



42A05NE8456 2.8666 BRISTOL

010

ASSESSMENT REPORT
ON
INDUCED POLARIZATION
CONDUCTED ON CLAIMS

724587 - 724591

740864 - 740873

752195 - 752205

779457 - 779461

779509 - 779515

825436 - 825440

Located in the Bristol Township in the
Porcupine Mining District, Ontario.

Submitted by:
P. Diorio
November 15, 1985

RECEIVED
NOV 26 1985
MINING LANDS SECTION



42A05NE8456 2.8666 BRISTOL

010C

TABLE OF CONTENTS

	<u>Page No.</u>
I INTRODUCTION	1.
(A) Location and Access	1.
(B) Local Geology	1.
(C) Exploration History	1.
II INDUCED POLARIZATION SURVEY	5.
(A) Survey Grid	5.
(B) Survey Method and Instrumentation	5.
(C) Output	8.
III INTERPRETATION AND RECOMMENDATIONS	8.

APPENDICES

APPENDIX I	Technical Data Statement
APPENDIX II	Contoured Chargeability Plan Map and Base Map (1" = 400')
APPENDIX III	Contoured Resistivity Plan Map (1" = 400')
APPENDIX IV	Chargeability Pseudosections in Idealized Plan (Main Grid)
APPENDIX V	Resistivity Pseudosections in Idealized Plan (Main Grid)
APPENDIX VI	Chargeability and Resistivity Pseudosections (Grid B)

I INTRODUCTION

This report covers geophysical surveys carried out by UTAH MINES LTD., Suite 900, 25 Adelaide St. East, Toronto, Ontario, on two claim groups located in the Bristol Township within the Porcupine Mining District of Ontario. The property is currently under option by Utah Mines Ltd. from Mr. Rolland Poirier, sole holder to the mining rights, who resides at 561 Birch St. North, Timmins, Ontario.

Induced polarization surveys were carried out to detect disseminated sulphides hoped to be associated with economic gold mineralization.

A. Location and Access

The property consisting of two claim groups, is located approximately 12 miles southwest of the Timmins City Centre in Bristol Township (Figure 1). Easy access is afforded to the larger claim group (38 claims) via highway 101 which crosses the southwest corner of the property. The smaller group (5 claims) is in the same vicinity and may be accessed by highway 144.

B. Local Geology

The following information was obtained from Ferguson (1959). The entire "five claim group" is shown to be underlain by Kewatin andesite. The northwest half of the main claim group is mapped as Kewatin andesite with some rhyolite. The southeastern part of this claim group is mapped as greywacke and argillite intruded by quartz feldspar porphyry. All units are cut by Matachewan diabase dykes trending north and northwest.

C. Exploration History

The following drill results are compiled from Ferguson (1959). D.D.H. numbers are shown (where possible) on Figure 2.

BRISTOL PROJECT
ASSESSMENT REPORT

DRILL RESULTS

D.D.H.	HOST ROCK	# OF FEET ASSAYED	GRADE AVERAGE
1	Quartz veined graphitic slates	160	.02 to .06 oz/T Au
	porphyry with quartz stringers	60	.02 to .04 oz/T Au
2	Graphitic slate	50	.02 to .08 oz/T Au
3	Porphyry with quartz calcite-tourmaline	20	.02 to .04 oz/T Au
4	Graphitic slate	1	.01 oz/T Au
5	Graphitic tuffs	50	.02 oz/T Au
6	Porphyry with quartz and arseno needles	421-433	.02 oz/T Au
7	Slate tuffs	781-874	.02 oz/T Au
8			trace Au
9	Agglomerates & tuffs	3 separate samples from 497-723	.02 to .04 oz/T Au
	Graphitic slates with quartz carbonate stringers	73	.02 oz/T Au

No further drilling has been recorded on the property in both east and west sectors since 1945. Dome Mines optioned the Cortez ground in 1973, conducted Mag and EM survey. No significant conductors were recorded and the property was subsequently dropped.

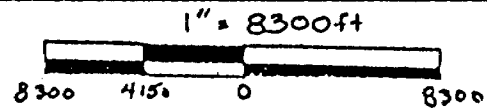


FIGURE 1

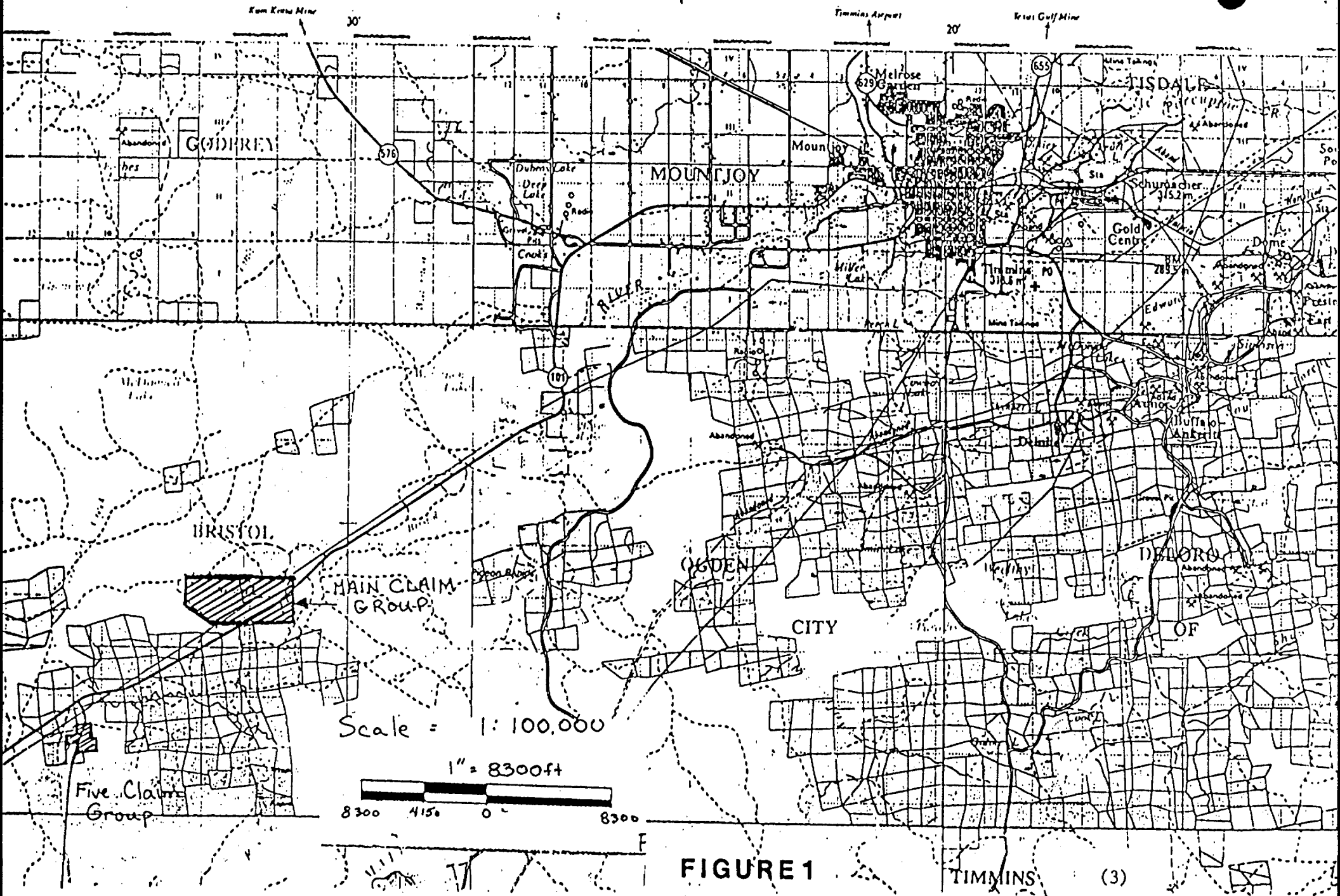
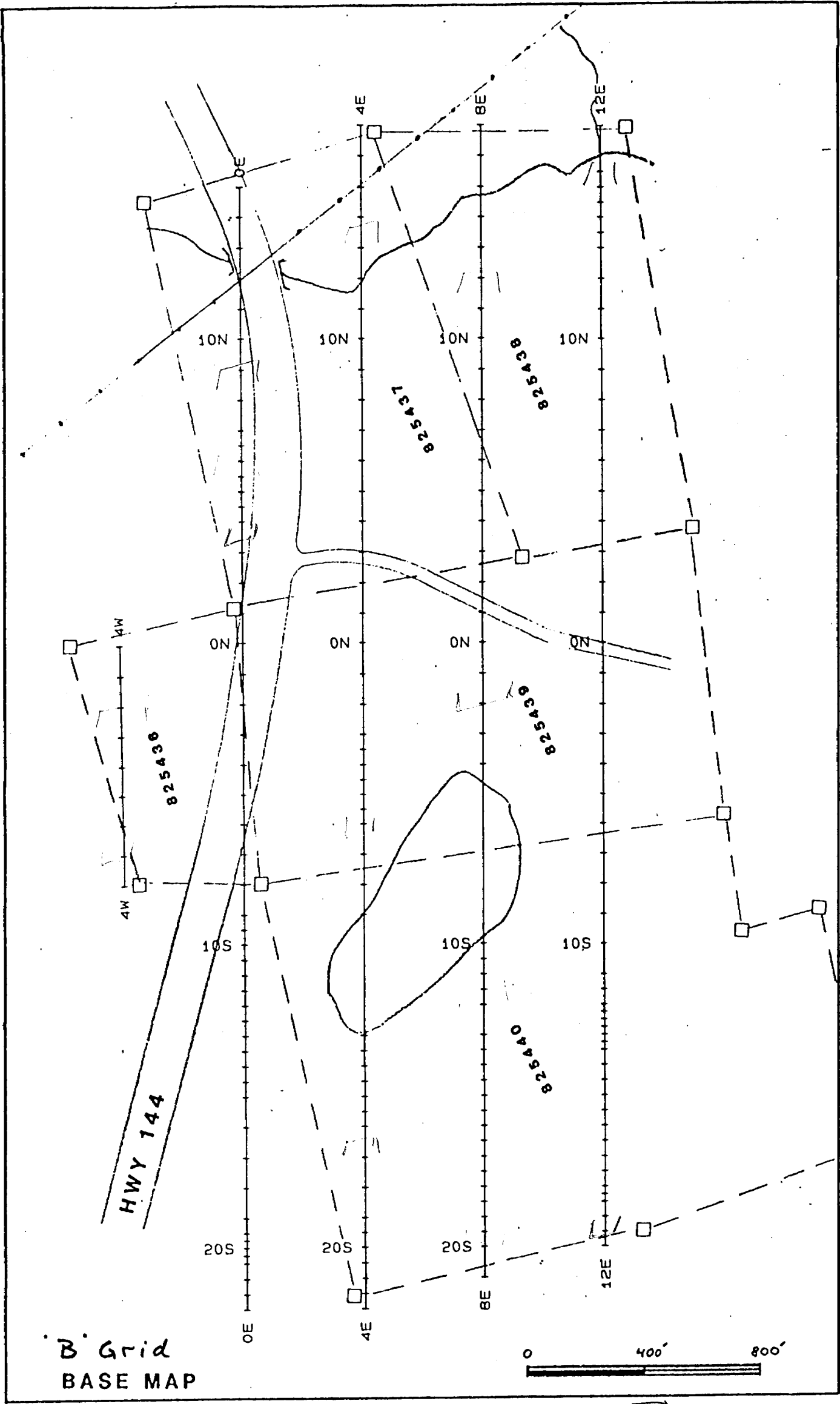


FIGURE 1



FIGURE 2

(4)



J. Blalock

II INDUCED POLARIZATION SURVEY

A. Survey Grid

Survey grids were established with east-west base lines. Traverse lines were cut at 400' intervals using conventional compass and chain techniques. Pickets were established at 100' intervals along each line and marked with the appropriate line and station designation. Control lines were cut so as to intersect the ends of all traverse lines.

A total of 38.9 miles of grid were cut on the main claim group, of which 33.1 miles were surveyed. An additional 3 miles of grid was cut and surveyed on the small claim group.

B. Survey Method and Instrumentation

This survey employed a Crone Geophysics Ltd. 250 watt time domain transmitter and a Scintrex Ltd. IPR-11 induced polarization receiver. Both were operated with a 2-second "on" and 2-second "off" cycle. The IPR-11 measures and records primary voltage and 10 chargeability slices. For the sake of convenience, the chargeability (see Table 1 and Table 2) data has been taken from the "M8" slice with a 1.050 second delay and 0.360 second integration time. The IPR-11 is capable of measuring and recording up to 6 dipoles simultaneously. During this survey, 4 dipoles (N = 1 to 4) were measured simultaneously with an "A" spacing of 200'.

The survey was performed with a 4-man crew. One man operated the transmitter and moved the single transmitter dipole. One man operated the receiver while the remaining two crew members set up the 4-receiver dipoles. Both transmitter and receiver electrodes consisted of stainless steel rods. Standard 18 gauge "IP wire" was used for all connections.

