5	0.5	FX082417	MVM	FSPR	POSS SHOULD BE CARB-FSPR PINK-BUFF F G MASS CUT BY SVRL LARGE QTZ-MAGR CA RB VNS 1 PCNT PY		0.001
0053.0	1.1	FX082417		FSPR	PINK BRICK FG MASS FSP PRPC CUT BY S VRL LARGE QTZ-MAGR CARB VNS DIFFERS FROM ABOVE IN THAT NOT AS GYISH LOCK ING		0.001
0055.1	1.5	FX082418		FSPR	AS ABOVE LOCL MORE BRICK MAGR CARB F UCHSITE INTERBED RIDDLED BY FG FE-CA		0.001

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG	AU
0056.7	1.6	FX082419	MVM	FSPR	RB XTLS BRICK-FG MASS WKLY FSPR LGCL BXID PY CHLC-PYC VNS CUT BY SVRL QTZ-CARB GA SH VNLS ROCK TYPE SEEMS TO BE A PHA SE OF ABOVE LOCLY OXDD 1 PCNT PY		0.001
0058.2	1.5	FX082420	MVM	FSPR	AS ABOVE MORE BY 3-4 PCNT AND CUT BY CLOUDY VNLS OF FE-CARB 1 PCNT PY		0.001
0059.7	1.5	FX082421	MVM	FSPR	AS ABOVE LAST 1 M CARB TUFF GRN-TAN (5 PCNT PY) SHARP LCT 45 DEG	45	0.009
0062.0	2.3	FX082422	MVM	FSPR	AS ABOVE LESS BRICK MORE CRANGE (CXC DJ) AND BROKEN LCT IN BC POSS SHARP		0.003
0063.6	1.6	FX082423	MVM	FSPR	BRICK-GY FG MASS FSPR PRPC LGCL RIDD LED BY FG FE-CARB XTLS SVRL SLIP SUR FACES SHARP LCT 60 DEG	60	0.001
0063.8	0.2	FX082424	MVM	CARB	TUFF GRN-TAN FG HMGs LOOKING SEEMS S ERICITIC 2-3 PCNT PY SHARP LCT 55 DE G		0.002
0065.1	1.3	FX082424		FSPR	PALE BRICK-GY FG MASS FSP PRPC CUT B Y SVRL QTZ-CARB VNS AND VNLS GIVING A BXID APPEARANCE DH CORE SEEMS TO S HOW M-CG PRPC PHASES		0.002
0066.7	1.6	FX082425	MVM	FSPR	AS ABOVE LOCL MORE FE-CRBD QTZ VNS R (HMD BY ORANGE (DOLOMITE(Q)) AND CHL 1 PCNT VY FG PY COLOUR MORE PALE PIN K GY WITH A GRN HINT		0.001
0068.2	1.5	FX082426		FSPR	AS ABOVE COLOUR RETURNING TO A PINKISH ONE CUT BY MNOR GASH-TYPE QTZ-CARB V N		0.001
0069.3	1.1	FX082427	MVM	FSPR	AS AT 66.7 M GENERAL CLOUDY (ALTC) L OOK TO THE CORE SHARP LCT APRX 70 DE 70 G 1-2 PCNT PY		0.001
0069.6	0.3	FX082428		TUFF	LT GY FG WKLY FOTD APRX 60 DEG 3-4 P CNT FG PY SHARP LCT 70 DEG	70	0.002
0070.4	0.8	FX082428		FSPR	AS ABOVE MO PINK CUT BY FN QTZ-CARB VNS SHARP LCT 70 DEG		0.002
0071.6	1.2	FX082429		CARB	PRDT VY PALE GRN FG WK FOTN 60 DEG C 60 UT BY NHRS CARB VNS COULD ALSO BE UM -SED NOT CLEAR BECAUSE NONE-MIC VKLY FUCLSITIC INTERBEDDED WITH LPTF-WAC KE GY-GRN FG 2 PCNT MG PY 60 DEG FCT 60 N SHARP LCT	60	0.001
0072.4	0.8	FX082429	MVM	FSPR	PALE PK TO BUFF FG MASS FSP PRPC CUT BY SVRL QTZ CARB MNOR PY VNS WKLY FE -CRBD 2 PCNT PY SHARP LCT 50 DEG		0.001
0073.5	1.1	FX082430		SYNT	GRN-PK (HM) FG SPOTTED SPEC-HM CUT B Y MNOR QTZ VNLS WITH MNOR FSPR MVM SHARP LCT 65 DEG	65	0.000
0075.4	1.9	FX082431		FSPR	GY PK LOCL MOTTLED TO PK BY HM QTZ-C HLC VNS FG FSPR SHARP LCT		0.000
0076.9	1.5	FX082432	MVM	FSPR	AS ABOVE FIRST 0.2 M SYNT NOW MORE CR ANGE SVRL QTZ-CHLC-PYC VNS WKLY FE-C ARB		0.001
0078.9	2.0	FX082433	MVM	FSPR	AS ABOVE BCNG GY DH CUT BY SMLR QTZ- CARB-CHL-PY VNS SHARP LCT 55 DEG	55	0.001
0080.6	1.7	FX082434	MVM	FSPR	AS ABOVE FIRST 0.4 M CARB-TUFF CUT B		0.005

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG	AU
					Y HM-CHLC-MNOR QTZ VNLS LGCL MCOY CR BD 1 TO 2 PCNT PY MNOR PYC-CARB SYNT DH		
0082.1	1.5	FX082435			FSPR AS AT 75.4 M LOCL MORE GY-FE-CRBD		0.000
0083.6	1.5	FX082436			FSPR AS ABOVE		0.003
0085.9	2.3	FX082437			FSPR AS ABOVE BCMG ORANGE-ORXOD LGCL RIOCL ED BY QTZ MNOR CARB-CHL VNS AND LOCL VY BXTD SHARP LCT IN BC		0.001
0088.9	3.0	FX082438			PROT DK GRN-BK LOCL CRBD-PALE GRN CLT BY 0.2 M FSPR LOCL MUD AND TALCCESE CUT BY SVRL SRPT MNOR CARB VNS		0.000
0091.9	3.0	FX082439	MVVW	SRPD	NO LONGER FE-CRBD VY MTC CUT AND BXT D BY NMRS SRPT-VUGGY CALC		0.000
0103.9	12.0		MVVW	SRPD	AS ABOVE LOCL MG AND GRNR LGCL CUT BY LGE QTZ-CALC-PICRITE VNS BECOMES CLCR		
0106.7	2.8	FX082440	MVVW	CARB	SRPT MID GRN-WHT MG CUI AND LOCL RIO DLED BY FE-CARB VNS STGL MTC		0.000
0108.7	2.0		MVVW	CARB	SRPT BCMG CLCR AND DK GRN		
0124.9	16.2		MVVW	SRPD	AS BEFORE LGCL PYC AND TALCCESE MLD		
0127.7	2.8		MVVW	BIOT	LAMP BK MG NMRS BIGT FLAKES APPARENT FG MARGINS CLCR 2 TO 3 PCNT PY PALE GRN TALCCESE-SOAPSTONE INCS		
0132.6	4.9			SRPD	DNT GOOD ALTN TXTR STGL MTC FOH		

FOR THIS HOLE, ASSAYS OF THE FOLLOWING ELEMENTS HAVE BEEN RECEIVED..AU

BOREHOLE SUMMARY

FOOTAGE	MNZN	ROCK
0011.6		
0016.7	MVVW	FSPR
0017.1	MVM	CARB
0017.7	MVVW	FSPR
0019.6		WACK
0023.1		MSYN
0025.1		WACK
0025.6		FSPR
0028.7	MVVW	CARB
0030.4	MVM	FSPR
0032.2	MVVW	CARB
0033.8		FSPR
0034.9	MVM	CARB
0038.1	MVM	FSPR
0038.7	MVVW	MSYN
0045.4		MSYN
0045.9		CARB
0048.2		TUFF
0049.2		FSPR

0051.0		NYN
0052.0		CARB
0052.5	MVW	FSPR
0055.1		FSPR
0059.7	MVW	FSPR
0063.6	MVVW	FSPR
0063.8	MVW	CARB
0065.1		FSPR
0066.7	MVW	FSPR
0068.2		FSPR
0069.3	MVW	FSPR
0069.6		TUFF
0070.4		FSPR
0071.6		CARB
0072.4	MVW	FSPR
0073.5		SYNT
0075.4		FSPR
0080.6	MVVW	FSPR
0085.9		FSPR
0088.9		PRDT
0103.9	MVVW	SRPD
0108.7	MVVW	CARB
0124.9	MVVW	SRPD
0127.7	MVVW	BIOT
0132.6		SRPD

BOREHOLE RECORD

DATE PROCESSED AUG 08, 1981

GRID

CHK'D.....

BOREHOLE# PROPERTY NTS# SH# ANGM# DEPTH AZIMUTH BEARING DIP ELEVATION LATITUDE DEPARTURE
 54065-0 SNI-OPTION 321D4 EAST 01238 202 00 180 00 -40 00 0000 N000005 W 100 DATE.....

LOGGED BY...M L THOMSON STARTED...JUNE 20, 1981 COMPLETED...JUNE 23, 1981 ASSAY FOR...AU

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0323 -41 30 0610 -41 30 0933 -41 30 1219 -40 30

COMMENTS

MEASURED IN DECI-METERS CANICO DRILLING AN CAS PULLED POSITION
 WITH RESPECT TO CLAIM POST NUMBER TWO OF 396287-10 M N AND 160 M W

SAMPLE ENTRIES

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG.	AU
0000.0	0.0				COLLAR		
0027.4	27.4				AN CAS START OF CORE		
0059.7	32.3		MVW	MSYN	GRN-RED (HM) FG MASS CUT BY FEW HM C		
					ACL VNS CLCR 1 PCNT PY MNOR TALCOSE		
					PRPT INCS		
0146.9	87.2			PRDT	DK GRN FG TALCOSE LOCL VY BC WKLY TG		
					MODY MTC CUT BY AND LOCLY BXTD BY MS		
					YN DYKS SHARP LCT		
0158.2	11.3			MSYN	AS BEFORE NOW MORE WINE LOOKING LOCL		
					WK FOTN AT 50 DEG	50	
0391.7	233.5			SCH	TALCOSE FG DK GRN MTC CUT BY FEW CAC		
					L VNS LOCL LOOKS LIKE A CCNG BUT NOT		
					CLEAR WKLY FOTO-SCHTOSE AT 6K DEG CU 65		
					T BY CLCR MSYN AT 188.9 DECI-M (DM)		
					709 DM BXTD AT 262.2 DM MSYN AT 321.		
					0 DM FOR 3.9 DM AND AT 341.3 DM FOR		
					3.1 DM HERE WK FOTN AT 20 DEG ANG BC 20		
					MG VY CLCR SHARP LCT 30 DEG		
0409.4	17.7	FX082441	MVW	MSYN	UNUSUAL DK BRICK RED FG WIGH MG FSP	0.000	
					PORPHS SPOTTED BY BK BIOT FLAKES VY		
					CLCR SECOND DYKE OF SAME IS SEPERATE		
					D BY 7.9 DM OF PRDT		
0462.3	52.9			SCH	DK GRN FG TALCOSE WELL FOTO AT 30 DE 30		
					G ALTD BY HM CALC VNS MSYN DYKES LOC		
					LY RUN SUBPLL TCA RESULTING IN VY BC		
					LOCL PALER GRN PROB DUE TO ALTN CUT		
					BY MNOR MSYN		
0530.4	68.1	FX082442		CONG	DM MG DK TO MID GRN WKLY FOTN 55 DEG	0.000	
					CLASTS INCLUDE CHLC, MSYN WHITISH FEL		
					SIC SIZE RANGES FROM .5 TO 2 MM LCT		
					CARB-TALC		
0548.3	17.9	FX082443	MVW	CARB	SYNT GY-PK FG LOCL OR ANGLE WHERE DK	0.001	
					DD WK-MOD FOTN-SLIP SURFACES 75 DEG	75	
					3-4 PCNT PY QTZ VN UCT MUDY FE-CR80		
0563.3	15.0	FX082444	MVW	CARB	SYNT AS ABOVE	0.001	
0567.8	4.5	FX082445	MVW	CARB	SYNT AS ABOVE SHARP LCT APRX 70 DEG	0.000	
0582.8	15.0	FX082446	MVW	CARB	LPTF MOTTLED GRN-PINK-GY MG FOTN 65	0.000	
					DEG 4 PCNT PY ALSO PUSS PHASE CF SYN		

DEPTH	LENGTH	SAMPLE#	MN LN	ROCK	DESCRIPTION	ANG	AU
					T BECAUSE GRNL CT NOTED WHERE CUT BY BKNT DYKE OF ABOVE		
0590.7	7.9	FX082447	MVW	CARB	LPTF AS ABOVE CUT BY WTZ-CARB VNS 5 PCNT PY SHARP LCT 65 DEG		0.001
0601.7	11.0	FX082448	MVW	CARB	TF(Q)BUFF-GY FG MASS CALLED CARB TUF F BECAUSE RESEMBLES QUEENSTON 4 TO 5 PCNT PY MNOR QTZ CARB VNS SHARP LCT 80 DEG	80	0.002
0632.8	31.1	FX082449		CARB	AS BEFORE AGAIN PROB MAFIC PHASE OF SYNT MG BIOT-CHL RICH WK FOTN 65 DEG 65. SHARP LCT 75 DEG		0.000
0641.9	9.1	FX082450	MVW	CARB	SYNT HM FG MASS BRICK-PALE GRN CUT B Y MNOR QTZ-CARB VNS 3 TO 4 PCNT PY S HARP LCT APRX 70 DEG	70	0.001
0651.7	9.8	FX082451	MVVW	CARB	GY-WACKE OR DYENO-DIORITE GY-GRN MG SPOTTED BY ROUND FE-CARB BLEBS CUT B Y QTZ CARB VNS BXTD SHARP LCT		0.000
0666.6	14.9	FX082452	MVVW	FSPR	ORANGE-BUFF FG WKLY FSP PRPC LOCL CU T BY SVRL QTZ CARB VNS FIRST 40 DM T AN-GRN AND BXTD BY CR-MICA AND CHL V NS SHARP LCT 30 DEG	30	0.001
0670.3	3.7	FX082453		CARB	FUCHSITE PALE EMERALD-GRN SCH IREG T O 60 DEG SHARP LCT 60 DEG	60	0.001
0670.9	0.6	FX082453	MVW	FSP	PR AS BEFORE 1 PCNT PY MORE QTZ CARB VNS SHARP LCRT 70 DEG		0.001
0675.7	4.8	FX082454	MVW	CARB	-FUCHSITE AS BEFORE LESS SCHTQSE 7-8 PCNT PY		0.000
0683.7	8.0	FX082454	MVVW	CARB	-FUCHSITE UNUSUAL GRN-BK CRBICULAR T EXTURE POSS VY ALTD PROT SHARP LCT 3 5 DEG		0.000
0699.5	15.8	FX082455	MVW	CARB	PRDT-UM CGLIQIMID GRN-BK F-MG VY CAR D POSS FAULTED-SHEARED AT 40 DEG 2-3 40 PCNT PY SHARP LCT 75 DEG		0.001
0714.2	14.7	FX082456	MVVW	FSPR	AS BEFORE PK-GY SHARP LCT 65 DEG	65	0.000
0718.7	4.5	FX082457	MVW	CARB	IF GY-GRN FG HMGS 1 PCNT PY SHARP L CT 45 DEG		0.028
0734.9	16.2	FX082458	MVVW	FSP	PR BRICK-ORANGE FG FSP PRPC CUT AND BXTD BY QTZ CARB VNS MNOR CARB FUCHS ITE INCS SHARP LCT 70 DEG	70	0.000
0749.5	14.6	FX082459	MVW	FSPR	BUFF-PK LOCL ORANGE (OXID) FIRST 29 DM CARB FUCHSITE-TUFF CUT BY MNOR QT Z CARB VNS 1 PCNT PY		0.002
0762.0	12.5	FX082460	MVVW	FSPR	AS ABOVE NO INCS		0.000
0775.1	13.1	FX082461	MVVW	FSPR	AS ABOVE NO INCS		0.000
0807.7	32.6	FX082462	MVVW	FSPR	AS ABOVE NO INCS SHARP LCT 45 DEG AL 45 L OF ABOVE WKLY FE-CARBO		0.000
0824.1	16.4	FX082463	MVW	CARB	PRDT LOCL FUCHSITIC DK-MID GRN LOCL ORBICULAR 36 DM 10-12 PCNT PY OVERAL L 2 PCNT PY POSS INTERFLOWS (Q)		0.004
0837.2	13.1	FX082464		CARB	PRDT AS ABOVE MOSTLY ORBICULAR		0.000
0852.2	15.0	FX082465		CARB	PRDT AS ABOVE HERE MOSTLY BUFF PYC I NTERFLOWS-ALTMIC) SHARP LCT 55 DEG	55	0.000
0867.5	15.3	FX082466	MVW	CARB	SYNT PK-MNOR-GRN TO MORE BRICK FG CU T BY MNOR QTZ CARB VNS 3-4 PCNT PY A LTD GRNL LCT		0.000

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG	AU
0881.5	14.0	FX082467	MVW	CARB	FUCHSITE Q-1 CLASSIC EMERALD GRN TO TAN-GRN TIDDED BY CAT8-QTZ VNS SCSY 50 DEG I PCNT PY		0.002
0893.7	12.2	FX082468		CARB	FUCHSITE AS ABOVE MORE TAN DH SHARP LCT 70 DEG	70	0.000
0907.4	13.7	FX082469	MVVW	CARB	TUFF GRN-TAN FG HMG5 WK FOTN 70 DEG INTERBEDDED(Q) WITH TALCOSE PRDT-SED (Q) CUT BY MNOR SYNT DYKE (C) ALL SEEM GRNL		0.000
0915.9	8.5	FX082470	MVVW	CARB	TUFF AS ABOVE GRNL LCT		0.000
0934.2	18.3	FX082471		GREY	WACKE GY-BK F-MG WK FOTN 65 DEG CUT BY MNOR QTZ-CARB VNS MNOR CARB TALC PRDT ZONE SHARP LCT ALTN FRONT(Q)	65	0.000
0947.3	13.1	FX082472		CARB	-GREYWACKE ALTN CLEARLY SEEN AS CARB TUFF TAN-GRN FIRST 12 DH FUCHSITIC L AST 33 DH FUCHSITIC CARB-PRDT (MTC) SHARP LCT 80 DEG		0.000
0963.5	16.2	FX082473		FSPR	BUFF PK FG FSP PRPC CUT BY FEW CARB-CHL VNS MNOR CARB-FUCHSITE INCLS SHARP LCT 80 DEG	80	0.000
0977.2	13.7	FX082474		CARB	-FUCHSITE GRNL TO CARB-PRDT (BK-WHT MNOR EMERALD) CUT BY NMRS CARB VNS-P ATCHES		0.000
1036.5	29.3	FX082475		CARB	-PRDT AS ABOVE LOCL TALCOSE		0.000
1037.2	30.7	FX082476		CARB	-PRDT AS ABOVE VY MOTTLED		0.001
1070.2	33.0	FX082477		CARB	-PRDT AS ABOVE LESS EMERALD		0.000
1096.7	26.5	FX082478		CARB	-PRDT AS ABOVE WITH DK-GRN PRDT INCL S		0.002
1137.2	40.5	FX082479		CARB	-PRDT AS ABOVE		0.000
1178.7	41.5	FX082480		CARB	-PRDT AS ABOVE 5 DM LOST CORE DH		0.000
1194.5	15.8	FX082481		CARB	-PRDT AS BEFORE GRNL LCT		0.000
1237.5	43.0	FX082482		PROT	SRPD F-MG DK-GRN CUT BY NMRS PICRITE VNS STRL MTC FOH		0.000

FOR THIS HOLE, ASSAYS OF THE FOLLOWING ELEMENTS HAVE BEEN RECEIVED..AU

BOREHOLE SUMMARY

FOOTAGE	MNZN	ROCK
0027.4		
0059.7	MVW	MSYN
0146.9		PRDT
0158.2		MSYN
0391.7		SCH
0409.4	MVW	MSYN
0462.3		SCH
0530.4		CUNG
0601.7	MVW	CARB
0632.8		CARB

0641.9	MVM	CARB
0651.7	MVM	CARB
0666.6	MVM	FSPR
0670.3		CARB
0670.9	MVM	FSP
0675.7	MVM	CARB
0683.7	MVM	CARB
0699.5	MVM	CARB
0714.2	MVM	FSPR
0718.7	MVM	CARB
0734.9	MVM	FSP
0749.5	MVM	FSPR
0807.7	MVM	FSPR
0824.1	MVM	CARB
0852.2		CARB
0881.5	MVM	CARB
0893.7		CARB
0915.9	MVM	CARB
0934.2		GREY
0947.3		CARB
0963.5		FSPR
1194.5		CARB
1237.5		PROT

BOREHOLE RECORD

DATE PROCESSED AUG 11, 1981

GRID

CHK'D.....

BOREHOLE# PROPERTY NTS# SH# ANOM# DEPTH AZIMUTH BEARING DIP ELEVATION LATITUDE DEPARTURE
 54066-0 SNI-OPTION 320/4 EAST 01036 216 00 180 00 -40 00 0000 SC00250 W000100 DATE.....

