

42A05NE0084 2 16128 BRISTOL

010

**SUMMARY OF
INDUCED POLARIZATION SURVEY
ON
MAHONEY CREEK PROJECT (507)**

2 11

Qual. # 2-8966

**Timmins, Ontario
May 1995**

**Robert Calhoun
Senior Geologist**

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- Figure 1 Property Location**
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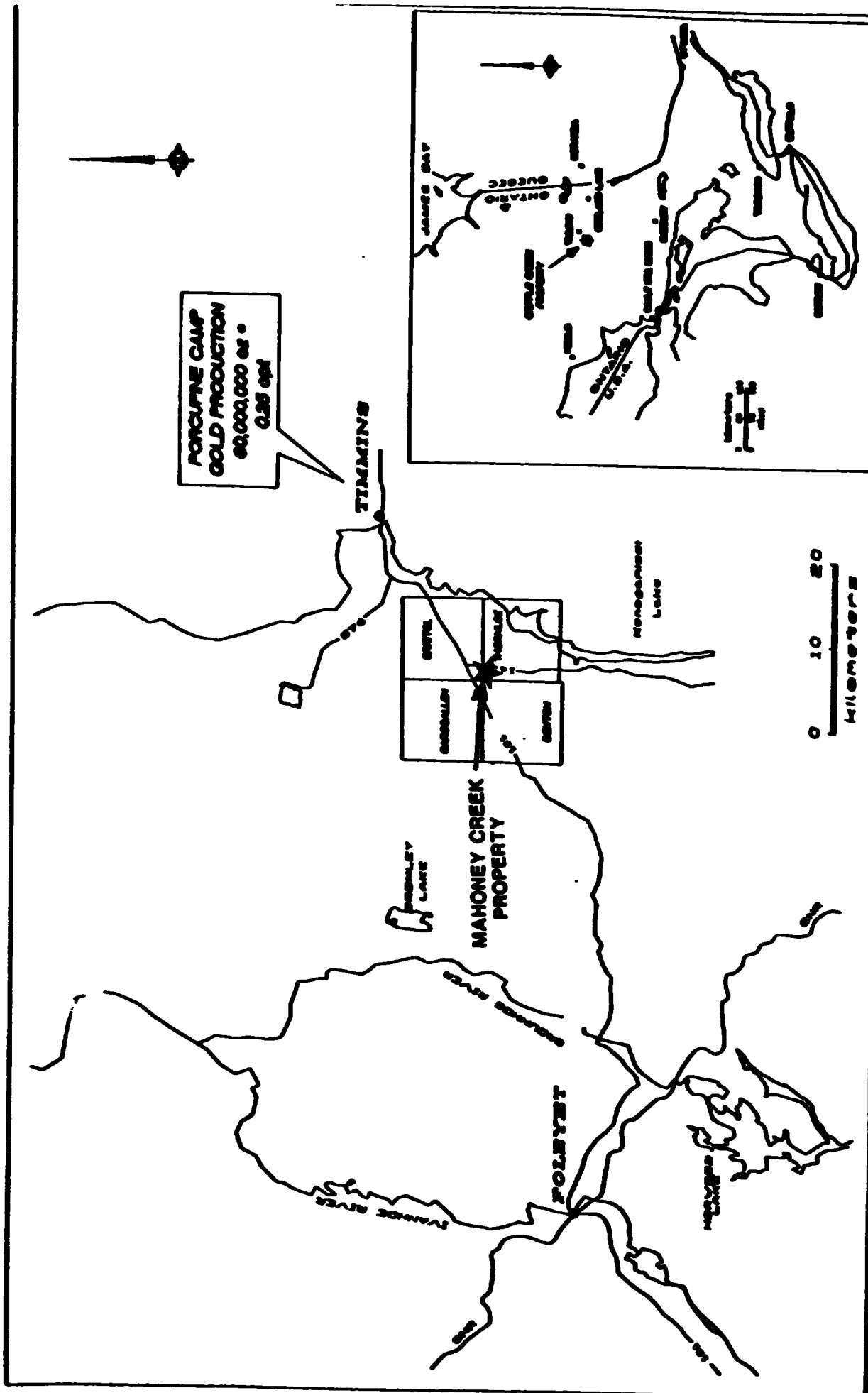
Attachments

- Pocket 1 Pseudosections 1:2500**
- Compilation Map 1:10,000**

1.0 **SUMMARY**

A small 6.0 kilometer IP re-survey was completed on the Band Ore option ground in areas of complexity or inconclusive results based on the 1994 survey work. To complete the survey the depole spacing was reduced to 25m from 50m and the type of survey was changed from pole-dipole to dipole-dipole.

A better resolution of anomalies was accomplished in the eastern survey area but the data collected in the western portion failed to resolve the causative source.



PROJECT MAHONEY CREEK PROPERTY NO. 507

HEMLO GOLD MINES INC.

NORTH EAST ONTARIO DISTRICT

NORANDA EXPLORATION CO. LTD.

Figure 1

2.0 INTRODUCTION

The Band Ore option is a large group of claims approximately 20 kilometers west of the City of Timmins. During 1994 the group was surveyed by linecutting, magnetometer and Induced Polarization surveys. Geological surveying was also completed over the entire group. On the Western portion of the group the IP survey produced variable results with some lines giving what were thought to be cultural or overburden anomalies. In the eastern portion of the group, large, somewhat complicated chargeability/resistivity anomalies were found. In an attempt to verify or smooth these anomalies a second survey using a dipole-dipole spacing of $a=25m$ was completed and is the subject of this report.