BRISTOL PROJECT
ASSESSMENT REPORT

TABLE 1. IPR-11 TIMING DATA

MODE Sec.	SLICE	DURATION ms	FROM ms	TO ms	MID-POINT ms	MODE Sec.	DURATION ms	FROM ms	TO ms	MID-POINT ms
0.2	0	3	3	6	4.5	0.2	512	384	896	640
	1	3	6	9	7.5					
	2	3	9	12	10.5					
	3	3	12	15	13.5					
	4	18	15	33	24					
	5	18	33	51	42					
	6	18	51	69	60					
	7	36	69	105	87					
	8	36	105	141	123					
9	36	141	177	159						
1.0	0	15	15	30	22.5	1.0	512	384	896	640
	1	15	30	45	37.5					
	2	15	45	60	52.5					
	3	15	60	75	67.5					
	4	90	75	165	120					
	5	90	165	255	210					
	6	90	255	345	300					
	7	180	345	525	435					
	8	180	525	705	615					
9	180	705	885	795						
2.0	0	30	30	60	45	2.0	1024	768	1792	1280
	1	30	60	90	75					
	2	30	90	120	105					
	3	30	120	150	135					
	4	180	150	330	240					
	5	180	330	510	420					
	6	180	510	690	600					
	7	360	690	1050	870					
	8	360	1050	1410	1230					
9	360	1410	1770	1590						
4.0	0	60	60	120	90	4.0	2048	1536	3584	2560
	1	60	120	180	150					
	2	60	180	240	210					
	3	60	240	300	270					
	4	360	300	660	480					
	5	360	660	1020	840					
	6	360	1020	1380	1200					
	7	720	1380	2100	1740					
	8	720	2100	2820	2460					
9	720	2880	3540	3180						

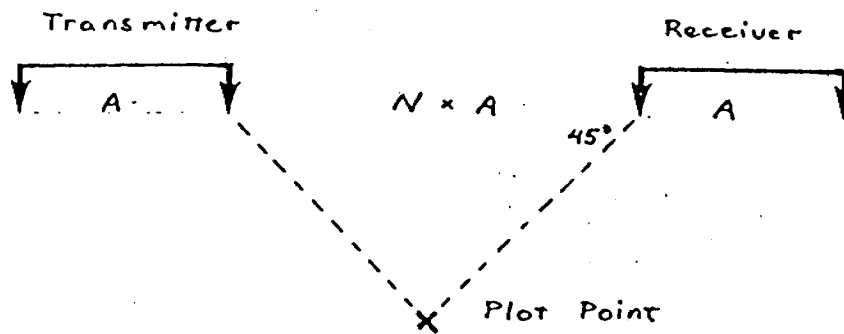


FIGURE 3: Pseudosection Plotting Convention. "A" = 200'
N = 1,2,3, and 4

BRISTOL PROJECT
ASSESSMENT REPORT

C. Output

The data are presented in two forms:

- (1) For $N = 1$ resistivity and chargeability data, simple contoured plans have been produced. Surface projection of all anomalies shown as solid bars on the chargeability maps.
- (2) Contoured pseudosections. Plotted in idealized plan format, these show all four N spacings and data values for both resistivity and chargeability. The pseudosection "plans" are not to scale, but are plotted in this manner to show all data in a concise form.

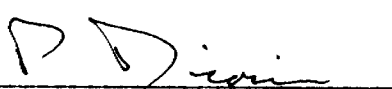
All data was acquired digitally and processed and plotted using HP-85 and HP-9848 computers.

III INTERPRETATION AND RECOMMENDATIONS

The surface projection of anomalies is shown on the chargeability plans and pseudosections. For the most part, resistivity is dominated by overburden thickness and is not a good anomaly indicator.

A number of low magnitude anomalies are noted on the accompanying maps.

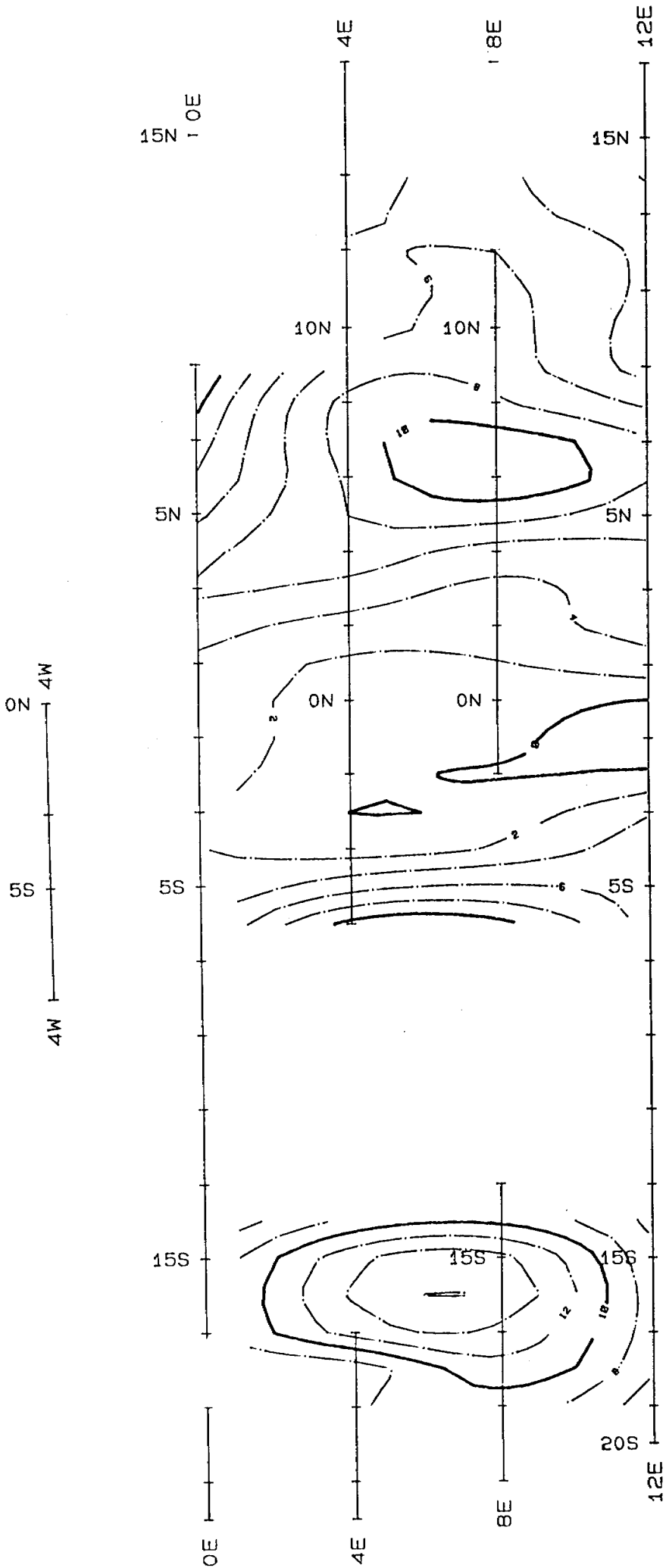
Anomaly B and in particular anomaly B4 is of interest since it coincides with anomalous gold samples taken from a quartz carbonate vein. This zone is recommended for drill testing. Anomaly C is the most attractive target strictly from the IP results, however, the absence of encouraging support from soil geochem, geologic mapping and bedrock sampling render this a lower priority target.


P. Diorio
November 15, 1985
PD/ca

BRISTOL PROJECT
ASSESSMENT REPORT

REFERENCES

Ferguson, S.A.; (1957) Geology of Bristol Township Sixty Sixth Annual Report of the Ontario Department of Mines, Vol. LXVI, Part 7, 1957.

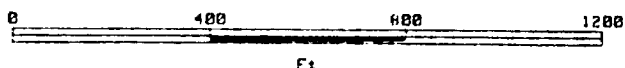


UTAH MINES LTD.
Exploration Dept.
Toronto ; CANADA

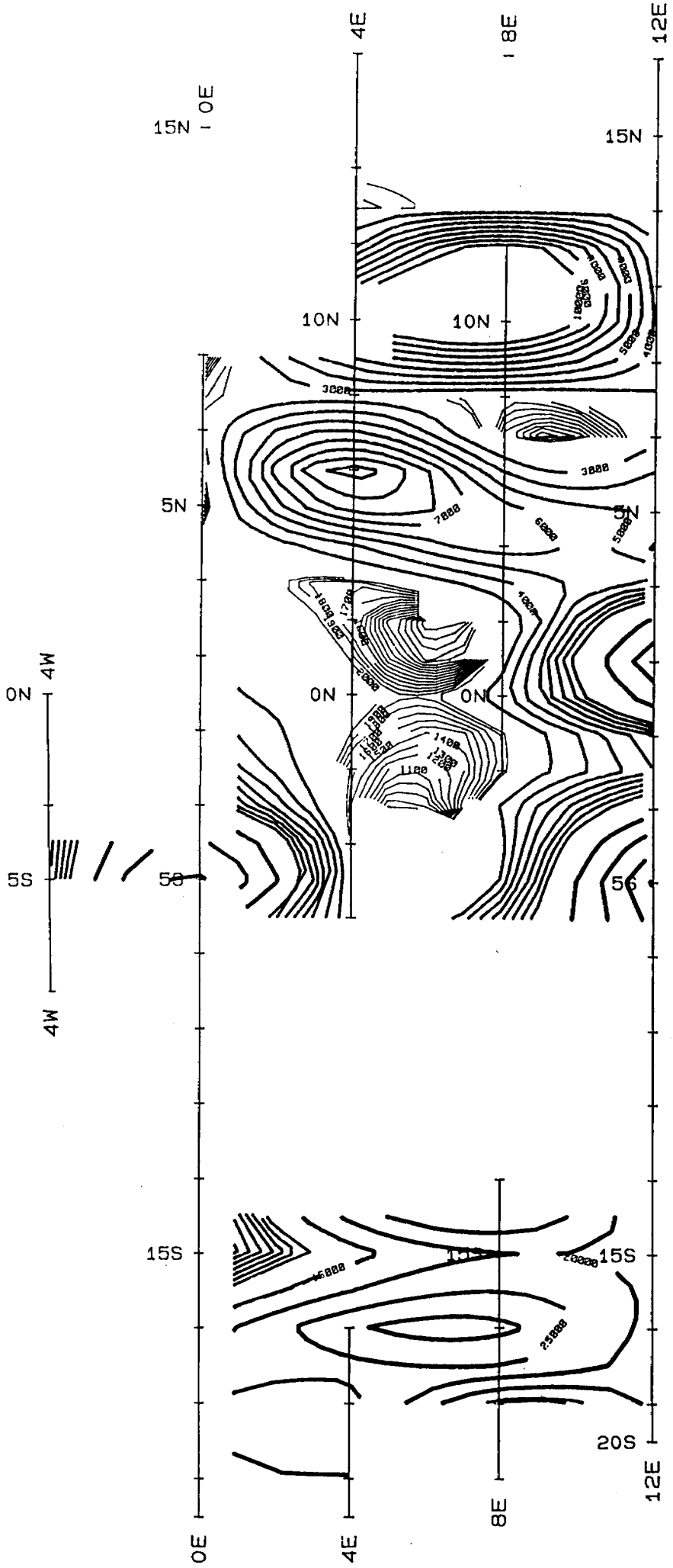
2.8666

BRISTOL PROJECT **B Grid**
IPR 11 M8 Chargeability
2 Mv/V Contour Interval
N : 1 A : 200'

Date	Drawn	Checked	Revised	NTS	File	Map
June 85	HP2585	-	-	/	-	1 of 2



Ft



UTAH MINES LTD.
Exploration Dept.
Toronto ; CANADA

28666

BRISTOL PROJECT B GRID

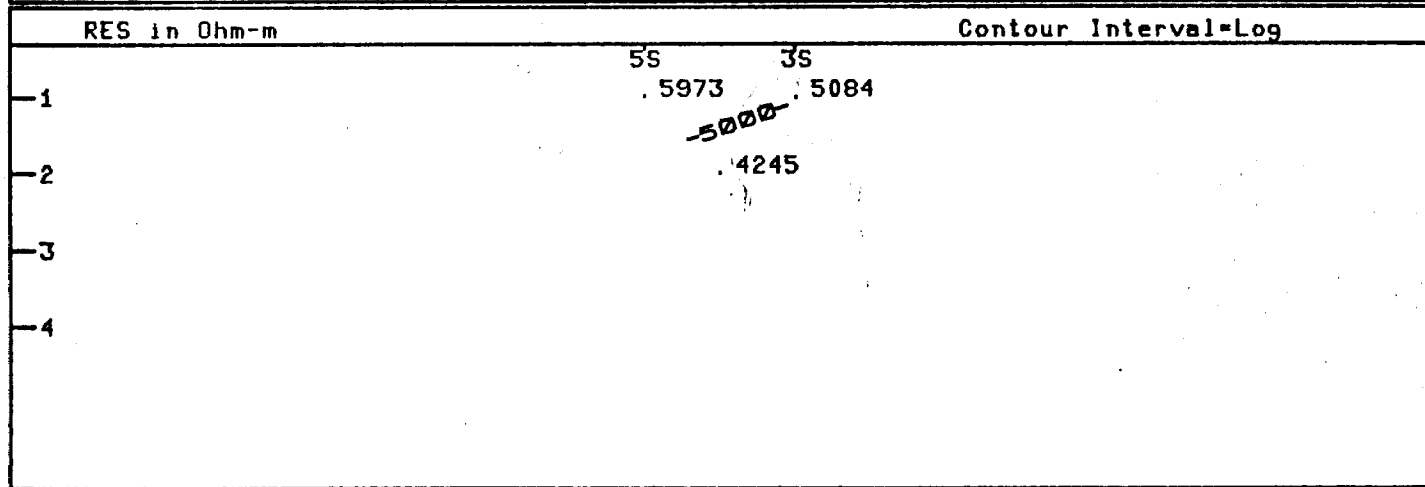
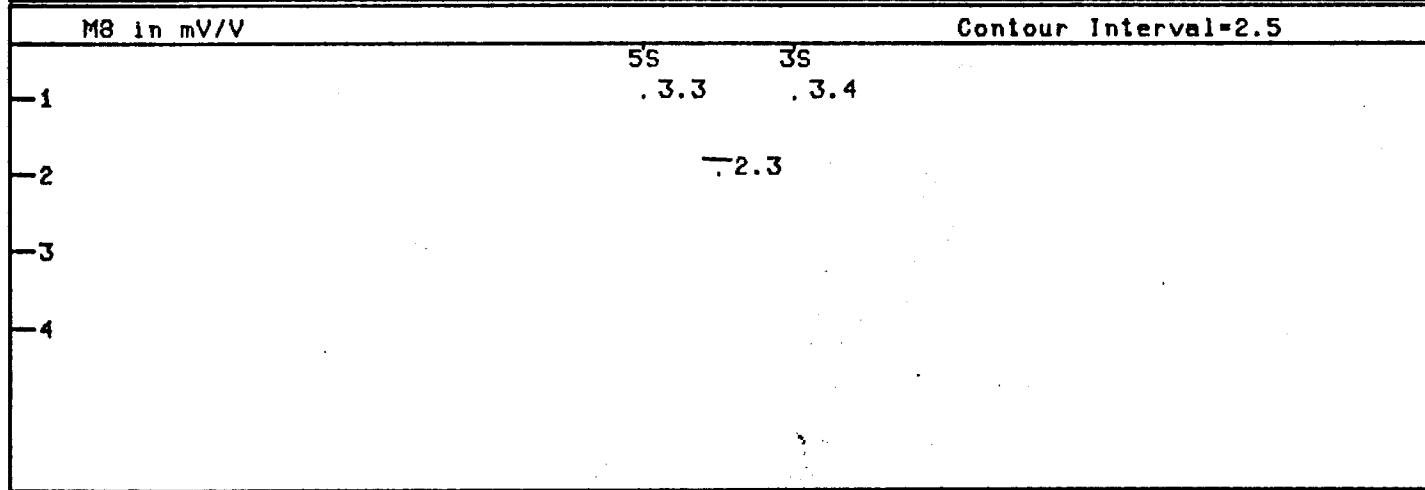
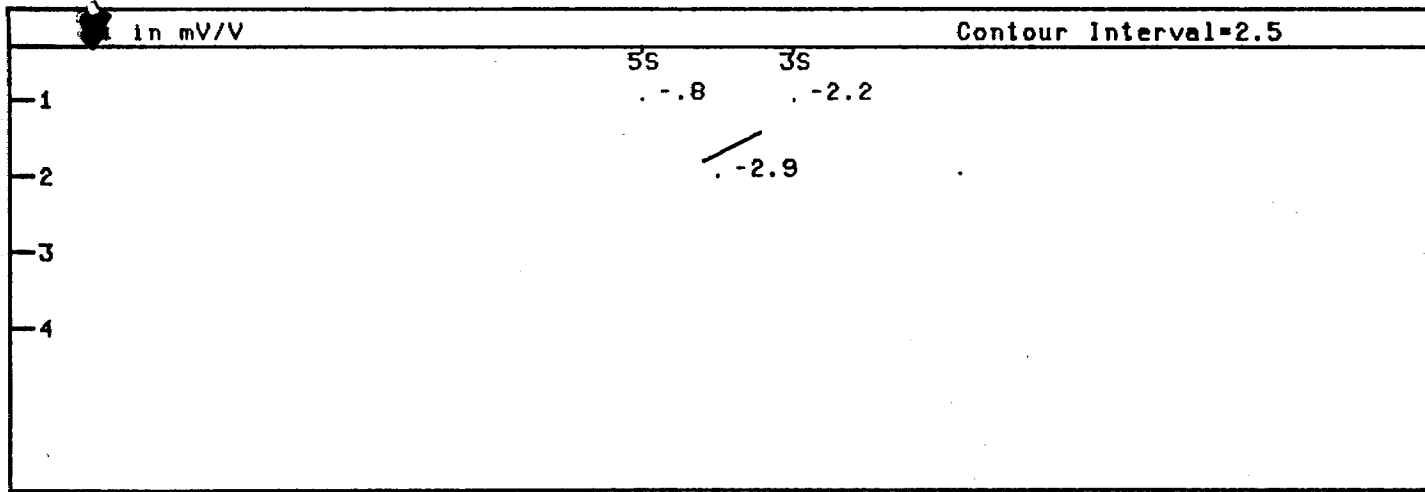
RESISTIVITY CONTOURS