 LOGGED BY...M THOMSON STARTED...JUNE 24, 1981 COMPLETED...JUNE 27, 1981 ASSAY FOR...AU

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0323 -43 30 0601 -43 30 0933 -32 00

COMMENTS

LOGGED IN DECI-METRES POSITION WITH RESECT TO CLAIM POST NO 1 G
 F 523072 10 M S AND 186 M W

SAMPLE ENTRIES

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG	AU
0030.0	0.0				COLLAR		
0027.4	27.4				AW GAS		
0042.7	15.3	FX082483	CARB		FUCHSITE PALE EMERALD GRN FG WKLY F0 55	0.000	
					TO SPOTTED BY REJECT CHROMITE GRAINS (Q) LOCL OXID CUT BY FEW QTZ MNOR CA RB VNS		
0047.2	4.5	FX082483	CARB		PRDT VY SIMILAR TO ABOVE BUT NW PAL 45 E GY-GRN SPOTTED BY HT GRAINS (SOFT) SHEARED-FGTD MTC	0.000	
0052.1	4.9	FX082484	PRDT		BK-GY FG SHEARED MTC WKLY FE-CRBD CU 50	0.000	
					I BY FEW CARB VNS		
0104.2	52.1	FX082485	MSYN		DICRITE BK-WINE F-MG SEEMS TO BE CI DIFFERENT PHASES COARSER FRACTURE DEF DICRITE WITH ACICULAR AMPH FINER FRA CTION MORE LIKE MSYN CTS ARE GRAL WK LY CLCR ANGR PROT (TALCOSE INCS)	0.000	
0125.3	21.1		HVVW	MSYN	WINE-BRN F-MG MASS LOCL ACICULAR CH L AND DORL PY CUT BY FEW QTZ-CARB VA S LOCL BXTD BY CHL VNS FEW TALCOSE (I PROT) INCS SHARP LCT	70	
0186.5	61.2		PRDT		JK GRN-BK F-MG LOCL VY TALCOSE FGTD SHEARED POORLY FE-CRBD LOCL CONULATE TEXTURED	50	
0199.0	12.5	FX082486	PRDT		AS ABOVE NOW MORE FE-CRBD SHARP LCT	60	0.000
0220.1	21.1	FX082487	HVVW	MSYN	BRICK FG MASS LOCL VJ WKLY FSP DRPCR IDDED BY FG MUSCOVITE (Q) PLACES CR SIDERITE CUT BY CARB-CG MT VNS I PCN I BY		0.000
0231.0	10.9	FX082488	CARB		PRDT-FUCHSITE PALE GY-GRN TO EMERALD GRN (ALL GRNL) FG F0TD-SHEARED LUT B +D Y CARB-QTZ VNS SHARP LCT		0.000
0249.0	18.0	FX082489	HVVW	MSYN	WINE-BRN F-MG MASS TO LOCL WKLY FCT 40 D SPOTTED BY MASS FE-CARB XTL CUT B Y FEW CARB-QTZ-VNS WKLY CLCR LOCL LO URS VY ASSIN REALLY NOT SURE WHERE P RT INCS BEGIV OR STOP FIRST 3 OR 5 SEMS TO BE A FG SLCS SED (Q) CR CYLT PRDT PRNT CUT BY MSYN JYKES LOCL MTC		0.000

DEPTH	LENGTH	SAMPLER	MINI	ROCK	DESCRIPTION	AVG	AU
0268.5	19.3	FX032490	MVV	MSYN	SIMILAR TO ABOVE BUT NOW MORE MSYN (NOT AS MTC) AND MORE FE-CARB XICS CU FROM VY BXTD BY CARB VNS POSSIBLITY EXISTS THAT THIS IS HM PROT (VY ALTD) MORE EQUIGRANULAR MG PORTION PROB DIORITE BUT COULD BE A GRIT-NC CLASTS EVIDENT AND QTS ARE SHARP IREG LCT IN BC	40	0.030
0282.9	14.4	FX032491	MVV	MSYN	UNUSUAL BRICK FG MASS MOTTLED BY GY-CX MTC PATCHES CUT BY FEW CARB-QTZ VNS AGAIN VY SUSPICIOUS ABOUT NATURE BECAUSE MTC-NON-COOR COULD WELL BE A ALTD HM SHARP LCT 50 DEG	40	0.030
0303.3	20.4	FX032492		MSYN	45 AT AGAIN COLOURATION IREG BRN-ORNG WKLY CLOR LOCL EQUIGRANULAR MG MORE TALC (MJD) INCL RTC LAST 1 5 DM UNUSUAL ORBICULAR TEXTURE AND F 1 MASS POSS ALTH OR AMGD	45	0.000
0325.8	22.5	FX032493	MVV	MSYN	BRN-ORANGE F-MG EQUIGRANULAR WKLY F 45 QTY 45 DEG 3 PONT PY MGR FUCHSITE 1 MCL LCT GRNL TO VY FG 75 AND SHARP 7 5 DEG	45	0.000
0339.9	14.1	FX032494		CARB	PROT PALE GY-GRN MG SHEARED WKLY FUC HSITIC FE-CARB PROT FOTN AT 40 DEG IREG LCT	40	0.030
0352.3	12.4	FX032495		CARB	PROT PALE GRN VY FG LOCL 50 RE-XITIZE D THAT IT LOOKS LIKE CARB TUFF OF CU BENSION OCT CUT BY IREG HM SYN ELSEW HERE FQGR AND WKLY FUCHSITIC CUT BY FEW CARB-QTZ VNS	40	0.030
0357.3	5.5	FX032496		CARB	FUCHSITE EMERALD GRN MG FUCHSITIC RI ORLED BY QTZ-CARB VNS MGR ORANGE DO WHITE (J) LCT AT QTZ-VN	40	0.000
0371.2	13.4	FX032497	MVV	CARB	FUCHSITE SIMILAR TO ABOVE BUT NOW LE SS FUCHSITE AND FEWER QTZ-CARB VNS F QTY 45 DEG CAN SEE RELICT PROT TEXTURE 1 PONT PY	40	0.030
0387.1	15.3	FX032498	MVV	CARB	LTP BUFF-GRN FG MGS LOCKING EXCEPT FERROPHENOCRYSTS OF AMPH AND MICA (PR OR SERICITE) WKLY TO MGDY MTC LOCL L CLKS LIKE A FRAGMENTAL WITH CHL MATR IC CUT BY FEW QTZ-CARB VNS GRNL LN T (NON-FE-CRB) AND SLIGHTLY HM 1 PONT 45 PY GRNL LCT	40	0.008
0415.4	20.0	FX032499		CARB	AT ABOVE BUT NOW BUFF-WINE AMPH WHEN (VY VNS) BY CALC 60MG MORE HM L DEP MGRY CARL	40	0.000
0450.5	30.1	FX032500		CARB	AT ABOVE WKLY FOTN 40 DEG SHARP LCT 25 FG	40	0.000
0456.5	15.1	FX032501	MVV	TALC	PROT BK GRN FG TALC FAIRLY FMS GREA QTY AT 50 DEG LOCL MJD SHARP LCT IN 50	40	0.000
0476.2	27.0	FX032502		CARB	PROT PALE GRN-VY FG TALOSE SHEARED AT 45 DEG CUT BY LARGE CARB-QTZ VNS WITH TALC 40 10V 45MG	40	0.000

DEPTH	LENGTH	SAMPLE#	WZN	ROCK	DESCRIPTION	ANG	AU
0526.1	29.9	FX082502	MVA	CARB	PPRT AS ABOVE LOCAL MORE FUCHSITIC PY OCURS IN QTZ-CARB VNS 1-2 PCNT PY W WKLY MTC		0.000
0555.0	23.9	FX082503	MVA	CARB	PPRT AS ABOVE MORE GR DK SHEARD 55 D 55 50 WKLY MTC		0.000
0583.7	28.7	FX082504	MVA	CARB	PPRT AS ABOVE QTZ-CARB VNS ARE MORE HARS BUT THINNER SHEARD AT 50-60 DE G		0.000
0614.3	30.8	FX082505	MVA	CARB	PPRT AS ABOVE 1 PCNT PY ASSOC WITH V NS FE-CARB XTCS EVIDENT		0.000
0637.0	22.5	FX082506		CARB	PPRT AS ABOVE CORE VY BROKEN DR LCT IN BC		0.000
0657.5	30.5	FX082507	MVA	MSYN	BROWN-VINE AG EQUIGRANULAR POSS ALSO CALL IT A DIORITE BONG VY FG AT LCT WHICH IS IN BC		0.000
0693.1	25.6	FX082508	MVA	MSYN	BROWN-VINE FG WITH PSEUDOCRYSTS OF AMP H CUT BY CALC-QTZ VNS 1 PCNT MG PY		0.000
0736.4	15.3	FX082509	MVA	PPRT	DARK-GRN CUT BY HARS CARB QTZ VNS 1 PCNT PY MTC		0.000
0727.0	18.6	FX082510	MVA	PPRT	AS ABOVE PY IN CARB-QTZ VNS 1-2 PCNT PY BECOMING MORE SOSS DR SHARP LCT 7 70 0 DEG		0.000
0742.2	15.2	FX082511	MVA	FDPR	PK TO BUFF WITH NECS CLTS OF AMP FR-MED G MIX FDPR 1-PCNT PY PCLC		0.000
0749.8	7.6	FX082512	MVA	FDPR	AS ABOVE WITH RND CLTS OF FLSC AND PHCR OF AMP 1 PCNT PY SHARP LCT 60 D 60 55		0.000
0765.0	15.2	FX082513	MVA	FDPR	AS ABOVE (FRST 10 DR TALC SCHIST SOFT GRN COLOR 2-3 PCNT PY SHARP LCT WITH FDPR 60 DEG)		0.000
0794.0	29.0	FX082514	MVA	FDPR	AS ABOVE CLEAR MORE MAFIC CLASTS FSP PHCR APP ZONED AND ANGULAR LCT BY MN DR QTZ VNS 2 PCNT PY		0.000
0823.0	29.0	FX082515	MVA	FDPR	AS ABOVE LOCAL DXTD BY CHLC VNS AND M UPS USED		0.000
0873.2	47.2	FX082516	MVA	FDPR	AS ABOVE SHARP LCT AT 30 DEG WITH PR 30 GT INCL (W) AN UM THEN FDPR BCM PMP PFC DK BRN THIS IS PROB CT PH USE INCS OF TALC PROT MAKES FOR VY B C SHARP LCT APPX 30 DR LC		0.000
0892.0	22.3	FX082517	MVA	PPRT	GY-BK FG WKLY FE-CARB LOCAL TALCOSE C UT BY DARK GREENISH CARB-QTZ VNS WITH GR PYRITE BODY MTC		0.000
0914.0	42.1			PPRT	DR GR-BK FG CUT BY DPL WHITE CARB IN P QTZ VNS LOCAL WITH GR PY MTC		
1035.1	100.6			PPRT	AS ABOVE BUT W/DR HD CULTRATE TEXTURE W/GRY SKPT RCH		

FOR THIS BULKY ASSAYS OF THE FOLLOWING ELEMENTS HAVE BEEN RECEIVED: AU

BOREHOLE SUMMARY

FOOTAGE SIZE ROCK

0027.4
 0047.2 CARB
 0052.1 PROT
 0104.2 MSYN
 0125.3 MSYN
 0199.0 PROT
 0220.1 MSYN
 0251.0 CARB
 0249.0 MSYN
 0260.5 MSYN
 0252.9 MSYN
 0303.3 MSYN
 0325.8 MSYN
 0357.8 CARB
 0367.1 CARB
 0450.5 LAMP
 0466.6 TALC
 0476.2 CARB
 0526.1 CARB
 0533.7 CARB
 0614.5 CARB
 0617.0 CARB
 0607.5 MSYN
 0693.1 MSYN
 0727.0 PROT
 0870.2 SDPR
 0852.5 PROT
 1005.1 PROT

BOREHOLE RECORD

DATE PROCESSED CCT 06, 1981

GRID

CHK'D *JP*

BOREHOLE# PROPERTY NTS# SH# ANOM# DEPTH AZIMUTH BEARING DIP ELEVATION LATITUDE DEPARTURE
 54067-0 SNI-OPTION 32D/4 EAST 01570 216 CO 180 CO -40 00 CCGO N000225 E000300 DATE.....
 LOGGED BY...M L THOMSON STARTED...JUNE 28, 1981 COMPLETED...JULY 03, 1981 ASSAY FOR...AU

INCLINATION AND TROPIC TESTS

DEPTH AZIMUTH CIP DEPTH AZIMUTH CIP DEPTH AZIMUTH CIP DEPTH AZIMUTH CIP DEPTH AZIMUTH CIP
 0305 -38 00 0610 -38 00 1067 -41 00

COMMENTS

CANICO DRILLS AW CAS PULLED LOGGED IN DECIMETRES 6 M CAS ERCKEN
 40 M SOUTH 30 M WEST POST 1 CL 152135C

SAMPLE ENTRIES

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG	AU
0000.0	0.0				COLLAR		
0134.1	134.1				AW CAS START OF CORE		
0169.8	35.7	FX082518	SCH	DK GRN TALCOSE-CHL	SCH FG SCSY 55 DE 55	0.000	
					G FEW WACKEL(Q) BRWN BND F-PEI INTER BEDS LOCL VY BC SPOTTED BY FE-CARB X TLS. ALSO CUT DH BY MSYN SHARP LCT 70 70 DEG		
0226.5	56.7	FX082519	MVVW	WACK	E GRN-BK CHL-CARB EQUIGRANULAR GRAIN S FCIN-SCSY 30-40 DEG MNOR FLAKES CF 35 BIOT ALSO INCLUDES ANGULAR CLGTS CF CHL CUT BY MNOR CARB VNS POSS ALSO A ALTD BSLT	0.000	
0237.4	10.9	FX082520	MVVW	WACK	E AS ABOVE SHARP LCT 50 DEG	0.000	
0241.1	3.7	FX082521	MVW	CARB	MUDSTCNE OR TUFF (Q) TAN FG LCKS RE UTILIZED POSS INTERFLCH SEC 2 PCNT FY SHARP LCT IN BC	0.000	
0250.2	5.1	FX082522	MVVW	CARB	WACKE SIMILAR TO BEFORE CUT NOW PALE GRN-WHITE MG GRNL CH TO FUCHSITIC W ERE CUT BY QTZ-CARB VN GRNL LCT	0.000	
0265.8	15.6	FX082523	MVVW	CARB	WACKE NOW MID GRN F-MG WKLY ENCD 45 45 DEG FAIRLY HPGS AND EQGR CCULD BE FT X TC CCNG CF BELOW GRNL LCT	0.000	
0277.1	11.3	FX082524	CARB		FUCHSITE PRCB AS ABOVE BUT NOW ALPES T ALL REPLACED JODY FUCHSITIC BUT LC CL GY-BK CUT BY FEW CARB-CTZ VNS	0.000	
0305.7	28.6	FX082525	MVVW	CARB	FUCHSITE PALE GRN F-MG LOCL LCKS EX TD BY CARB-QTZ VNS COULD BE CARB-PRC T BUT THIS ISN'T CLEAR	0.000	
0321.6	15.9	FX082526	CARB		FUCHSITE AS ABOVE BUT IN-HPGS FIRST 21 CC BUFF ALMST PURE FE-CARB WITH MNOR PATCHES DH ALSO GY GRN RELICTS AS AT DM GRNL LCT	0.000	
0331.3	9.7	FX082527	CARB		FUCHSITE AS ABOVE FIRST 3C CH ENCD A 7C T 70 DEG SHARP LCT R 70 DEG	0.000	
0346.6	15.3	FX082528	CARB		GPITIC) ALL FE-CARB F-MG HPGS GY-GRN DH CKDD AND BND AT 40 DEG PCSS CARB 4C PRDT PALE GRN	0.000	
0362.4	15.8	FX082529	CARB		GPIT AS ABOVE BUT NOW GY-GRN CLT BY	0.000	

DEPTH	LENGTH	SAMPLE#	MNZN	RECK	DESCRIPTION	ANG	AU
0377.0	14.6	FX082530	MVVW	CARB	FEW CARB-QTZ VNS DH A LITTLE GRNER AND LCCL DK GRN HERE DK GR FXIC PY QTZ-CARB VA LOCKS CHL BUT ACN-PTC WK FOTN 35 DEG LCT AT QTZ VA FUCHSITE EMERALD GRN LCCL DK GRN MG CUT BY FINE CHL VNS AND LCRGER QTZ-C. ARB VNS	35	0.000
0400.5	23.5	FX082531	MVVW	CARB	PRDT DK GRN MOTTLED WITH WHITE AS AP DVE BUR AS ALTD RICCLED BY QTZ-CARE 40 VNS WK FOTN 40 DEG SHARP LCT 40 DEG 40 PSS CAR CONG OF BELCH BUT ICC ALTC TO TELL		0.000
0417.3	16.8	FX082532		CARB	PRDT AS ABOVE FIRST 35 DM AND LAST 1 2 DM MAFC GRIT SHARP IRREG LCT APRX 50 50 DEG		0.000
0431.9	14.6	FX082533	MVM	QTZ	VA WITH PINK-PRANGÉ SYNT, GY-GRN GRI T AND BUFF INCS 3-4 PCNT PY LCCL CLT BY AND BXTD BY CHL VNLS SHARP LCT 1 N BC		0.000
0454.5	22.6	FX082534	MVVW	GWKE	DK-GRN GY F-MG PANEG BY SIZE FRACTI ON SOME BANDS ARE OFFSET HIATS OF ER ADED BEDDING WITH TOPS DH THIS KCLL D SUGGES UNITS ARE CYER TURNED EQUIV ALENT TO O/C ON HIGHWAY WHICH HAS TC PS ARE TO THE NORTH (Q) SHARP LCT IN B C		0.000
0499.0	44.5	FX082535	MVVW	CONG	DK GRN-BK WITH WHITE SPOTS CF FE-CAR B XTLS CLASTS ATE CHLC, SOME ARE WIG HTER COLOURED PSS FELSIC (EICRITE) 65 WKLY FE-CRBD SHARP LCT 65 DEG	65	0.000
0535.8	36.8	FX082536	MVM	GWKE	AS BEFORE BUT NOW SPOTTED BY FE-CARB XTLS BNDG AT 65 DEG FEW MAOR ANGULAR 65 CHLC CLASTS SHARP LCT 55 DEG 1 PCNT 55 PY	65	0.000
0549.6	12.8	FX082537	MVVW	CONG	AS ABOVE GNE CLAST LOCKS LIKE CG GAE BRG CUT BY 22 DM BRICK SYNT CYKE WIT H ASSOC QTZ-CARB VNS CT AT 7C DEG GR 70 NL LCT		0.000
0608.1	58.5	FX082538	MVM	GWKE	AS BEFCRE BUT NOW VAGUE PATCHES WFER E HM AND SLFD (PINK AND ASSCC WITH Q TZ VN(C)) COD FELSIC FRAGMENTAL CLAS T NCTED AT LCT 1-2 PCNT FG PY SHARP LCT		0.000
0617.8	9.7	FX082539		CARB	CONG FIRST 36 DM CARB FSP FRAG-PCRHI QIPINK FG FEW FSP PCR/FRAGS CLT BY FEW QTZ-CARB VNS REMAINDER FUCHSITIC CONG WITH MAOR CARB-QTZ VNS		0.000
0654.4	36.6	FX082540	MVVW	CARB	CONG FIRST 83 DM PROT CUT AND SPCTIE D BY FE-CARB REMAINDER IN-FMGS LCCL FUCHSITIC, CHLC BUT ALL WIT FE-CARB XTLS GRNL DH TO CONG LOCL CLCR		0.000
0677.0	22.6	FX082541		CONG	GRN SLIGHRLY PINK MG FAIRLY EQUICRAN ULAR MAOR CHL AND QTZ CLAST CUT BY FEW QTZ-CAR VNS LAST 37 DM FG AND 3 LCS SHARP LCT 80 DEG	80	0.000

DEPTH	LENGTH	SAMPLE#	MIN	ROCK	DESCRIPTION	ANG	AU
0691.1	14.1	FXC82542		CARB	FUSCHITE PALE EMERALD F-MG CUT AND 2 XTD PY CARB-QTZ VNS PROB CCAR LAST 2 6 DM GRITTY LOOKING LCT OXID		0.000
0705.3	14.2	FXC82543		CARB	FUCHSITE AS ABOVE SHARP LCT 60 DEG	60	0.000
0725.1	15.8	FXC82544	MVM	CARB	FSP FRAGMENTAL/PRPH PINK GRNL TC MCR E GY TRAFIC MTX) 1 PCNT FG PY FER PA OR QTZ VNS SHARP LCT 65 DEG	65	0.001
0740.1	15.0	FXC82545		CARB	FUCHSITE/CCNG AS ABOVE		0.000
0756.8	16.7	FXC82546	MVM	CARB	FUCHSITE/CCNG AS ABOVE MNCR PINK-FSP CLASTS QUICK GRNL LCT		0.000
0778.2	21.4	FXC82547		G&K	DK GRN GRITTY LOOKING FG AT LCT GRNL DM TO MG SPOTTED BY CHL CLASTS CLT B Y MNCR QTZ-CARB VNS GRNL LCT		0.000
0800.7	22.5	FXC82548		CARB	CCNG DK GRN LOCL PALE EMERALD ALTERN ATING ZONES OF TALCOSE FRAGS AND CAR B PATCHES SLCS FRAGS AT LCT		0.000
1217.7	417.0			MVM	CCNG UM FIRST 61 DM SPINIFEX CLASTS TFEA BCMG MORE GRITTY WITH NO CLASTS AT 9 29 DM AT 991 DM CLASTS ARE TALCOSE AG AIN CLAST VARY FRCH TENS CF DM TC M M THE SMALLER ONES CLUSTERING FG AT 1070 LOCL BCMS GRITTY AGAIN EXAMPL E 1135 DM FOR 27 DM AT 1200 CM PG FE -CARB XTLS BCM EVIDENT GRNL LCT SIMILAR TO ABOVE BUR ALL TALCOSE AND SPOTTED BY FE-CARB XTLS FIRST 27 CM MSYN DYKE LCT BCMG MORE FE-CRBD SPAR P LCT 75 DEG	75	0.001
1251.2	33.5	FXC82549	MVM	CCNG	GRN MNCR PINK F-MG EQUIGRANULAR GRIT MASS QY SUGARY LOOKING CUT BY MNCR C TZ-CARB VNS WITH PY AT MARGIN ROCK T YRE COULS ALSO BE A GRITTY SEDIMENT BUT NO CLEAR STRUCTURES SHARP LCT AT QTZ-CARB VN		0.001
1269.5	18.3	FXC82550	MVM	MSYN	BRN-PINK FG MASS LOCL FSP PFPD CLT BY FEW QTZ-CARB VNS 1-2 PCNT PY VY W KLY FE-CRBD POSS HM AND FG VERSION C F ABOVE		0.000
1285.3	15.8	FXC82551	MVM	SYNT	AS ABOVE		0.021
1300.3	15.0	FXC82552		SYNT	AS ABOVE SHARP LCT 70 DEG	70	0.002
1313.1	12.8	FXC82553		SYNT	AS AT 1269 DM HERE LGCS VY GRITTY PG SS A SED BUT MAY ALSO BE A DICRITE DM BCMG HM CUT BY SVRL QTZ-CARB VNS AND FE-CATB XTLS		0.057
1342.3	29.2	FXC82554		MSYN	AS AT 1269 DM HERE LGCS VY GRITTY PG SS A SED BUT MAY ALSO BE A DICRITE DM BCMG HM CUT BY SVRL QTZ-CARB VNS AND FE-CATB XTLS		0.001
1373.7	31.4	FXC82555	MVM	MSYN	HYBRID ZONE BRICK MAOR GRN F-PG PASS FAIRLY EQUIGRANULAR CUT BY SVRL QTZ- CARB VNS BY WKLY FE-CTBD LCCL GRNL T O PINK MNOR BXTN 1 PCNT FG PY PACR E NCG AT 70 DEG		0.001
1403.9	30.2	FXC82556	MVM	MSYN	AS ABOVE SEEMS MORE HM AND LCCL EXT BY LARGE QTZ VNS WITH CHLC FIMS		0.000
1432.6	28.7	FXC82557	MVM	MSYN	AS ABOVE MNOR FE-CATB XTLS FEWER QIZ -CARB VNS SHARP LCT		0.000
1445.4	12.8	FXC82558	MVM	SCH	DK GRN MOTTLED WITH WHITE CHL LCCL W KLY TALCOSE SCH SCZY 65 DEG CUT BY # 65		0.000

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG	AU
1459.7	14.3	FXC82559	MVVM	SCH	NOR MSYN AS ABOVE SHARP LCT 70 DEG	70	0.000
1480.4	20.7	FXC82560	MVVM	SYNT	BRICK FG MASS SPOTTED BY FE-CATB XTL S AND BXTD BY CHL VNS CUT BY QTZ-CAR B VNS MORE HYBRID LOCKING CH SHARP L CT APRX 45 DEG	45	0.000
1510.5	30.1	FX082561	PRDT	DK GRN FG TALCOSE MODY MTC NKLY FE-C			0.000
1524.6	14.1		PRDT	AS ABOVE SHARP LCT 75 DEG	75		
1558.4	33.8		MSYN	WINE-BRWN FG MASS FEW BIOT FLAKES SP CUT BY FE-CARB XTL SHARP LCT 70 C 70			
1569.7	11.3		PRDT	AS BEFORE EG ECH			

FOR THIS HOLE, ASSAYS OF THE FOLLOWING ELEMENTS HAVE BEEN RECEIVED, AU

REFERENCE SUMMARY

DEPTH	MNZN	ROCK
0134.1		
0165.8		SCH
0237.4	MVVM	WACK
0241.1	MVW	CARB
0265.8	MVVM	CARB
0277.1		CARB
0305.7	MVVM	CARB
0362.4		CARB
0400.5	MVVM	CARB
0417.3		CARB
0431.9	MVW	QTZ
0454.5	MVVM	GWKE
0499.0	MVVM	CONG
0535.8	MVW	GWKE
0549.6	MVVM	CONG
0608.1	MVW	GWKE
0617.8		CARB
0654.4	MVVM	CARB
0677.0		CONG
0702.2		CARB
0725.1	MVW	CARB
0740.1		CARB
0756.8	MVVM	CARB
0778.2		GWKE
0800.7		CARB
1251.2	MVVM	CONG
1269.5	MVVM	MSYN
1285.3	MVW	SYNT
1313.1		SYNT
1342.3		MSYN

1432.6	MVV	MSYN
1459.7	MVVW	SCH
1480.4	MVVW	SYNT
1524.6		PRDT
1558.4		MSYN
1569.7		PRDT

BOREHOLE RECCRD

DATE PROCESSED AUG 11, 1981

GRID

CHK'D.....

BOREHOLE# PROPERTY HTS# SH# ANOM# DEPTH AZIMUTH BEARING DIP ELEVATION LATITUDE DEPARTURE
 54068-0 SNI-OPTION 320/4 EAST 01192 202 00 180 00 -40 00 0000 N000005 W000156 DATE.....

