6942

CRAIGMONT MINES LIMITED

GEOPHYSICAL REPORT OF A MAGNETOMETER SURVEY AND A PULSE ELECTROMAGNETIC SURVEY ON THE ORANGE GROUP OF MINERAL CLAIMS

Nicola Mining Division

NTS Sheet 92 I/2

N 50°12' E 120°53'

Owned And Operated By

CRAIGMONT MINES LIMITED

Report Prepared By:

G.R. Sanford - Craigmont Mine Geologist

L.W. Freeman - Chief Geophysicist, Placer Development

5 October 1978

GEOPHYSICAL REPORT OF A MAGNETOMETER SURVEY AND A PULSE ELECTROMAGNETIC SURVEY ON THE ORANGE GROUP OF MINERAL CLAIMS

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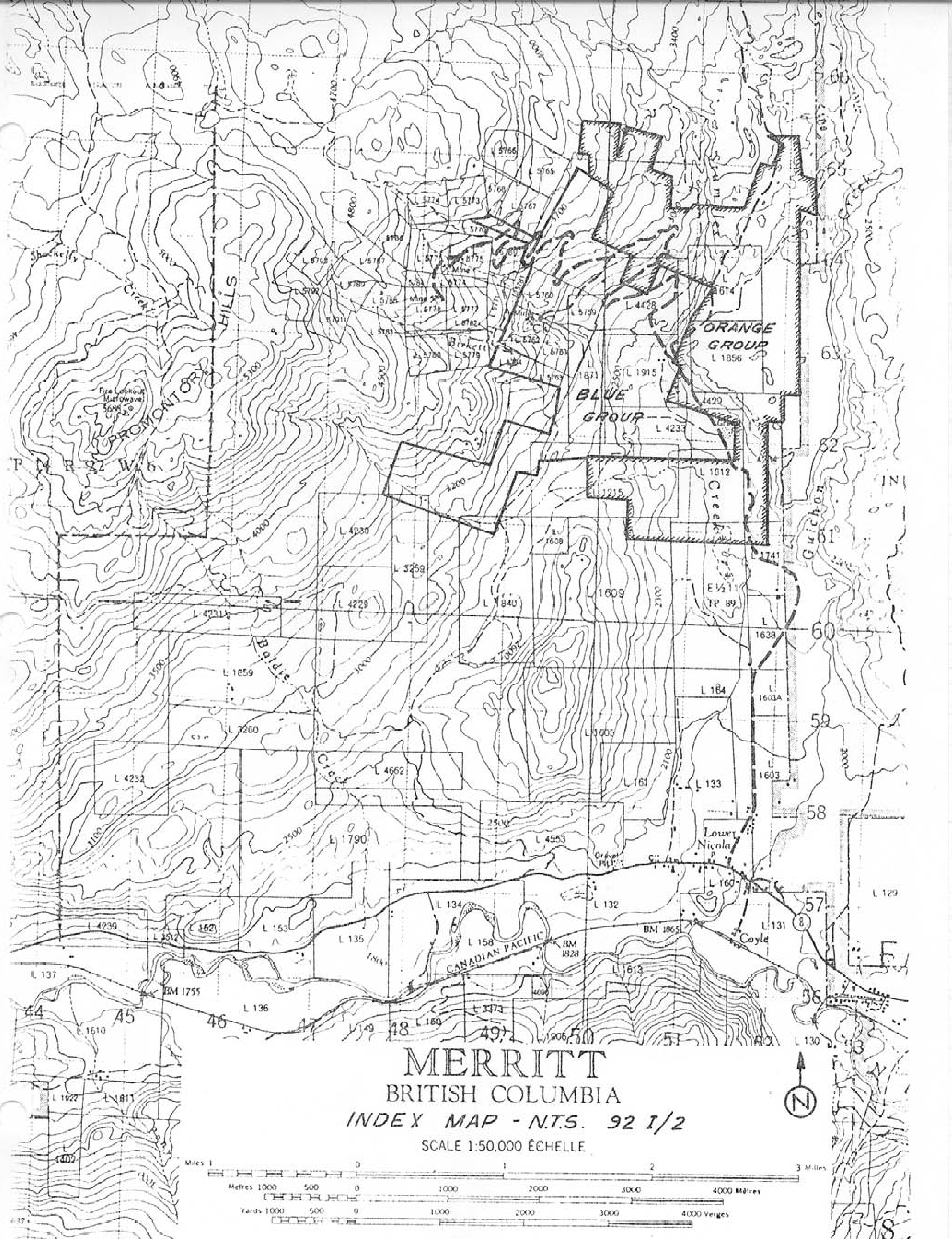
MERRITT
BRITISH COLUMBIA
INDEX MAP - N.T.S. 92 I/2
SCALE 1:50,000 ÉCHELLE
Miles 1
0
1
2
3 Miles
Metres 1000
500
0
1000
2000
3000
4000 Mètres
Yards 1000
500
0
1000
2000
3000
4000 Verges
N
ORANGE GROUP
BLUE GROUP
PROMONTORY HILLS
Fire Lookout Microwave
Shackelly Creek
Birkett Creek
Baldie Creek
Guichon Creek
Lower Nicola
Coyle
CANADIAN PACIFIC
Gravel Pit
BM 1755
BM 1828
BM 1865
L 1856
L 4428
L 1915
L 4233
L 1612
L 1215
L 4230
L 3259
L 4229
L 4231
L 1840
L 1609
L 1859
L 3260
L 4232
L 4662
L 1605
L 161
L 133
L 1790
L 4553
L 160
L 134
L 132
L 131
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L 153
L 158
L 136
L 137
L 4239
L 1613
L 1638
L 164
L 1603
L 1741
L 1610
L 1922
L 1811
L 130
L 129
E ½ 11
TP 89