AD

Date	Drawn	Checked	Revised	NTS	File	Map
June 85	HP7585	-	-	/	-	1 of 2

0 400 800 1200

ft



BRISTOL 'B' 85

Line 4W

IP SURVEY
02/06/85
IP Dp-Dp

Filename: BSdp20

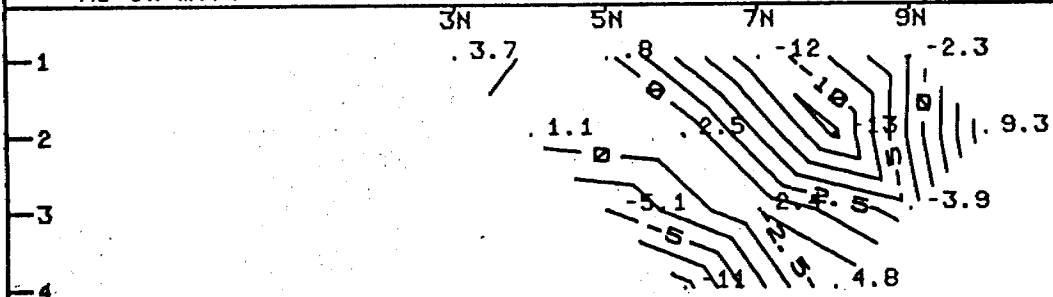
0 60.96 121.92
Meters

M.D.
UTAH MINES LTD.
Exploration Dept.

Toronto, CANADA

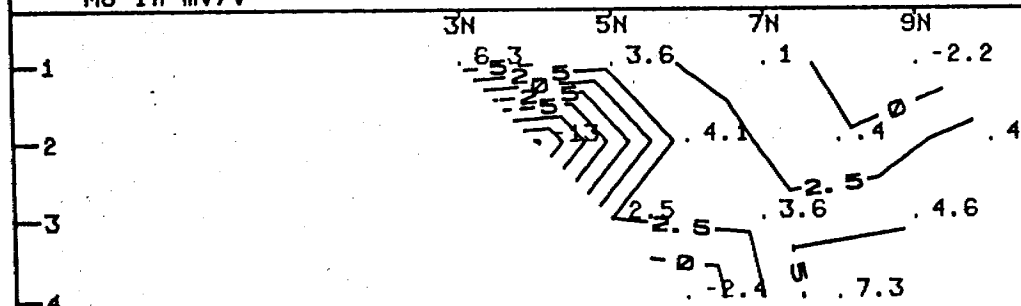
M1 in mV/V

Contour Interval=2.5



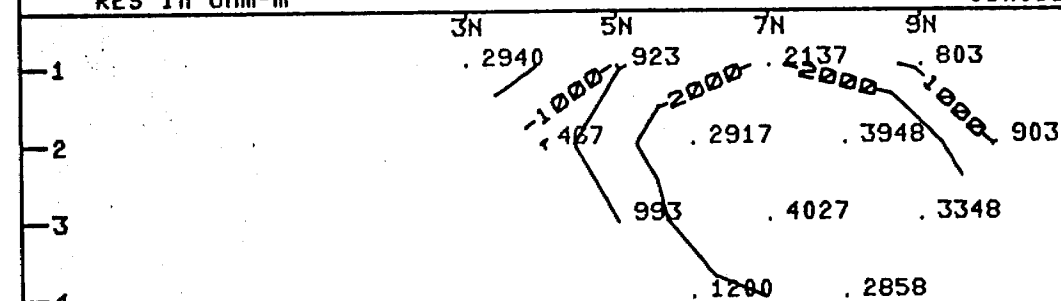
M8 in mV/V

Contour Interval=2.5



RES in Ohm-m

Contour Interval=Log



BRISTOL 'B' 85

Line 0E

IP SURVEY

02/06/85

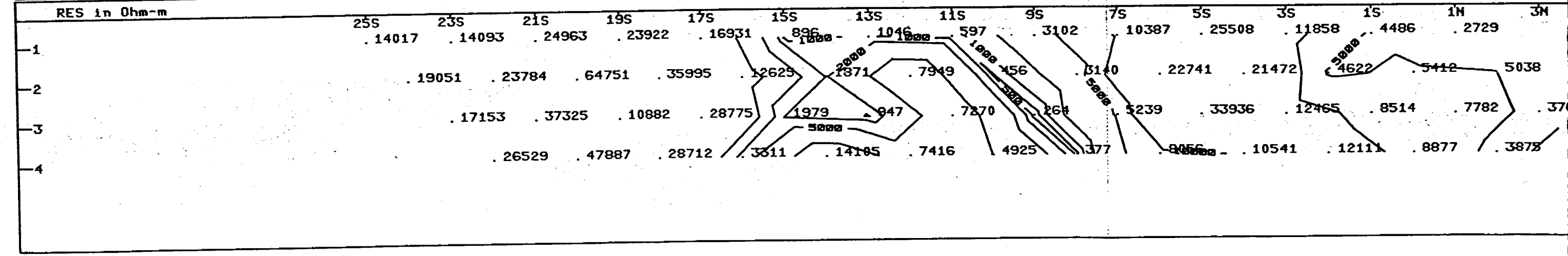
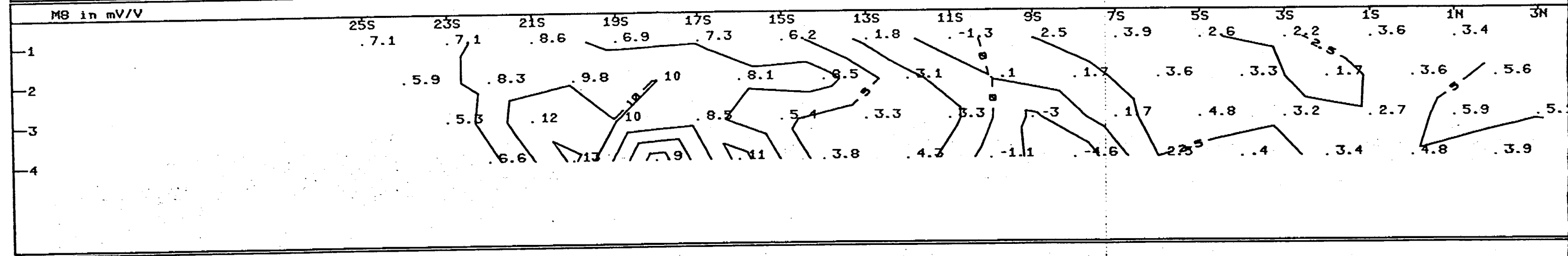
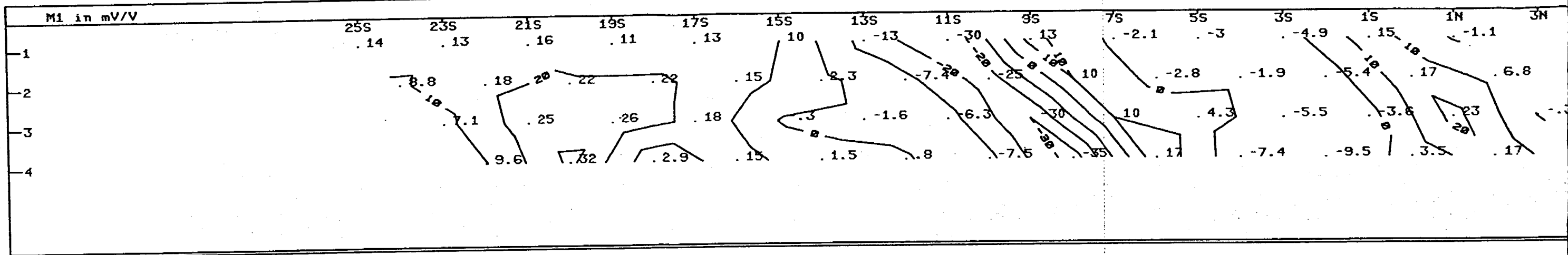
IP Dp-Dp