LOGGED BY...M L THOMSON STARTED...MAR 07, 1981 COMPLETED...JUNE 07, 1981 ASSAY FOR...AU

INCLINATION AND TROPARI TESTS

DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP DEPTH AZIMUTH DIP
 0305 -42 00 0610 -42 00 0914 -42 00 1192 -42 00

COMMENTS

CANICO DRILL AW CAS PULLED LOGGED IN DECIMETRES POSITION WITH R
 RESPECT TO CLAIM POST NUMBER TWO OF 396287 30 M N AND 220 M W

SAMPLE ENTRIES

DEPTH	LENGTH	SAMPLE#	MNZN	ROCK	DESCRIPTION	ANG	AU
0000.0	0.0				COLLAR		
0030.8	30.8				AW CAS START OF CORE		
0093.3	62.5		MVW	MSYN	DK WINE-BRN FG LOCL HM 2 PCNT PY		
					CLCR FEW MNOR TALCOSE INCS SHARP LCT 80 DEG	80	
0112.5	19.2			BSLT	ULIVE GRN FG CUT BY MNOR CALCL VNS ALSO POSS CHL SCH SHARP LCT 65 DEG	65	
0149.9	37.4			MSYN	AS ABOVE MNOR BSLT INCS SHARP LC T 70	70	
0181.1	31.2			SCH	CONG DK GRN FG LOCL TALCOSE VAGDE HT NTS OF CLASTS CLCT VNS MNOR MSYN GRN L LCT		
0193.5	12.4	FX082562	MVVW	WACK	GY/GRN FG WKLY FOTD 60 DEG CLCT SHA RP LCT 80 DEG		0.000
0207.3	13.8	FX082563	MVVW	FSPR	-POSS PCLC PK-GY FG WITH FSP PHCR CU T BY MNOR QTZ-CALCL VNS		0.000
0222.8	15.5	FX082564	MVVW	FSPR	AS ABOVE BONG MORE PK		0.000
0237.1	14.3	FX082565	MVVW	FSPR	AS ABOVE MORE PK LARGE QTZ VNS SHAR P LCT 75 DEG	75	0.000
0246.3	9.2	FX082566	MVW	CARB	WKE GRN-TAN YG WELL FOTD 65 DEG CUT BY MNOR QTZ CARB VNS 1 PCNT PY IREG LCT	65	0.001
0260.0	13.7	FX082567	MVVW	FSPR	AS BEFORE MORE CLOUDED LAST 3 CM CAR B WKE		0.001
0274.5	14.3	FX082568	MVVW	FSPR	AS ABOVE MORE BUFF		0.000
0289.7	15.4	FX082569	MVVW	FSPR	AS ABOVE BONG HM		0.000
0300.2	10.5	FX082570	MVVW	FSPR	AS ABOVE SHARP LCT 75 DEG	75	0.000
0323.1	22.9	FX082571		SCH	(Q) DK GRN BK FG TALCOSE SPOTTED BY FF CARB XTLS POSS CONG MTX		0.000
0413.3	90.2			WACK	WINE GRN FG LOCL WELL BOND 65 DEG C LEAR SED SEQ INTERBEDDED WITH MORE TALCOSE UNITS CUT BY MNOR CALCL VNS MNOR BHT FLAKES SHARP LCT 55	65	55
0452.7	47.4			SOAP	STONE MID DK FG VY TALCOSE WITH MNRS SLIPS MNOR MSYN DYKE SHARP LCT 35 DE 35 G		
0478.5	15.6	FX082572		MSYN	(Q)GRN-GY FG MASS SPOTTED BY BICT-CH L FLAKES WKLY CLCR PJSS WKE SHARP LC		0.000

DEPTH	LENGTH	SAMPLE #	ROCK	DESCRIPTION	ANG	AU
0493.4	14.9	FX082573	MVVW FELS	T 35 DEG BUFF ORANGE LOCL GY VY FG ALMOST CH ERT MNDR CHL VNS 2-3 PCNT PY SHARP L	35	0.003
0508.1	14.7	FX082574	MVVW CARB	CT 70 DEG WKKE GY GRN FG MASS 1 PCNT PY CRBICU LAR TXTR NOTED NOT CLEAR OF NATURE	70	0.000
0522.7	14.6	FX082575	MVW FSPR	MNDR FSPR DYKE SHARP LCT 50 DEG BRICK TO LOCL GY GRN FG FSP PRPC MN OR CARB FUCHSITE INCS CUT BY FEW QT	50	0.001
0536.4	13.7	FX082576	MVW FSPR	Z VNS 2 PCNT PY AS ABOVE MORE CARB IN VNS		0.001
0548.3	11.9	FX082577	MVW FSPR	AS ABOVE SHARP LCT 45 DEG	45	0.001
0561.4	13.1	FX082578	MVW CARB	MUDSTONE(Q) NOW ALL FE CARB PALE GRN LOCL DRB TXTR MNDR SCH-CARB WKE IN TARBEDS		0.000
0573.0	11.6	FX082579	MVW CARB	MUDSTONE AS ABOVE SHARP LCT 60 DEG	60	0.000
0586.1	13.1	FX082580	MVVW WACK	SCH HYBRID ZONE RED GY GRN-DK GRN BUT LOCL REPLACED BY PAL GRN CARBICU		0.000
0602.9	16.8	FX082581	MVVW FSPR	SHARP LCT 65 DEG GY PK AS BEFORE SHARP LCT 40 DEG	65	0.000
0616.9	14.0	FX082582	CARB	WKE GY GRN MG WKRY FOTO 40 DEG CUT(Q)BY CARB PATCHES MNDR PK FSP CL CTS SHARP LCT 60 DEG	40	0.000
0639.9	23.0	FX082583	MVVW FSPR	DK BRICK AS ABOVE CUT BY FEW QTZ-C ARB VNS SHARP LCT IN BC	60	0.000
0657.0	17.1	FX082584	WACK	GY GRN FGMG EQGR WKLY FE CARB LOCKS CLASTIC WK FOTO 40 DEG SHARP LCT AT 40 QTZ VN	40	0.000
0673.3	16.3	FX082585	CARB	WKE PHL GRN MG CUT BY FSPR		0.000
0683.4	10.1	FX082585	MSYN	WINE BRWN MG MASS SVRL BIOT FLAKES 4 DM TALCOSE BIOT HRFL(Q) SHARP LCT APRX 20 DEG VY PYC		0.000
0720.9	37.5	FX082586	CARB	SCH PALE GY GRN FG FOTO 60 DEG LOCL WKLY MTC PCSS CARB WKKE BUT TOO ALTD TO DAY LCT SEEMS GRNL TO WKKE SHARP LCT 80 DEG	60	0.000
0732.4	11.5	FX082587	MVW CARB	FSPR BUFF PK GRNL TO DK BRICK 2-3 P CNT PY MNDR QTZ VNS SHARP LCT 65 DEG	65	0.001
0757.7	25.3	FX082588	CARB	SCH AS BEFCRE AGAIN NOT CLEAR AS TC PRECURSER INTERBEDDED WITH SVRL TALC BIOT BEDS SHARP LCT 60 DEG		0.000
0763.2	5.5	FX082589	MVVW FSPR	AS ABOVE CUT BY(Q)MSYN(Q) (VY FG) SFA RP LCT 65 DEG	65	0.000
0795.5	32.5	FX082590	CARB	SCH AS BEFORE LOCL UNUSUAL CTS APPEA R TO BE GRNL WITH FSPR ALSO CRBICUL AR POSS CONG		0.000
0821.7	26.2	FX082591	CARB	SCH AS ABOVE MORE GY LOCL RELIC SRPT CLASTS(Q) ALSO FG TALC-BIOT INTERBEDS SHARP LCT 75 DEG	75	0.000
0851.9	30.2	FX082592	MSYN	WINE-BRWN F-MG LOCL FSP PRPC LCT EXT D AND SHARP 75 DEG	75	0.000
0884.5	32.6	FX082593	MVVW CARB	SCH-SOAPSTONE PALE GRN-GY TO DK GRN LOCL VY TALCOSE MODY MTC WKLY FOTO 70 J DEG CUT BY MNDR MSYN OBVIOUS UP GR	70	0.000

DEPTH	LENGTH	SAMPLE#	MIN	ROCK	DESCRIPTION	ANG	AU
0928.7	44.2	FX082594	MVVH	CARB	IGIN SCH AS ABOVE BCMG MORE BNDD TALCOSE LESS FE-CRBD MNCR CARB-WACKE(Q) INTE KBED MORE GRITTY LOOKING SHARP LCT A T MUD		0.000
0945.4	14.7	FX082595	MVVH	FSPR	BRICK GY FG FSP PRPC CUT BY MNDR CKL VNS		0.000
0958.9	15.5	FX082596		FSPR	AS ABOVE BCMG MORE BRICK AND MORE BR JKEN		0.001
0973.2	14.3	FX082597		FSPR	AS ABOVE		0.001
0995.2	22.0	FX082598		FSPR	AS ABOVE 3-4 PCNT PY AND MORE QTZ VN		0.009
1031.9	6.7	FX082599		SCH	S SHARP LCT IREG DK GRN WKLY TALCOSE SCSY 70 DEG FAUL 70 T GAUGE AT LCT		0.000
1025.7	23.8	FX082600		CARB	PRDT PALE GRN FG SPOTTED BY MT GRAIN S LOCL FAULT GAUGED WMTG LOCL FOTD 8 80 J DEG		0.002
1056.1	30.4	FX082601		CARB	PRDT AS ABOVE		0.000
1086.0	29.9	FX082602		CARB	PRDT AS ABOVE		0.000
1115.0	29.0	FX082603		CARB	PRDT AS ABOVE LOCL SOAPSTONE		0.000
1146.0	31.0	FX082604		CARB	PRDT AS ABOVE BCMG DKER GRN		0.000
1162.8	16.8	FX082605		CARB	PRDT AS ABOVE GRNL LCT TO PRDT		0.000
1191.8	29.0	FX082606		SRPT	DK GRN F-MG CUT BY NYRS CARB-QTZ VNS MODY MTC FCH		0.000

FOR THIS HOLE, ASSAYS OF THE FOLLOWING ELEMENTS HAVE BEEN RECEIVED..AU

BOREHOLE SUMMARY

FOOTAGE	MNZN	ROCK
0030.8		
0093.3	MVVH	MSYN
0112.5		BSLT
0149.9		MSYN
0181.1		SCH
0193.5	MVVH	WACK
0237.1	MVVH	FSPR
0246.3	MVVH	CARB
0300.2	MVVH	FSPR
0323.1		SCH
0413.3		WACK
0462.7		SOAP
0478.5		MSYN
0493.4	MVVH	FELS
0508.1	MVVH	CANG
0543.3	MVVH	FSPR
0573.0	MVVH	CARB
0586.1	MVVH	WACK
0602.9	MVVH	FSPR

0616.9		CARB
0639.9	MVVW	FSPR
0657.0		WACK
0673.3		CARB
0683.4		MSYN
0720.9		CARB
0732.4	MVW	CARB
0757.7		CARB
0763.2	MVVW	FSPR
0821.7		CARB
0851.9		MSYN
0928.7	MVVW	CARB
0943.4	MVVW	FSPR
0995.2		FSPR
1001.9		SCH
1162.8		CARB
1191.8		SRPT

APPENDIX II

NORANDA EXPLORATION CO. LTD.

ASSAY RECEIPTS

DIAMOND DRILL LOGS

Noranda Exploration Company, Limited
(no personal liability)

P.O. Box 1205, Timmins, Ont. P4N 7J5

noranda

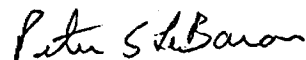
January 12, 1982

Mr. R.A. MacGregor
Vice-President, Mineral Exploration
Mariner Energy & Minerals Limited
P.O. Box 1110
SAULT STE. MARIE, Ontario

Dear Rob:

Enclosed are copies of assay charges for surface and drill
core samples from the Skead project.

Yours Truly



Peter LeBaron

PL/cd

NORANDA PROJECT 927-C2-15

Invoice No.

2922	Aug. 26/80	76.50
3103	Sept. 30/80	42.50
47---	Aug. 25/81	371.75
4857	Sept.--/81	430.50
4963	Sept. 22/81	78.00
9236	Jan. 4/82	126.89

\$1,126.14



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

3057D Noranda Exploration Limited
 Box 1205
 Timmins, Ontario
 P4N 7S6

TOTAL RECEIVED

DATE Sept. 30/80	SHIPPED VIA	FED. LICENCE NO.	PROV. LICENCE NO.	YOUR ORDER NO.	OUR ORDER NO.	TERMS	SALESMAN																																								
QUANTITY	DESCRIPTION			UNIT PRICE	AMOUNT																																										
23	Au Assays			\$ 6.50	\$ 149.50																																										
5	Ag Assays			6.50	32.50																																										
23	Sample Handling			2.00	46.00																																										
Cert. No. 50207 Sept. 30/80																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CHARGE TO</th> <th>TYPE OF WORK</th> <th colspan="2">AMOUNT</th> </tr> </thead> <tbody> <tr> <td>900-A-15</td> <td></td> <td>83</td> <td>50</td> </tr> <tr> <td>→ 927-C2-15</td> <td></td> <td>42</td> <td>50</td> </tr> <tr> <td>928-J1-15</td> <td></td> <td>48</td> <td>00</td> </tr> <tr> <td>929-C2-15</td> <td></td> <td>112</td> <td>50</td> </tr> <tr> <td>933-C2-15</td> <td></td> <td>93</td> <td>50</td> </tr> <tr> <td>937-C2-15</td> <td></td> <td>52</td> <td>50</td> </tr> <tr> <td>944-A-15</td> <td></td> <td>38</td> <td>50</td> </tr> <tr> <td colspan="2">FIELD APPROVAL</td> <td colspan="2">PAYMENT APPROVED</td> </tr> <tr> <td colspan="2">AUTHORIZED</td> <td colspan="2">471.00</td> </tr> </tbody> </table>				CHARGE TO	TYPE OF WORK	AMOUNT		900-A-15		83	50	→ 927-C2-15		42	50	928-J1-15		48	00	929-C2-15		112	50	933-C2-15		93	50	937-C2-15		52	50	944-A-15		38	50	FIELD APPROVAL		PAYMENT APPROVED		AUTHORIZED		471.00		<p style="font-size: 1.2em;"><i>sent to Noranda</i></p> <p style="font-size: 1.2em;"><i>Oct. 17/80</i></p>		\$ 228.00	
CHARGE TO	TYPE OF WORK	AMOUNT																																													
900-A-15		83	50																																												
→ 927-C2-15		42	50																																												
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937-C2-15		52	50																																												
944-A-15		38	50																																												
FIELD APPROVAL		PAYMENT APPROVED																																													
AUTHORIZED		471.00																																													

MOORE BUSINESS FORMS 3 7000

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
 ESTABLISHED 1928

FACTURE / INVOICE

	SAMPLE NO.	GOLD	Oz./ton
<i>surface</i>			
L 8N/16430 E	6146	N11	
L 20N/16400 W	6147	N11	
L 12N/9400 E	6148	N11	
" "	6149	N11	
L 20N/20415 E	6150	N11	

MacGregor option
Abend Trip
 927
P. Libaran

Per
 G. Lebel - Manager



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

SOLD TO

Noranda Exploration Limited
 Box 1205
 Timmins, Ontario
 P4N 7S6

SALE

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALESMAN																								
26/80																															
QUANTITY	DESCRIPTION					UNIT PRICE	AMOUNT																								
9	Au Assays					\$ 6.50	\$ 58.50																								
9	Sample Handling Cert. No. 49855 Aug. 18/80 P. Le Baron					2.00	18.00																								
7	Au Assays					6.50	45.50																								
2	Cu Ni Zn Assays					16.50	33.00																								
7	Sample Handling Cert. No. 49927					2.00	14.00																								
<table border="1"> <thead> <tr> <th>CHARGE TO</th> <th>TYPE OF WORK</th> <th>AMOUNT</th> </tr> </thead> <tbody> <tr> <td>→ 927-CZ-15</td> <td></td> <td>76.50</td> </tr> <tr> <td>928-J1-15</td> <td></td> <td>192.00</td> </tr> <tr> <td>933-CZ-15</td> <td></td> <td>193.50</td> </tr> <tr> <td>934-CZ-15</td> <td></td> <td>109.50</td> </tr> <tr> <td>947-CZ-15</td> <td></td> <td>17.00</td> </tr> <tr> <td colspan="2">FIELD APPROVAL</td> <td>PAYMENT APPROVED</td> </tr> <tr> <td colspan="2">AUTHORIZED</td> <td>588.50</td> </tr> </tbody> </table>						CHARGE TO	TYPE OF WORK	AMOUNT	→ 927-CZ-15		76.50	928-J1-15		192.00	933-CZ-15		193.50	934-CZ-15		109.50	947-CZ-15		17.00	FIELD APPROVAL		PAYMENT APPROVED	AUTHORIZED		588.50	SEP 5 1979 NORANDA	
CHARGE TO	TYPE OF WORK	AMOUNT																													
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928-J1-15		192.00																													
933-CZ-15		193.50																													
934-CZ-15		109.50																													
947-CZ-15		17.00																													
FIELD APPROVAL		PAYMENT APPROVED																													
AUTHORIZED		588.50																													
							\$169.00																								

MOORE BUSINESS FORMS 3 7060E

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
 ESTABLISHED 1928

FACTURE / INVOICE



<u>surface</u>	SAMPLE NO.	GOLD Oz./ton
15 NW/3 NE	6126	NIL
13+20NW/3NE	6127	NIL
5' chip sample from pit at L4 NW/ ←	6128	0.05
6+10 NE L12SE/A+10NE	6129	NIL
L12SE/3+30NE ←	6130	0.01
py+mgf. in argillite (buff?) L12SE/1+10NE	6131	NIL
L12SE/0+50NE	6132	NIL
L16SE/13+80SW	6133	NIL
L20SE/14+30SW	6134	NIL
L16SE/3+30NE	6135	NIL
L20SE/1+35NE	6136	NIL

MacGregor Option
 927
 P. LeBaron

Per

J. Van Engelen, MCIC



SWASTIK

P.O. BOX 10, SWASTIK

4700

CHARGE TO	TYPE OF WORK	AMOUNT
926-C2-15		809.75
921-C2-15		219.00
922-C2-15		182.75
→ 927-F-15		371.75
937-C2-15		172.50
937-F-15		187.00
FIELD APPROVAL		PAYMENT APPROVED
AUTHORIZED		1942.75

SENT

SEP 18 1981

NORAN

EX-107
 Noranda Exploration Limit
 Box 1205
 Timmins, Ontario
 P4N 7S6

DATE	SHIPPED VIA	FED LICENCE NO
Aug 25/81		
QUANTITY		

58	Au Assays		\$ 1.25	\$ 420.50
27	Ag Assays		7.25	195.75
58	Sample Handling		2.50	145.00
	Cert. No. 52126 Aug.21/81			
21	Au Assays		7.25	152.25
8	Ag Assays	IO	7.25	58.00
1	Cu Assays		5.50	5.50
2	Zn Assays		5.50	11.00
21	Sample Handling	IP	2.50	52.50
	Cert. No. 52168 Aug.27/81			
46	Au Assays	IDA	7.25	333.50
7	Cu Assays		7.25	50.75
2	Ni Assays		5.50	11.00
2	Zn Assays		7.25	14.50
46	Sample Handling		2.50	115.00
	Cert. No. 52190 Aug.26/81			
			TOTAL	\$ 1565.25

MOORE BUSINESS FORMS 3 7060E

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
 ESTABLISHED 1928



FACTURE / INVOICE

	Oz/ton	Oz/ton	%	%
7576	Nil	Nil	-	-
7577	Nil	-	-	-
7578	Nil	-	-	-
7579	Nil	-	-	-
7580	Nil	0.01	-	0.03
7581	Nil	-	-	-
7582	Nil	-	-	-
7583	Nil	Nil	-	-
7584	0.002	-	-	-
7585	Nil	-	-	-
7586	Nil	Nil	-	-
7587	Nil	-	-	-
7588	Nil	-	-	-
7589	Nil	Nil	-	-
7590	Nil	-	-	-
7591	Nil	-	-	-
7592	Nil	Nil	-	-
7593	Nil	Nil	-	-
7594	Nil	-	-	-
7595	Nil	-	-	-
7596	Nil	0.03	0.09	0.11

927-J,
 P. LeBaron

SAMPLE NO.	GOLD Oz/ton	SILVER Oz/ton
5597	Nil	-
7597	Nil	-
7598	Nil	0.01
7599	Nil	-
927-J, 7600	Nil	0.01
7701	Nil	-
7702	Nil	-

927-J,
 P. LeBaron

4857



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

ORDER

Noranda Exploration Limited
 Box 1205
 Timmins, Ontario
 P4N 7B6

ORDER

ORDER

DATE	SHIPPED VIA	FIELD LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	Net 30 days	SALESMAN
							UNIT PRICE	AMOUNT
							\$ 7.25	\$ 514.75
							7.25	224.75
							11.00	11.00
							5.50	5.50
							11.50	46.00
							2.50	177.50
							7.25	29.00
							7.25	7.25
							2.50	10.00
TOTAL								\$1025.75

CHARGE TO	TYPE OF WORK	AMOUNT
920-C2-15		46.25
→ 927-J2-15		430.50
929-C1-15		311.50
944-A-15		170.00
956-C2-15		67.50
FIELD APPROVAL	PAYMENT APPROVED	
AUTHORIZED		1025.75

Sent to Noranda Sept. 18/81

MOORE BUSINESS FORMS 3 7060C

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

FACTURE / INVOICE

ESTABLISHED 1928

<p><i>Walsby</i></p> <p>6366 0.002 0.08</p> <p>6367 0.08 0.12</p> <p>6368 0.07 0.03</p> <p>6369 0.01 0.08</p> <p>6370 0.02 0.01</p> <p>6371 NIL 0.01</p> <p>6372 0.005</p> <p>6373 0.005</p> <p>6374 0.01</p> <p>6375 NIL</p> <p>6376 NIL</p> <p>6377 0.002</p> <p>6378 0.002</p>	<p><i>P. LeBaron</i></p> <p>7704 1.0' 0.04 NIL</p> <p>7705 NIL NIL</p> <p>7706 0.01 NIL</p> <p>7707 0.01 ---</p> <p>7708 NIL ---</p> <p>7709 NIL ---</p> <p>7710 0.005 NIL</p> <p>7711 0.002 NIL</p> <p>7712 1.0' 0.06 ---</p> <p>7713 0.002 ---</p> <p>7714 0.02 trace</p> <p>7715 0.002 NIL</p> <p>7716 0.01 NIL</p> <p>7717 2.1' 0.09 trace</p>
---	---

92 J

SAMPLE NO.	GOLD Oz./ton	SILVER Oz./ton	COPPER %	ZINC %	NICKEL %	TOTAL MOLYBDENUM %
7718	0.03	0.02	---	---	---	0.002
7719	0.005					0.001
7720	0.002	---	---	---	---	0.001
7721	0.02					0.001
7722	0.002	---	---	---	---	
7723	0.005					
7724	0.20 ✓	1.4'				40.001
7725	0.002	---	---	---	---	
7726	0.002					
7727	0.002					
7728	NIL					
7729	NIL					
7730	NIL					
7731	NIL					
7732	NIL					

922 - C2 - 15

927

P. LeBaron



4963

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

ORDER Noranda Exploration Limited
 Box 1205
 Timmins, Ontario
 P4N 7S6

ORDER SAME

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALESMAN
Sept. 22/81						Net 30 days	

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
25	Au Assays	\$ 7.25	\$ 181.25
13	Ag Assays	7.25	94.25
1	Cu Assays	5.50	5.50
3	Co Assays	5.50	16.50
25	Sample Handling	2.50	62.50

Cert. No. 52346 Sept. 21/81

CHARGE TO	TYPE OF WORK	AMOUNT
900-C2-15		82.75
900-J1-15		469.25
927-J1-15		277.25
934-J1-15		199.25
FIELD APPROVAL	PAYMENT APPROVED	
		829.25

SENT TO

OCT 15 1981
78.00 (277.25 - 199.25)

NORANDA

TOTAL \$ 360.00

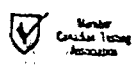
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
 ESTABLISHED 1928

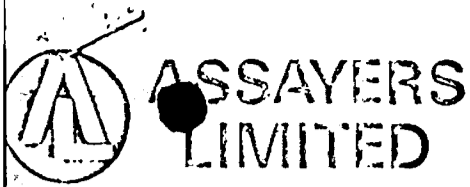
FACTURE / INVOICE

927-J1 SK 81-4	7765	NIL	0.01
	7766	NIL	trace
	7767	NIL	trace
	7768	0.002	
	7769	0.002	
	7770	0.005	
	7771	0.002	
	7772	0.002	
	7773	0.005	
	7774	0.002	
7775	NIL		

Per G. Lebel
 G. Lebel, Manager

ESTABLISHED 1928





QUEBEC: 183 GAMBLE ST. W., P.O. BOX 665, ROUYN, J9X 2R8, TEL: 819-762-3010
 ONTARIO: 20 VICTORIA STREET, SUITE 506, TORONTO, M5C 2N8, TEL: 416-366-3100

Noranda Exploration Co. Ltd.
 P. O. Box 1205
 Timmins, Ontario
 P4N 7J5

NO. 100-100-100-100

DATE Jan 4/82	TRANSPORTEUR SHIPPED VIA	NO D'EXEMPT. DE TAXE FED. LICENCE NO.	NO D'EXEMPT. DE TAXE PROV. PROV. LICENCE NO.	VOTRE NO DE COMMANDE YOUR ORDER NO.	NOTRE NO DE COMMANDE OUR ORDER NO.	CONDITIONS TERMS 30 days	VENDEUR SALESMAN
QUANTITE QUANTITY	DESCRIPTION					PREMIER PRIX UNITAIRE UNIT PRICE	TOTAL MONTANT AMOUNT
Dec. 4	9 assays for Au & Ag					14.50	130.50
	Handling charge on 9 samples					2.50	22.50
							153.00
	Less 10% discount on 56.25						6.53
	Less 30% discount on 65.25						19.58
							\$126.89

CHARGE TO	TYPE OF WORK	AMOUNT
934-C2-15		126.89
927		
FIELD APPROVAL		PAYMENT APPROVED
AUTHORIZED		126.89

PAID
 [JAN 14 1982]
 587

SPEEDISSET MOORE BUSINESS FORMS 3 7060B

E & O E C T A

FACTURE/INVOICE

"SERVING INDUSTRY FOR OVER 40 YEARS"



ASSAYERS LIMITED

QUEBEC: 183 RUE GAMBLE O., C.P. 665 - ROUYN, J9X 2R8 - TEL: (819) 762-3010
 ONTARIO: 20 VICTORIA STREET, SUITE 506 - TORONTO, M5C 2N8 - TEL: (416) 366-3100

CERTIFICATE OF ANALYSIS

FOR Noranda Exploration Co. Ltd.
 P. O. Box 1205
 Timmins, Ontario
 P4N 7J5

LAB NO.	SAMPLE NO.	GOLD OZ. PER TON	SILVER OZ. PER TON	COPPER %	ZINC %
63,595	8011	0.005	N.D.		
6	2	Trace	N. D.		
7	3	0.01	N. D.		
8	4	Trace	N. D.		
9	5	Trace	N. D.		
63,600	6	Trace	N. D.		
1	7	0.14	0.05		
2	8	0.04	0.01		
63,603	8019	0.02	N. D.		