GEOPHYSICAL REPORT OF A MAGNETOMETER SURVEY AND A PULSE ELECTROMAGNETIC SURVEY ON THE ORANGE GROUP OF MINERAL CLAIMS

INTRODUCTION

Location and Access

The Orange group of mineral claims lies just east of the mill and office site of Craigmont Mines Limited. The southern portion of the group covers the southern half of Craigmont's tailings pond. Stumbles Creek flows southerly through the northern half of the group.

Aberdeen Road from Lower Nicola provides paved access to the Craigmont mill site. A gravel road leading to Craigmont's open pit and a gravel road to Chataway Lake provides the main access to the group, with numerous smaller roads and trails giving easy access with four-wheel drive.

Topography

The north western portion of the Orange group lies on a southerly facing slope at elevations ranging from 1100m to 700m at the base. Flat gravel terraces near 750m elevation occupy the eastern half of the group. Stumbles Creek has cut a locally rugged channel to a depth of 50 meters into this terrace.

The present survey was carried out over the above terraces and the gradual upslope extent to 950 meters elevation. Stumbles Creek generally marked the western limit of the survey. Kettles and glacial erosional channels are very common throughout the survey area.

Property Description

The claims in this group are owned and operated by Craigmont Mines Limited. The SSP claims were optioned from G. Cressy of Merritt in 1977, and the ETTA, HAZEL, CHIP and SANDY claims from Noranda Exploration Company in 1978. The rest of the claims have belonged to Craigmont for the last twenty years.

Most of Craigmont's original claims were surveyed by a B.C. Land Surveyor. Noranda located their claims by compass and chain, and during this program, Craigmont crews surveyed selected posts by stadia. A transit and chain survey by Craigmont located the SSP 1 & 2 legal corner posts.

The claim area is of interest to Craigmont as it is on strike some 2 - 4 kilometers easterly from the Craigmont ore bodies and it was felt that this area was worthy of additional work. The area of specific interest in this study was the contact aureole strip along the southern edge of the Guichon Batholith where the Nicola rocks had been intruded. Craigmont has done significant

diamond drilling to the west of the present work area. (See Craigmont Mines Limited, Geological Report of Diamond Drilling on The Orange and Blue Groups of Mineral Claims, Assessment Report dated 17 May 1978).

Summary of Work Done

Base Line Survey	
Stadia Control	2.3 km.
Grid Establishment	
Picket or Compass Line	18.9 km.
Magnetometer Survey	
Vertical Field Fluxgate	20.3 km.
Pulse Electromagnetic Survey	
Contract	12.4 km.