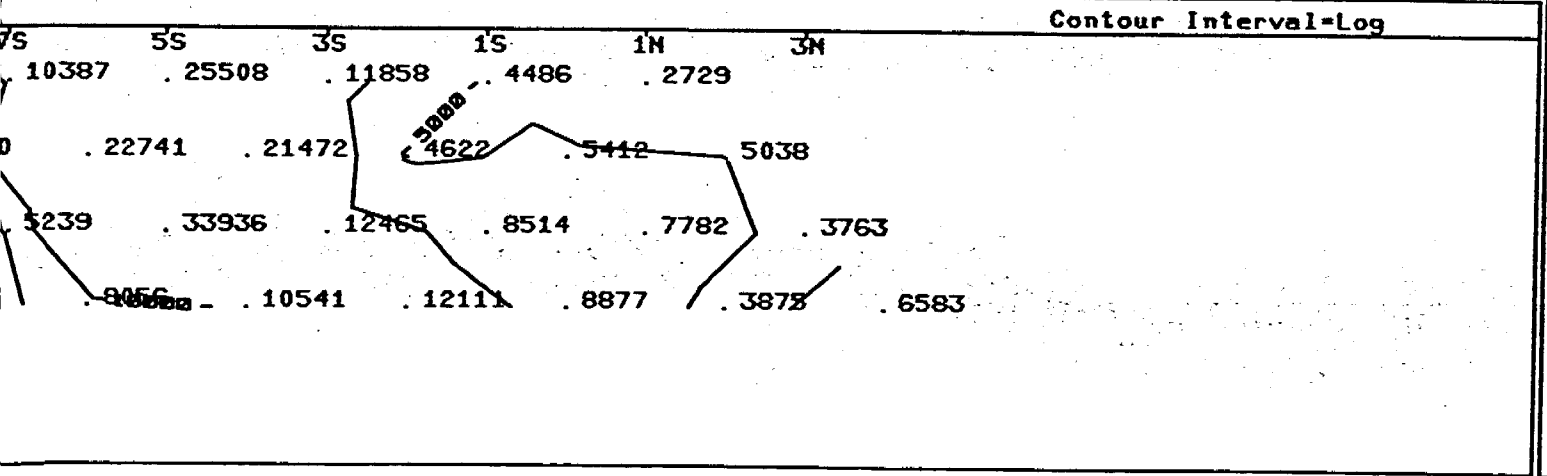
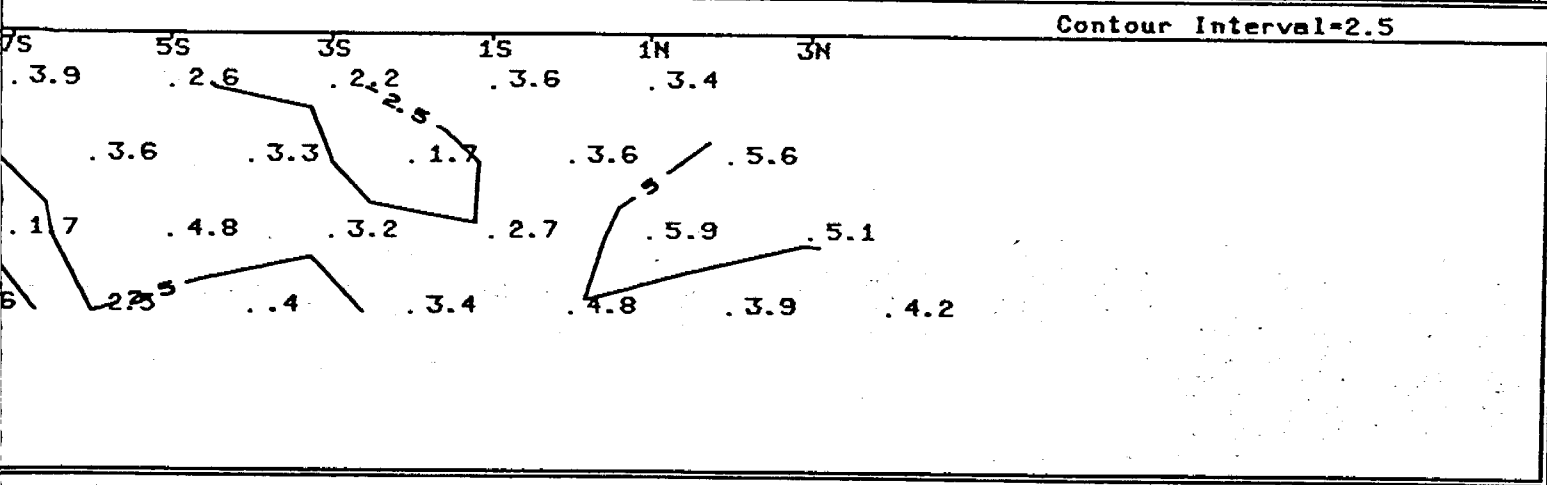
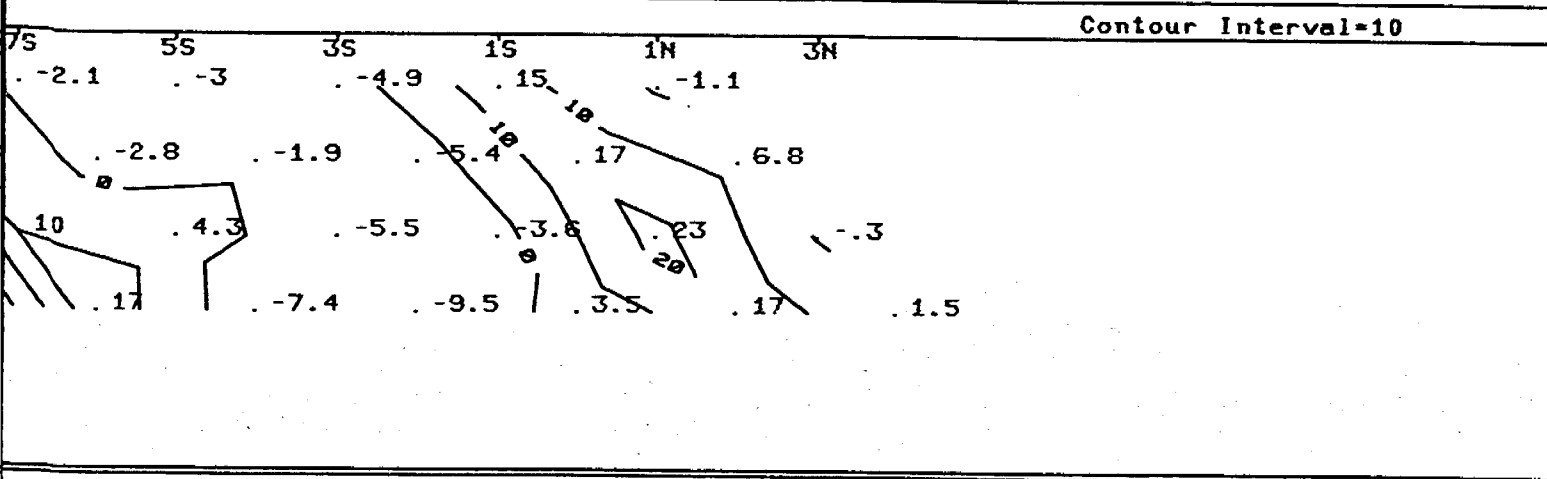
Filename: BSdp20

0 60.96 121.92
Meters

P. D. D.
UTAH MINES LTD.
Exploration Dept.

Toronto, CANADA



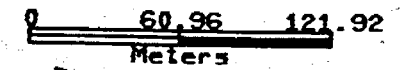


BRISTOL 'B' 85

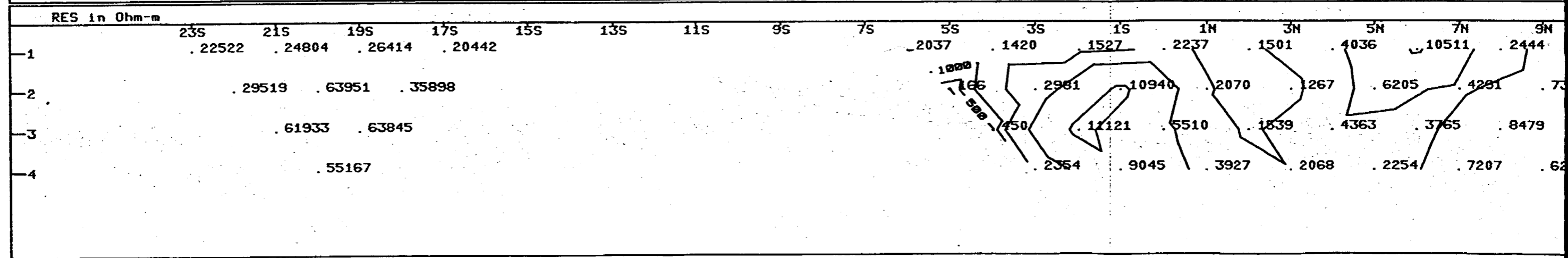
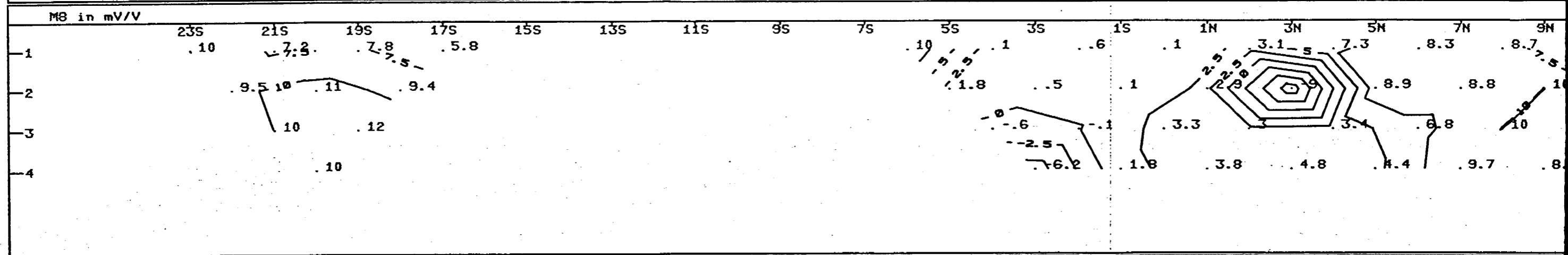
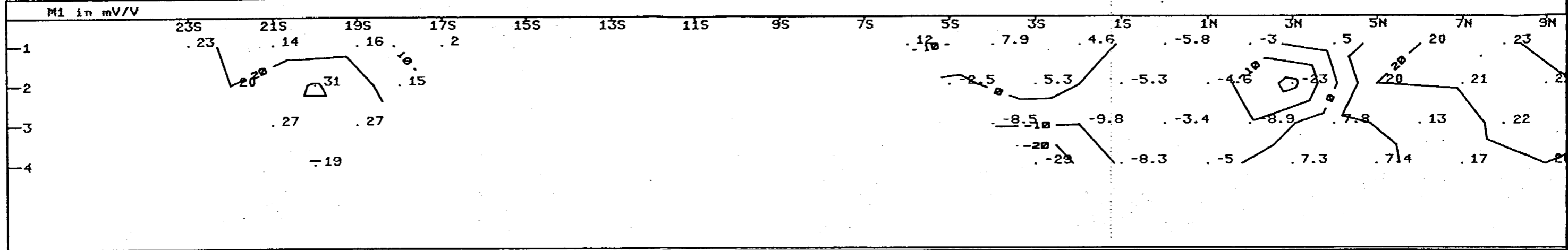
Line 0E

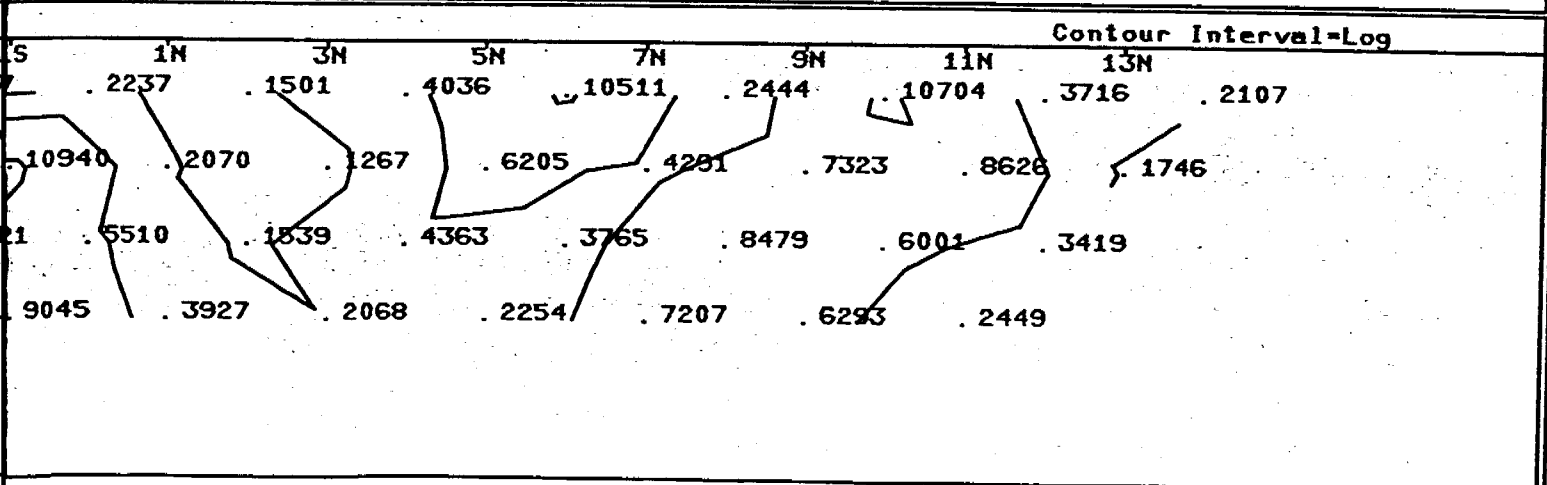
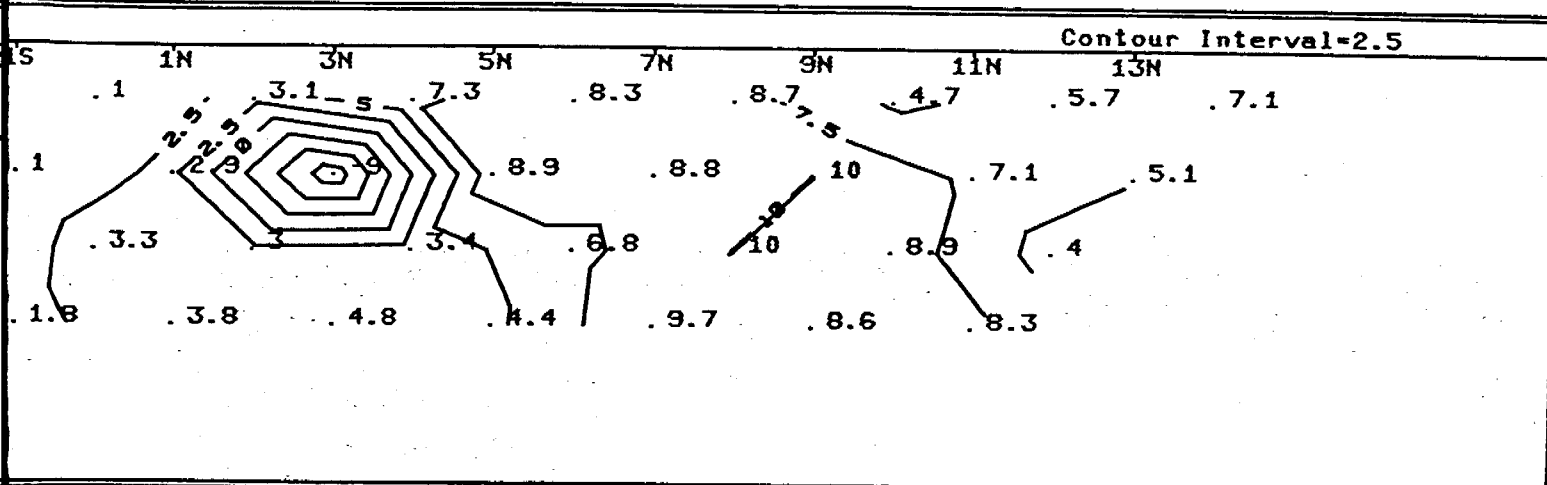
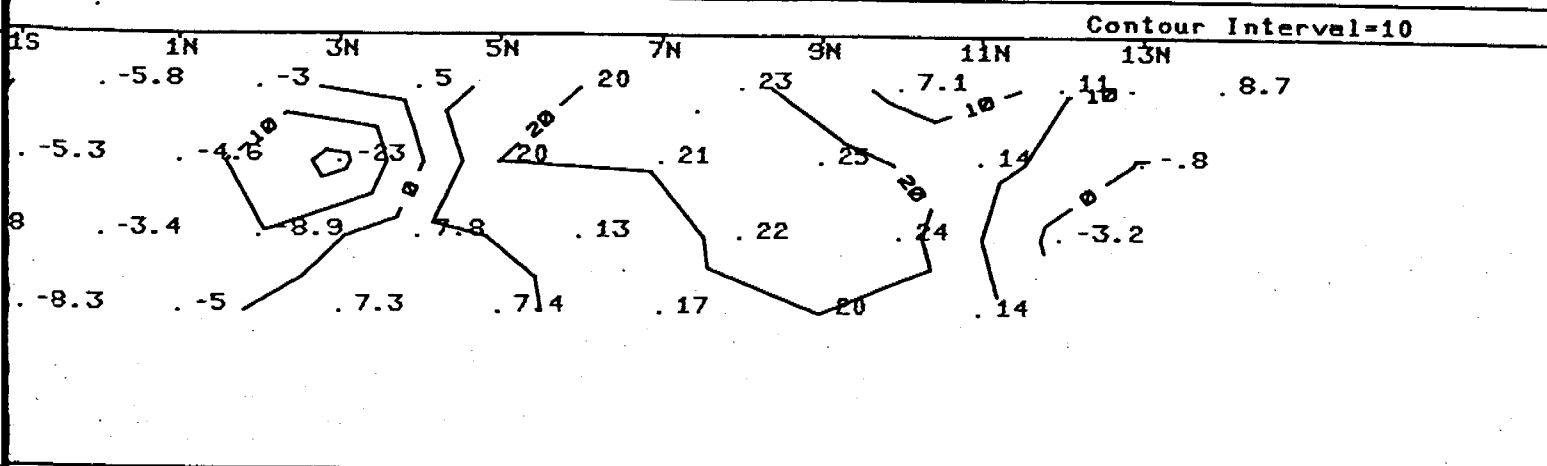
IP SURVEY
02/06/85
IP Dp-Dp