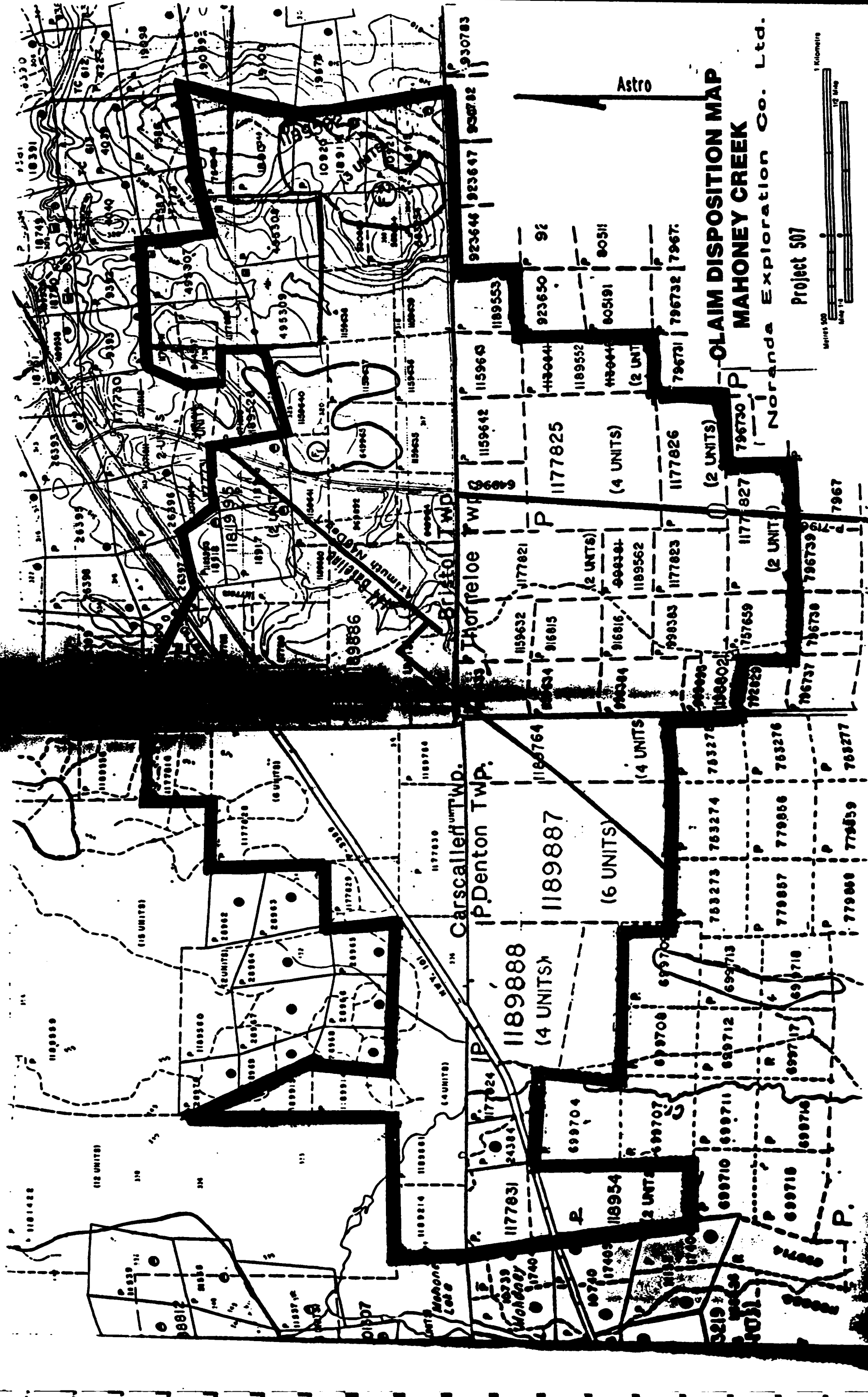
3.0 LOCATION AND ACCESS

The Mahoney Creek project is located approximately 25km west of Timmins at the junction of Highways 101 and 144. Access is good because several grid lines traverse both highways and limited ATV roads abide on the property.

4.0 CLAIM DISPOSITION

The Mahoney Creek property consists of 68 adjoining claims (105 units). The claims are listed below

Carscallen Township 1189914, 1189915, 1189214, 1189861 (4 units), 1177829, 1177828 (6 units), 1177814, 1177830 (2 units), 1189764.



**CLAIM DISPOSITION MAP
MAHONEY CREEK**

Noranda Exploration Co. Ltd.
Project 507

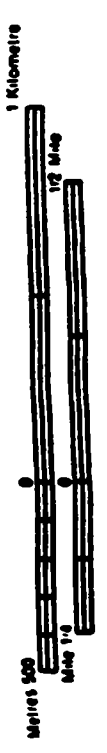


FIGURE 2

Denton Township 1177831, 1177824, 1189544 (2 units), 1189888 (4 units), 1189887 (6 units), 1189764 (4 units).

Bristol Township 1198804, 1177807, 1198803, 1177808, 1177811, 1181410, 1189593, 1177809, 1181413, 1189580, 1159641, 1159640, 1176341, 1201162, 1177822, 495307, 495309, 495308, 764945, 1181409, 649964 649965, 1159637, 1159638, 530884, 1159635, 1159636, 1159639, 583234, 1181995, (2 units), 1189886 (6 units), 1189592 (3 units), 1189528.

Thorneloe Township 1159633, 1159632, 1159634, 916815, 916816, 998384, 998383, 1189562, 1177823, 1198802, 757659, 649963, 1159642, 1159643, 1189553, 1177821 (2 units), 1177825 (4 units), 1177826 (2 units), 1177827 (2 units), 1189552 (2 units).

5.0 **WORK HISTORY**

Mentioning twelve assessment files surveying on and near project 507.

T-542	Rusk Porcupine Mines Ltd.	1941-57
T-556	Hollinger Cons. Gold Mines Ltd.	1958-60
T-620	Sylvanite Gold Mines Ltd.	1940
T-770	See Hollinger 556	
T-1532	Mill Hill Mines Ltd.	1973
T-1647	Thomas Herbert	1975
T-1941	Texas Gulf Canada Ltd.	1979-85
T-2378	Preussag Canada Ltd.	1981
T-2645	Noranda Exploration Co. Ltd.	1984
T-2738	Gowest Amalgamated Resources Ltd.	1984-94
T-2913	Mintek Resources Ltd.	1989
	Noranda Exploration	1994

File T-1941 applying geophysical and geological mapping, along with overburden drill holes is most helpful.

File T-556 Hollinger Cons. Gold Mines Ltd. tested an HEM conductor (DDH C-10 and C-11) intersecting pyrite bands in both diamond drill holes put down. Diamond drill holes C-10 and C-11 now situated on claim 1177828 (NW 1/4). DDH M-5, in 1961, now located on claim 1177829 intersected graphite. Another DDH M-6 situated on claim 1189887 tested a magnetic high. The hole logged as "very fine grained serpentinite containing fine tetrahedrons of magnetite and locally pyritic".

6.0 REGIONAL GEOLOGY

The Mahoney Creek area regional geology consists of a base of Keewatin basalts and andesites which are overlain by rhyolitic and pyroclastic volcanic rocks. The latter contain variable amounts of iron formation and intrusive peridotite-pyroxenite ultrabasic sills.

Overlying the volcanic rocks are a thick sequence of Timiskaming type sediments, largely greywacke with lesser argillite.

To the south and west, a batholithic granite intrusion borders the claim group.

Invading the rock sequence are narrow diabase dykes intruding post depositional fractures, having a NS preferential direction, also interpreted running NE. Another set of separate diabase dykes run NW and may be present on the property.

Ancient folding and extensive shearing complicate the rock sequence.

7.0 INDUCED POLARIZATION

A total of 6.0 kilometers of IP was completed in May 1995 on six lines, two in the western end of the property and four in the east.

⁶
L5725E - The cultural or overburden anomaly which was found by the previous survey was relocated by the new survey at 7625N where the chargeability on N=1 exceeds 8 times background (19mv/v), unfortunately the anomaly is broken again and re-appears at 7600N on N=5, 6 with chargeabilities to 40mv/v. These anomalies are probably a function of conductive overburden since no cultural features were found, but the resistivity complicated the issue because it shows a continuous broad resistivity increase.

L5875E - The results on this line show a possible chargeability anomaly at 7650N which is asymmetrical with values only twice background. The resistivity anomaly has shifted 100m north and may represent a contact as does the change on line 5625E. A second resistivity anomaly occurs at 7900N without a chargeability anomaly.

In the eastern portion of the surveyed area the resistivity in general, is significantly increased on the lines surveyed with background values increasing on average to the 1000 ohm/meter range. Numerous values or zones in the 13K to as high as 72K ohm/meter occur associated with the chargeability anomalies.

L8375N - The more significant increase in resistivity occurs in the north end of this line where apparent resistivity reaches a maximum value of 20K ohm/meter, associated with a chargeability anomaly at 6350N. This chargeability anomaly probably represents a narrow and/or shallow causative source.

L8625E - As stated above, the resistivity background values are higher, associated at 6250N with an asymmetrical chargeability anomaly again representing a probable narrow and/or shallow source. A second chargeability anomaly occurs at or north of 6500N where only one side of the "pant-leg" has been located.

L8875E - The chargeability anomalies on this line are somewhat complicated with probable interference of two closely spaced sources at 6200N and 6350N. These anomalies are associated with extremely high resistivities and may represent quartz veined areas with sulfide mineralization.

L9125E - As was the case on-line 8875E the chargeability anomalies on this are complex due to multiple sources causing interference with each other. Chargeability anomalies can be recognized at 6070N, 6110N, 6205N and 6320N again associated with very high resistivity anomalies. These anomalies are probably due to quartz veined areas with sulfide mineralization.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The IP survey conducted over selected lines on the Band-Ore option ground has been successful, in the eastern portion, in better defining the narrow multiple sources, and was unsuccessful in determining the causative source of the anomaly in the western portion of the property.

It is recommended that humus sampling be conducted in the eastern area as well as detailed mapping/trenching to locate the causative sources of the anomalies. In the western area no outcrops exist and overburden is expected to be deep. Diamond drilling would be the only way to determine the cause of the anomaly and from the information presently available the anomaly is not worthy of further investigation.

Respectfully submitted

HEMLO GOLD MINES INC.