List of Claims

Work was actually performed on Quartzite 6, B2 Fraction, HAZEL 2, 4,5,6, SANDY 3,4, CHIP 8, SSP1 and SSP2. Some work was done on ETTA 1 and 2 which are not within the group. Work done on the Quartzite 6 was not reported within the assessment year. Portions of the surveys were over unstaked ground. All work done is reported on, but the areas indicated above were proportionally removed from assessment costs. Work done on open ground within 150 metres of claim boundaries was included as an assessment cost.

All claims within the Orange Group except the SSP1 and SSP2 have the maximum of ten years work already applied. The present work will be applied to SSP1 and SSP2.

DETAILED TECHNICAL DATA AND INTERPRETATION

Geological Setting

The Promontory Hill area is a complex north westerly trending, steeply dipping volcanogenic pile of Triassic Nicola Group rocks, bounded to the west and south by the Nicola River, east by the Guichon Creek Valley and north by the Jurassic Guichon Batholith. This area of some 7000 hectares containing sequences of andesites, dacites and volcanogenic greywackes, all with interbedded limy/ limestone horizons is intruded by the multistage Guichon Batholith and several small, complex intrusions. One of the limestone bands, in proximity to a small intrusion and well within the contact aureole of the Guichon Batholith becomes the host rock for the Craigmont skarn deposit.

Nearly 20% of the Promontory Hill area is covered by a veneer of Cretaceous Kingsvale Group agglomerate and flow rocks up to + 200 metres thick. These volcanic rocks cover the eastern portions of the area, and masked portions of the Craigmont orebody.

The geology and origin of the Craigmont deposit is very complex, is still incompletely understood, and is open to considerable discussion. However, the orebodies appear to lie within a limestone/limy horizon between a southern dacite - northern volcano-clastic sediment (greywacke) contact.

The main exploration technique has been to investigate the mine limestone and other limestones in the areas which appear favourable, especially those within the contact aureole strip of the Batholith (+ 800 metres south), and near the small intrusive plugs. These plugs may be fingers from the batholith or synvolcanic feeders to the Nicola Group.

The northern half of the Orange group covers either Guichon Batholith rocks or the intruded Nicola rocks along its southern edge. The batholith contact trends east-west from Craigmont's open pit and curves to the north-east at the Eric shaft, a 6 metre shaft driven in the late thirties (See Dwg. GE-D-47).

Outcrops of batholith rocks are relatively common up slope from the Eric area. The only known outcrops of Nicola rocks are within a thirty metre radius of the Eric shaft. The rest of the claim group is buried under extensive gravel overburden. Coldwater sediments (Miocene) and Kingsvale volcanics (Cretaceous) undoubtedly underlie portions of the claim group (see previously mentioned Assessment Report dated 17 May 1978).

Purpose of Surveys

General geophysical surveys had been done over portions of the presently surveyed area during the last twenty years by many companies. Part of the present work involved a compilation and study of this data. Seismic surveys, various magnetic surveys, both ground and airborne, induced polarization surveys and limited diamond drill data was studied. This information, combined with the data acquired during the present surveys was all used in the formulation of geological and geophysical interpretations.

A. Grid Preparation

Control for the survey grid was based on a transit and stadia baseline running N50^{O}E, originating near the Eric shaft. This line ran parallel to the expected batholith edge for 2300m. Cross lines, at right angles to the expected strike of the batholith edge were placed at 150m (500 foot) intervals. These crosslines generally ran 600m (2,000 feet) northwest and 900m (3,000 feet) south-east from the baseline, and were marked at 30m (100 foot) intervals. These crosslines were located using either a chained picket line (almost all southeast lines) or a hipchain and compass line (almost all northwest lines). See Dwg. GE-0-47.

The locations of the cross lines were checked by hipchain and compass traverses parallel to the base line at selected intervals and were found to be satisfactory for the purposes required.

B. Stadia Surveys

Selected claim posts, drill hole collars and Lot corner pins were located and surveyed by stadia and transit. This provided control for comparison of various sets of previously obtained data and also for exact locations of optioned claims. See Dwg. GE-D-47.