927-J-15
MacLennan
P. L. Barron

DIAMOND DRILL CORE LOG

LATITUDE L24N
 DEPARTURE 13+00E
 ELEVATION surface
 BEARING N80°E
 DIP AT COLLAR -50°

TESTS DEPTH	DIP	MAGNETIC BEARING	CORRECTED BEARING
350'	-41°	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

PROPERTY MacGregor Option (Skead 1-80)
 CLAIM NO. L 476706
 HOLE NO. SK-81-1
 CORE SIZE AQ
 STARTED Aug. 4, 1981
 FINISHED Aug. 6, 1981

TOTAL DEPTH OF HOLE 351'

FOOTAGE		DESCRIPTION	SAMPLE NO.	ASSAYS					CORE LENGTH		
FROM	TO			AU OZ	AG OZ	% CU	% ZN	% NI	FROM	TO	ACC. WIDTH
0	8	CASING									
8	40.5	BASALT - dark green, fine-grained, soft komatiitic basalt; strong chlorite alteration, numerous contorted carbonate stringers (20-25%) less than 1" wide, rarely up to 5" brecciated sections; talc-chlorite on slip surfaces; tr py throughout; foliation (carb. strgs, slip surfaces) at 40° to core axis.									
40.5	42.0	DIORITE - fine-grained, dark green diorite dike; weakly magnetic, slight red (hematite) stain; tr py.									
42.0	109.5	BASALT - as above.	7576	NIL	NIL				95.5	97.8	2.3'
109.5	123.7	LAMPROPHYRE - dark green-brown, medium-grained; 70-80% biotite- hornblende, 20-30% pale green feldspar; minor carbonate through-out;									

CONTRACTOR _____

LOGGED BY Peter S. LeBaron

Peter S. LeBaron

DIAMOND DRILL CORE LOG

LATITUDE L0+00
 DEPARTURE 8+50E
 ELEVATION surface
 BEARING N80°E
 DIP AT COLLAR -50°

TESTS DEPTH	DIP	MAGNETIC BEARING	CORRECTED BEARING
350'	-50°	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

PROPERTY MacGregor Option (Skead 1-80)
 CLAIM NO. L 565050
 HOLE NO. SK-81-2
 CORE SIZE AQ
 STARTED August 8, 1981
 FINISHED August 9, 1981

TOTAL DEPTH OF HOLE 351'

FOOTAGE		DESCRIPTION	SAMPLE NO.	ASSAYS					CORE LENGTH		
FROM	TO			AU OZ	AG OZ	% CU	% ZN	% NI	FROM	TO	ACC. WIDTH
0	40	CASING									
40	57.4	TUFF - fine grained, green-grey, intermediate composition with rare mafic chloritic and felsic cherty bands; bedding at 50-55° to core axis; tr py.									
57.4	79.1	LAMPROPHYRE - medium-grained, brown-grey, 50-60% biotite, 10-20% hornblende, 20-30% feldspar, minor carbonate; weakly schistose at 20-30° to core axis; tr py, locally up to 3-5%.									
79.1	112.0	FELDSPAR PORPHYRY - medium-grained, white to grey; 50-60% (locally up to 80%) white to pale green subhedral plagioclase phenocrysts 0.05 to 0.1" long; 40-50% dark green to black biotite and hornblende; tr dissem py throughout; locally up to 1% py	7583	NIL	NIL				94.9	98.6	3.7'

CONTRACTOR BENOIT DIAMOND DRILLING

LOGGED BY Peter S. LeBaron

Peter S. LeBaron

DIAMOND DRILL CORE LOG

PROPERTY _____

HOLE NO. _____

FOOTAGE		DESCRIPTION	SAMPLE NO.	ASSAYS					CORE LENGTH		
FROM	TO			AU OZ	AG OZ	% CU	% ZN	% NI	FROM	TO	ACC. WIDTH
		concentrated in fractures.									
112.0	122.3	TUFF - dark green brown, fine to medium grained; composition varies from mafic with rare feldspar phenocrysts to biotite qtz-feldspar porphyry; tr py.									
		115.5-118.4 - brecciated felsic tuff; qtz-feldspar porphyry : stringers, 1-3% py.	7584	0.002					115.5	118.4	2.9'
		118.4-122.3 - 5-10% biotite phenocrysts, 5-10% qtz and feldspar phenocrysts; strongly altered; grains stretched at 55° to core axis;									
		121.7-122.3 - 5-7% py.	7585	NIL					121.6	122.6	1.0'
122.3	163.3	FELDSPAR PORPHYRY - as above; locally with pink tint bordering fractures; numerous grey qtz veinlets up to 1" wide at 10° to 40° to core axis; tr py throughout.	7586	NIL	NIL				133.2	136.3	3.1'
		149.0-160.0 - section with 30% grey qtz in veinlets up to 1" wide.	7587	NIL					149.8	153.0	3.2'

DIAMOND DRILL CORE LOG

LATITUDE L12SE
 DEPARTURE 5+10NE
 ELEVATION surface
 BEARING 225°
 DIP AT COLLAR -50°

TESTS DEPTH	DIP	MAGNETIC BEARING	CORRECTED BEARING
350'	-42°		

PROPERTY MacGregor Option (Skead 1-80)
 CLAIM NO. L 511637
 HOLE NO. SK-81-3
 CORE SIZE AQ
 STARTED July 29, 1981
 FINISHED August 1, 1981

TOTAL DEPTH OF HOLE 350'

FOOTAGE		DESCRIPTION	SAMPLE NO.	ASSAYS					CORE LENGTH		
FROM	TO			AU OZ	AG OZ	% CU	% ZN	% NI	FROM	TO	ACC. WIDTH
0	10	CASING									
10	96.6	DIORITE - med. grained, mottled black and white, equigranular; 40-50% white plagioclase laths, 50-60% hornblende and minor biotite; weak sericite chlorite alteration; tr py. 94.0-96.6 - fine grained chilled margin .									
96.6	147.5	CHERTY TUFF - pale green-grey, aphanitic to fine fragmental texture; well-bedded in places at 55-60° to core axis; rarely prophyritic with 5-10% fine white feldspar phenocrysts; tr py.									
		98.4-100.1 - Basic syenite dike - dark green, reddish tint, weakly magnetic; highly altered to chlorite-qtz-sericite.	7595	NIL					121.4	123.9	2.5'
		131.0-133.4 - fine qtz-calcite stringer nearly parallel to core contains cp + gl-tr to 1%.									

CONTRACTOR _____

LOGGED BY Peter S. LeBaron
 Peter S. LeBaron

DIAMOND DRILL CORE LOG

PROPERTY MacGregor Option (Skead 1-80)

HOLE NO. SK-81-3

FOOTAGE		DESCRIPTION	SAMPLE NO.	ASSAYS					CORE LENGTH			
FROM	TO			AU OZ	AG OZ	% CU	% ZN	% NI	FROM	TO	ACC. WIDTH	
		138.8-143.3 - mafic tuff - dark green, fine grained; 5-10% euhedral hornblende phenocrysts, 3-5% white feldspar phenocrysts; rare coarse felsic fragments.	7596	NIL	0.03	0.09	0.11			130.5	133.5	3.0'
		144.0-147.5 - increasing number of dark grey carbonaceous bands and fine pyritic carbonate bands; 1% py; contact with graphitic sediments is gradational.	7597	NIL						144.6	147.2	2.6'
147.5	234.0	GRAPHITIC SEDIMENTS - dark grey to black very fine grained, finely laminated bands of graphite, graphitic argillite, felsic tuff, and carbonate; 1-3% py concentrated in carbonate bands 1/4" wide; rare grains of cp in carb bands; bedding at 45-50° to core axis; sections of pale green felsic tuff up to 2 ft. long contain 1-3% py.	7598	NIL	0.01					160.5	162.8	2.3'
			7599	NIL						180.1	183.2	3.1'
			7600	NIL	0.01					216.9	219.9	3.0'
234.0	350.0	FELSIC TUFF - pale to dark green-grey; fine grained, well-bedded at 45-50°; lens-shaped fragments indicate soft-sediment brecciation; minor qtz-carbonate strgs up to 2" wide; tr py throughout.										
		277.6-278.5 - white qtz vein, 1-3% py at margins.	7701	NIL						277.4	279.4	2.0'

DIAMOND DRILL CORE LOG

LATITUDE 1+50NW
 DEPARTURE 5+50E
 ELEVATION surface
 BEARING N30°W
 DIP AT COLLAR -54°

TESTS DEPTH	DIP	MAGNETIC BEARING	CORRECTED BEARING

PROPERTY MACGREGOR OPTION (Skead Twp.)
 CLAIM NO. L-467263
 HOLE NO. SK-81-4
 CORE SIZE AQ
 STARTED Aug. 12, 1981
 FINISHED Aug. 29, 1981

TOTAL DEPTH OF HOLE 383'

FOOTAGE		DESCRIPTION	SAMPLE NO.	ASSAYS					CORE LENGTH		
FROM	TO			AU OZ	AG OZ	% CU	% ZN	% NI	FROM	TO	ACC WIDT
0	4	CASING									
4	383	SYENITE: Medium to coarse grained, dark reddish-brown to pale pink; mafic content variable from 5 to 20% (hornblende and biotite largely altered to chlorite); generally less than 5% qtz but locally granitic with 10-15% qtz; cut by numerous qtz veins at 70 to 90° to core axis; trace coarse py throughout, with 1-3% py common in wall rock bordering quartz veins.	7768	0.002					14.0	15.0	1.0
		15.2-15.6 - white qtz vein; tr py; tr soft, grey mineral very fine, greenish streak, thin blade-like crystals rarely in radiating clusters; MoS ₂ ?	7704	0.04	NIL				15.0	16.0	1.0
		24.8-26.8 - syenite; tr to 1% coarse py.	7769	0.002					16.0	17.3	1.3
		51.6-52.7 - 3 qtz veins 1" to 2" wide; 1% py in wall rock, tr in qtz.	7705	NIL	NIL				24.8	26.8	2.0

DIAMOND DRILL CORE LOG

PROPERTY MACGREGOR OPTION (Skead Twp.)

HOLE NO. SK-81-4

FOOTAGE		DESCRIPTION	SAMPLE NO.	ASSAYS					CORE LENGTH		
FROM	TO			AU OZ	AG OZ	% CU	% ZN	% NI	FROM	TO	ACC WIDT
		60.6-61.0 - qtz vein, no visible mineralization.									
		90.5-91.2 - white qtz vein, tr py.	7707	0.01					90.5	91.5	1.0
		97.6 and 98.5 - two 1" qtz veins; tr py, tr mo.	7708	NIL					97.4	98.9	1.5
		117.2-118.3 - feldspar porphyry - similar to syenite but with a more siliceous aphanitic matrix, 3-5% mafics, 50-60% coarse subhedral feldspar phenocrysts; tr py.	7709	NIL					117.0	118.5	1.5
		128.2-132.7 - several ¼" - several ¼" to 1" qtz stringers; silicified wall rock; tr py, tr mo in qtz. and in wall rock; ground core from 131-132.	7710	0.005	NIL				127.7	130.7	3.0
			7711	0.002	NIL				130.0	132.8	2.8
			7770	0.005					137.0	138.4	1.4
		138.4-139.4 - silicified section; tr py, tr mo.	7712	0.06					138.4	139.4	1.0
		144.4-146.5 - several ½" to 2" qtz veins; one 6" feldspar porphyry dike, as above; tr to 1% py, tr mo.	7771	0.002					139.4	140.9	1.5
			7713	0.002					144.4	146.5	2.1
		187.1-187.3 - qtz vein, tr py.									
		197.6-217.2 - numerous qtz veins ½" to 1' wide. major veins are from 197.6-198.2, 199.3-199.7, 210.8-211.7, 215.2-216.4; tr py and mo in qtz veins and to minor extent in wall rock.	7714	0.02	Tr				197.6	200.6	3.0
			7715	0.002	NIL				200.6	204.1	3.5
			7756	0.01	NIL				210.2	212.2	2.0
			7772	0.002					213.5	214.9	1.4
		241.4-246.5 - several ¼-1" wide qtz strgs; tr py and mo dissem.	7717	0.09	Tr				214.9	217.0	2.1

DIAMOND DRILL CORE LOG

SHEET NO. 1

LATITUDE 1+50 NW
 DEPARTURE 6+50 NE
 ELEVATION surface
 BEARING N30° W
 DIP AT COLLAR -50°

TESTS DEPTH	DIP	MAGNETIC BEARING	CORRECTED BEARING

PROPERTY MacGregor Option (Skead 1-80)
 CLAIM NO. L 467263
 HOLE NO. SK-81-5
 CORE SIZE X-ray
 STARTED Nov. 12, 1981
 FINISHED Nov. 24, 1981

TOTAL DEPTH OF HOLE 198.5'

FOOTAGE		DESCRIPTION	SAMPLE NO.	ASSAYS					CORE LENGTH		
FROM	TO			AU OZ	AG OZ	% CU	% ZN	% NI	FROM	TO	ACC. WIDTH
0	198.5	SYENITE: medium to coarse-grained, dark red-brown to pale pink; mafic content (hbld and biotite, chloritic alteration) variable from 5 to 20%; generally less than 5% qtz but locally granitic with 10-15% qtz; trace to 1% dissem. coarse py throughout.									
		28.5 - 1" qtz vein, tr py.	8011	0.005	NIL				28.0	30.0	2.0
		29.0 - 3" qtz vein, tr py, tr MoS ₂ .									
		37.0, 37.7, 38.0 - ½" qtz veins, tr py.	8012	Tr	NIL				36.5	38.5	2.0
		74.0-76.0 - several ¼" to 1.5" qtz strgs, tr py.	8013	0.01	NIL				73.5	76.0	2.5
		107.5-108.0 - 80% qtz strgs at 85-90° to core axis; tr py, Mo.	8014	Tr	NIL				106.9	108.9	2.0
		161.7-164.8 - 15% qtz as ½"-1" strgs; some ground core, 1% coarse py, tr MoS ₂ .	8015	Tr	NIL				161.7	164.8	3.1
			8016	Tr	NIL				175.0	176.7	1.7
		177.1-178.1 - qtz vein, 3-5% py in coarse patches; one fine speck of visible Au, tr MoS ₂ .	8017	0.14	0.05				176.7	178.7	2.0
			8018	0.04	0.01				178.7	181.9	3.2
		181.9-183.6 - lost core.									

CONTRACTOR ORANDA CREW

LOGGED BY Peter S. LeBaron
 Peter S. LeBaron



2.5374 #406

File # ~~1511689~~ L511689 The Mining Act

Survey(s) **Assaying** Township or Area **Skead**

Claim Holder(s) **Superior Northwest Inc.** Inspector's Licence No. **T-626**

Address **P.O. Box 1110, Sault Ste. Marie, Ontario P6A 5N7**

Survey Company **Canadian Co. Limited** Date of Survey (from & to) **6 Mo. 80** Total Miles of line Cut **7 Mo. 81**

Name and Address of Author (of Geo-Technical report) **R.A. MacGregor, 134 Palace Drive, SAULT STE. MARIE, Ont. P6A 5N5**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Geophysical	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		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
L	511688	20			
	511689	20			
	511690	20			
	511691	20			
	511692	20			
	522792	40			
	522793	40			
	523348	20			
	523349	20			
	523350	14.65			

Expenditures (excludes power stripping): **RECEIVED**

Type of Work Performed **MAY 31 1984**

Performed on Claim(s) **MINING LANDS SECTION**

Calculation of Expenditure Days Credits

Total Expenditures **\$ 3,519.75** ÷ Total Days Credits **15** = **234.65**

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

LARDEK LAKE MINING DIV
RECEIVED
NOV 29 1982
AM 7 12 14 15 16 PM

Total number of mining claims covered by this report of work. **10**

For Office Use Only

Total Days Cr. Recorded **234.65** Date Recorded **Nov. 29, 1982**

Date Approved as Recorded **July 27/89** Mining Recorder **[Signature]**

Date **Nov. 26/82** Recorded Holder or Agent (Signature) **[Signature]**

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 **Robert A. MacGregor, 134 Palace Drive, Sault Ste. Marie, Ont. P6A 5N5**

Date Certified **Nov. 26/82** Certified by (Signature) **[Signature]**



Ministry of Natural Resources

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

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.

2.5374

Report # 5

L 511684

The Mining Act

Form header section containing: Type of Survey(s) Assaying, Claim Holder(s) Superior Northwest Inc., Address Box 1110, Sault Ste. Marie, Ont., Survey Company Colex Explorations Inc., Date of Survey, Total Miles of line Cut, Name and Address of Author (of Geo-Technical report) R.A. MacGregor, 134 Palace Dr. Sault Ste. Marie, Ontario

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Table with columns: Special Provisions, Geophysical, Geological, Geochemical, Days per Claim. Includes rows for first survey (40 days), additional surveys (20 days), Man Days, and Airborne Credits.

Table with columns: Mining Claim Prefix, Mining Claim Number, Expend. Days Cr. Includes entries for L 511688 (40), 511689 (40), and 511690 (9.92). Includes RECEIVED stamps from MAY 31 1984 and JAN 6 1983.

Expenditures (excludes power stripping)

Form section for Expenditures: Type of Work Performed Assaying 77(10), Performed on Claim(s) L511691-93; L522788-89; L522792-93; L523348-51; L532825-27; L532830; L532834-35; L532837; L545046-L545047; L545051, L545054. Calculation of Expenditure Days Credits: Total Expenditures \$ 1,348.75 ÷ 15 = 89.92.

Total number of mining claims covered by this report of work. 3

Date Jan. 3/83, Recorded Holder or Agent (Signature) [Signature]

For Office Use Only: Total Days Cr. Recorded 89.92, Date Recorded JAN 7 1983, Mining Recorder [Signature], Date Approved as Recorded July 27/84, Branch Director [Signature]

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 Address of Person Certified: R.A. MacGregor, 134 Palace Dr. Sault Ste. Marie, Ont. Date Certified: Jan. 3/83. Certified by (Signature) [Signature]

Ontario

(Admin) - see attached 2.5374 Jan 28
Office 2532142
The Mining Act

Type of Survey(s) **Assaying** Township or Area **Skead**

Claim Holder **Superior Northwest Inc.** Prospector's Licence No. **T-626**

Address **P.O. Box 1110, Sault Ste. Marie, Ontario P6A 5N7**

Survey Company **Noranda Exploration Ltd.** Date of Survey (from & to) **8/80** to **9/80** Total Miles of line Cut

Name and Address of Author (of Geo-Technical report) **Robert A. MacGregor, 134 Palace Drive, Sault Ste. Marie, Ont. P6B 5H5**

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
L	523350	5.35			
	523352	25			
	532253	20			
	531349	21.05			
		24.73			

Recorded No. 24/82
GK
3rd recorded No. 24/82

RECEIVED
FEB - 7 1983
MINING LANDS SECTION

LARDER LAKE MINING DIST.
RECEIVED
JAN 20 1983
AM 7 18 19 10 11 12 1 2 3 4 5 6 PM

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures **\$ 1,126.14** + **15** = Total Days Credits **75.08**

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

Total number of mining claims covered by this report of work. **4**

Date **Jan. 21/83** Recorded Holder or Agent (Signature) *R. MacGregor*

For Office Use Only

Total Days Cr. Recorded **21.05** Date Recorded **JAN 25 1983** Mining Recorder *[Signature]*

Date Approved as Recorded Branch Director *[Signature]*

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 **Robert A. MacGregor, 134 Palace Drive, Sault Ste. Marie, Ont. P6B 5H5**

Date Certified **Jan. 21/83** Certified by (Signature) *R. MacGregor*

June 15, 1984

Your File: #5 & #406
Our File: 2.5374

Superior Northwest Inc
P.O. Box 1110
Sault Ste. Marie, Ontario
P6A 5N7

Dear Sir:

RE: Assaying submitted under Section 77(19) of the
Mining Act on Mining Claims L 511688 et al in
the Townships of Hearst, McFadden and Skead

In regard to your letter of May 1, 1984 we are prepared
to grant the requested credits that are recorded on
Reports of Work #5 and #406. However, as the assays
were of diamond drill core we will require a sample
location map, in duplicate, showing the locations of
the drill holes on the following claims:

L 467263
L 476706
L 511637
L 565050

Upon receipt of this information, assessment of the
survey will be done promptly and a statement of approved
credits will be issued.

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.K.

D. Kinvig:mc

cc: Mining Recorder
Kirkland Lake, Ontario

#12 - 111P - 1111E
McFadden
Maps for Reports of Work
#5 & #406 are in
file 2.5220.
~~2.5374~~

2,5374

R. A. MACGREGOR, P.ENG.

MINING ENGINEER

134 PALACE DRIVE

SAULT STE. MARIE, ONTARIO
P6B 5H5

OFFICE:

705-949-5928

HOME:

705-949-4250

RECEIVED	
Land Management Branch	
CIRCULATE	<input type="checkbox"/>
COMMENTS PLEASE	<input type="checkbox"/>
BY	
MAY - 4 1984	
SEARCHED	
INDEXED	
SERIALIZED	
FILED	
R. G. 413	

May 1, 1984

Mr. Kinvig
Mining Lands Section
MINISTRY OF NATURAL RESOURCES
Whitney Block
Queen's Park
TORONTO, Ont.
M7A 1W3

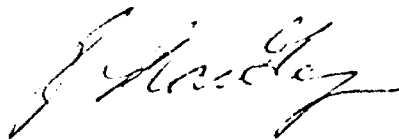
Dear Mr. Kinvig:

I am again writing to you concerning work credits which appear to have been overlooked and not yet approved. It concerns file 2.5374. Three separate work reports were filed for assay work. The first on November 26, 1982 for total expenditure of \$3,519.75 file #406; the second on January 3, 1983 for \$1,348.75 file #5 and the third on January 21, 1983 for \$1,126.14 file #17 (this was a revision for report of November 26, 1982 for \$810.50 file #405). I received a notice that reports had been received on Feb. 28, 1983 → file 2.5374. I also note that it was reported to the Mining Recorder that reports of work had not been received, although they should have been some time previous.

On January 19, 1984 I received notice that assay credits had been approved, but this covered only one (third -- file #17) of the three work reports.

Enclosed are copies of the original work reports and notice of receipt of data. I have indicated the report which was approved, and the two which were not. It seems possible from the notice of receipt of data that these other two work reports became lost or mislaid and this is the reason they have not yet been approved. Would you please check this and let me know.

Yours truly



R.A. MacGregor, P. Eng.

RECORDED
MAY 4 1984

RAM/jh
encl.

2,5374

R. A. MACGREGOR, P. ENG.

P.O. BOX 1110
SAULT STE. MARIE
ONTARIO P6A 5N7

MINING ENGINEER
134 PALACE DRIVE
SAULT STE. MARIE, ONTARIO
P6B 5H5

OFFICE:
705-949-5928
HOME:
705-949-4250

May 1, 1984

RECEIVED	
Land Management Branch	
CIRCULATE	<input type="checkbox"/>
COMMENTS PLEASE	<input type="checkbox"/>
BY	
MAY - 4 1984	
S. E. YUNDT	
J. R. MORTON	
J. C. SMITH	
W. L. GOOD	
RETURN TO R. 8643	

Mr. Kinvig
Mining Lands Section
MINISTRY OF NATURAL RESOURCES
Whitney Block
Queen's Park
TORONTO, Ont.
M7A 1W3

Dear Mr. Kinvig:

I am again writing to you concerning work credits which appear to have been overlooked and not yet approved. It concerns file 2.5374. Three separate work reports were filed for assay work. The first on November 26, 1982 for total expenditure of \$3,519.75 file #406; the second on January 3, 1983 for \$1,348.75 file #5 and the third on January 21, 1983 for \$1,126.14 file #17 (this was a revision for report of November 26, 1982 for \$810.50 file #405). I received a notice that reports had been received on Feb. 28, 1983 → file 2.5374. I also note that it was reported to the Mining Recorder that reports of work had not been received, although they should have been some time previous.