Robert Calhoun
Senior Geologist



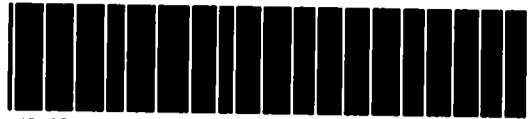
Report of Work Conducted After Recording Claim

Transaction Number
W9560.00285

Ontario

Mining Act

Personal information collected on this form is obtained under the authority of the Mining Act. This collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Sudbury, Ontario, P3E 6A5, telephone (705) 870-7284.



42A05NE0084 2.16128 BRISTOL

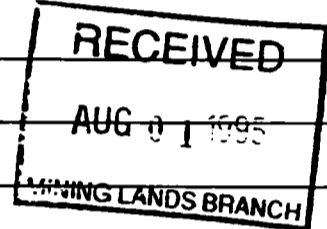
900

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

Recorded Holder(s) Hemlo Gold Mines Inc.		Client No. 143550
Address Po Box 1205, 60 Shirley St. South, Timmins, Ont. P4N 7J5		Telephone No. (705) 268-9600
Mining Division Porcupine	Township/Area Bristol/Denton	M or G Plan No. G-3990/G3224
Dates Work Performed From: May 19, 1995		To: June 2, 1995

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	IP
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	



Total Assessment Work Claimed on the Attached Statement of Costs \$ **4620.00**

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

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

Name	Address
MC Exploration Services Inc.	Po Box 362, Porcupine, Ont. P0N 1C0
Robert Colhoun (Author)	90 Po Box 1205, 60 Shirley St. South, Timmins, Ont. P4N 7J5

(attach a schedule if necessary)

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

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date June 7, 1995	Recorded Holder or Agent (Signature)
--	-----------------------------	--

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Robert Colhoun 90 Po Box 1205, 60 Shirley St. South, Timmins, Ont. P4N 7J5		
Telephone No. (705) 268-9600	Date June 8/95	Certified By (Signature)

For Office Use Only

Total Value Cr. Recorded \$4620.	Date Recorded Sept 6/95	Mining Recorder T. Birkley	Received Stamp JUN 8 1995 345
	Deemed Approval Date	Date Approved	
	Date Notice for Amendments Sent		

Statement of Costs
for Assessment Credit

État des coûts aux fins
du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W9560.00285

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

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

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type IP	4620.00	
			4620.00
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs		4620.00	

2. Indirect Costs/Coûts indirects

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

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			4620.00
Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			4620.00

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

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

Filing Discounts

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

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

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

Valeur totale du crédit d'évaluation	Evaluation totale demandée
	x 0.50 =

Certification Verifying Statement of Costs

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

that as Lands Manager I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

JUN 8 1995

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

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

à faire cette attestation.

Signature _____ Date June 7, 1995

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Geoscience Approvals Section
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

August 02, 1995

Our File: 2.16128
Transaction #: W9560.00285

Mining Recorder
Ministry of Northern Development & Mines
60 Wilson Avenue, 1st Floor
Timmins, Ontario
P4N 2S7

Dear Mr. White:

**Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS
649965 et al. IN BRISTOL & DENTON TOWNSHIPS**

Assessment credits have been approved as outlined on the report of work form. The credits have been approved under Section 14 (Geophysical) of the Mining Act Regulations.

The approval date is August 02, 1995.

If you have any questions regarding this correspondence, please contact Steven Beneteau at (705) 670-5858.

Yours sincerely,



Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

SBB
SBB/sb

cc: Resident Geologist
Timmins, Ontario

✓ Assessment Files Library
Sudbury, Ontario

REFERENCE

AREAS WITHDRAWN FROM DISPOSITION

- M R O - MINING RIGHTS ONLY
- S R O - SURFACE RIGHTS ONLY
- M + S - MINING AND SURFACE RIGHT

Description	Order No	Date	Disposition	File
(R1) SEC 43/70		FEB 3/86	M + S	171906
(R2) DANA AND JOWSEY PARK H.S. SRVY			M R O	
400 16/80 WNB/83		NOV 16/83	M R O	
(R4) RESERVED FOR PUBLIC USE			S R O	
(R5) SURFACE RIGHTS ONLY WITHDRAWN FROM STAKING ORDER NO. NW 94/84 DATED 84 JULY 04 (WASTE DISPOSAL SITE)				

SAND AND GRAVEL

(G1) M.T.C.	PIT 1417	FILE 126551
(G2) M.T.C.	PIT 1236	FILE 126551
(G3) M.T.C.	PIT 1470	
(G4) M.T.C.	PIT 1331	

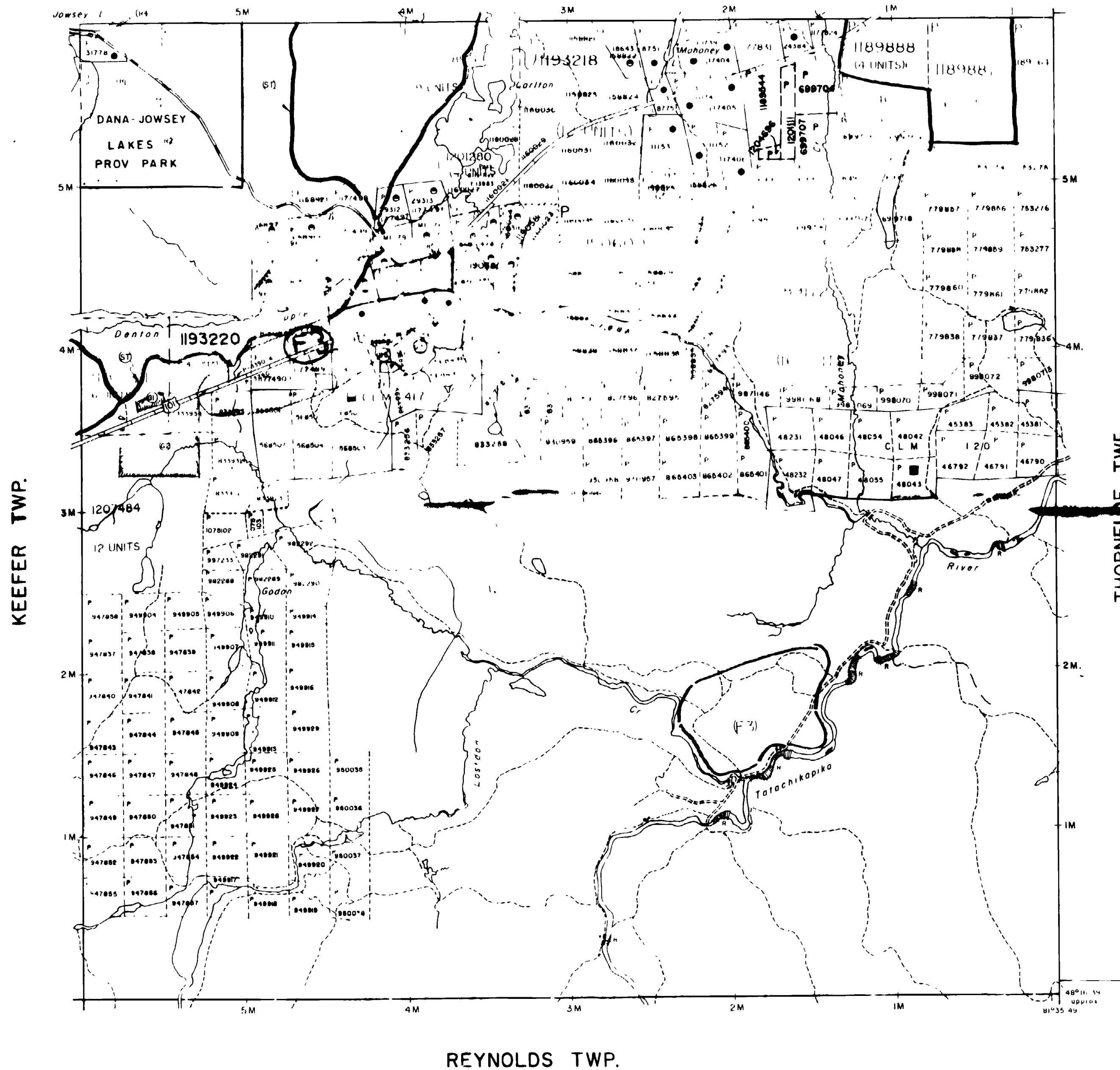
(E1) APPLICATION PENDING UNDER THE PUBLIC LANDS ACT NOTICE RECEIVED 92-DEC-21 SNOWMOBILE TRAILS

(E2) THIS TWP SUBJECT RIGHTS TO FOREST ACTIVITY IN 1994-95 FURTHER INFORMATION AVAILABLE ON FILE

(E3) THIS TWP SUBJECT TO FOREST ACTIVITY IN 1995-96 FURTHER INFORMATION AVAILABLE ON FILE

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER MINISTRY OF NORTHERN DEVELOPMENT AND MINES FOR ADDITIONAL INFORMATION

CARSCALLEN TWP.