C. Magnetometer Survey

The magnetometer survey was done with a Scintrex Model MF-2 Fluxgate Magnetometer, Serial No. 002188. This is a vertical field magnetometer and measures relative differences in magnetic intensity at scales ranging from 1000 to 100,000 gammas at full scale deflection. At 1000 scale, the accuracy would be ± 10 gammas. Most of this survey was done at 1000 scale.

A base station was established near the collar of drill hole S-106 (See Dwg. GE-D-47). Readings were taken here prior to starting surveys, at noon, and when finished each day and were taken in the four cardinal directions and then averaged. The base station had an established value of 600 gammas and all survey results were first corrected to this common base and then corrected for the diurnal variation. In general, the diurnal correction was often not necessary. Any corrections required for base or diurnal variation were made to the nearest 5 gammas.

Along grid lines, single readings were taken at 15m (50 foot)

centers, paced between the 30m (100 foot) pickets. Random spot readings at a later date indicated the data to be quite reproducible. Raw data, corrected to the base station and for diurnal variation is plotted on Dwg. GE-E-50A.

Early in the survey, it was evident that local topography affected the magnetic readings. Presumably, sorting of the glacial gravels had occured and a magnetic rich layer overlay a magnetic poor layer. Where the gravels were cut by runoff channels, this layering became very evident as alternating high and low readings (up to several hundred gammas difference between adjacent stations).

Knowing that the overburden depth was excessive (in excess of 60 metres), the plotting of magnetic profiles indicated that indeed overburden anomalies were being superimposed on bedrock anomalies. Various smoothing techniques were experimented with, and it was found that for dike-like anomalies less than 125 feet/38m deep, a six-point boxcar filter would eliminate or greatly reduce the anomaly. At a depth of 250 feet/76m, only the peak of such an anomaly would be distorted and the main character retained. The profile of Line 55 SE and 55 NW (Figures A & B) are presented as examples.

All raw data was thus filtered:

$$\frac{\Sigma \text{ POINTS } 1 - 6}{6} = \text{Plotted between station 3 and 4}$$