Filename: BSdp20



UTAH MINES LTD.
Exploration Dept.
Toronto, CANADA





BRISTOL 'B' 85

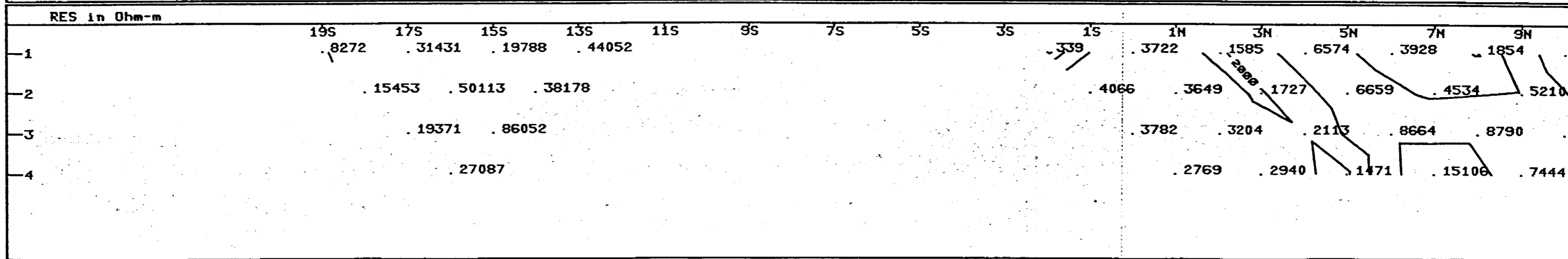
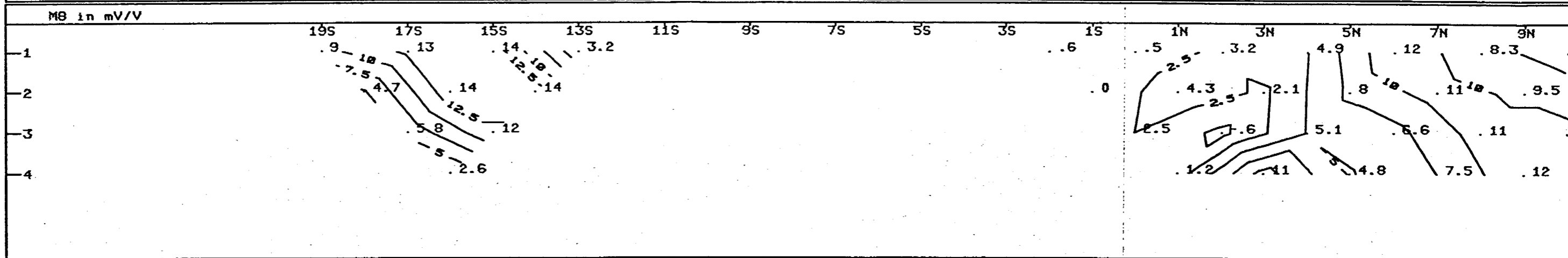
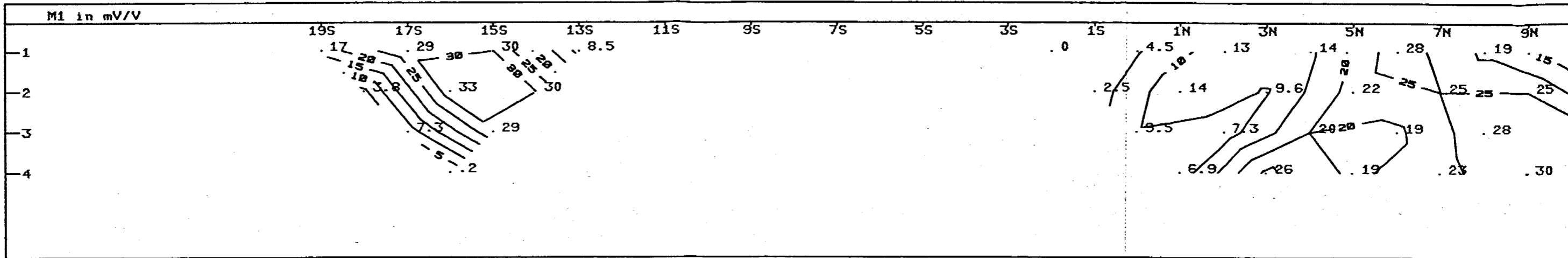
Line 4E

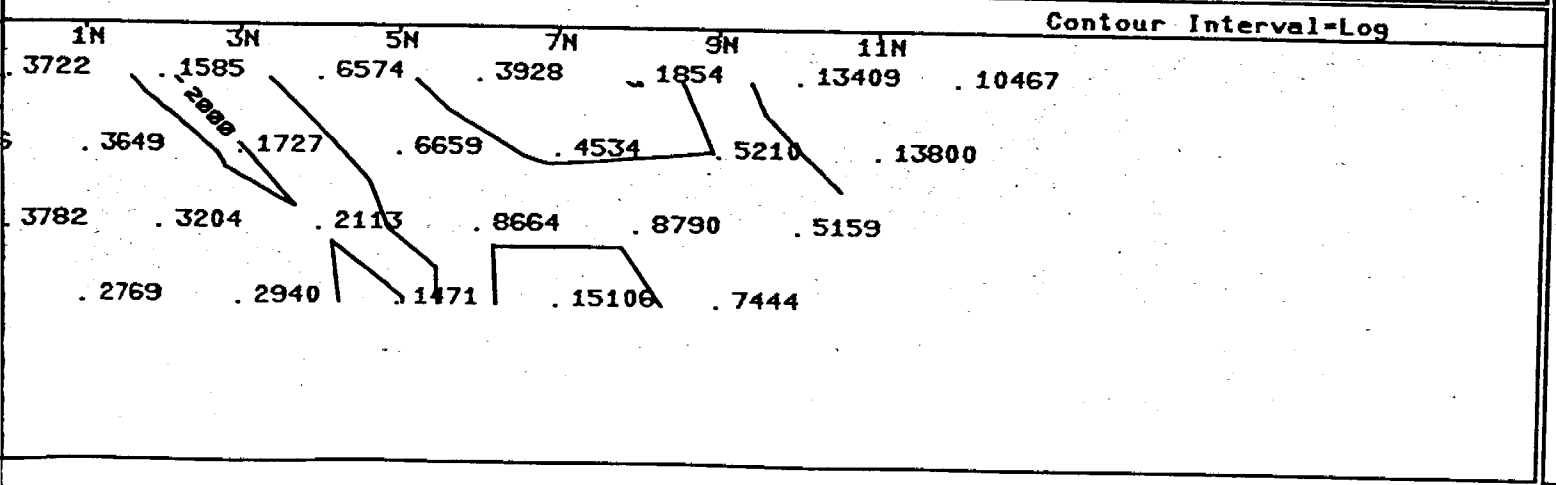
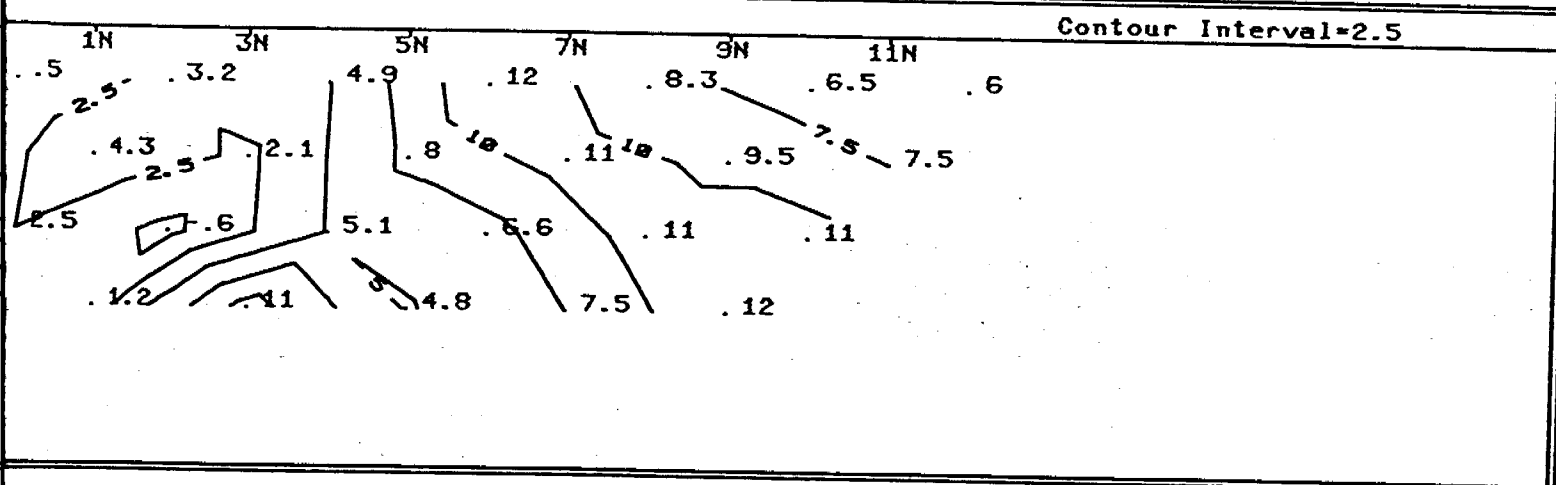
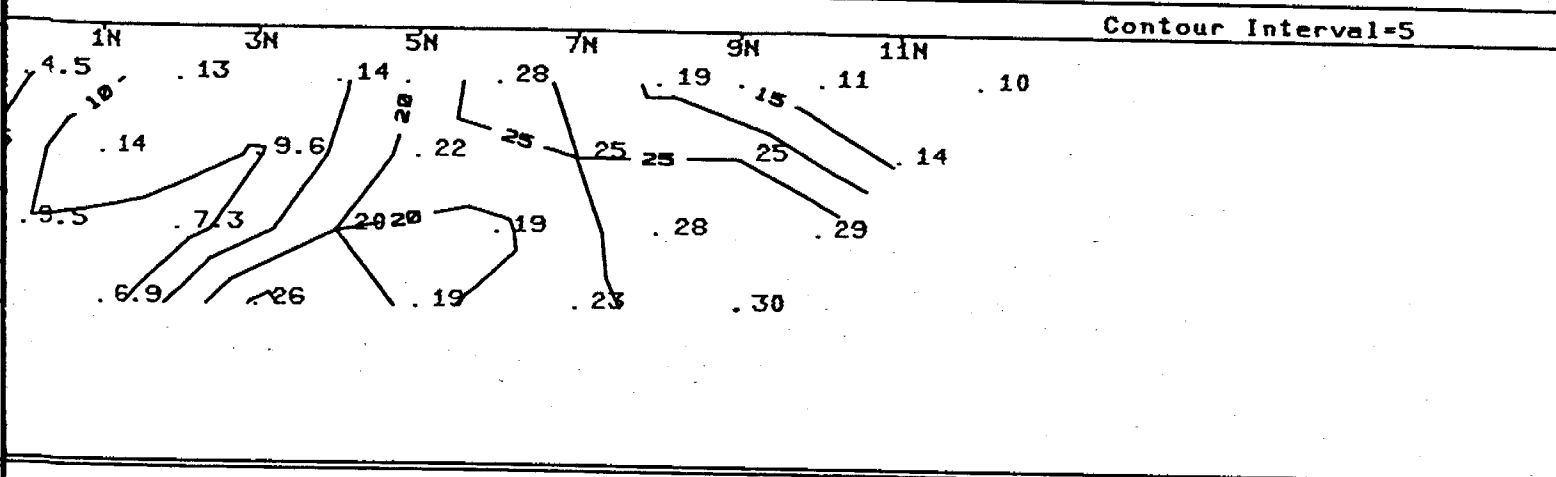
IP SURVEY
02/06/85
IP Dp-Dp