LEGEND

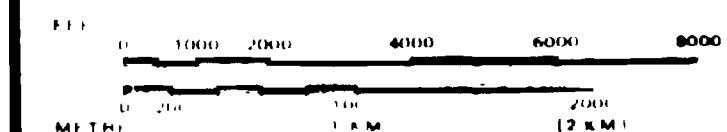
HIGHWAY AND ROUTE No.	
OTHER ROAD	
TRAIL	
SURVEYED LINE	
TOWNSHIP BASE LINES ETC	
LOT, MINING CLAIMS PARCELS ETC	
UNSURVEYED LINE	
LOT LINE	
PARCEL BOUNDARY	
MINING CLAIMS ETC	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRAVERSE MONUMENT	

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	
ORDER IN OCCUPATION	OC
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970 CHAP. 380 SEC. 63 SUBSEC. 1

SCALE 1 INCH = 40 CHAINS



TOWNSHIP

DENTON

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS

MINING DIVISION 2.16128

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE



Ministry of Land
Natural Resources Management
Branch

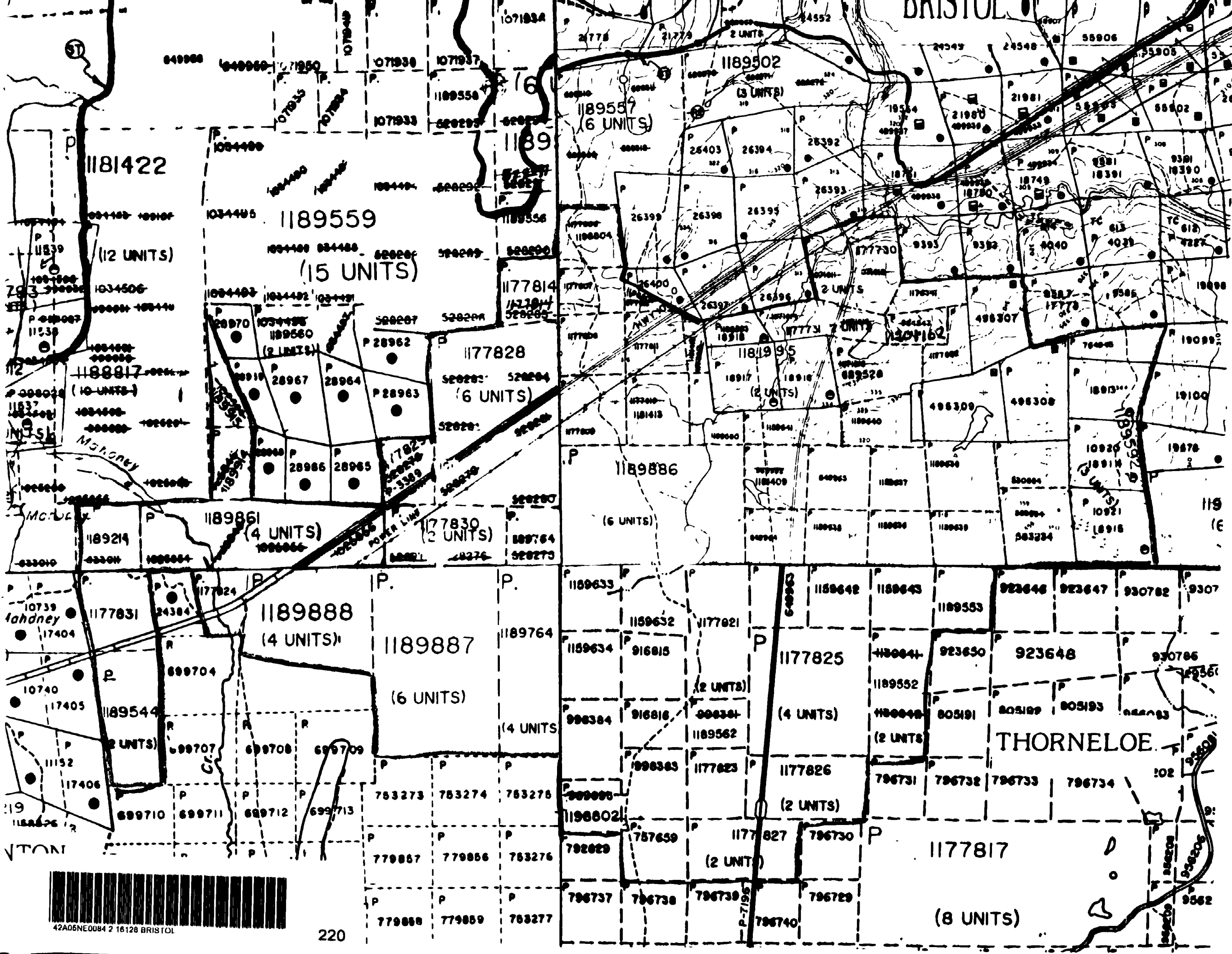
Date: MARCH, 1984
ACTIVATED: AUGUST 1, 1992
BY: D