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Enclosed are copies of the original work reports and notice of receipt of data. I have indicated the report which was approved, and the two which were not. It seems possible from the notice of receipt of data that these other two work reports became lost or mislaid and this is the reason they have not yet been approved. Would you please check this and let me know.

Yours truly

R.A. MacGregor, P. Eng.

RECEIVED

MAY 4 1984

MINING LANDS SECTION

RAM/jh
encl.

- Expenditures for all
3 R's of W seem to
work out. However, we do
not have map showing
DDH locations for holes
on L.-467263
476706
565050
511637



Ministry of
Natural
Resources

Ontario

Your file:

1983 02 28

Our file: 2.5374

Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We have received data for Assaying submitted under Section 77(19) of the Mining Act R.S.O. 1980 for mining claims L 341839 et al in the Townships of Skead, Hearst and Rattray.

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 by you prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours very truly,

A handwritten signature in cursive script, appearing to read "E.P. Anderson".

E.P. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3

Phone 416/965-1316
D.Wice:jh
cc: ✓ R.A. MacGregor
Sault Ste. Marie, Ontario

2,5374

1984 01 19

Your File: 2.5374

Our File: 17

Mr. George J. Koleszar
Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

RE: Assaying submitted under Section 77(19) of the Mining
Act RSO 1980 on Mining Claims L 341839 et al in the
TownshipsofSkeed

The enclosed statement of assessment work credits for
assaying expenditures has been approved as of the above
date.

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

Yours very truly,

J.R. Morton
Acting Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-1380

D. Kinvig:mc

cc: Superior Northwest Inc
603 Queen Street
P.O. Box 1110
Sault Ste. Marie, Ontario
P6A 5N7

cc: Resident Geologist
Kirkland Lake, Ontario

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

Encl.

Recorded Holder	SUPERIOR NORTHWEST INC
Township or Area	SKEAD TOWNSHIP

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 <input type="checkbox"/> Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	\$1,126.14 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS L 341839, L 396274 to 77 INCLUSIVE 396279 to 87 INCLUSIVE 400700 to 04 INCLUSIVE 442043 to 58 INCLUSIVE 442060-61 442070 to 74 INCLUSIVE 467136-37 467147 511760 to 62 INCLUSIVE 511764 523058 to 65 INCLUSIVE 523067 to 71 INCLUSIVE 531333-34 531350 to 55 INCLUSIVE 75 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT

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



Mining Lands Comments

To: Geophysics

Comments

<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date	Signature
-----------------------------------	---	------	-----------

To: Geology - Expenditures

Mr Kustra.

Comments

<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date <i>July 15/83</i>	Signature <i>Kustra</i>
--	---	------------------------	-------------------------

To: Geochemistry

Comments

L.D.

<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date	Signature
-----------------------------------	---	------	-----------

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1983 02 28

2.5374

Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We have received data for Assaying submitted under Section 77(19) of the Mining Act R.S.O. 1980 for mining claims L 341839 et al in the Townships of Skead, Hearst and Rattray.

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 by you prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3

Phone 416/965-1316
D.Wice:jh
cc: R.A. MacGregor
Sault Ste. Marie, Ontario

FROM THE DESK OF

Robert A. MacGregor

Jan 21/83

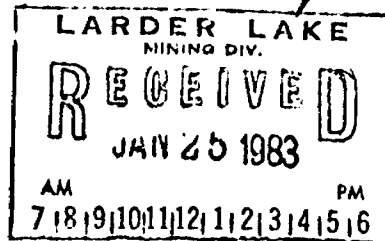
Mining Recorder
Kirkland Lake, Ont

Dear Mr Koleszar -

Could you please revise
report of work recorded for 2/82
to that shown on new report of
work.

Reports have been sent to
the projects branch.

J. MacGregor



copy
Attached

COPY

1983 05 13

Superior Northwest Incorporated
P.O. Box 1110
Sault Ste. Marie, Ontario
P6A 5N7

Dear Sirs:

Enclosed is a copy of a report of work for Magnetometer and Electromagnetic assessment work credits that was recorded by the recorder on January 25, 1983 on Mining Claim L 531349 in the Township of Skead. *Assessment*

We have no record that you provided the full reports and maps to the Minister within the sixty day period provided by Section 77 of the Mining Act.

Unless you can provide evidence that the reports and maps were submitted as required by May 27, 1983, the Mining Recorder will be directed to cancel the work credits recorded on January 25, 1983.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380.

A. Barr:sc

cc: Mining Recorder
Kirkland Lake, Ontario

Encls:



Assessment Library

Ministry of Natural Resources
Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

#406

Not yet approved

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.

File # L 511684

The Mining Act

Type of Survey(s) Assaying	Township or Area Skead + Hearst, Mcfaddeu
Claim Holder(s) Superior Northwest Inc.	Prospector's Licence No. T-626
Address P.O. Box 1110, Sault Ste. Marie, Ontario P6A 5N7	
Survey Company Canadian Co. Limited	Date of Survey (from & to) Day 6 Mo. 80 Day 7 Mo. 81
Name and Address of Author (of Geo-Technical report) R.A. MacGregor, 134 Palace Drive, SAULT STE. MARIE, Ont. P6B 5H5	

Credits Requested per Each Claim in Columns at right

Special Provisions For first survey: Enter 40 days. (This includes line cutting) For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
L	511688	20			
	511689	20			
	511690	20			
	511691	20			
	511692	20			
	522792	40			
	522793	40			
	523348	20			
	523349	20			
	523350	14.65			

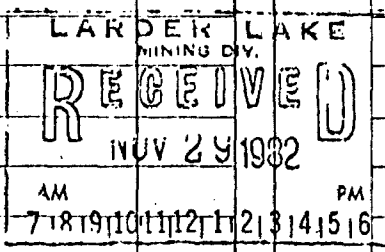
Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures **\$ 3,519.75** ÷ **15** = **234.65** Total Days Credits



Total number of mining claims covered by this report of work. **10**

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

For Office Use Only

Total Days Cr. Recorded 234.65	Date Recorded Nov 29, 1982	Mining Recorder
	Date Approved as Recorded	Branch Director <i>[Signature]</i>

Date **Nov. 26/82** Recorded Holder or Agent (Signature) *[Signature]*

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
Robert A. MacGregor, 134 Palace Drive, Sault Ste. Marie, Ont. P6B 5H5

Date Certified _____ Certified by (Signature) _____



Ministry of
Natural Resources

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

Not yet approved
The Mining Act

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.

Report # 5

L 511684

Type of Survey(s) Assaying		Township or Area Hearst & McFadden	
Claim Holder(s) Superior Northwest Inc.		Prospector's Licence No. T-626	
Address Box 1110, Sault Ste. Marie, Ont.			
Survey Company Colex Explorations Inc.		Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr.	
Name and Address of Author (of Geo-Technical report) R.A. MacGregor, 134 Palace Dr. Sault Ste. Marie, Ontario		Total Miles of line Cut	

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits	Geophysical	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			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
L	511688	40			
	511689	40			
	511690	9.92			

LARDER LAKE MINING DIV.
RECEIVED
JAN 6 1983
AM 7 18 19 10 11 12 1 1 2 3 4 5 6 PM

Expenditures (excludes power stripping)

Type of Work Performed
Assaying 77 (19)

Performed on Claim(s) **L511691-93; L522788-89; L522792-93; L523348-51; L532825-27; L532830; L532834-35; L532837; L545046-L545047; L545051, L545054**

Calculation of Expenditure Days Credits

Total Expenditures		Total Days Credits	
\$ 1,348.75	+	15	= 89.92

Total number of mining claims covered by this report of work. **3**

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

For Office Use Only

Total Days Cr. Recorded 89.92	Date Recorded JAN 7 1983	Mining Recorder <i>[Signature]</i>
Date Approved as Recorded	Branch Director <i>[Signature]</i>	

Date **Jan. 3/83**

Recorded Holder or Agent (Signature)
[Signature]

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.

R.A. MacGregor, 134 Palace Dr. Sault Ste. Marie, Ont.

Date Certified **Jan. 3/83**

Certified by (Signature)
[Signature]

File 25321421

Approved

Jan 19/84

Type of Survey(s) **Assaying** Township or Area **Skead**

Claim Holder **Superior Northwest Inc.** Prospector's Licence No. **T-626**

Address **P.O. Box 1110, Sault Ste. Marie, Ontario P6A 5N7**

Survey Company **Noranda Exploration Ltd.** Date of Survey (from & to) Day **8** Mo. **80** Day **9** Mo. **80** Total Miles of line Cut

Name and Address of Author of Geo-Technical report) **Robert A. MacGregor, 134 Palace Drive, Sault Ste. Marie, Ont. P6B 5H5**

Credits Requested per Each Claim in Columns at right Mining Claims Traversed (List in numerical sequence)

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

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

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

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
L	523350	5.35			
	523352	25			
	532253	20			
	531349	21.03			
		24.73			

Recorded No. 24/82
OK
36 days recorded
Hr 25/82

LARDER LAKE MINING DIV. RECEIVED JAN 20 1983 AM 7:18 9 10 11 12 1 11 2 13 14 15 16 PM

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures **\$ 1,126.14** + **15** = **75.08** Total Days Credits

Total number of mining claims covered by this report of work. **4**

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

Date **Jan. 21/83** Recorded Holder or Agent (Signature) *[Signature]*

For Office Use Only

Total Days Cr. Recorded **21.03** Date Recorded **JAN 25 1983** Mining Recorder *[Signature]*

Date Approved as Recorded **21.03** Branch Director *[Signature]*

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 **Robert A. MacGregor, 134 Palace Drive, Sault Ste. Marie, Ont. P6B 5H5**

Date **Jan. 21/83** Certified by (Signature) *[Signature]*

WORKSHEET

in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Township or Area Hearst & McFadden	
Prospector's Licence No. T-626	
Survey Company Colex Explorations Inc.	
Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr.	
Total Miles of line Cut	
Name and Address of Author (of Geo-Technical report) R.A. MacGregor, 134 Palace Dr. Sault Ste. Marie, Ontario	

Credits Requested per Each Claim in Columns at right			Mining Claims Traversed (List in numerical sequence)					
Special Provisions	Geophysical	Days per Claim	Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
			Prefix	Number		Prefix	Number	
For first survey: A Enter 40 days. (This includes line cutting) For each additional survey: using the same grid: Enter 20 days (for each)	- Electromagnetic		L	511688	40			
	- Magnetometer			511689	40			
	- Radiometric			511690	9.92			
	- Other							
	Geological							
Man Days Complete reverse side and enter total(s) here	- Electromagnetic							
	- Magnetometer							
	- Radiometric							
	- Other							
	Geological							
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geochemical							
	Electromagnetic							
	Magnetometer							
	Radiometric							
	Geological							

LAKE LAKE MINING DIV.
RECEIVED
JAN 6 1983
 AM 7 18 19 10 11 12 1 12 13 14 15 16 PM

← Maps are in 2, 5, 2, 2

Expenditures (excludes power stripping)

Type of Work Performed
Assaying 77(10)

Performed on Claim(s) **L511691-93; L522788-89; L522792-93; L523340-51; L532825-27; L532830; L532834-35; L532837; L545046-545047; L545051, L545054**

Calculation of Expenditure Days Credits

Total Expenditures		Total Days Credits	
\$ 1,348.75	÷ 15	=	89.92

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

Total number of mining claims covered by this report of work. **3**

For Office Use Only		
Total Days Cr. Recorded	Date Recorded	Mining Recorder
89.92	JAN 7 1983	<i>[Signature]</i>
Date Approved as Recorded	Branch Director	

Date	Recorded Holder or Agent (Signature)
Jan. 3/83	<i>[Signature]</i>

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 Address of Author (of Geo-Technical report) R.A. MacGregor, 134 Palace Dr. Sault Ste. Marie, Ont.	
Date Verified JAN 3/83	Certified by (Signature) <i>[Signature]</i>

WORKSHEET

2.5374

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.

2.5220
~~2.5243~~

\$406

Department of Work
 Geophysical, Geological,
 Geochemical and Expenditures)
~~511684~~ **L511684** The Mining Act

Assaying
 Superior Northwest Inc.
 P.O. Box 1110, Sault Ste. Marie, Ontario P6A 5N7
 Canadian Co. Limited
 R.A. MacGregor, 134 Palace Drive, SAULT STE. MARIE, Ont. P6A 5N5

Township or Area
Skead
 Prospector's Licence No.
T-626

Date of Survey (from & to)
 Day | 6 | Mo. | 80 | Day | 7 | Mo. | 81 |
 Total Miles of Line Cut

Credits Requested per Each Claim in Columns at right

For first survey: Enter 40 days. (This includes line cutting)	Geophysical	Days per Claim
	- Electromagnetic	
For each additional survey: using the same grid: Enter 20 days (for each)	- Magnetometer	
	- Radiometric	
Man Days	- Other	
	Geological	
Complete reverse side and enter total(s) here	Geochemical	
	Geophysical	Days per Claim
Some Credits	- Electromagnetic	
	- Magnetometer	
Special provisions credits do not apply to Airborne Surveys.	- Radiometric	
	- Other	
Expenditures (excludes power stripping)	Geological	
	Geochemical	
Work Performed	Electromagnetic	Days per Claim
	Magnetometer	
Work Done on Claim(s)	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
L	511688	20			
	511689	20			
	511690	20			
	511691	20			
	511692	20			
	522792	40			
	522793	40			
	523348	20			
	523349	20			
	523350	14.65			

Heard

LARDEK LAKE
 MINING DIV.
RECEIVED
 NOV 24 1982
 4M
 7 12 13 14 15 16 PM

Number of Expenditure Days Credits
 Expenditures
519.75 ÷ **15** = **234.65**
 Total Days Credits

Assaying
 CANADIAN NICKEL
 D.D.H. Core

Total number of mining claims covered by this report of work.
10

Verifying Report of Work
 Registered Holder or Agent (Signature)
R.A. MacGregor

For Office Use Only
 Total Days Cr. Recorded: **234.65**
 Date Recorded: **Nov. 29, 1982**
 Date Approved as Recorded: _____
 Mining Recorder: _____
 Branch Director: _____

I 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 and same during and/or after its completion and the annexed report is true.
 Name of Person Certifying
R.A. MacGregor, 134 Palace Drive, Sault Ste. Marie

ASSAYS DONE ON FOLLOWING CLAIMS:

S w
A B
D K
R P

L- 531333

- 34
- 351
- 50
- 52
- 53
- 54
- 55

523069

- 70
- 065
- 64
- 63
- 63
- 067
- 68
- 71
- 72
- 58
- 59
- 523060
- 61

396280

- 79
- 886 74
- 81 75
- 85 70
- 88 84 (DDH only)
- 82-84 87

400764

- 01
- 03
- 700
- 02

442070

- 442601
- 442058
- 58
- 57
- 57
- 55
- 49
- 53
- 52
- 51
- 74
- 71
- 72
- 73

511760

467137

341839

- 61
- 62
- 64

- 136
- 147

61
A31

Samples taken from following claims, & shown on maps:

L-341839

- 396274-77 incl.
- 396279-87 incl (84 DDH only)
- 400700-04 incl.
- 442043-58 incl.
- 442060-61
- 442070-74 incl.
- 467136-37
- 467147
- 511760-62 incl.
- 511764
- 523058-65 incl.
- 523067-71 incl.
- 531333-34
- 531350-55 incl.

on R. of W. but
Not on any Map.

L- 511691-93

- 522788-89
- 522792-93
- 523348-51
- 532825-27
- 532830
- 532834-35
- 532837
- 545046-47
- 545051
- 545054

- 44
- 45
- 46
- 47
- 48
- 50
- 51

- 43-49
- 50-58
- 442060-61
- 442070-74

AAA

5317

Samples Taken from
Mining Claims

L-341839

✓

400700

✓

442052

✓

396274

✓

01

✓

53

✓

75

✓

02

✓

54

✓

76

✓

03

✓

55

✓

396277

✓

400704

✓

56

✓

396279

✓

442043

✓

57

✓

80

✓

44

✓

442058

✓

81

✓

45

✓

442060

✓

82

✓

46

✓

61

✓

83

✓

47

✓

442070

✓

84

✓

48

✓

71

✓

85

✓

49

✓

72

✓

86

✓

50

✓

73

✓

396287

✓

442051

✓

442074

✓

467136

✓

511764

✓

523063

✓

467137

✓

523058

✓

64

✓

467147

✓

59

✓

523065

✓

511760

✓

60

✓

523067

✓

61

✓

61

✓

68

✓

511762

✓

523062

✓

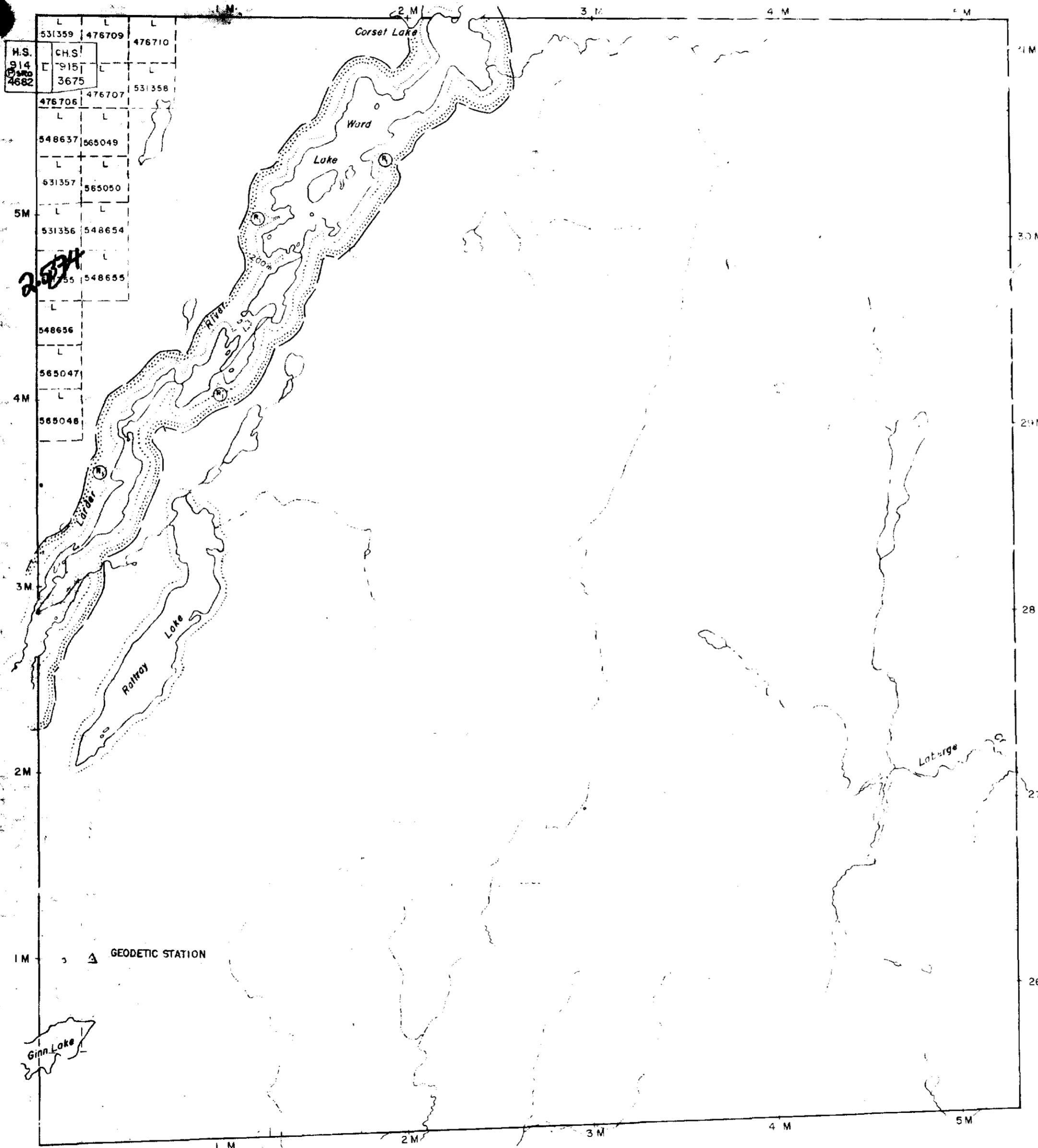
69

✓

523070

✓

McFadden Twp.



Skead Twp.

Province of Quebec

Mulligan Twp.

THE TOWNSHIP OF

RATTRAY

DISTRICT OF
TIMISKAMING

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓛ
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.

NOTES

400' Surface rights reservation around all lakes and rivers.

South Boundary taken from Forest Resources Inventory maps.

Areas withdrawn from staking under Section 43 of the Mining Act. (R.S.O. 1970)

File	Date	Disposition
W11/79	188522	June 19'79 S.R. & M.R.



PLAN NO.-M.384

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

J.P.v.K.



2.4057

NOTES

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

All unpatented mining claims accepted subject to survey, Section 11B of the Mining Act (R.S.O. 1970).

SAND and GRAVEL

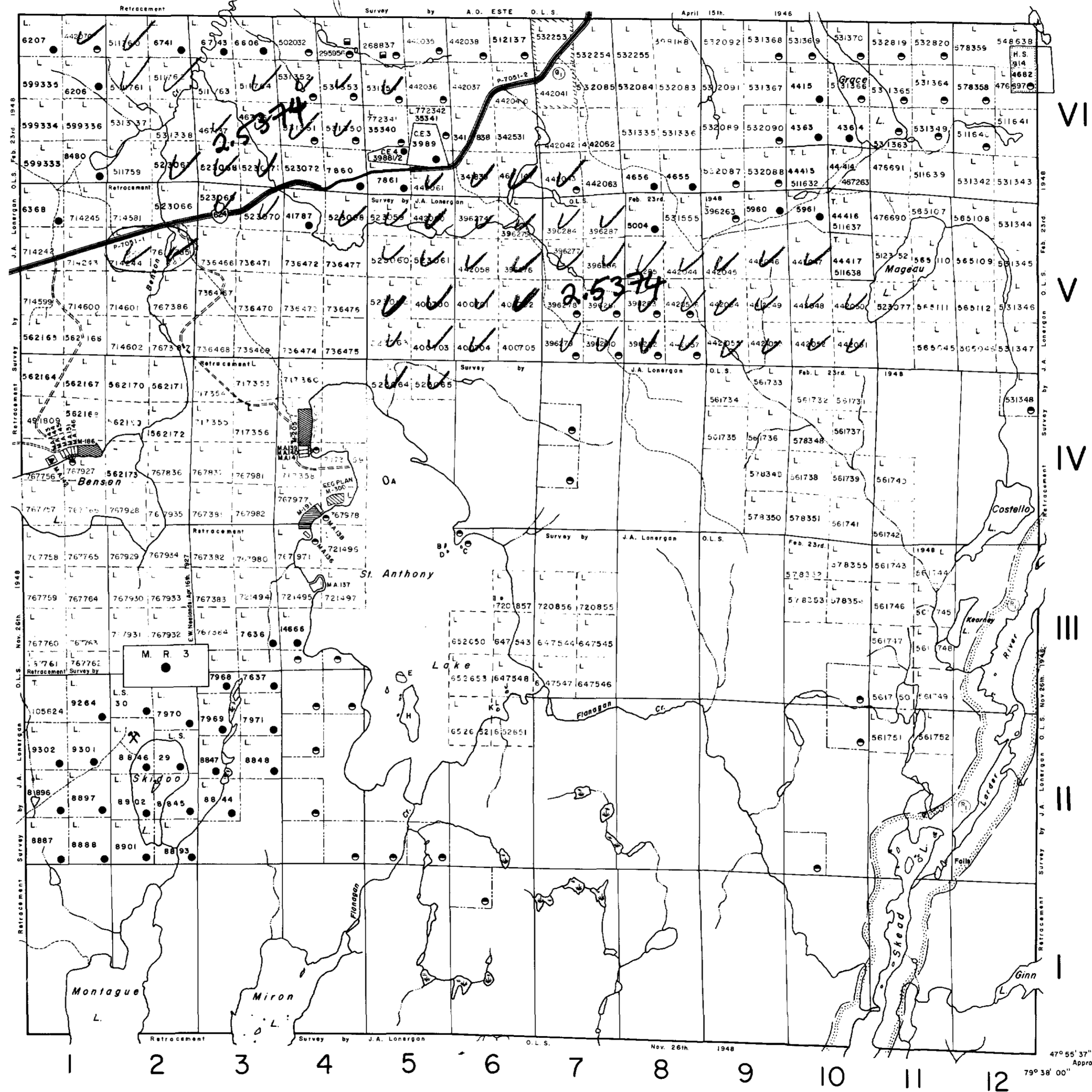
M.T.C. PIT No. 1230

Areas withdrawn from staking under Sec 43 of the Mining Act.