Filename: BSdp20



UTAH MINES LTD.
Exploration Dept.
Toronto, CANADA



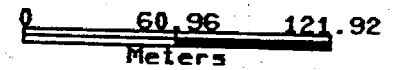


BRISTOL 'B' 85

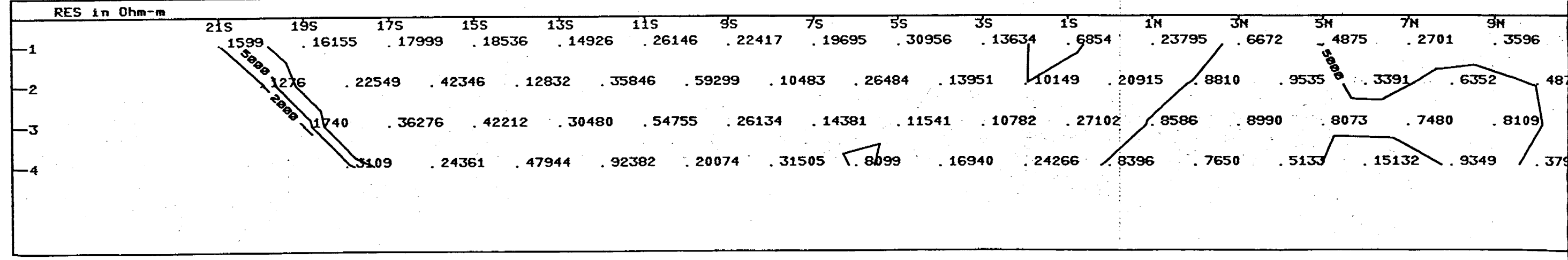
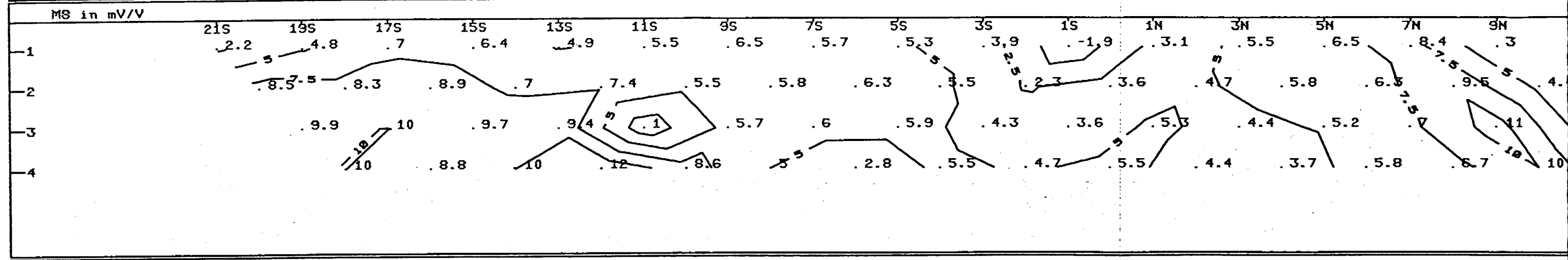
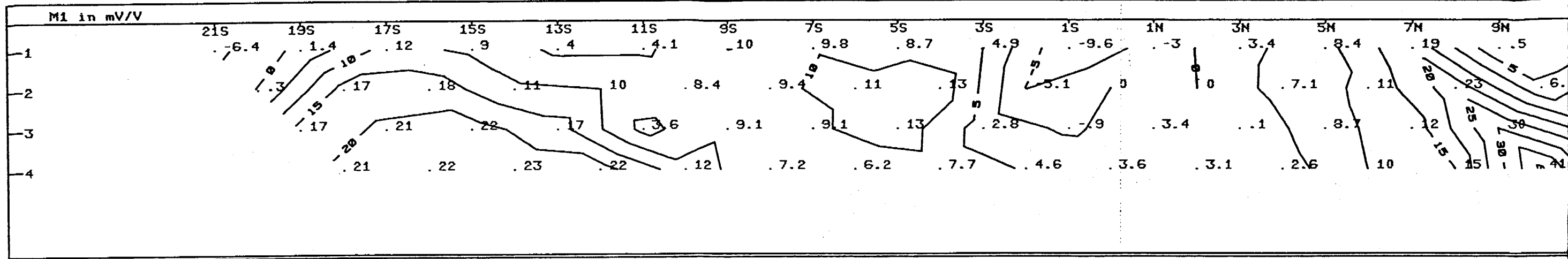
Line 8E

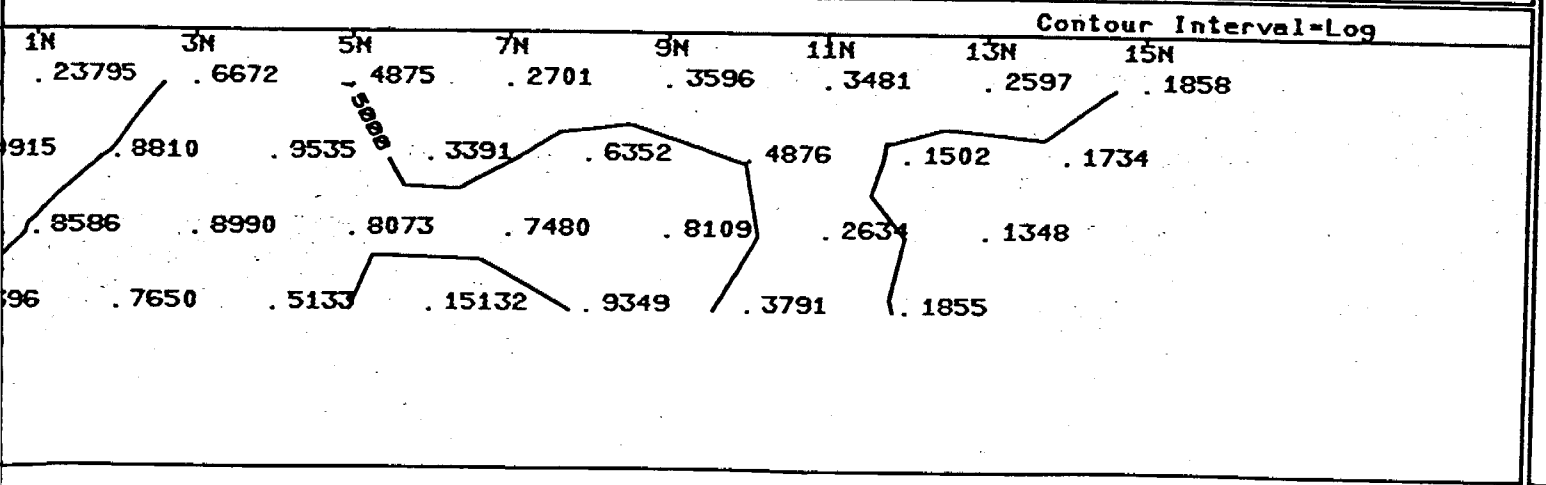
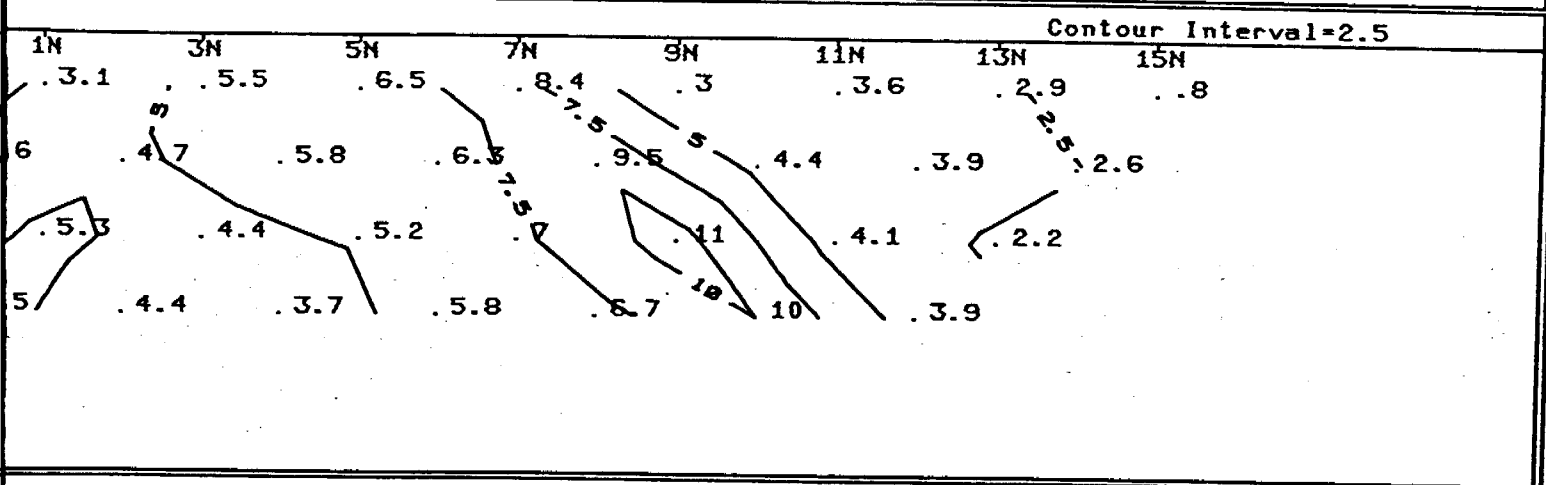
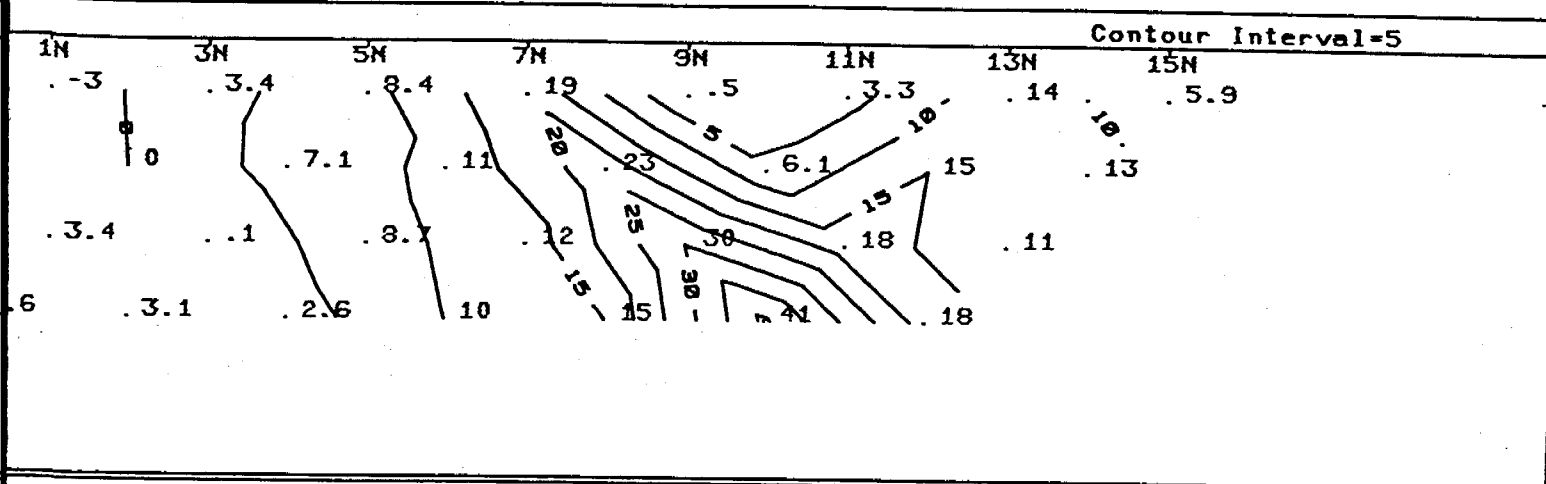
IP SURVEY
02/06/85
IP Dp-Dp

Filename: BSdp20



UTAH MINES LTD.
Exploration Dept.
Toronto, CANADA



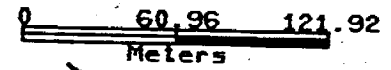


BRISTOL 'B' 85

Line 12E

IP SURVEY
02/06/85
IP Dp-Dp

Filename: BSdp20



UTAH MINES LTD.
Exploration Dept.
Toronto, CANADA



Ministry of

GEOPHYSICAL - GEO
TECHNICAL I



42A05NE8456 2.8666 BRISTOL

900

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

Type of Survey(s) Induced Polarization
Township or Area Bristol Township
Claim Holder(s) Utah Mines Ltd.
Survey Company Utah Mines Ltd.
Author of Report P. Diorio
Address of Author Suite 900, 25 Adelaide St. E. Toronto
Covering Dates of Survey Sept. 8, 1984 to November 15, 1985
(linecutting to office)
Total Miles of Line Cut 38.9

MINING CLAIMS TRAVERSED
List numerically

P	724587	752203
(prefix)	724588	(number)
P	724589	752204
P	724590	752205
P	724591	779457
P	740864	779458
P	740865	779459
P	740866	779460
P	740867	779461
P	740868	779509
P	740869	779510
P	740870	779511
P	740871	779512
P	740872	779513
P	740873	779514
P	752195	779515
P	752196	825436
P	752197	825437
P	752198	825438
P	752199	825439
P	752200	825440
P	752201	
P	752202	

If space insufficient, attach list

SPECIAL PROVISIONS CREDITS REQUESTED	Geophysical	DAYS per claim.
ENTER 40 days (includes line cutting) for first survey.	-Electromagnetic	
	-Magnetometer	
	-Radiometric	
	-Other (IP)	20
ENTER 20 days for each additional survey using same grid.	Geological	
	Geochemical	

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

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

DATE: Nov. 15/85 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications C. 4695

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 43

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations _____ Number of Readings _____ Chargeability 2530 x 10
Resistivity 2530 x 1
Station interval 100' Line spacing 400'
Profile scale _____
Contour interval _____ Chargeability 2 MV/V, Resistivity 100, 1000, 5000 ohm-meters

MAGNETIC

Instrument _____
Accuracy - Scale constant _____
Diurnal correction method _____
Base Station check-in interval (hours) _____
Base Station location and value _____

ELECTROMAGNETIC

Instrument _____
Coil configuration Fixed transmitter/tilt angle
Coil separation _____
Accuracy _____
Method: Fixed transmitter Shoot back In line Parallel line
Frequency _____
(specify V.L.F. station)
Parameters measured _____

GRAVITY

Instrument _____
Scale constant _____
Corrections made _____
Base station value and location _____
Elevation accuracy _____

INDUCED POLARIZATION RESISTIVITY

Instrument Scintrex IPR-11 Receiver, Crone 250W Transmitter
Method Time Domain Frequency Domain
Parameters - On time 2 Sec. Frequency _____
- Off time 2 Sec. Range _____
- Delay time 1050 Msec. (Slice 8)
- Integration time 360 Msec. (Slice 8)
Power 250 Watt
Electrode array Dipole - Dipole
Electrode spacing 200 feet, N = 1, 2, 3, 4
Type of electrode Stainless Steel

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____
(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____
(specify for each type of survey)

Accuracy _____
(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

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

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

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

383/85
28666

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.