Number: G-3224



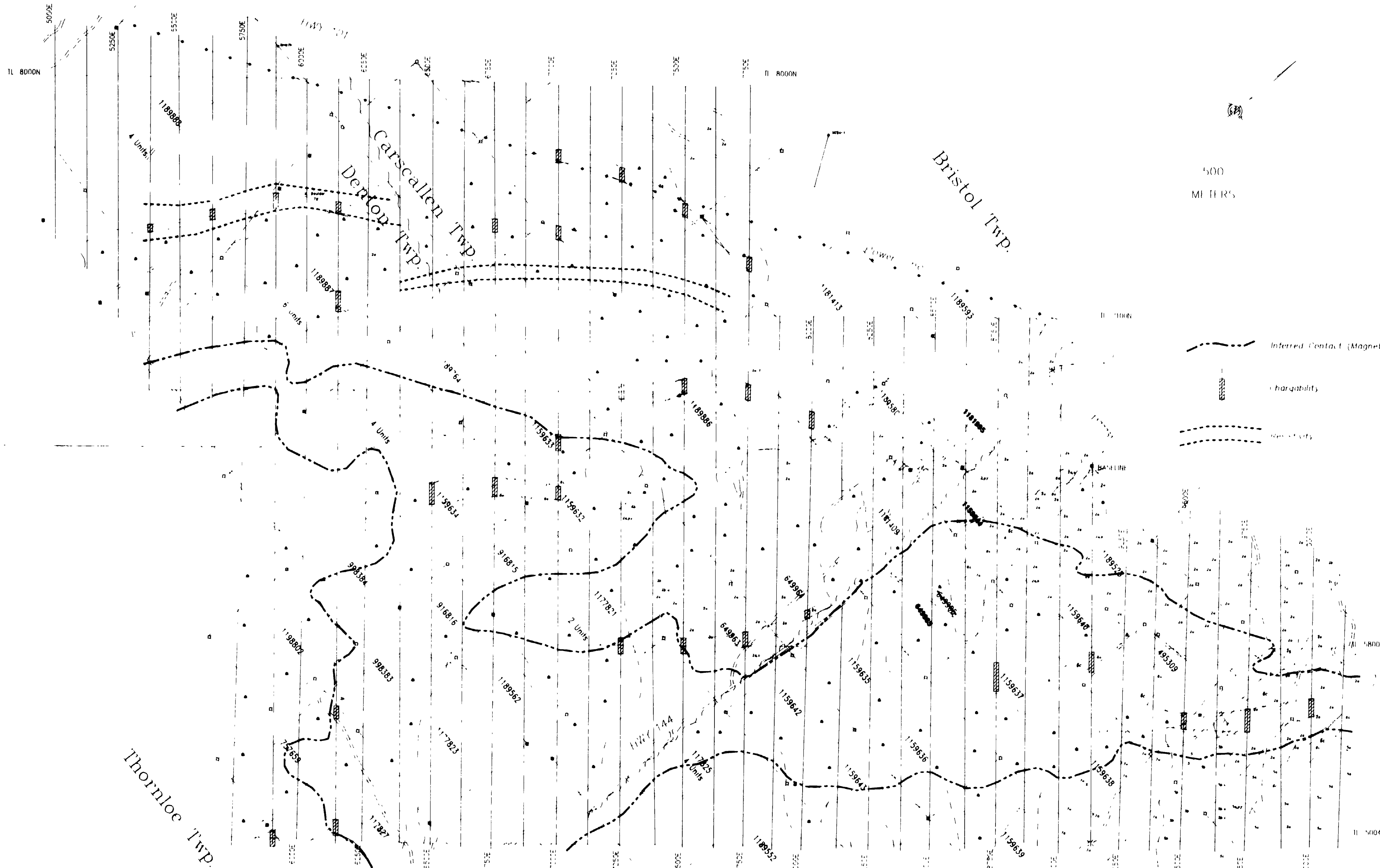
BRISTOL

2. 161



- WORK DONE ON
- WORK RECORDED
- OUTLINE OF CONTIGUOUS CLAIM GROUP





- LEGEND**
- [1] Felsic to Intermediate Plutonic Rocks
 - [1] Unmodified
 - [2] Granodiorite, porphyritic granodiorite
 - [3] Granite, quartz monzonite
 - [4] Diorite, quartz diorite
 - [5] Quartzite
 - [6] Gneiss
 - [7] Schist
 - [8] Amphibolite
 - [2] Meta- to Ultrameta- Intrusive Rocks
 - [1] Unmodified
 - [2] Gabbro
 - [3] Diorite
 - [4] Diabase
 - [5] Peridotite
 - [6] Lamprophyre (Apatite?)
 - [3] Tuffaceous Sediments
 - [1] Unmodified
 - [2] Argillite
 - [3] Gypsiferous
 - [4] Quartzite
 - [5] Arkose
 - [6] Conglomerate
 - [7] Graphitic Sediments
 - [4] Chemical Sediments
 - [1] Unmodified
 - [2] Oxide Facies Iron Formation
 - [3] Sulfide Facies Iron Formation
 - [4] Carbonate Facies Iron Formation
 - [5] Other
 - [5] Felsic to Intermediate Volcanics
 - [1] Unmodified
 - [2] Basalt
 - [3] Andesite
 - [4] Flow Breccia
 - [5] Tuff
 - [6] Lapilli Tuff
 - [7] Agglomerate
 - [8] Breccia
 - [9] Volcaniclastic
 - [6] Meta- Volcanics
 - [1] Unmodified
 - [2] Basalt
 - [3] Andesite
 - [4] Flow Breccia
 - [7] Metasediments
 - [1] Unmodified
 - [2] Basalt
 - [3] Flow Breccia

Miningology

vc	vein gold	py	pyrite
sp	chalcopyrite	po	pyrrhotite
ap	sphalerite	as	arsenopyrite
au	gold	pn	pentlandite
ag	silver	pe	galena
ni	nickel	sb	sulfosalt
ir	iron	tc	telluride
ml	magnetite	ml	millersite
mgn	magnetite	ul	ultramylonite
mn	malachite	ca	carbonatization
st	stibnite	al	alteration
gv	vanadinite	sp	spinelization
cr	carbonate veining	an	ankerite
qtz	quartz carbonate vein	ab	albite
gcb	green carbonate	cp	calcite
gph	graphite	mp	malachite
gr	fine grained	gr	graphite
mg	medium grained	ul	ulmiferite
lv	coarse grained	do	doanite
lc	locally	hn	hematite
ls	locally	ls	laurionite
m	monazite	qtz	quartz
st	stibnite	low	low
cr	chromite	am	amphibole
mag	magnetite	br	breccia
ak	kaolinite	ct	contact
uk	ultramylonite	f	fault
pa	perovskite	fl	flow
fat	iron thalite	fl	foliated
mgf	magnesian thalite	g	gneiss
la	laurionite	hy	hydrothermal
tr	transmission	ms	massive
t	thalite	ms	massive
		z	zone
		sch	schist
		st	stibnite
		g	gold

2. 16128

HEMLO GOLD

Mahoney Creek Property

COMPILATION MAP

Prepared by: R.C. Date: 11/27/94

Drawn by: L. Waddell Project number: 42 A B

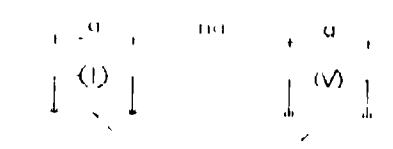
Scale: Date: 11/27/94



L- 5625E

2.16128

Dipole-Dipole Array



a = 25M

Plot from

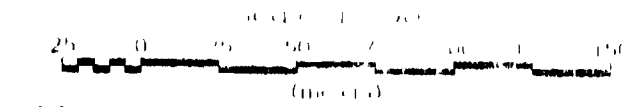
Cont. Intervals
Resistivity : 10 ohm/m
Chargeability : 1.0 mV/V
Metal Content : 1%

INSTRUMENTS

Ancortex TDR6, Time Domain Receiver
1760msec Total Integration time, 80msec Delay.
MT = (80+80+80+80+160+160+160+320+320+320) m
Scintrex ISQ-3 Transmitter
8Second Total Duty Cycle, 2Sec. On/Off Time.

INTERPRETATION

- Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
Good Chargeability mV/V, IP effect
High Apparent Resistivity, rho