File	Date	Disposit
W11/79	188522	June 19 '79
		surface & mining rights.

HEARST TP. M.354

CATHARINE TP. M.336



BAYLY TP. M.323

LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
CROWN LAND SALE	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

SCALE: 1 INCH = 40 CHAINS



ACRES	HECTARES
40	16

TOWNSHIP

SKEAD

DISTRICT

TIMISKAMING

MINING DIVISION

LARDER LAKE



Ministry of Natural Resources

Ontario Surveys and Mapping Branch

Date 10/4/74

Plan No.

Whitney Block
Queen's Park, Toronto

M.387

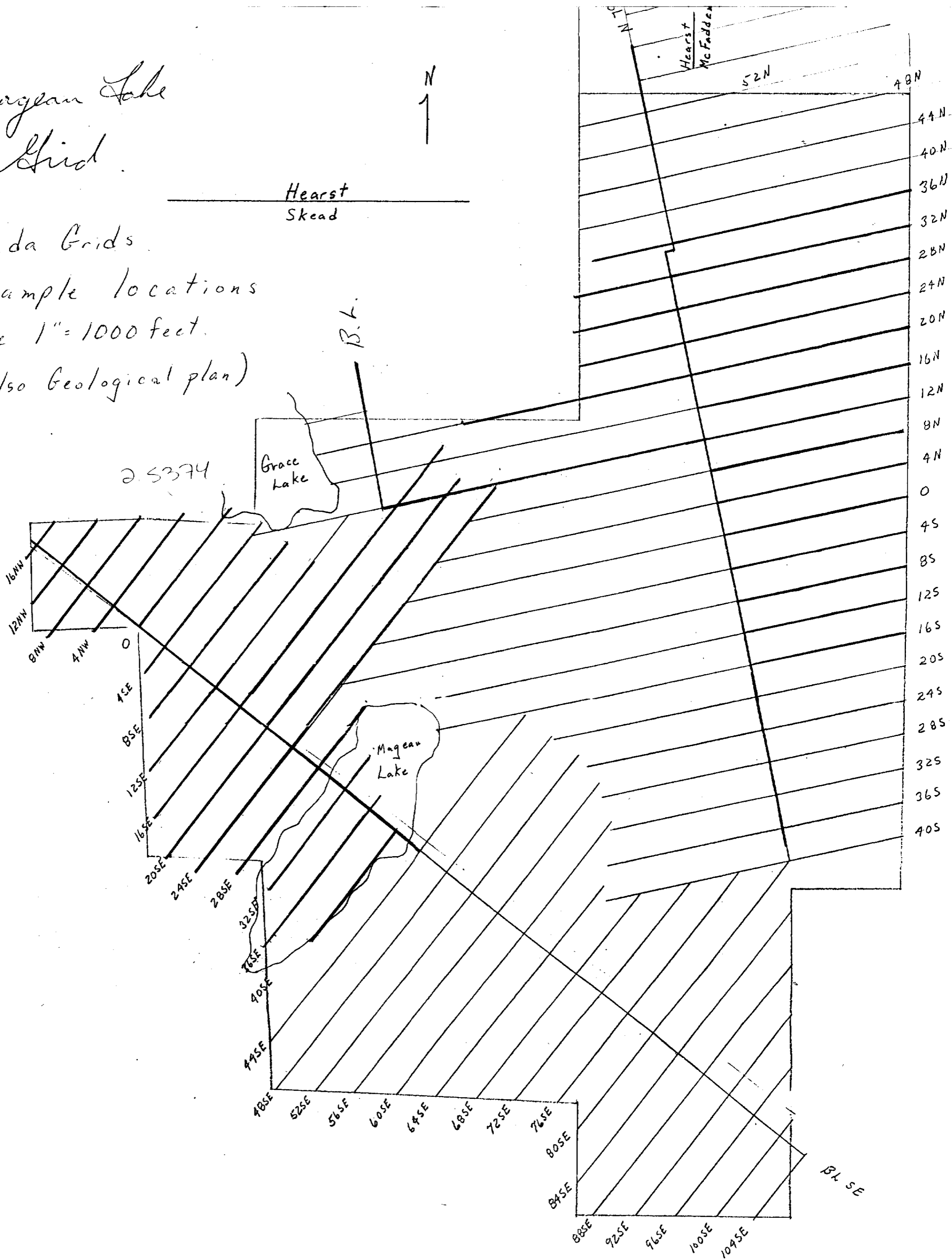


Mageau Lake Grid

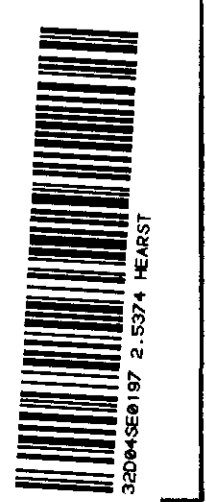


Hearst
Skead

Noranda Grids
for sample locations
Scale 1" = 1000 feet.
(See also Geological plan)



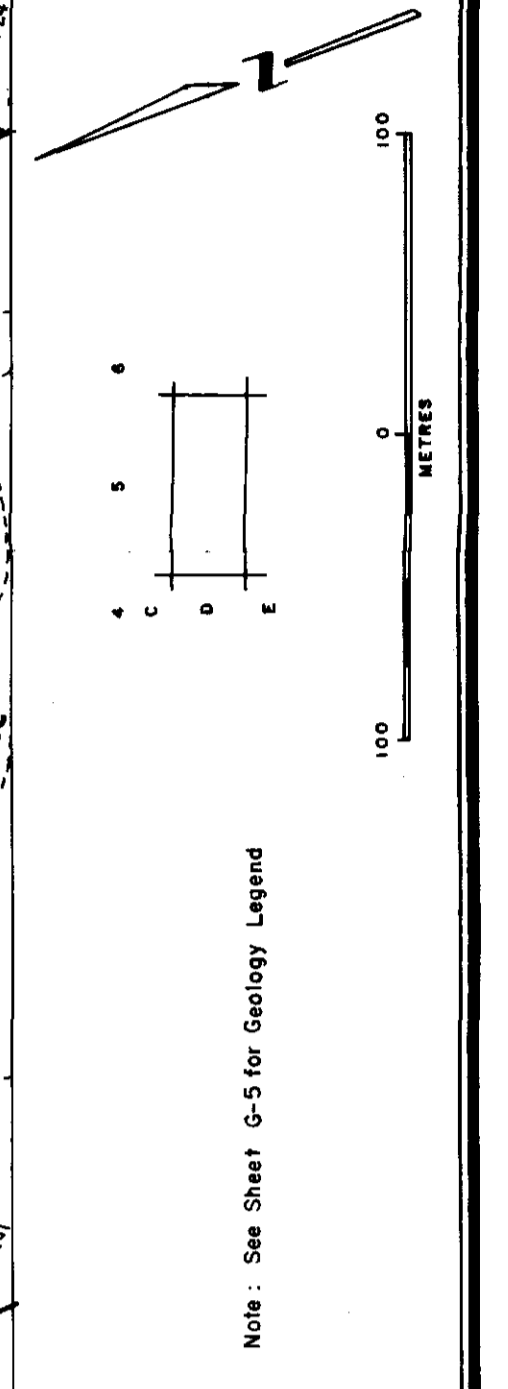
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304568107 2 5374 HEARST

230

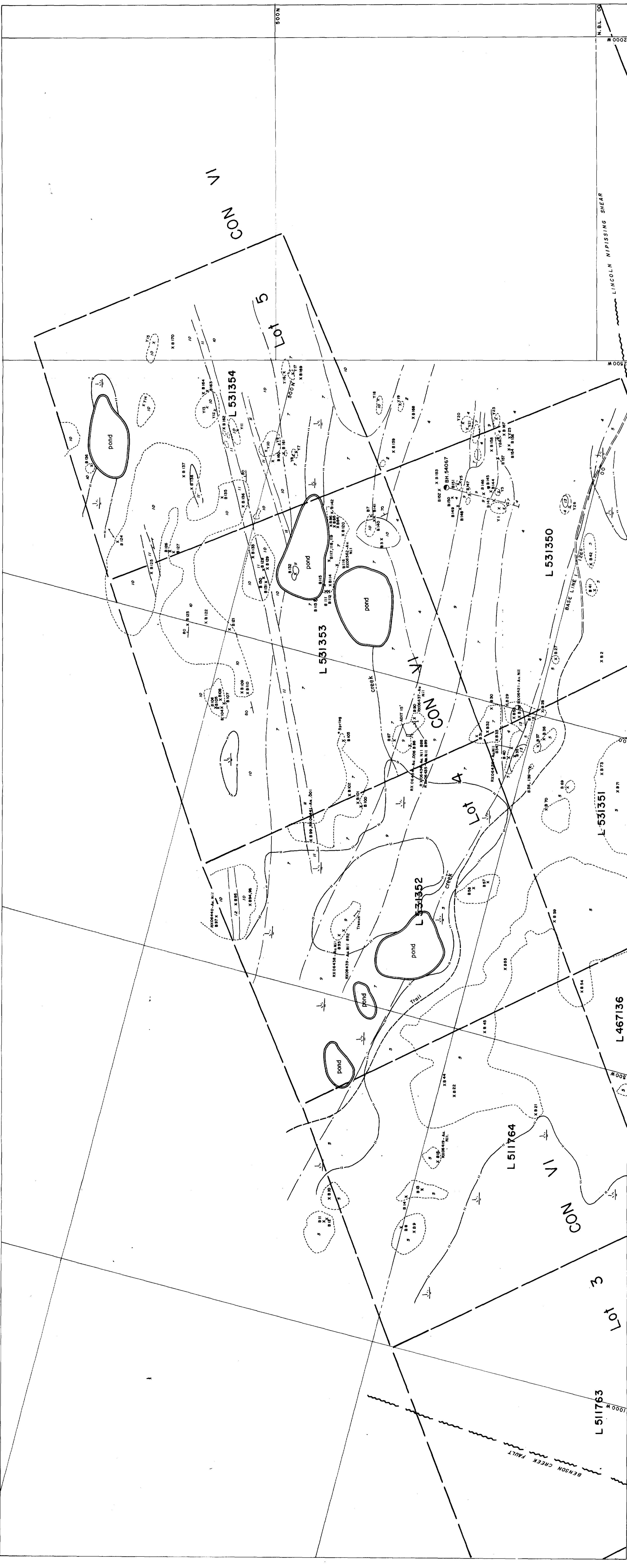
Project: BENSON CREEK GRID		Area: SHEAD (M 387) and HEARST (M 354) TFS.
Supervisor: R.A. Bennett	Instrument:	Survey date: 05/80-07/81
Compiled by: M.L. Thomson	Drawn by: W.J.S. / R.M.K.	Date drawn: 08-07/81
Scale: 1:2500	File:	Revised:
Canadain Nickel Company Limited CANICO-SUPERIOR NORTHWEST, INC. GEOLOGY SURVEY		SHEET: D-5
Corner: Cliff, Ontario POM: NO		FIGURE:



Note: See Sheet G-5 for Geology Legend



2. 5374



Project: Benson Creek and Lincoln-Nipissing Grids		Area: SKEAD TOWNSHIP (M-387)
Supervisor: R.A. Bennett	Instrument:	Survey date: 05/80-07/81
Compiled by: M.L. Thompson	Drawn by: W.J.S./R.M.K.	Date drawn: 05-07/81
Scale: 1:2500	File: NTS 31M 13	Revised:

Canadian Nickel Company Limited
 CANICO-SUPERIOR NORTHWEST, INC.
 GEOLOGY SURVEY

SHEET
 FIGURE
 D-6

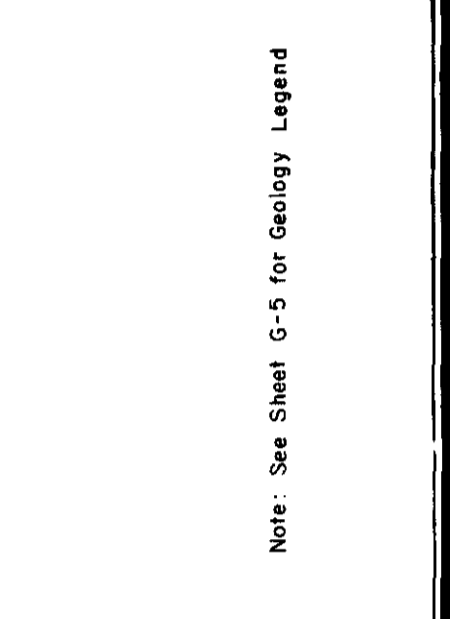
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 Area: SKEAD TOWNSHIP (M-387)

Supervisor: R.A. Bennett
 Instrument:
 Survey date: 05/80-07/81

Compiled by: M.L. Thompson
 Drawn by: W.J.S./R.M.K.
 Date drawn: 05-07/81

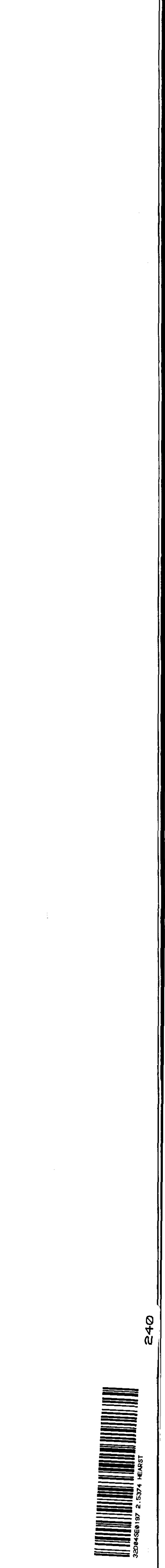
Revised:
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Scale: 1:2500



Note: See Sheet G-5 for Geology Legend

240



CON VI
Lot 8

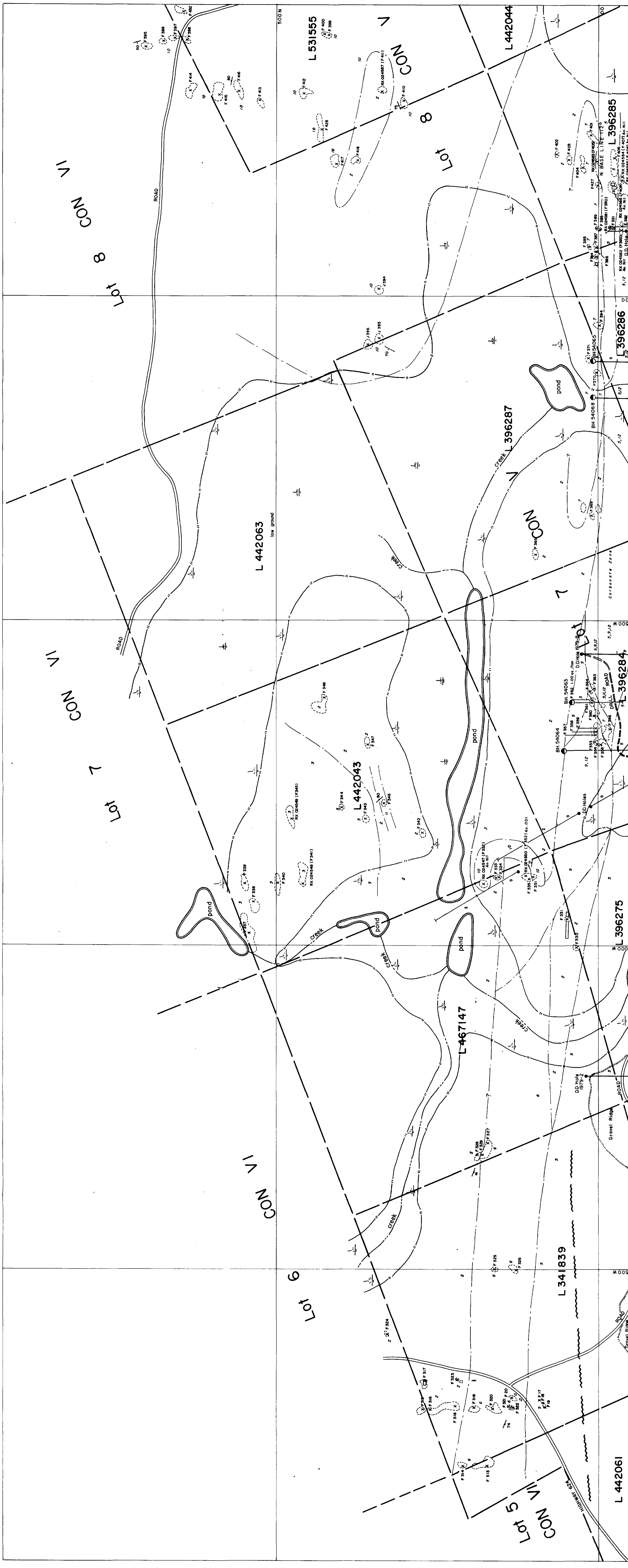
CON VI
Lot 7

CON VI

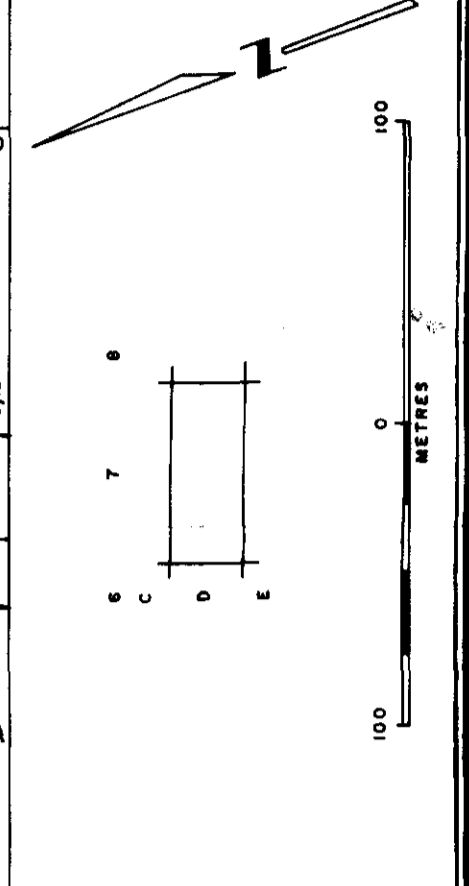
Lot 9

CON VI
Lot 5

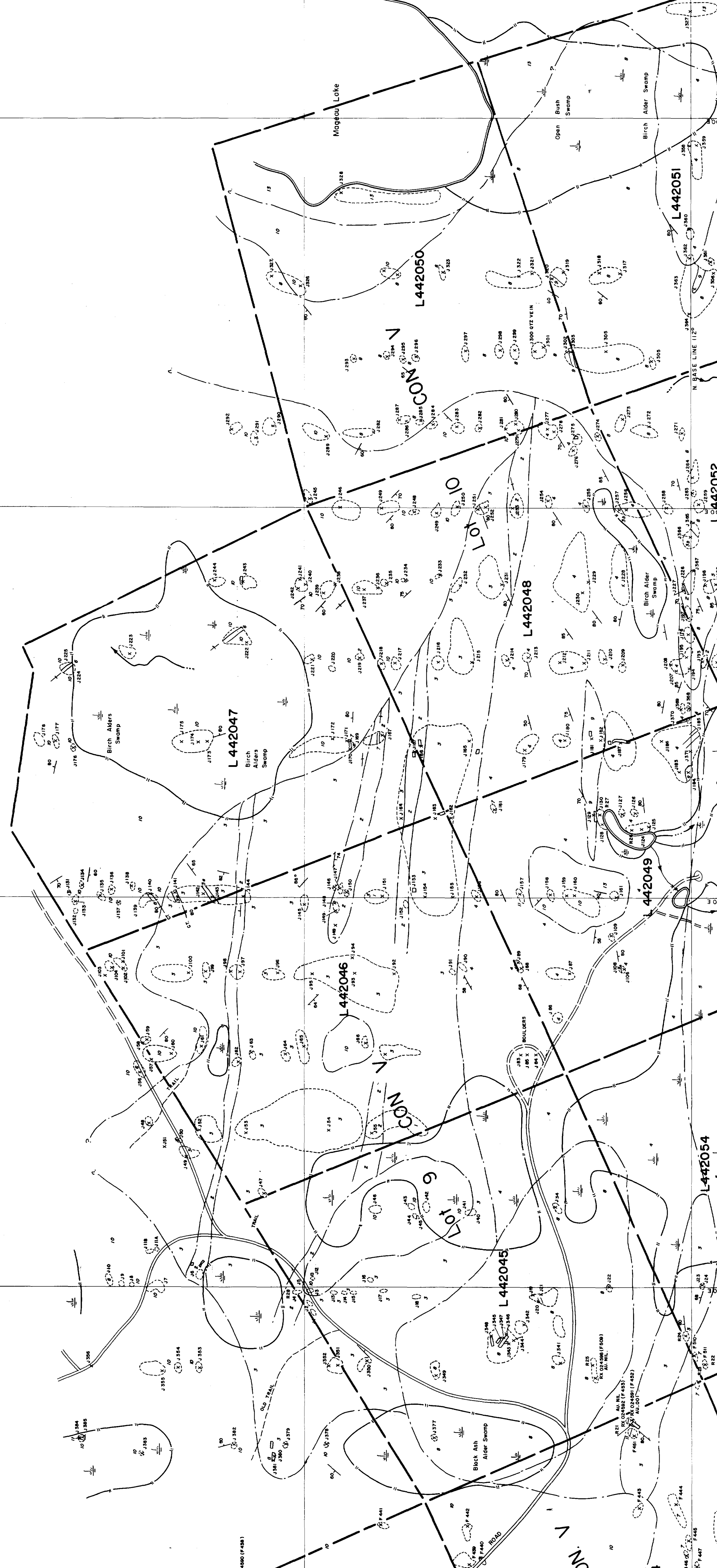
CON C
Lot 8



Project LINCOLN-NIPISSING GRID		Area SHEAD TOWNSHIP (M-387)
Supervisor: R. A. Bennett	Instrument	
Compiled by: M. L. Thomson	Drawn by: WJS / RMK	
Scale 1:2500	File	
Canadian Nickel Company Limited		Survey date 05/80 - 07/81
CANICO-SUPERIOR NORTHWEST, INC.		Revised 06-07/81
GEOLOGY SURVEY		NTS 31M13 25374
SHEET	FIGURE	
D-7		



Note: See Sheet G-5 for Geology Legend



Canadian Nickel Company Limited
 CANICO-SUPERIOR NORTHWEST, INC.
 GEOLOGY SURVEY

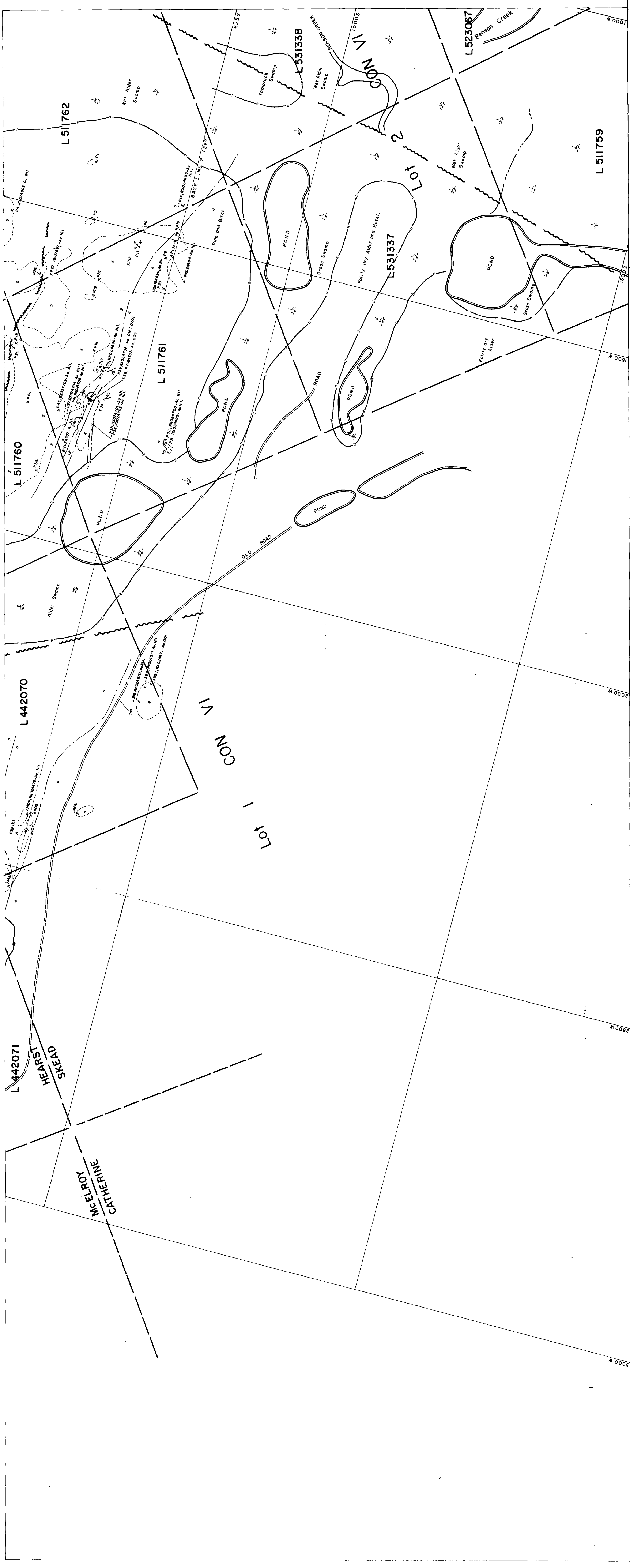
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 Area: SKEAD TOWNSHIP (M. 387)