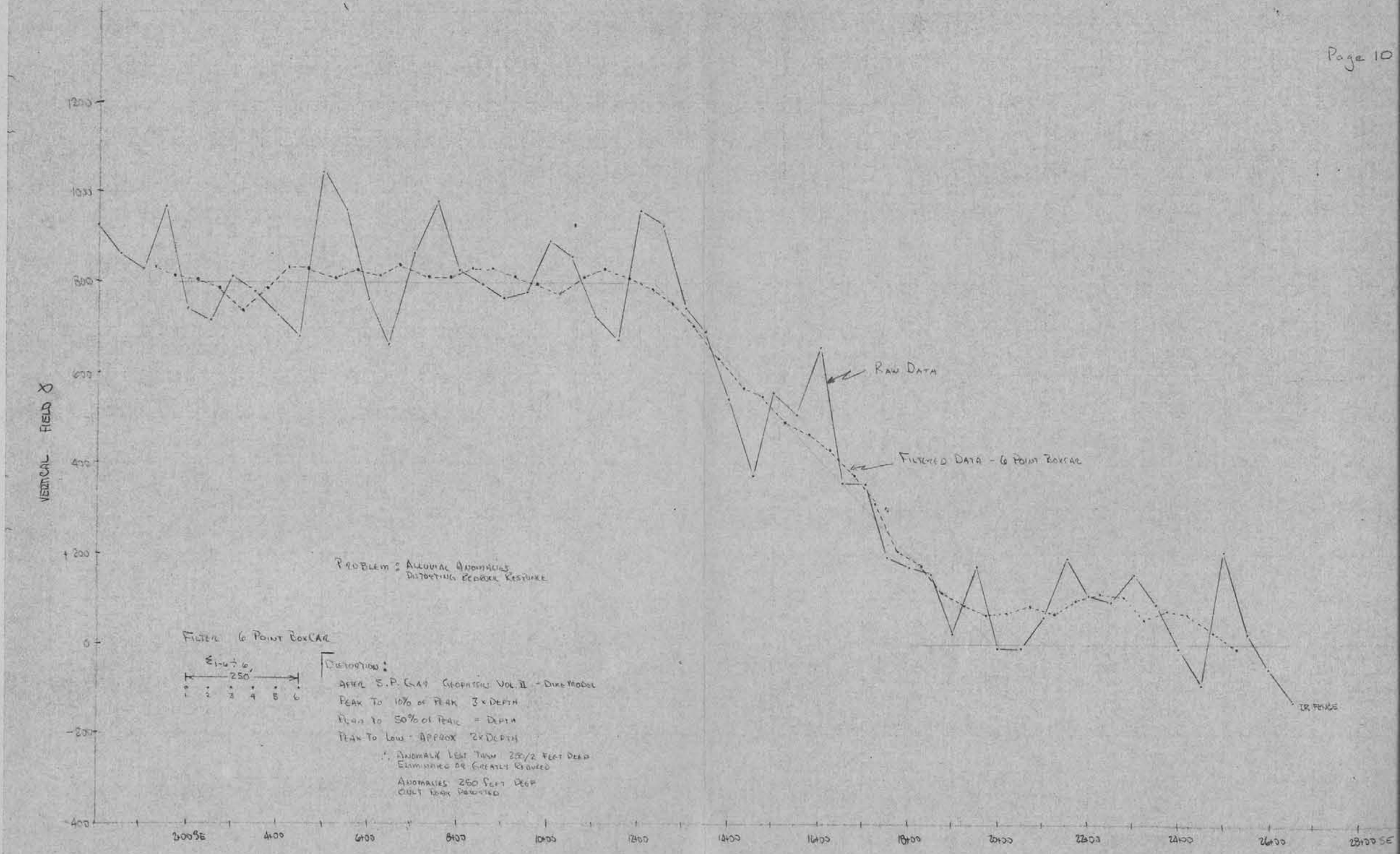
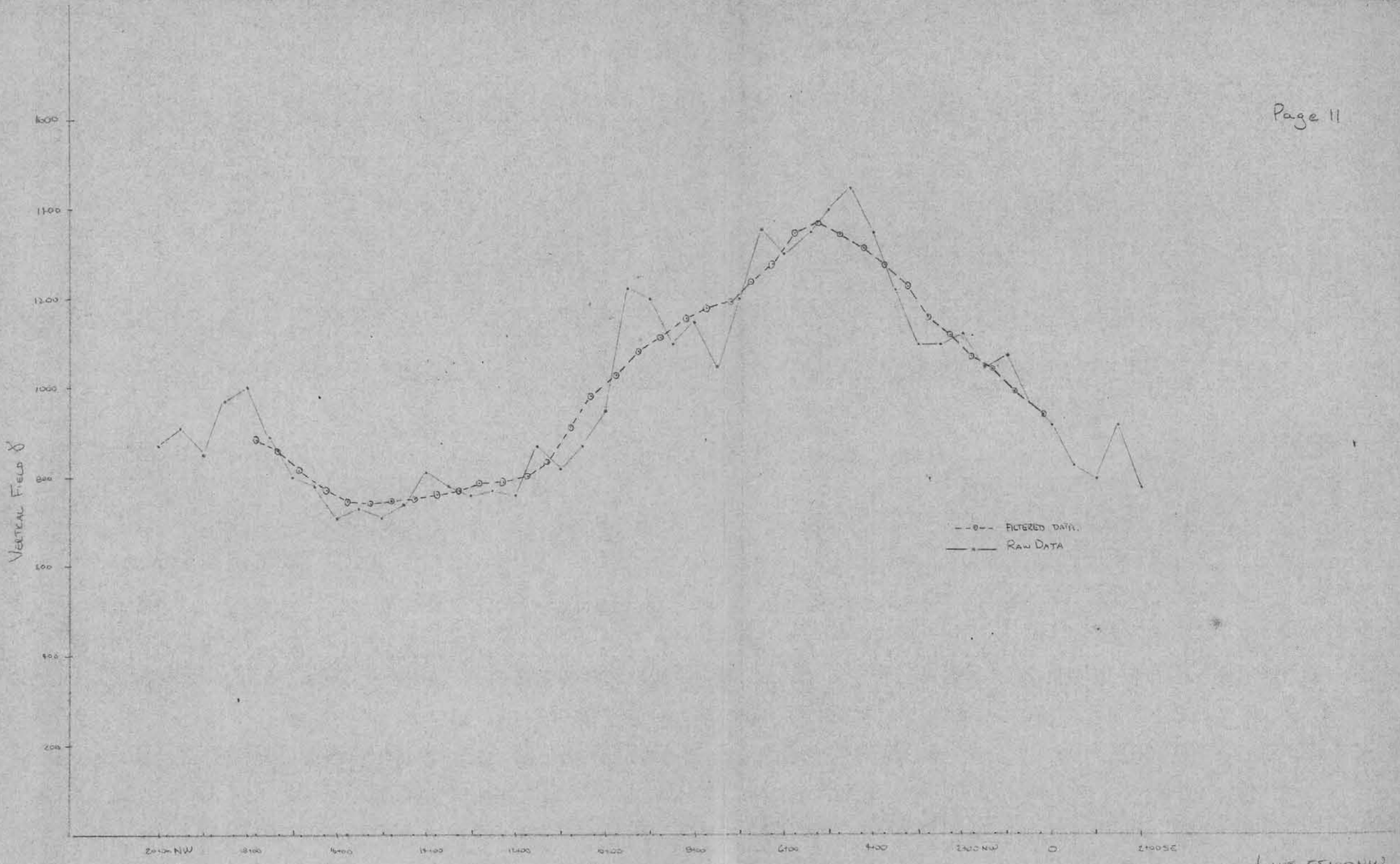