The Mining Act

Type of Survey(s) Induced Polarization		Township or Area Bristol Township	
Claim Holder(s) Utah Mines Ltd.		Prospector's Licence No. T793	
Address Suite 900 25 Adelaide St. East, Toronto, Ontario M5C 1Y2			
Survey Company Utah Mines Ltd.		Date of Survey (from & to) 07 05 85 31 05 85 Day Mo. Yr. Day Mo. Yr.	
		Total Miles of line Cut 42	
Name and Address of Author (of Geo-Technical report) Peter Diorio, Utah Mines Ltd. (as above)			

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	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other IP	20
	Geological	
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reversal and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	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.
P	724587		P	752202	
	724588			752203	
	724589			752204	
	724590			752205	
	724591			779457	
	740864			779458	
	740865			779459	
	740866			779460	
	740867			779461	
				779509	
	740868			779510	
	740869			779511	
	740870			779512	
	740871			779513	
	740872			779514 (claim cancelled)	
	740873			779515	
	752195			825436	
	752196			825437	
	752197			825438	
	752198			825439	
	752199			825440	
	752200				
	752201				

Expenditures (excludes holes and drilling)

Type of Work **Induced Polarization**

Performed on **OCT 28 1985**

Calculation of Expenditure Days Credits

Total Expenditures \$ ÷ 15 = Total Days Credits

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 **October 8/85** Recorded by holder or Agent (Signature) *P Diorio*

For Office Use Only

Total Days Cr. Recorded **840** Date Recorded **Oct 28/85** Mining Recorder *Manley*

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
**Peter Diorio, Utah Mines Ltd. Suite 900, 25 Adelaide St. E.
Toronto, Ontario M5C 1Y2**

Date Certified **Oct. 8, 1985** Certified by (Signature) *P Diorio*



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

#457

Land Management Nov 21

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: 660367

Mining Act

Type of Survey(s) GEOCHEMISTRY OF ROCKS		Township or Area SEELY LAKE AREA (G-613)	
Claim Holder(s) Carlson Mines Ltd.,		Prospector's Licence No. A34987 T 1226	
Address 2 Civic Center Court, Suite 407, Toronto, Ontario M9C 5A3			
Survey Company Nornada Exploration Company Limited		Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr.	
Name and Address of Author (of Geo-Technical report) Bruce Mackie, P.O. Box 40, Marathon, Ontario POT 2E0			

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		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
TB	660376	8			
	660377	8			
	660378	40			
	660379	40			
	660380	40			
	661867	33			

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures: \$ 2,527.50 ÷ 15 = Total Days Credits: 169

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. **6**

Date: **Sept. 30, 1985**
Recorded Holder or Agent (Signature): *[Signature]*

For Office Use Only

Total Days Cr. Recorded: **169**
Date Recorded: **October 2, 1985**
Mining Recorder: *[Signature]*
Date Approved: *[Signature]*
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
Bruce Mackie, P.O. Box 40, Marathon, Ontario POT 2E0

Date Certified: **Oct 2 1985**
Certified by (Signature): *[Signature]*



Recorded Holder
UTAH MINES LTD

Township or Area
BRISTOL TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<p>Geophysical</p> <p>Electromagnetic _____ days</p> <p>Magnetometer _____ days</p> <p>Radiometric _____ days</p> <p>Induced polarization <u>17</u> _____ days</p> <p>Other _____ days</p>	<p>P 724587 to 91 inclusive 740864 to 73 inclusive 752195 to 205 inclusive 779457 to 61 inclusive 779509 to 14 inclusive 825436 to 40 inclusive</p>
<p>Section 77 (19) See "Mining Claims Assessed" column</p>	
<p>Geological _____ days</p>	
<p>Geochemical _____ days</p>	
<p>Man days <input type="checkbox"/> Airborne <input type="checkbox"/></p> <p>Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims.</p> <p><input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.</p>	

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

P 779515

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

UTAH MINES LTD.

MINERAL EXPLORATION

SUITE 900, 25 ADELAIDE STREET EAST, TORONTO, ONTARIO, CANADA M5C 1Y2
(416) 368-3884

November 26, 1985

Mr. Ray Pichette,
Supervisor Mining Land Section,
Ministry of Natural Resources,
Room 6610, Whitney Block,
99 Wellesley Street, West,
Toronto, Ontario.
M7A 1W3

Dear Sir:

Please find enclosed duplicate copies of an assessment report covering geophysical surveys performed on claims in Bristol Township.

Respectfully submitted,



P.A. Diorio

PAD/ak

Enclosures: 2 Assessment Reports
2 Technical Data Statements
2 Sets of Plan Maps

RECEIVED
NOV 26 1985
MINING LANDS SECTION



Ontario

Ministry of
Natural
Resources

Dec. 27/85

1985 12 10

Your File: 383
Our File: 2.8666

Mining Recorder
Ministry of Northern Development and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

D.KDK/mc

Encls.

cc: Utah Mines Ltd
Suite 900
25 Adelaide Street East
Toronto, Ontario
M5C 1Y2
Attention: Peter Diorio

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



Ministry of
Natural
Resources

Ontario

Notice of Intent
for Technical Reports

1985 12 10

2.8666/383

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

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

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

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

Mining Lands Section

File No 2. 8666

Control Sheet

TYPE OF SURVEY

GEOPHYSICAL

GEOLOGICAL

GEOCHEMICAL

EXPENDITURE

MINING LANDS COMMENTS:

< Bristol >

*L.P.
L.P.
L.P.*

[Signature]

Signature of Assessor

10/15/85

Date

1986 01 17

Your File: 383
Our File: 2.8666

Mining Recorder
Ministry of Northern Development and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Notice of Intent dated December 10, 1985
Geophysical (Induced Polarization) Survey
on Mining Claims P 724587, et al, in
Bristol Township

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

SH/mc

cc: Utah Mines Ltd
Suite 900
25 Adelaide Street East
Toronto, Ontario
M5C 1Y2
Attention: Peter Diorio

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

Resident Geologist
Timmins, Ontario

Encl.

Work
 Geophysical, Geological,
 and Expenditures)

383/85
 28666

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.

The Mining Act

ed Polarization
 ah Mines Ltd.
 Suite 900 25 Adelaide St. East, Toronto, Ontario M5C 1Y2
 Date of Survey (from & to)
 07 05 85 31 05 85
 Day Mo. Yr. Day Mo. Yr. Total Miles of line Cut
 42
 Township or Area
 Bristol Township
 Prospector's Licence No.
 T793
 Author (of Geo-Technical report)
 Peter Diorio, Utah Mines Ltd. (as above)

Enter Each Claim in Columns at right	Mining Claims Traversed (List in numerical sequence)		
	Geophysical	Mining Claim	Expend. Days Cr.
- Electromagnetic - Magnetometer - Radiometric - Other IP Geological Geochemical	Prefix P Number 724587 $\frac{1}{4}$ 724588 $\frac{1}{2}$ 724589 $\frac{1}{2}$ 724590 \sim 724591 \checkmark 740864 \checkmark 740865 $\frac{1}{2}$ 740866 $\frac{1}{4}$ 740867 $\frac{1}{2}$ 740868 $\frac{1}{2}$ 740869 \checkmark 740870 \checkmark 740871 \checkmark 740872 \checkmark 740873 \checkmark 752195 \checkmark 752196 $\frac{3}{4}$ 752197 $\frac{3}{4}$ 752198 \checkmark 752199 \checkmark 752200 $\frac{3}{4}$ 752201 $\frac{3}{4}$	Mining Claim Prefix P Number 752202 \checkmark 752203 $\frac{3}{4}$ 752204 \checkmark 752205 \checkmark 779457 \checkmark 779458 \checkmark 779459 $\frac{1}{4}$ 779460 $\frac{1}{4}$ 779461 \checkmark 779509 $\frac{1}{4}$ 779510 $\frac{3}{4}$ 779511 $\frac{1}{2}$ 779512 \checkmark 779513 \checkmark 779514 (claim covered) 779515 \checkmark 825436 \checkmark 825437 \checkmark 825438 \checkmark 825439 $\frac{1}{4}$ 825440 $\frac{1}{4}$	

Additional survey:
 days (for each)

Complete reverse side
 enter total(s) here

Note: Special provisions
 credits do not apply
 to Airborne Surveys.

RECEIVED
 OCT 28 1985

RECORDED
 OCT 28 1985

Expenditures (excludes power striping)
 Type of Work
 Performed on
 Calculation of Expenditure Days Credits
 Total Expenditures \$ \div 15 =
 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
 October 8/85
 Recorded holder or Agent (Signature)
 P Diorio

For Office Use Only
 Total Days Cr. Recorded
 840
 Date Recorded
 Oct 28/85
 Date Approved as Recorded
 PRO-RATE $(42 \times 20) \div (42 + \frac{3}{4}) = 16.47 \approx 16 \frac{1}{2}$
 Mining Recorder
 Branch Director

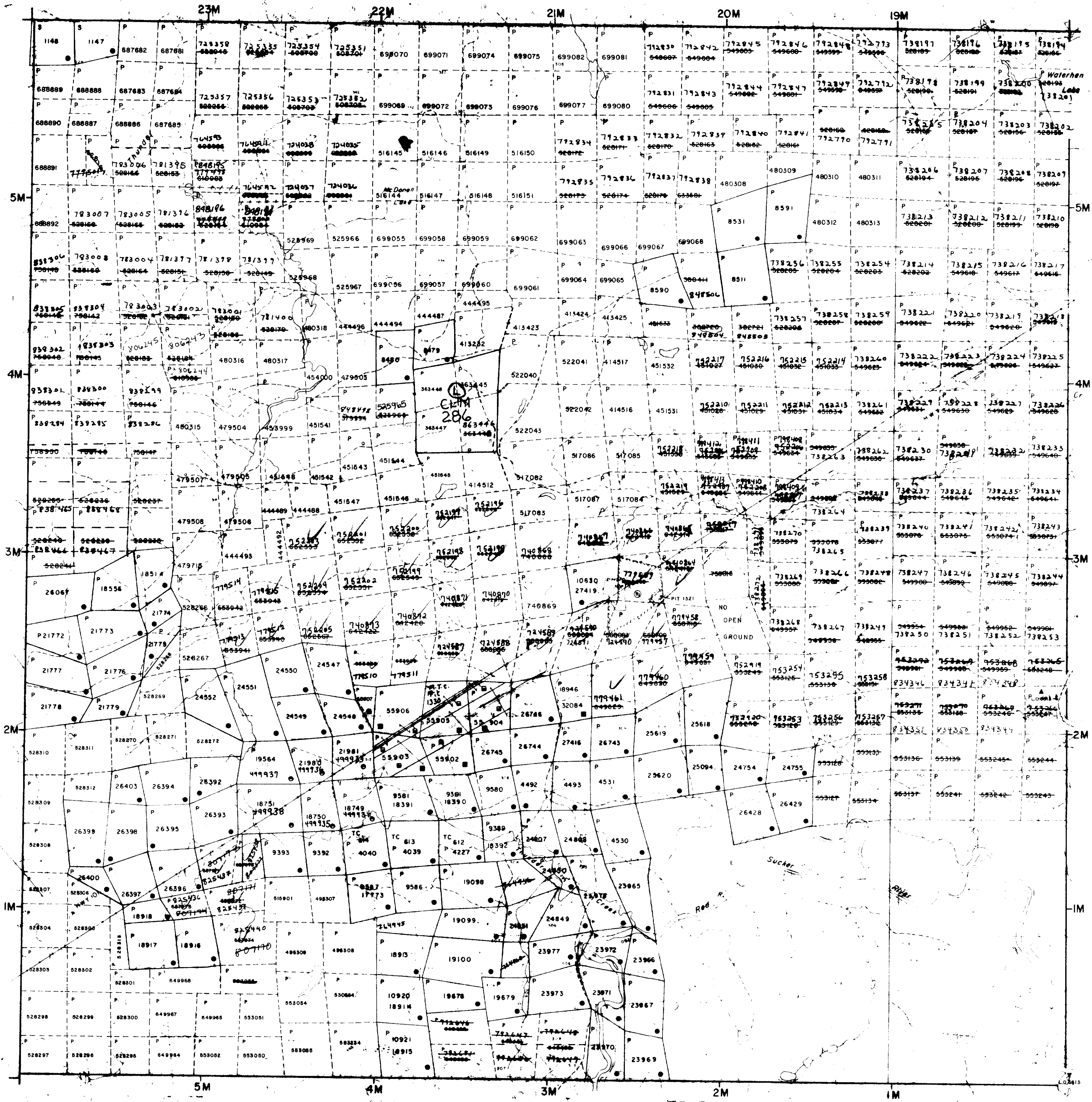
Total number of mining claims covered by this report of work.
 42
 43

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
 Peter Diorio, Utah Mines Ltd. Suite 900, 25 Adelaide St. E.
 Toronto, Ontario M5C 1Y2
 Date Certified
 Oct. 8, 1985
 Certified by (Signature)
 P Diorio

MAP SYMBOLOGY

<ul style="list-style-type: none"> Water Course Railroad Highway Power Line Telephone Gas Electric Water Sanitary Drainage Chimney Cliff, Pit, Hole Contours Intersections Assemblies Watercourse Central Points Angle Vertical Culvert Falls Double Line Road Fence, Hedge, Wall Feature Outline (Construction Features, etc.) Flooded Land Lock Marsh or Swamp Mine Head Frame Outcrop 	<ul style="list-style-type: none"> Pipeline (Iron, Steel) Single Track Double Track Assigned Road Highway, County Traverse Access Road (at dangerous intersection or bridge) Water Sanitary Drainage Rapids Double Line Road with Multiple Roads Reservoir River, Stream, Canal Assemblies Section of Line Pack Spot Elevation (1000 feet intervals) Lower Transmission Line Power Utility Poles Wharf, Dock, Pier Wooded Area
---	---

GODFREY TWP. G-



LEGEND

<ul style="list-style-type: none"> PROPERTY AND HOLDING OTHER ROADS TRAILS SURVEYED LINES TOWNSHIP BASE, MAPS, ETC. LOTS, MINING CLAIMS, PARCELS, ETC. UNSURVEYED LINES LOT LINES PARCEL BOUNDARY MINING CLAIMS, ETC. RAILWAY AND RIGHT OF WAY UTILITY LINES NON-PERENNIAL STREAM FLOODING OR FLOODING RIGHTS SUBDIVISION OR COMPOSITE PLAN RESERVATIONS ORIGINAL SHORELINE MARSH OR MUSKIE 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 COUNCIL	○
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○

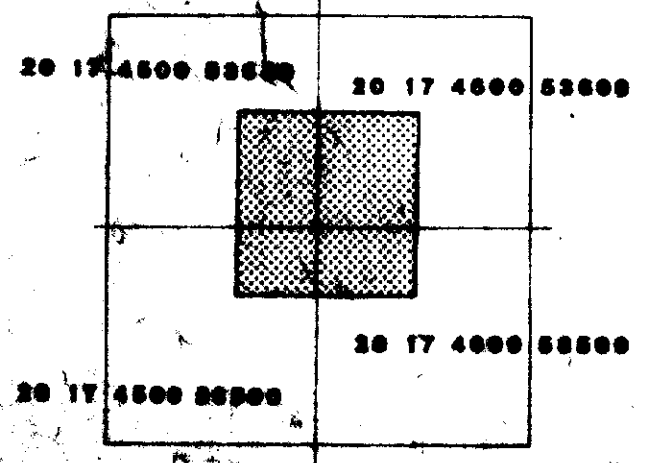
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 1, 1913, EXIST IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT AND 1910 CHAP. 100 SEC. 63 SUBSEC. 1.