Supervisor: R. A. Bennett
 Company: M.L. Thomson
 R. Bennett

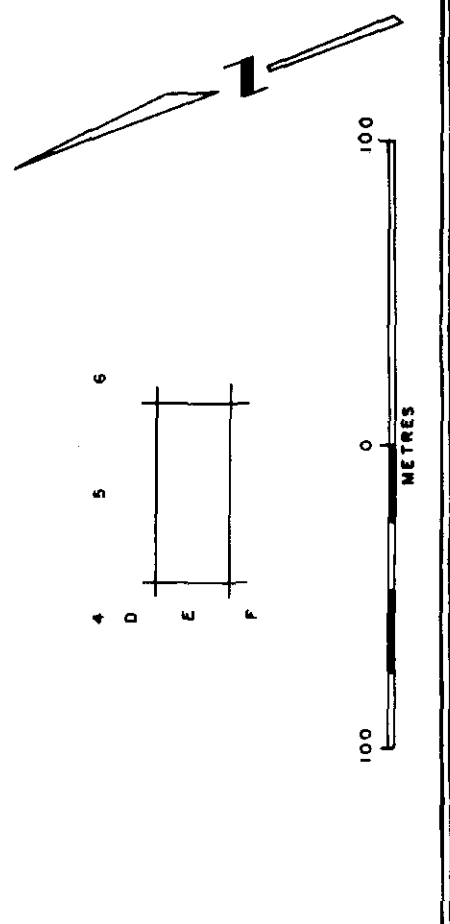
Scale: 1:2500
 Date drawn: 08-07-81
 Survey date: 05/80-07/81
 NTS 31M 13
 SHEET: D-8
 FIGURE

Note: See Sheet G-5 for Geology Legend





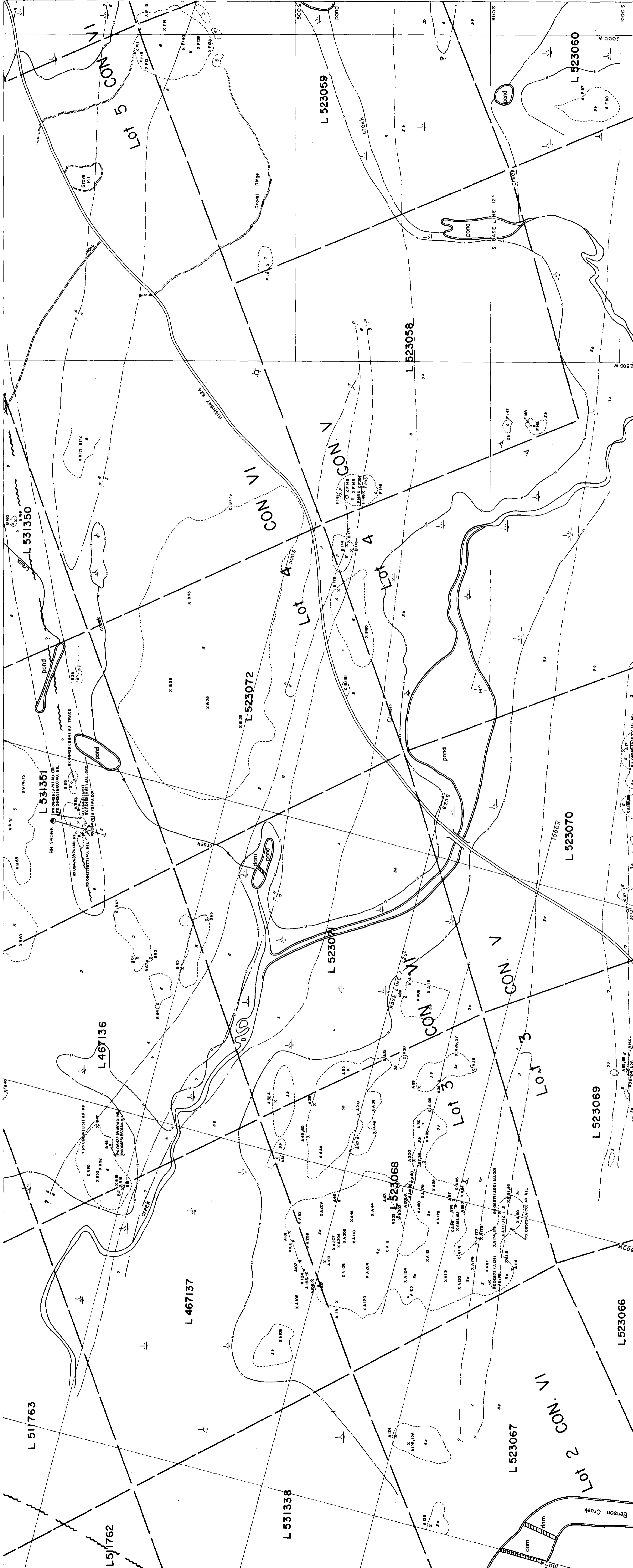
Canadian Nickel Company Limited		Project: BENSON CREEK GRID
CANICO-SUPERIOR NORTHWEST, INC.		Area: SKEAD TOWNSHIP (M. 397)
GEOLOGY SURVEY		Supervisor: R. A. Bennett
SHEET	FIGURE	Instrument:
E-5		Drawn by: W.J.S./R.M.K.
		Date drawn: 08-07-81
		Reviewed:
		By: R. Bennett
		Scale: 1:2500
		File:
		NTS 31M 13



Note: See Sheet G-5 for Geology Legend

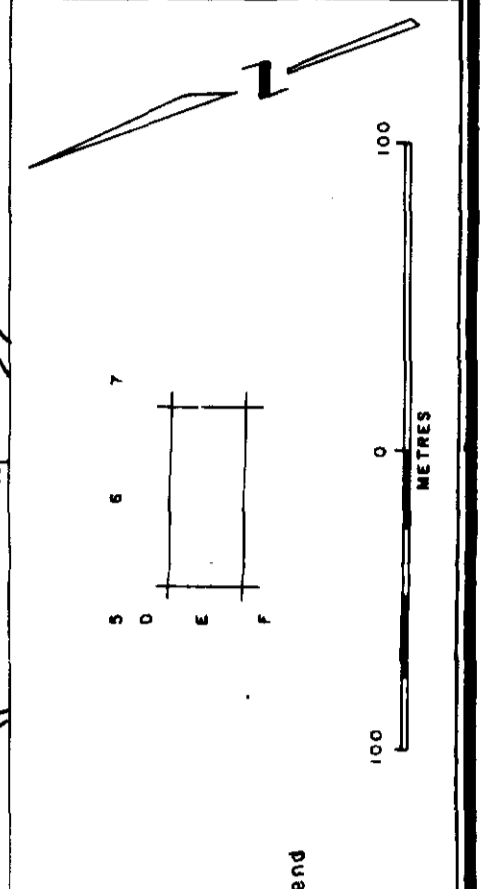
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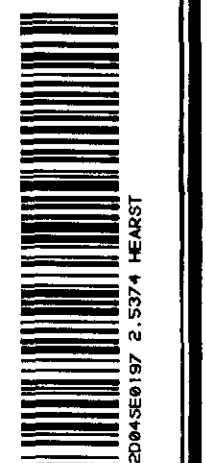


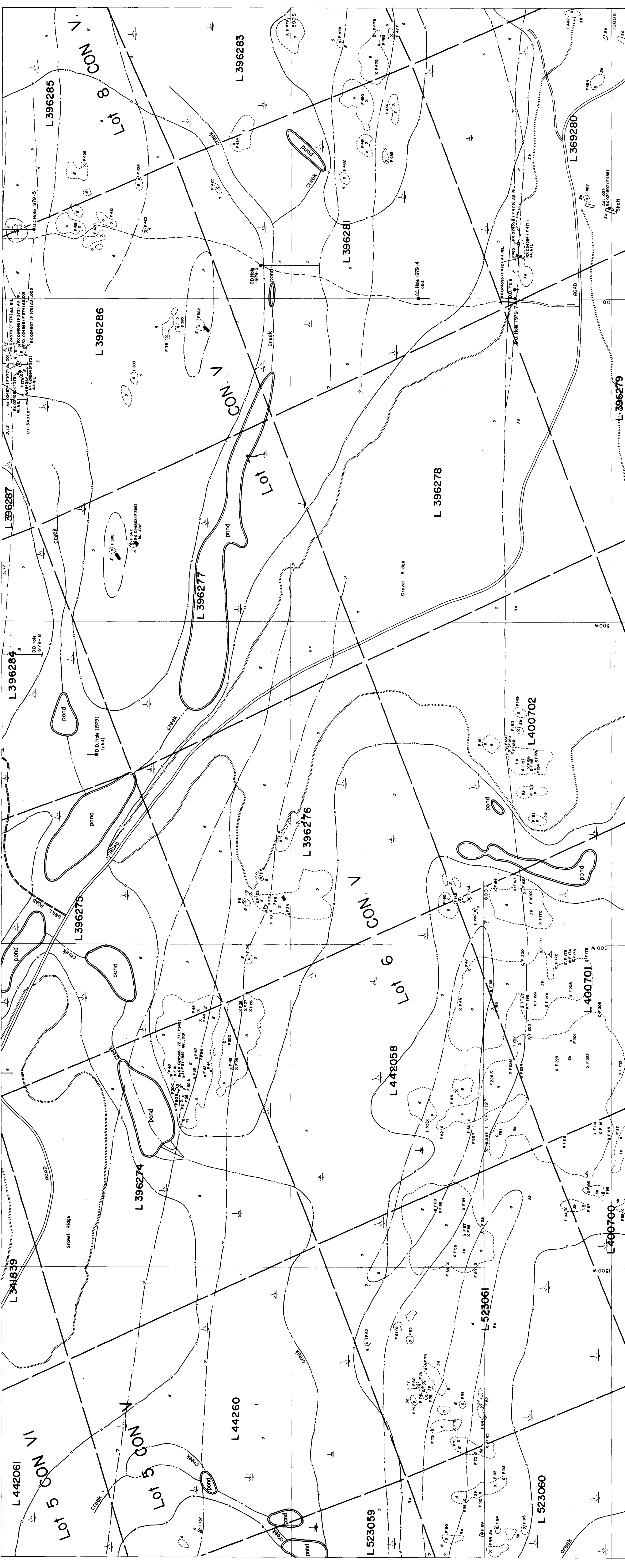
Canadian Nickel Company Limited
 CANICO - SUPERIOR NORTHWEST, INC.
 GEOLOGY SURVEY

Project: Benson Creek and Lincoln-Nipissing Grids Area: SKEAD TOWNSHIP (M-387)
 Supervisor: R. A. Bennett
 Checked by: M. L. Thompson
 Scale: 1:2500
 Date of Survey: 05/80-07/81
 Date of Plan: 06-07/81
 Date of Revision: 06-07/81
 File: NTS 31M 13

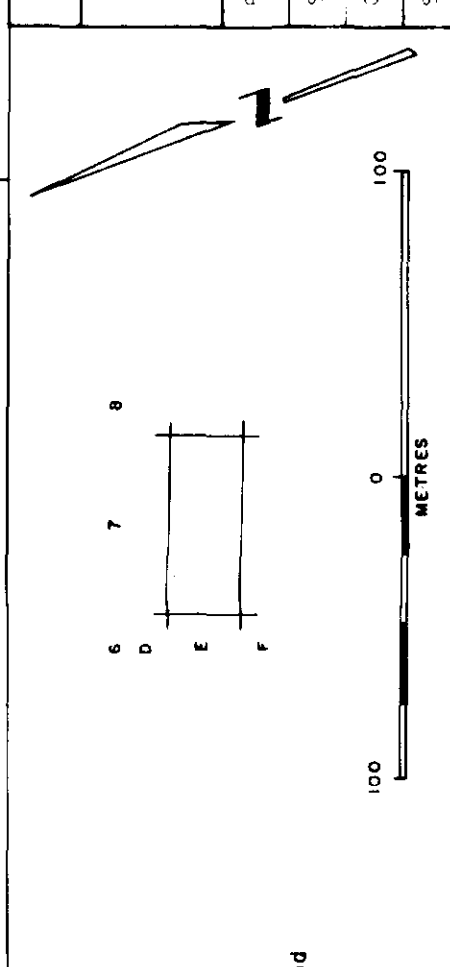


Note: See Sheet G-5 for Geology Legend

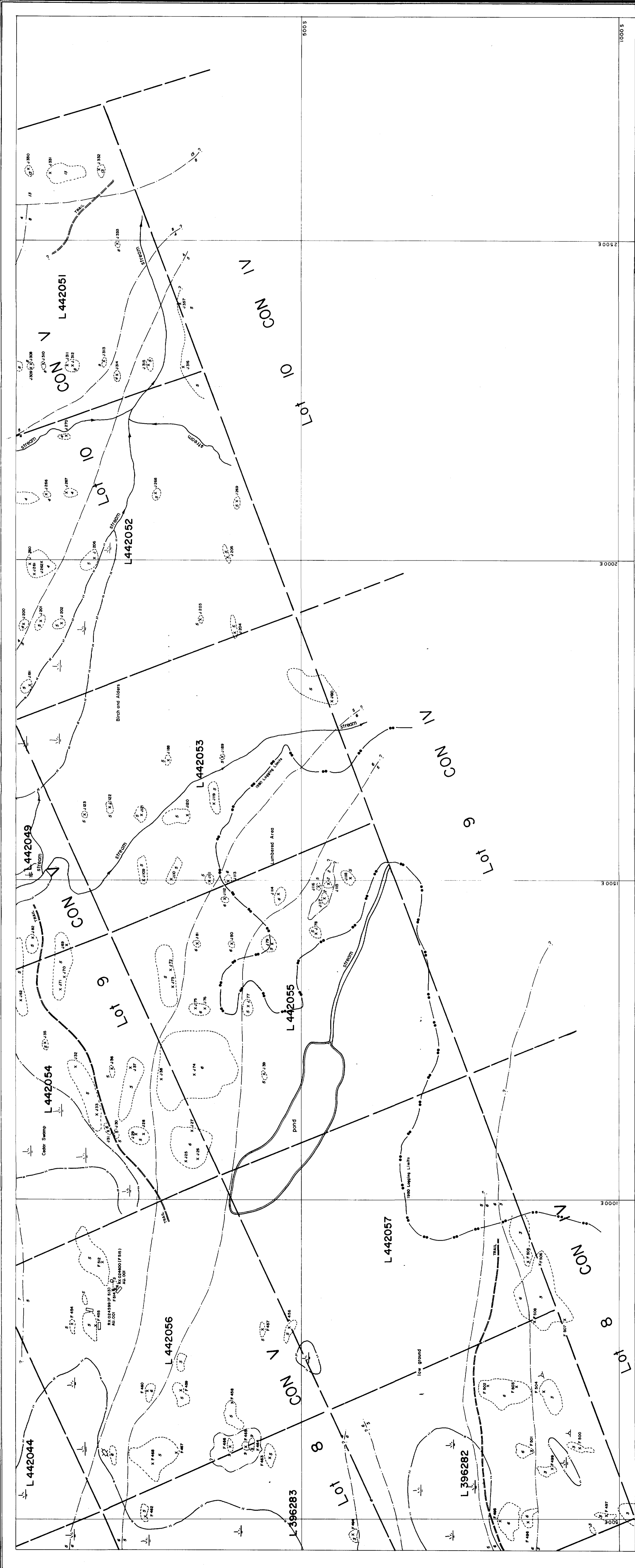




Canadian Nickel Company Limited		Copper, Chlf., Omnia POM, IND
CANICO - SUPERIOR NORTHWEST, INC.		
GEOLOGY SURVEY		
Page: LINCOLN-NIPISSING GRID	4.00 SKEAD TOWNSHIP (M. 387)	
Supervisor: R. A. Bennett	Instrument	Survey date: 05/80-07/81
Comptroller: M. L. Thompson	Draftsman: WJS / RMK	Revised: 06-07/81
Scale: 1:2500	Sheet	E-7
	Figure	



Note: See Sheet G-5 for Geology Legend



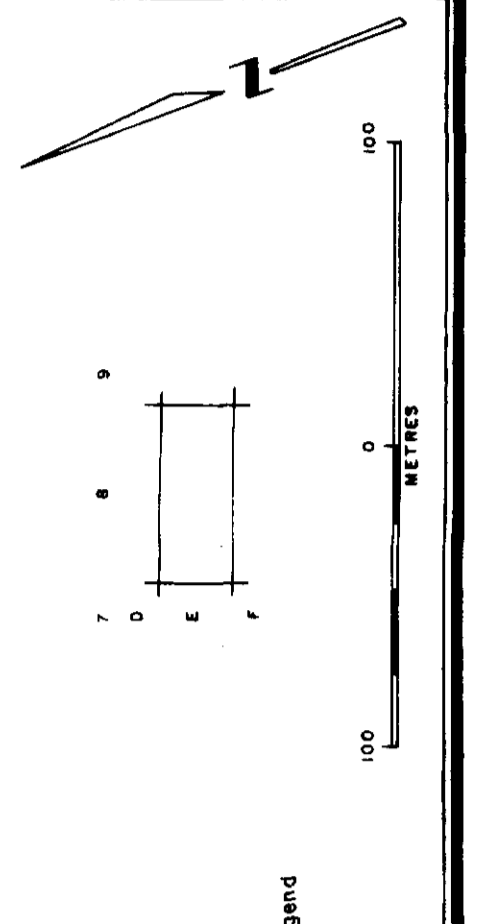
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 CANICO-SUPERIOR NORTHWEST, INC.
GEOLOGY SURVEY

Project: LINCOLN-NIPISSING GRID
 Area: SKEAD TOWNSHIP (M-387)

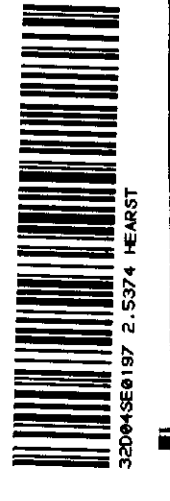
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 Instrument:
 Checked by: M.L. Thomson
 Drawn by: WJS / RMK
 File:
 Scale: 1:2500

Survey date: 05/90 - 07/91
 Date drawn: 06-07/91
 Revised:
 NTS 31M 13

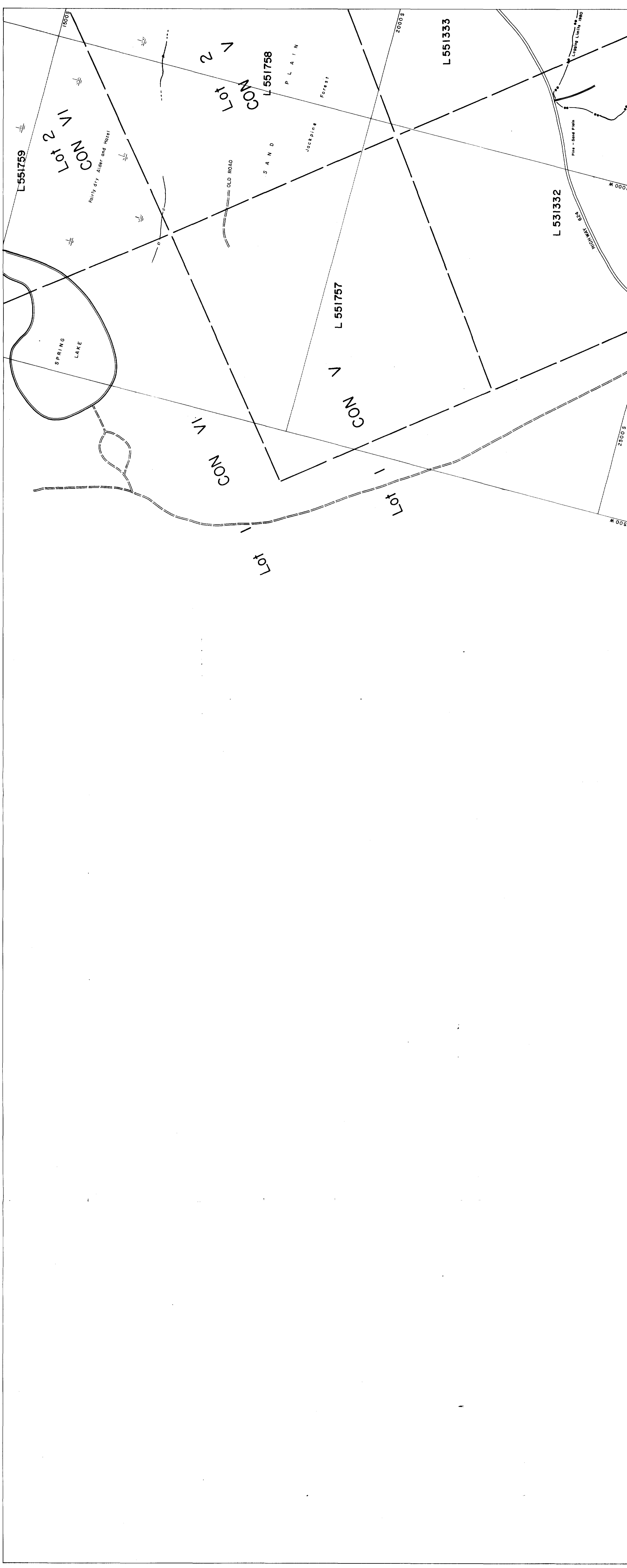
FIGURE
E-8



Note: See Sheet G-5 for Geology Legend



2.5374



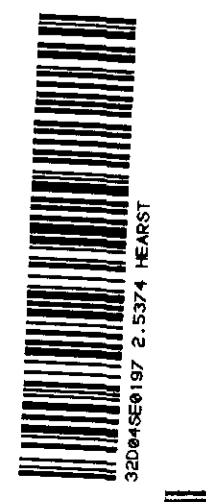
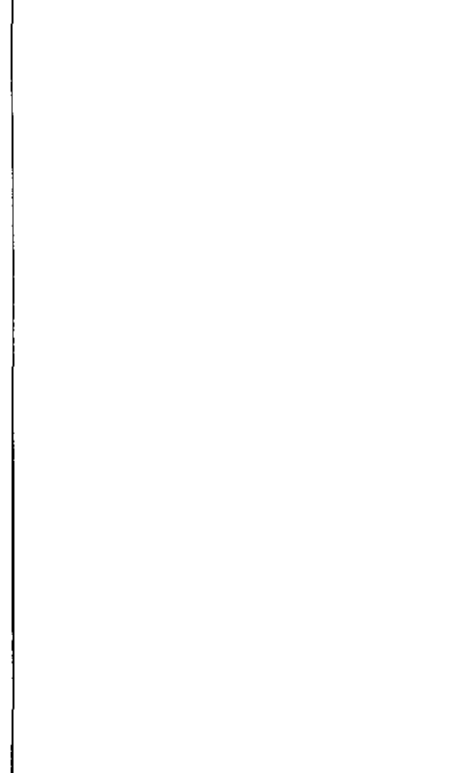
Canadian Nickel Company Limited
 CANICO-SUPERIOR NORTHWEST, INC.
 GEOLOGY SURVEY

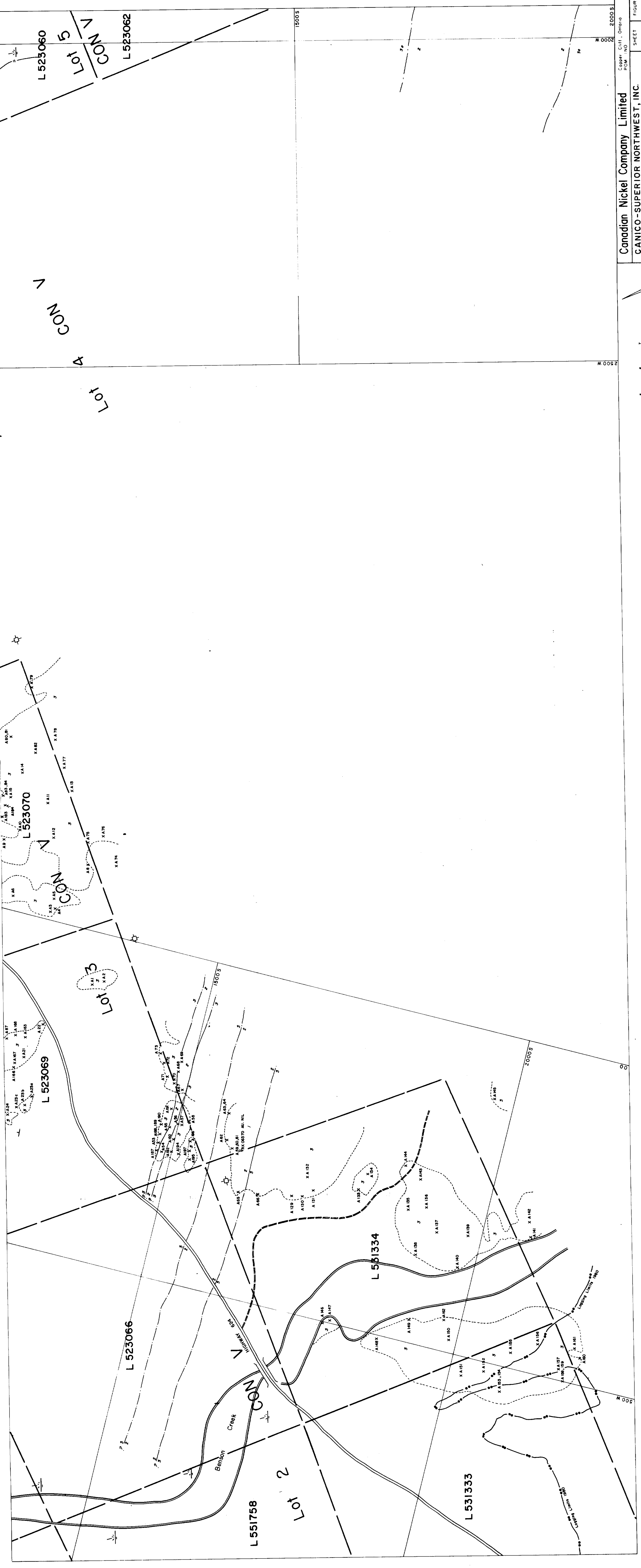
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 Area: SKEAD TOWNSHIP (M-387)
 Supervisor: R. A. Bennett
 Instrument: Survey date 05/80-07/81
 Checked by: M. Thompson
 Drawn by: WJS / RMK
 Date drawn: 08-07/81
 Reviewed: [Signature]
 Scale: 1:2,500
 File: NTS 31M13

SHEET: F-5
 FIGURE:

Copper Cliff, Ontario
 P.O.M. INC.