FIGURE A

LINE 55400 SE
MAG. PROFILE (MF-2)
1 INCH = 200FT = 200γ
JAN. 1978 DD.



LINE 55+00 NW
MAG PROFILE
1"=200' F 200 γ

FIGURE B GRS MFL 15EPT 1978

The filtered data was then plotted, Dwg. GE-E-50B, and contoured, Dwg. GE-E-50C.

It must be stressed that this filter technique is useful for this specific problem. Data taken at greater or lesser spacings would require a different boxcar.

D. Pulse Electromagnetometer Survey

Knowing that the area of interest was covered by 50 - 100 metres plus of glacial gravels, any geophysical surveys conducted in this area would of necessity need to be capable of deep penetration. The relatively new technique of pulse electromagnetic(PEM) surveying appeared to be the best alternative for regional surveying/deep penetration and would hopefully aid in determining basement structures.

The survey was carried out over the existing grid. Readings were taken at 100 foot/30m intervals along the northwest-southeast gridlines at 500 foot/150m centers. Only three northwest lines were surveyed: Line 5 from 3N to 14N (300 to 1400 feet north) and Lines 25 and 30 from 0 - 20N. Line 5 extended over outcrops and provided control for correlations in non outcrop areas. All southern lines from 5 - 55 were surveyed to 20S. Lines 5 and 30 were extended to 38S. Approximately 20% of the survey was double covered.

The theory covering PEM surveying and the description of the contractor's equipment and techniques is attached as Appendix I. The instrument

used was a Crone Pulse EM unit. The locations of the various transmit loops are shown on Dwg. GE-E-500).

During this survey, the vector type pulse EM technique was used. At each station the magnitude of the vertical and then the horizontal component of the secondary field was measured in millivolts for successive channels. From these two values, the angle of the resultant vector pointing along the secondary field is calculated. A right angle to this vector points to the secondary source.

In resistive ground, normally only channels 1 and 2 can be measured. In moderately conductive ground 4 to 5 channels can be sampled. Over much of the surveyed area, 8 channels could be measured, indicating high conductivities.

The resulting data is plotted and presented as profiles, looking northeast along individual lines. These profiles show the right angles to the resultant vector, pointing in the direction of the secondary source. Only two channels are shown on each profile to minimize confusion, and only channels 1 to 6 were plotted. These profiles (Figures 1a, b, c to 19a, b, c) are attached in Pocket III.

Interpretations

A. Magnetometer Survey

The intense magnetic high along lines 5 to 15 south is explained by the magnetic siltstone encountered in Hole S-106 (see previously mentioned Assessment Report dated 17 May 1978). The abrupt

termination between lines 15 and 20 is probably explained by down faulting, and is reflected by the present location of Stumbles Creek.