HEMLO GOLD INC

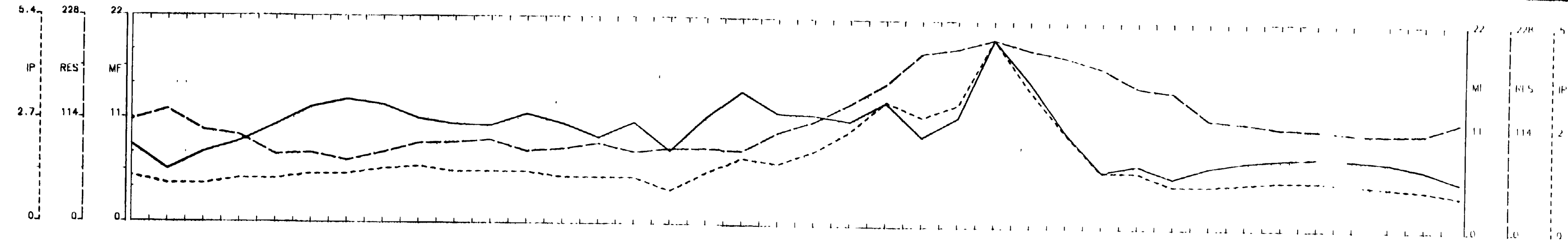
Induced Polarization Survey

PROJECT 507

N 5 42' A / SW

Porcupine Mining Division

Exploration Services Inc. MAY 1992



Topo

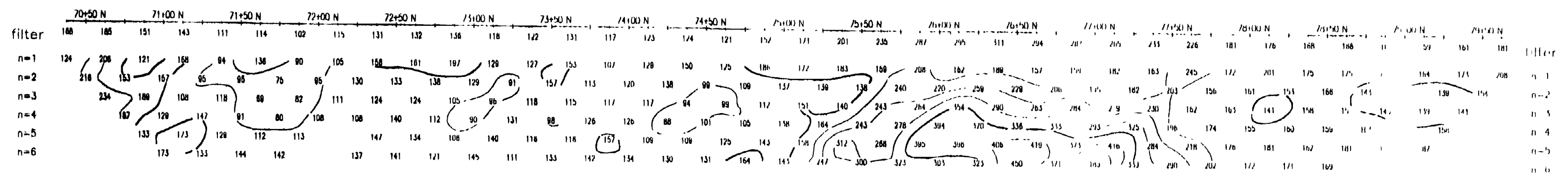
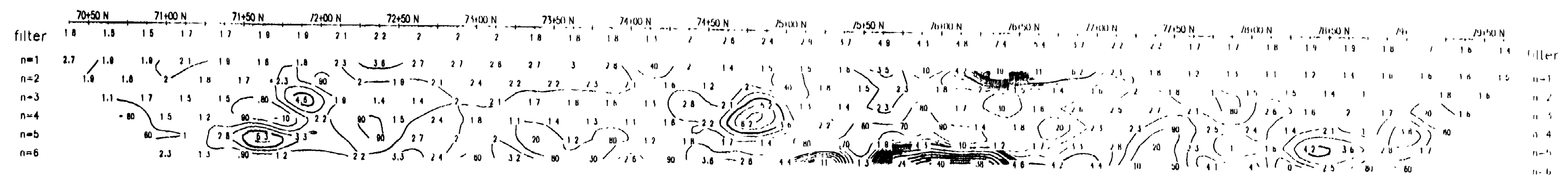
Interpretation

Chargeability
mV/V

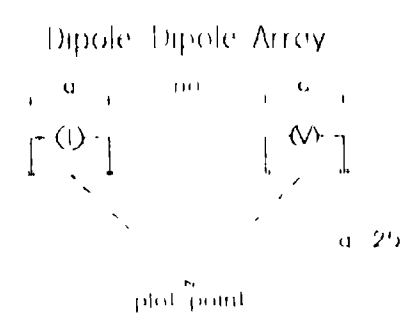
240

Interpretation

Resistivity
m/meters



L- 5875E
2. 16128



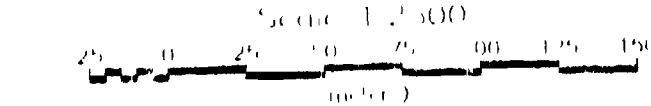
Filter
 + n1
 ++ n2
 +++ n3
 ++++ n4

Cont. Intervals Profiles
 Resistivity : 50 ohm/meter
 Chargeability : 1.0 mv/v
 Metal Factor :

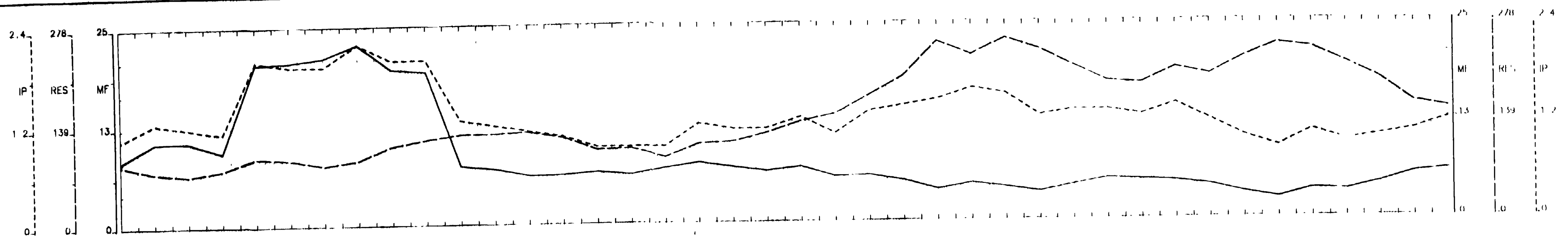
INSTRUCTIONS
 Andon 10.36, Time Domain Receiver
 1760mSec. Integration Time, 80mS Delay.
 MT= (80+80+80+80+160+160+160+320+320) mSec
 Sunrex 150.5 Transmitter
 8Second Total Duty Cycle, 25Sec On/Off Time.

INTERPRETATION

- [] Low Effect
 Poorly Chargeable, mv/v, IP effect
 Low Apparent Resistivity, rho
- [] Moderately Low Effect
- [] Moderately High Effect
- [] High Effect
 Good Chargeability, mv/v, IP effect
 High Apparent Resistivity, rho

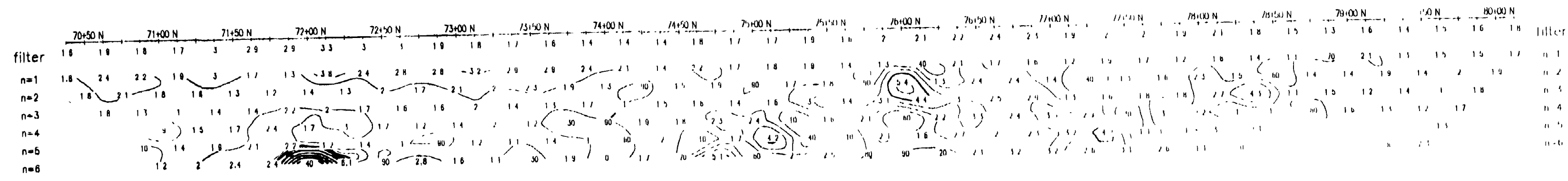


HEMLO GOLD INC
 Induced Polarization Survey
 PROJECT 507
 NIS 42 A / SW
 Porcupine Mining Division
 MAY 1993



Topo

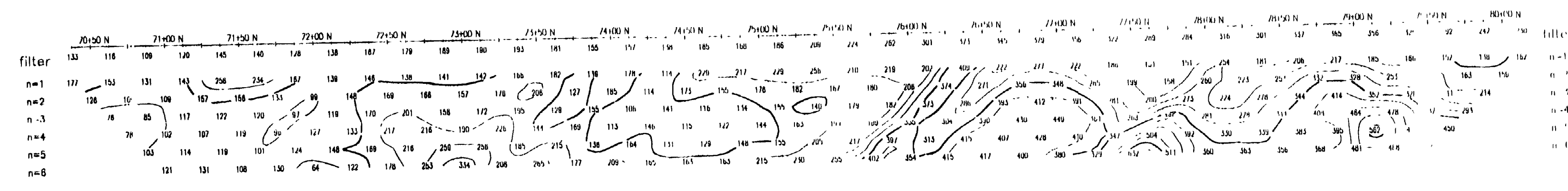
Interpretation



filter
 n=1
 n=2
 n=3
 n=4
 n=5
 n=6

Chargeability
 mv/v

250



filter
 n=1
 n=2
 n=3
 n=4
 n=5
 n=6

Resistivity
 ohm/meters

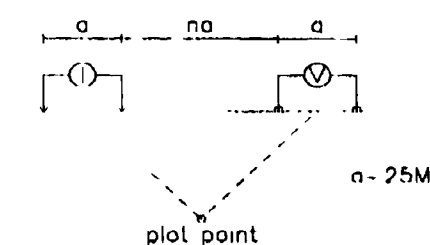
Interpretation

42AUSNE004 2.16128 BRISTOL

L- 8375E

2.16128

Dipole-Dipole Array



Filter

- * n1
- ** n2
- *** n3
- **** n4

Cont. Intervals

Resistivity ; 500 ohm/meter
 Chargeability ; 1.0 mV/V
 Metal Factor ; 1 %

Profiles

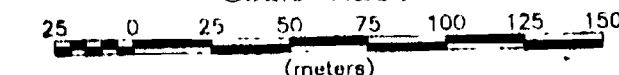
INSTRUMENTS

Androtex TDR6, Time Domain Receiver
 1760mSec Total Intergration Time, 80mS Delay.
 MT= (80+80+80+80+160+160+160+320+320+320) mSec
 Scintrex TSQ-3 Transmitter
 8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
Good Chargeability mV/V, IP effect
High Apparent Resistivity, rho