AREAS WITHDRAWN FROM DISPOSITION

Description	Order No.	Date	Disposition	File
S.R.O. - MINING RIGHTS ONLY				
S.R.O. - SURFACE RIGHTS ONLY				
M.+S. - MINING AND SURFACE RIGHTS				

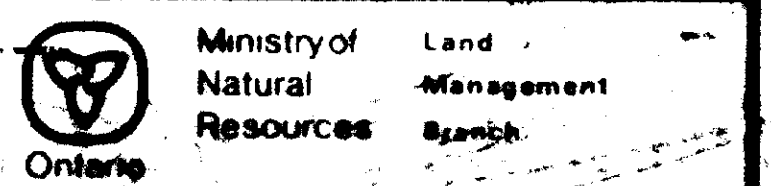
SRD 164884

KEY PLAN For O.B.M. Map

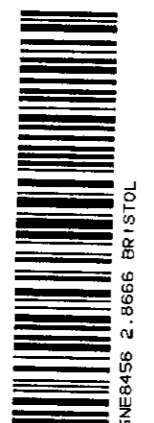


SCALE 1:20 000

TOWNSHIP
BRISTOL
M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE



G-3998



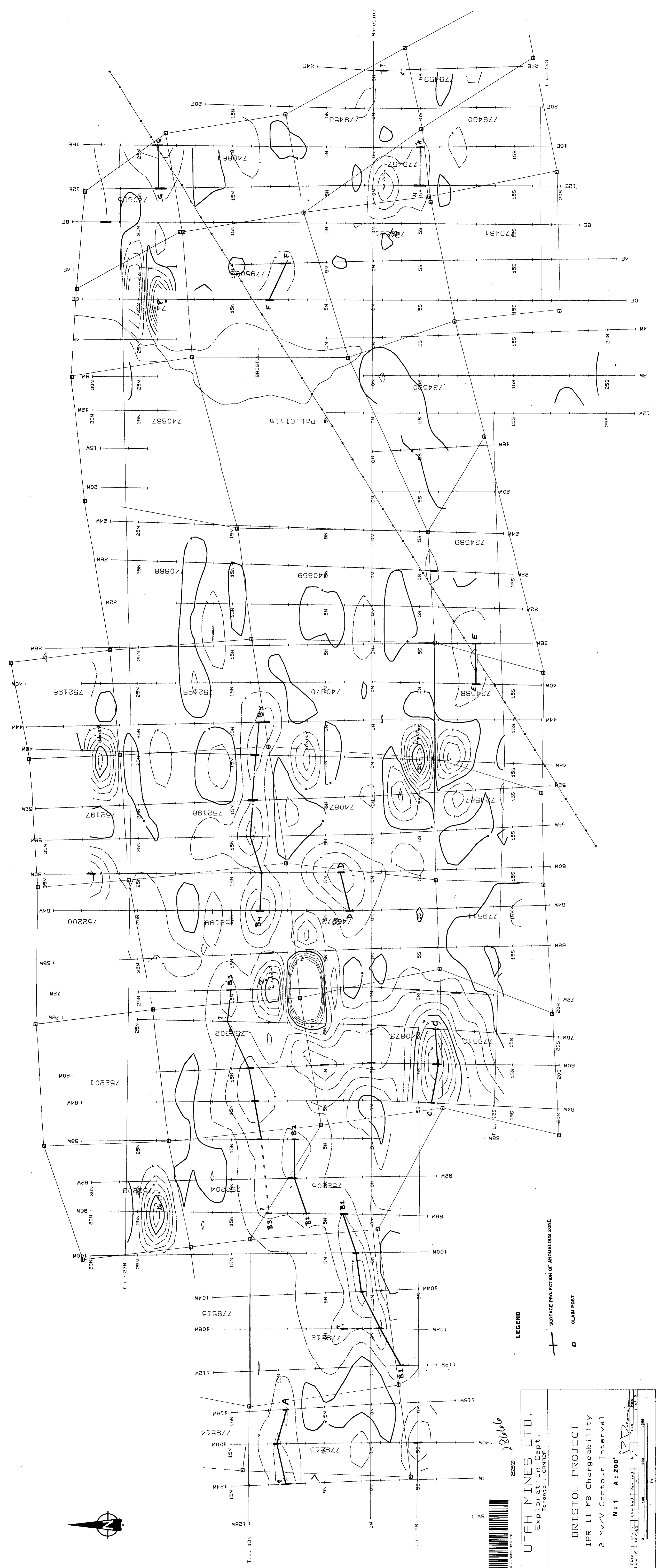
210
 UTAH MINES LTD.
 Exploration Dept.
 Toronto 1, CANADA

BRISTOL PROJECT

RESISTIVITY CONTOURS

N : 1 A : 200'

DATE	BY	CHECKED	APPROVED
JUL 28 1961	W. J. HARRIS	W. J. HARRIS	W. J. HARRIS



UTAH MINES LTD.
Exploration Dept.
Toronto: CRNRDR

BRISTOL PROJECT
IPR 11 MB Chargeability
2 Mv/V Contour Interval

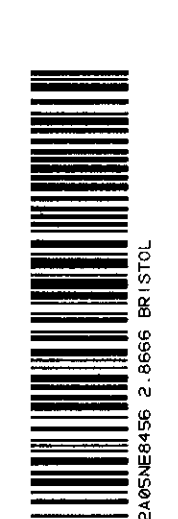
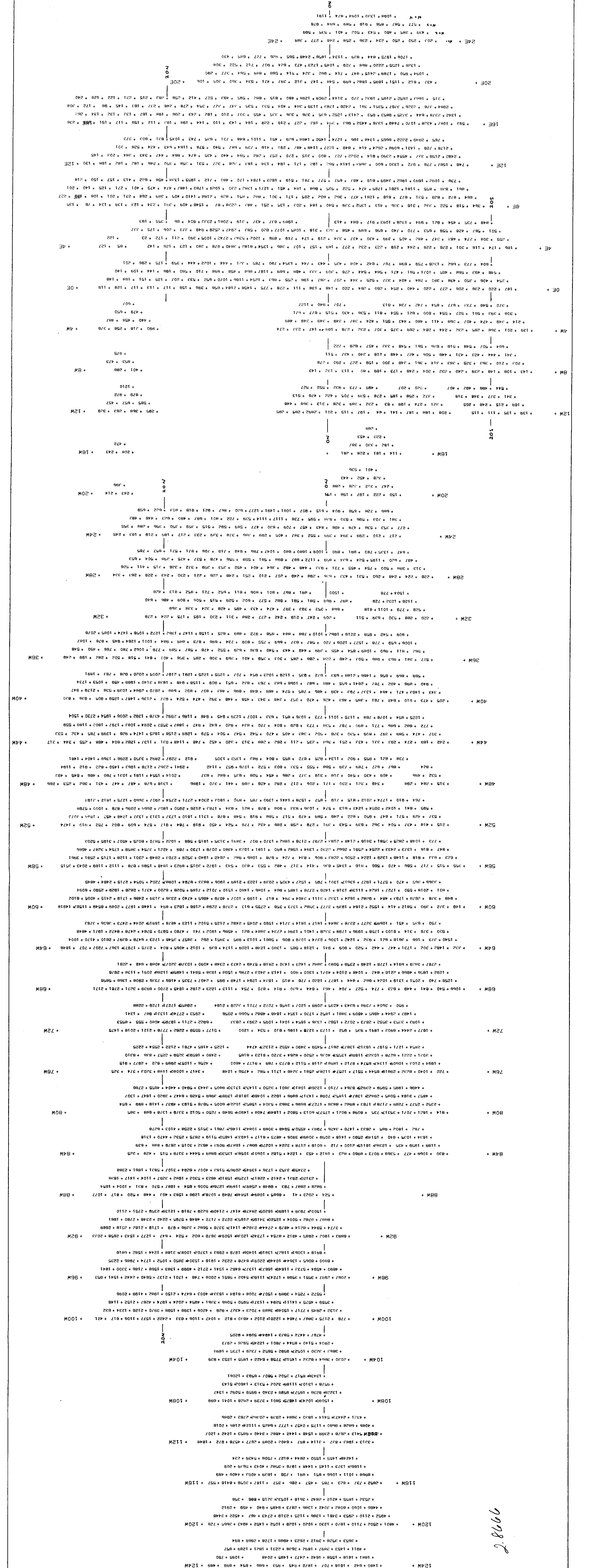
N: 1 A: 200'

DATE	DR. MAN.	CHECKED	REVIEWED	N.T.S.	FILE	MAP
JUNE 85	HP5585				117	2

LEGEND
 + SURFACE PROJECTION OF ANOMALOUS ZONE
 □ CLAIM POST

280666

280666

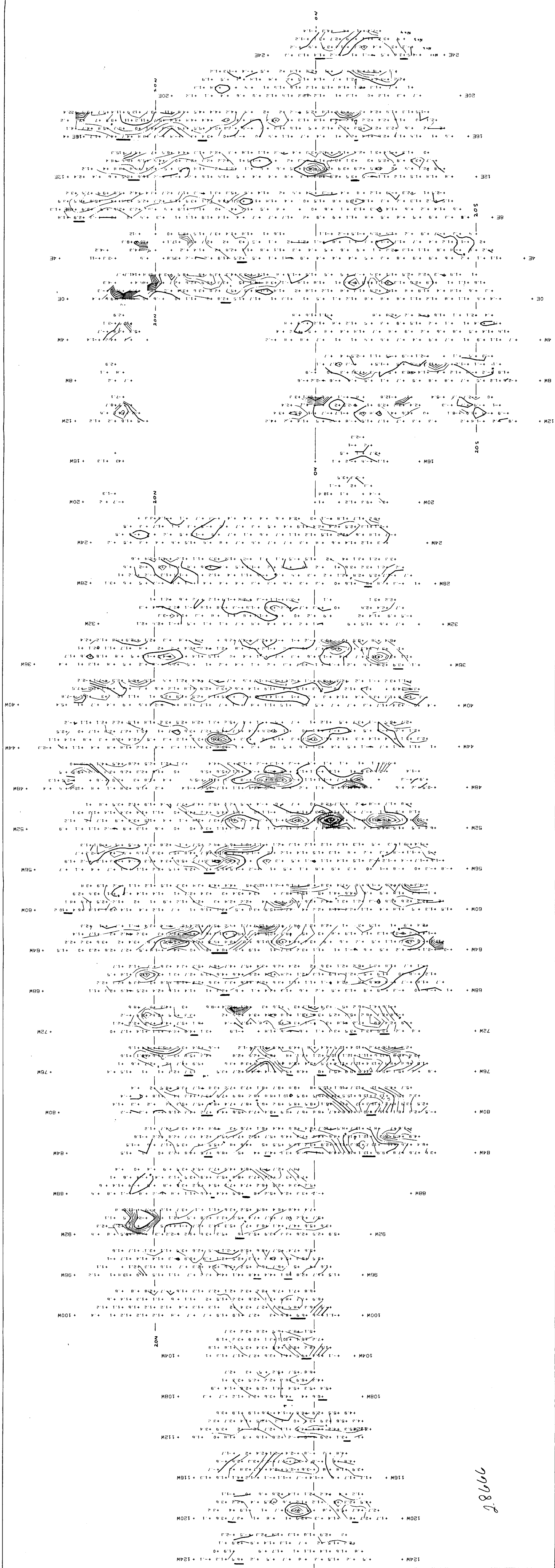


UTAH MINES LTD
Exploration Dept.
Toronto : CANADA

BRISTOL PROJECT IP
Dp-Dp RESISTIVITY (Ohm-M)
A-200' N=1 to 4
(Map Not to Scale)

DATE	BY	CHECKED	APPROVED
11/17/77	J.R.		
11/17/77	J.R.		
11/17/77	J.R.		
11/17/77	J.R.		

2.8666



2866



240

UTAH MINES LTD
Exploration Dept.
Toronto, CANADA

BRISTOL PROJECT IP

IPR11 MB chargeability (M/V)

R-200' N=1 TO 4

(Map not to scale)

Scale	1:50,000
Projection	UTM
Zone	18N
Datum	NAD 83
Units	Meters
Sheet No.	1102/18
Project No.	IPR11
Revision	1
Date	1998