Note: See Sheet G-5 for Geology Legend





Project: Benson Creek and Lincoln-Nipissing Grids Copper Cliff, Ontario
 CANADIAN NICKEL COMPANY LIMITED
 CANICO - SUPERIOR NORTHWEST, INC.
 GEOLOGY SURVEY

SHEET F-6
 FIGURE

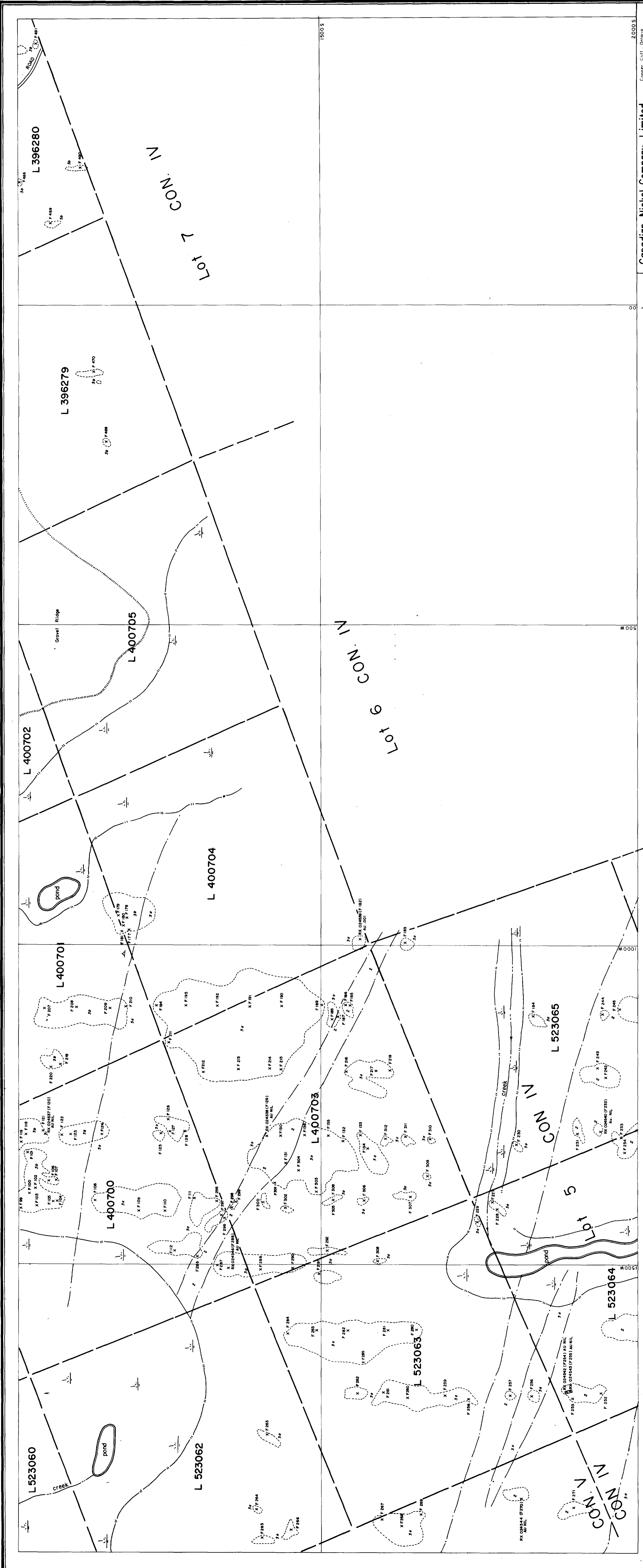
Supervisor	R. A. Bennett	Drawn by	W.J.S. / R.M.K.
Compiled by	M.L. Thomson	Date	05/80
Scale	1:2500	File	NTS 31M 13

Scale 1:2500
 Project: Benson Creek and Lincoln-Nipissing Grids
 Survey Date: 05/80-07/81
 Date of Issue: 05/80
 Scale: 1:2500
 File: NTS 31M 13

Note: See Sheet G-5 for Geology Legend



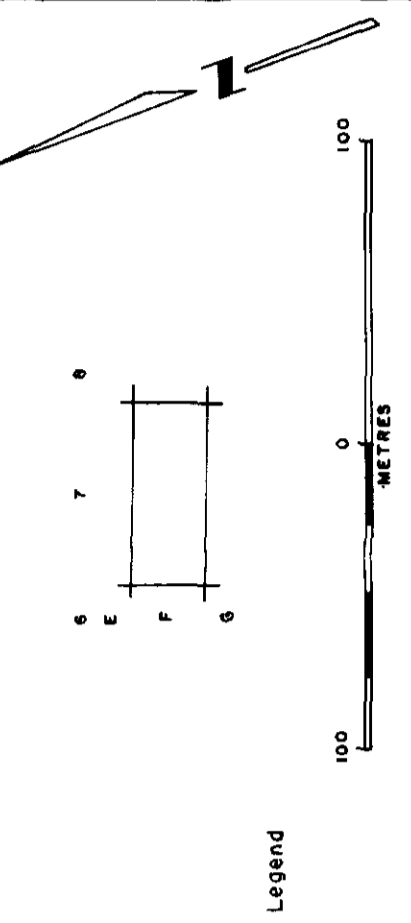
2025 RELEASE UNDER THE EARL B. HENNING



Canadian Nickel Company Limited
Copper Cliff, Ontario
CANICO - SUPERIOR NORTHWEST, INC.
GEOLOGY SURVEY

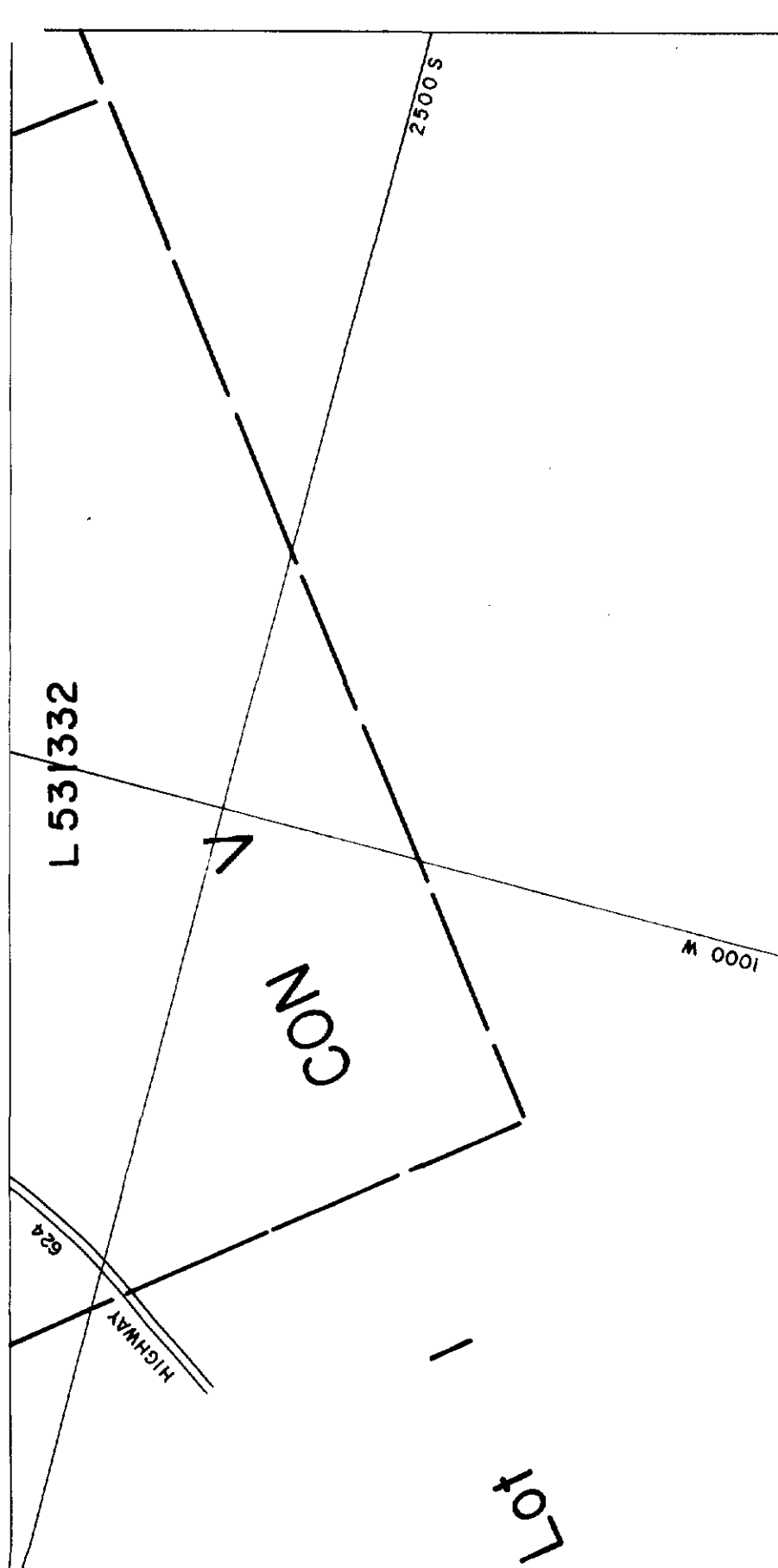
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 Supervisor: R. A. Bennett Instrument: Survey date: 05/80-07/81
 Compiled by: M. L. Thomson Date drawn: 06-07/81 Revised:
 Scale: 1:2500 File: N.T.S. 31113

SHEET F-7 FIGURE



Note: See Sheet G-5 for Geology Legend





LEGEND

PROTEROZOIC

HURONIAN

916 13 Gowanda Formation - conglomerate (13a), greywacke (13b)

ARCHEAN

LARDER LAKE GROUP

929 12 Porphyry Dykes - Feldspar, green-white-pink matrix.

941 11 Lamprophyre (mafic syenite) biotite rich, hematized feldspar (No rich)

936 10 Immature Sediments - greywacke, arkose, siltstone conglomerate - typically immature, poorly sorted mafic matrix.
-arkose can be locally confused with rhyolite tuffs (Skead Group?)
-conformable to unconformable with volcanics (basins resting in volcanics)

928 9 Syenite - typically pink to red to brick, hematized, fine-medium grained, usually feldspar porphyritic, iron carbonated, and cut by quartz veins, and pyritic. (Albitized = Na rich, K poor)

930 8 Hornblende Syenite, Syenodiorite - Granophyric - a hybrid intrusive on eastern portion of Grid.

941 7 Mafic Syenite - usually associated with above, biotite rich typically hematized feldspars (may be distillate of either syenite or peridotite)

947 6 ~~Basalt~~ Gabbro - medium-coarse grained dark green, pyroxene-amphibole, feldspar - magnetite and leucosane bearing. A differentiate of peridotite sills. Can be confused with gabbroic lavas which they intrude.

931 5 Peridotite - massive, magnetite, pyroxene - peridotite - dunite subvolcanic sill. Everywhere weakly to moderately serpenitized.

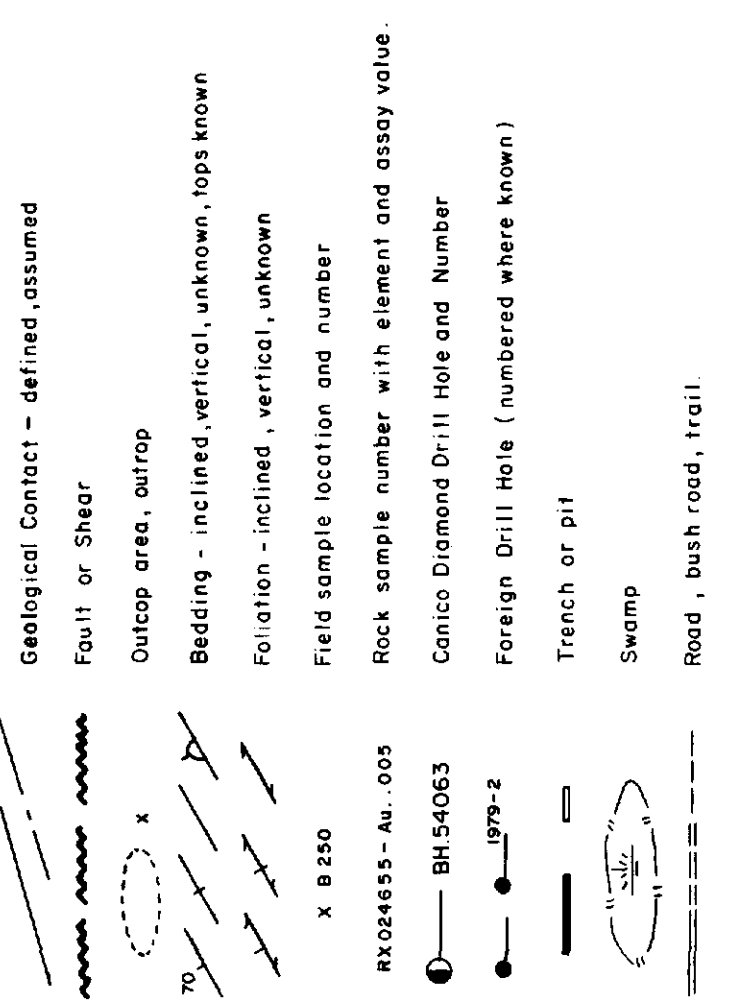
911 4 Ultramafic Conglomerate - calcose, very immature komatiitic to peridotitic matrix (magnetite, minor pyrite) containing peridotite, spinifexoid volcanic, crystal tuff (Skead Group), feldspar porphyry, chert and rhyolitic clasts ranging from 1mm to 2 meters in diameter.
-Unit is a LAHARIC volcano - sediment representing a mixing of the last stages of the Skead volcanics (felsic) and the beginning of the Larder Lake Volcanics (mafic-ultramafic)

907 3 Mafic Volcanics - 3a massive medium-coarse grained dioritic to gabbroic flows (gabbro sills?) that can grade to pillow lavas along strike.
3b massive fine grained pillowed to knobby dark green flows, basaltic composition.

903 2 Felsic Volcanoclastics - fine to coarse grained massive to bedded crystal (locally also ilitic) tuff of rhyolite composition. Can be agglomeratic and may in part be re-deposited (Laharic). Typically feldspar porphyritic, mw (1-5%) pyrite and does not stain with HF - No albitiniferous therefore Na rich, K poor. Likely tholeiitic, felsic.

910 1 Intermediate Volcanics - massive, fine grained, sometimes pillowed andesitic flows

Symbols

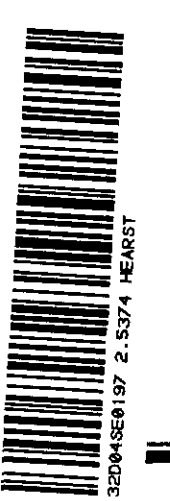
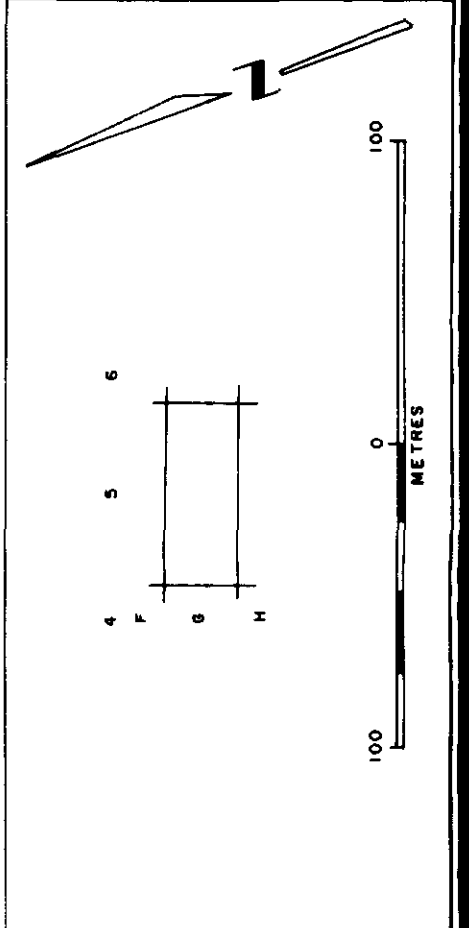


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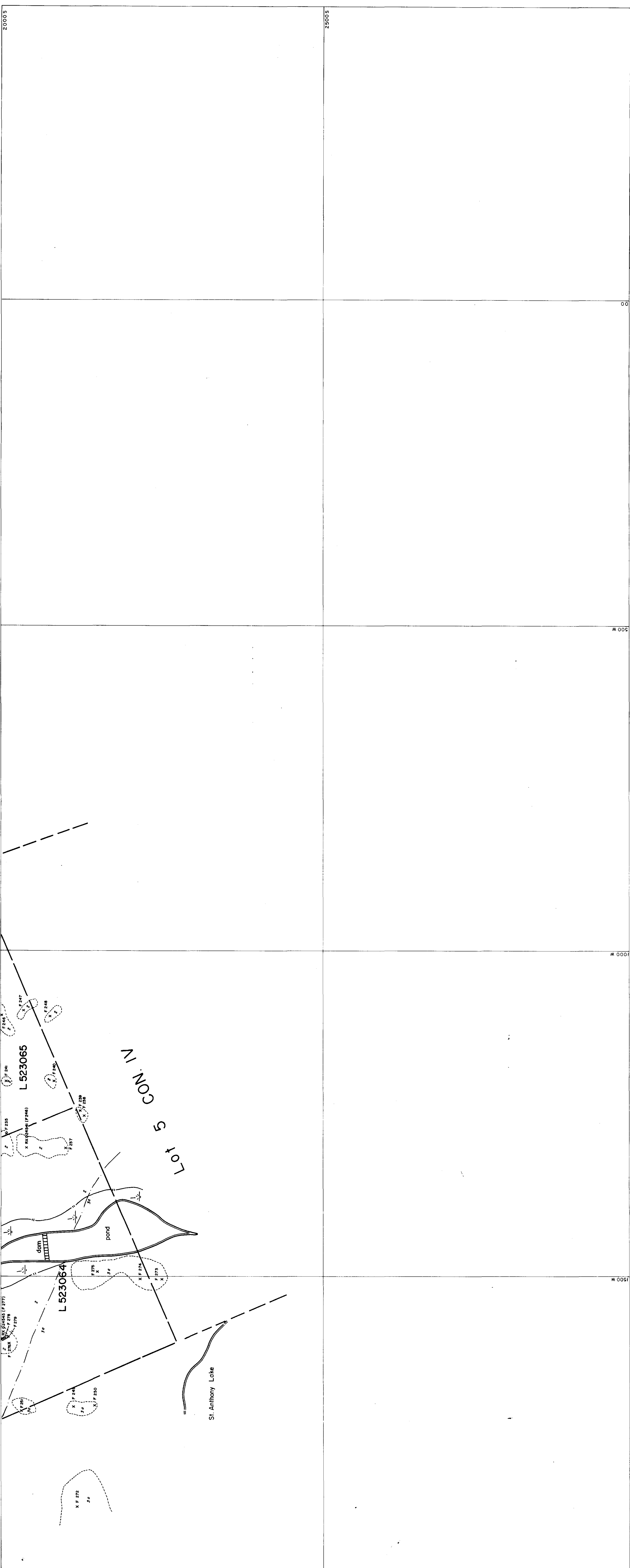
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Supervisor: R. A. Bennett Instrument: _____ Survey date: 05/80-07/81
 Compiled by: R. A. Bennett Drawn by: WJS / RMK Date: 08/27/80 Revised
 Scale: 1:25,000 File: NTS-31M 13

SHEET: **G-5** FIGURE: _____

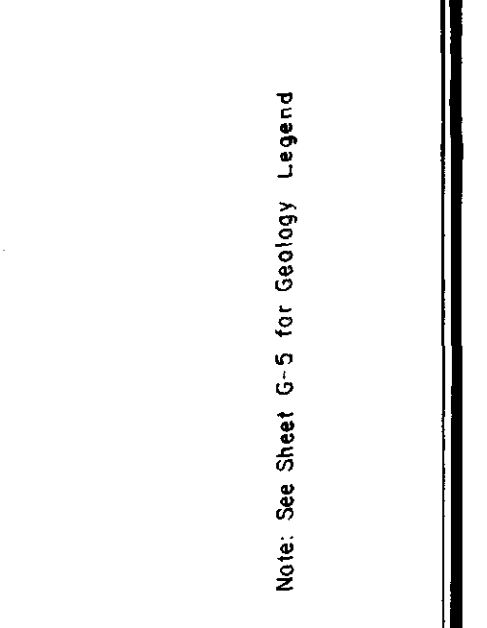


2-5374

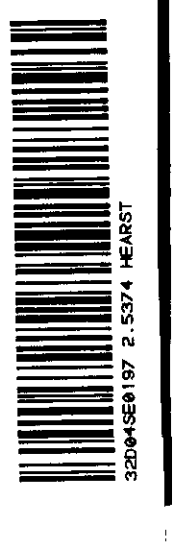


Canadian Nickel Company Limited
 CANICO - SUPERIOR NORTHWEST, INC.
 GEOLOGY SURVEY

Project: LINCOLN-NIPISSING GRID
 Area: SKEAD TOWNSHIP (M. 387)
 Supervisor: R. A. Bennett
 Instrument: Diaper, WJS / BMK
 Compiled by: M. L. Thomson
 Scale: 1:2500
 Date drawn: 05-07/81
 Revised: NTS 31M 13



Note: See Sheet G-5 for Geology Legend



350

250458107 2.5374 HEARST

h2577