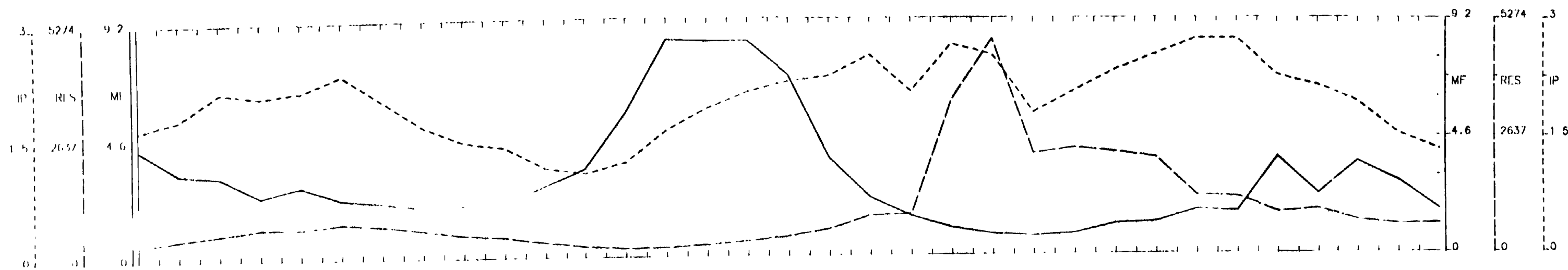
Scale 1:2500



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Topo

Topo

Interpretation

Interpretation

Chargeability mV/V

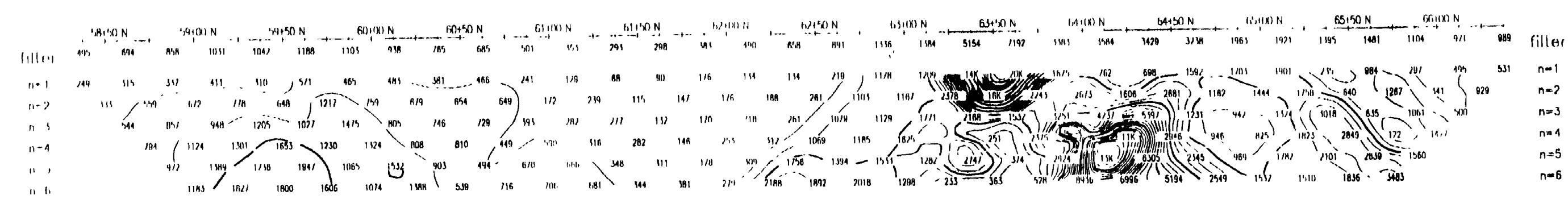
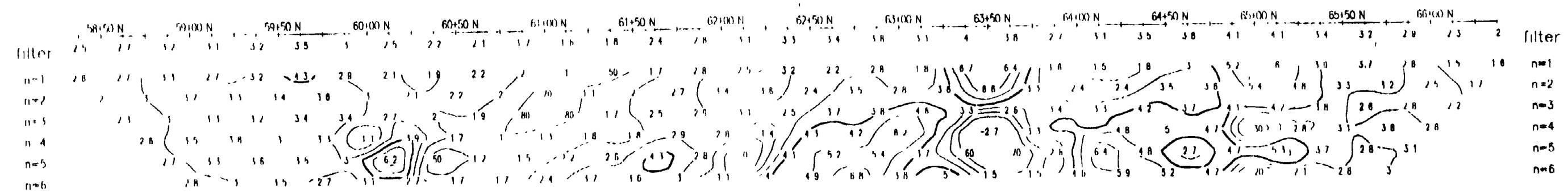
Chargeability mV/V

Interpretation

Interpretation

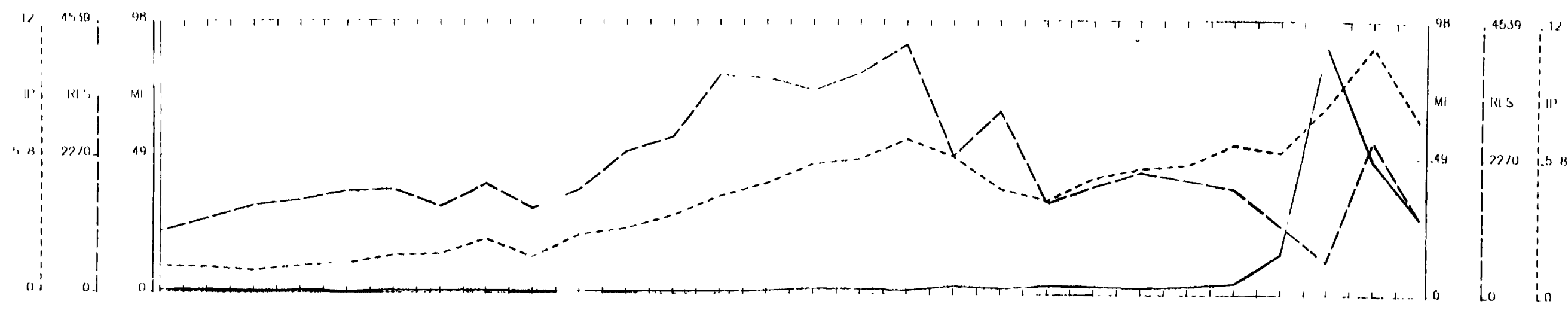
Resistivity ohm/meter

Resistivity ohm/meters



260

42A5NE0042 16128 BRISTOL

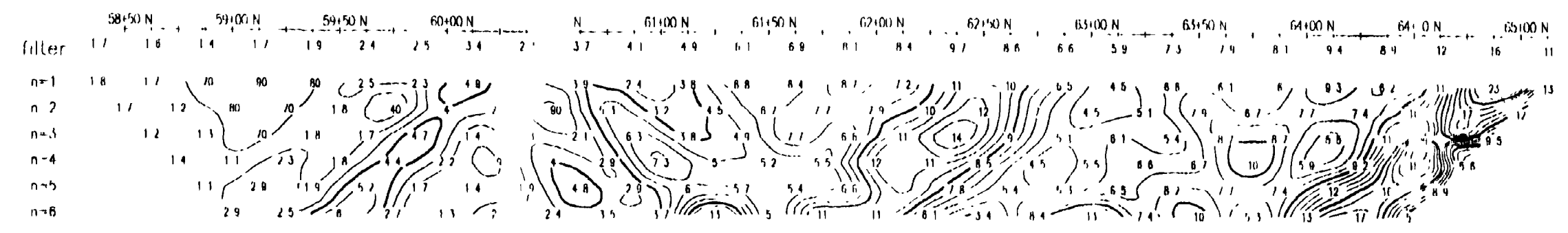


Topo

Topo

Interpretation

Interpretation

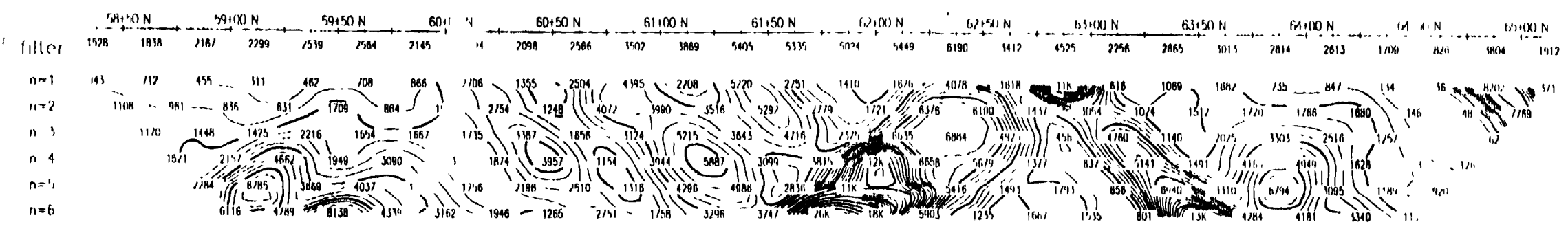


Chargeability
mV/V

Chargeability
mV/V

Interpretation

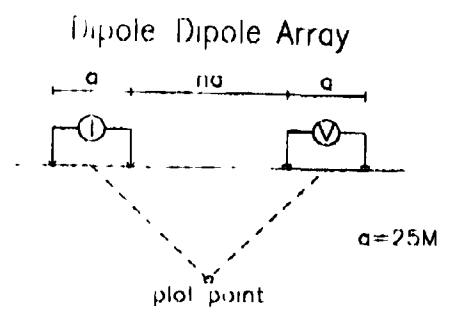
Interpretation



Resistivity
ohm/meters

Resistivity
ohm/meters

L- E 25E
2.16128



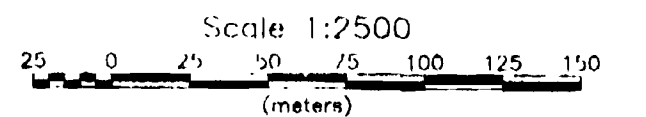
- Filter
- * n1
 - ** n2
 - *** n3
 - **** n4

Cont. Intervals Profiles
 Resistivity ; 500 ohm/meter
 Chargeability ; 1.0 mV/
 Metal Factor ; 1 %

INSTRUMENTS
 Androtex TDR6, Time Domain Receiver
 1760mSec Total Integration, 80mS Delay.
 MT = (80+80+80+80+160+160+160+320+320+320) mSec
 Scintrex TSQ-3 Transmitter
 8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
Good Chargeability mV/V, IP effect
High Apparent Resistivity, rho



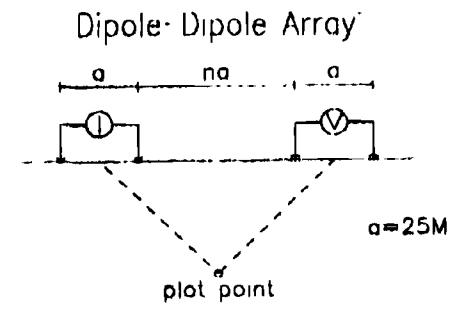
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Porcupine Mining Division
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L- 8875E
2. 16128



Filler
 * n1
 ** n2
 *** n3
 **** n4

Topo

Interpretation

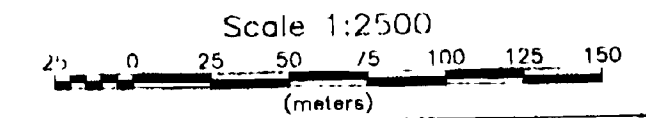
Int. Intervals Profiles
 Resistivity ; 500 ohm/meter
 Chargeability ; 1.0 mV/V
 Metal Factor ; 1 %

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
 1760mSec Total Intergration Time, 80mS Delay.
 MT= (80+80+80+80+160+160+160+320+320+320) mSec
 Scintrex TSQ-3 Transmitter
 8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
 Poorly Chargeable mV/V, IP effect
 Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
 Good Chargeability mV/V, IP effect
 High Apparent Resistivity, rho



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Topo

Interpretation

Chargeability
 mV/V

Interpretation

filter

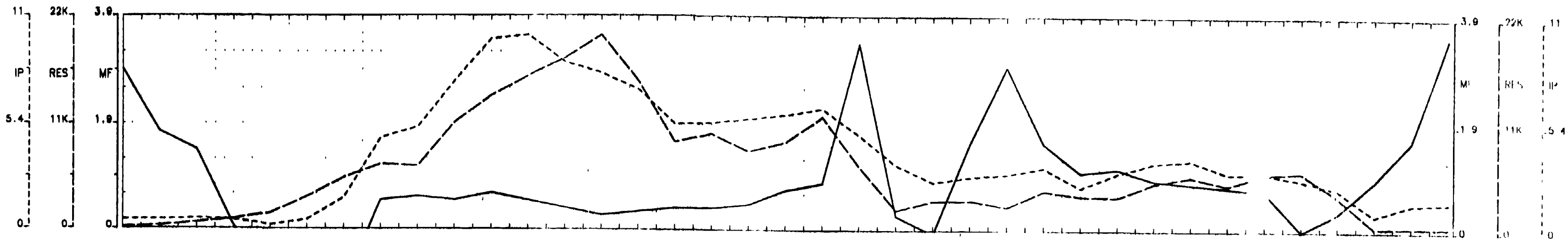
Chargeability
 mV/V

filter

Resistivity
 ohm/meters

280

42AUSMENA 2 16128 BRISTOL



Topo

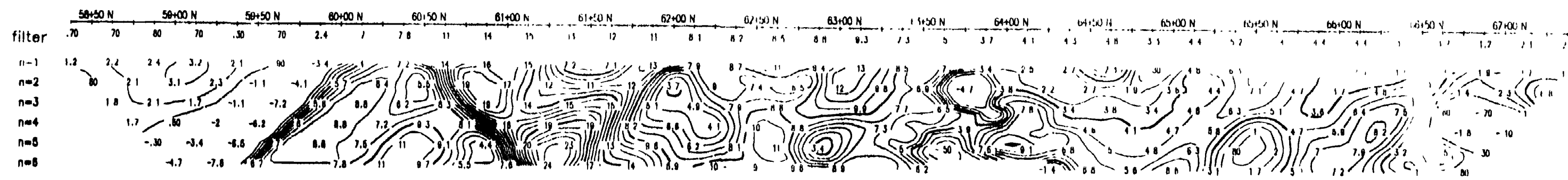
Topo

Interpretation

Interpretation

Chargeability
mV/V

Chargeability
mV/V

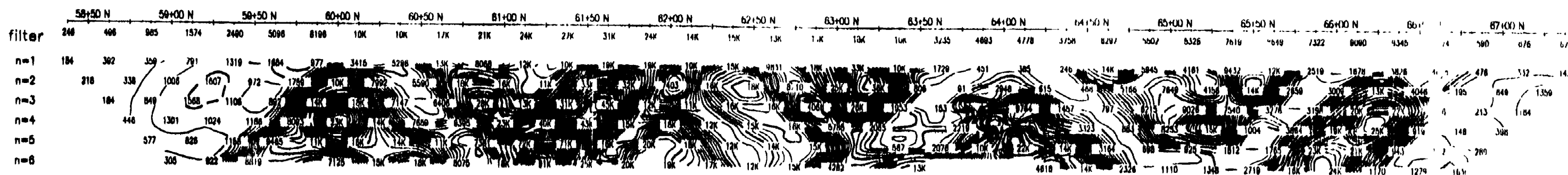


Interpretation

Interpretation

Resistivity
ohm/meters

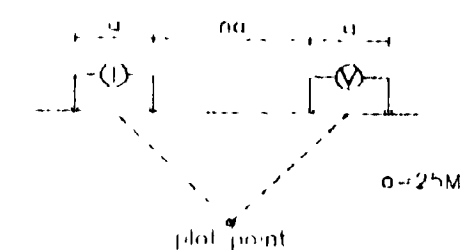
Resistivity
ohm/meters



L- 9125E

2.16128

Dipole-Dipole Array



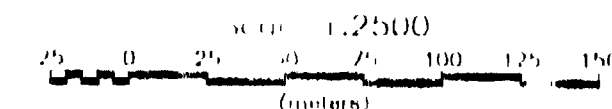
filter
+ n1
+ + n2
+ + + n3
+ + + + n4

Cont. Interval Profile
Resistivity : 500 ohm/meter
Chargeability : 1.0 mV/V
Metal Factor : 1%

INSTRUMENTS
Andrex DIB6, sine wave generator
1 sec Total Integration Time, 80% Delay.
MT = (100+80+80+80+160+160+160+320+320+320) mSec
Scintrex ISQ-3 Transmitter
8 Second Total Duty Cycle, 2 Sec On/Off Time

INTERPRETATION

- [---] Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho
- [---] Moderately Low Effect
- [---] Moderately High Effect
- [---] High Effect
Good Chargeability mV/V, IP effect
High Apparent Resistivity, rho



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