The high in the northeastern portion of the map indicates magnetic border phase Guichon Batholith intrusive underlying the gravels. Noranda drill hole NW-6 (vertical, 44.2 metres overburden and 18.6 metres bedrock) probed this high in 1959. The bedrock encountered was a dark medium grained diorite containing fine grained magnetite.

The broad lows across the southern edges reflect topography as they coincide with a 30 metre terrace edge. The only unexplained anomaly is the low centered at the baseline and along fill in line 37 + 50 NW. This low represents a deficiency in magnetic iron normal to the batholith contact. This low may represent a zone of alteration or a magnetite poor intrusion. The position of the anomaly on the ground tends to rule out a simple topographic relationship. At present, resolution of this anomaly is uncertain, but drilling is being considered.

B. Pulse Electromagnetometer Survey

Prominent PEM anomalies are noted on all lines traversing deep overburden and apparently centered at depths from 200 to 300 metres. Experimentation quickly showed that the vector intersections could be moved at will depending on the location of the primary field and an explanation was required.

The conventional interpretation of PEM data seeks vector intersections which are interpreted as line sources from tabular conductors, and the depth of these intersections is interpreted as the true depth of the source. If the environment is highly conductive, such as the area surveyed, the vectors will rotate as a function of distance from the loop. This rotation as a function of source/receiver separation does not imply converging vectors, hence the obtained data cannot be used to measure source depths.

The proposed model for the surveyed area is now a flat lying conductive sheet. The most reasonable explanation for this conductivity is salt rich waters which may be connate or as ground water in alluvium and/or bedrock. Cattle can be observed licking glacial silts and clays along nearby road cuts, generally in the vicinity of surface resitivities measuring 10 - 30 ohm-metres, implying a high salt content in areas of the alluvium. From earlier seismic and induced polarization work, it can be shown that this conductive environment lies well below the water table (approximately 30 metres deep) in most instances, probably at a depth of 90 - 120 metres.

This conductor completely masked any hoped for bedrock variations. Previous seismic and IP work is ambiguous enough that a definitive depth to bedrock or bedrock characteristics cannot be obtained.

CONCLUSIONS

The resolution of the magnetic low is uncertain. All other magnetic features can be satisfactorily explained. The unexplained low could be either a magnetite deficient igneous rock in the batholith margin or an alteration zone where magnetite has been converted to hematite. The size and intensity of this low is consistent with lows marking hydrothermal alteration accompanying base metal deposits.

The PEM responses were completely dominated by a flat lying conductive sheet at a depth of 100 metres in post Nicola conductive sediments. As the PEM responses were totally dominated by this sheet, the survey method could not be used to eliminate or promote potential exploration targets on this ground.

Respectfully submitted,

G.R. Sanford
Senior Mine Geologist

GRS/cc
Encl.

Itemized Cost Statement

A. Wages

1. Base Line Survey

May 15 - 30, 1978, 5 days in period, transit and stadia survey, 2286 metres, two man crew @ $165/day G. McKenna, B. Carr, G. McKenna	$ 825.00

2. Grid Preparation

G. Sanford: 22, 23 August; 11, 12, 18 September, 1978. 5 days @ $110/day Compass and hipchain	550.00
D. Dergousoff: 2 August 1978. 1 day @ $95/day Compass and hipchain	95.00
D. Caillet, F. Moses: 6 - 12 June 1978 6 days @ $140/day Chained picket line	840.00
Total of 18,852 metres of grid	1,485.00

3. Magnetometer Survey

G. Sanford: 25 August; 1 September 1978 2 days @ $110/day	220.00
D. Dergousoff: 3 August; 11, 12, 13, 18 September 1978. 5 days @ $95/day	475.00
D. Caillet: 15, 16 June 1978 2 days @ $70/day	140.00
Vertical field fluxgate, total of 20,300 metres surveyed	835.00

4. Miscellaneous Stadia Survey

Survey of claim posts, drill holes, lot corner pins	
1 September - 30 September, 4 days in period 2 man crew @ $165/day G. McKenna, G. McKenna, D. Dergousoff	660.00

B. Contract Services

Pulse EM Survey

Glen E. White, Geophysical Consulting and Services Ltd., Richmond, B.C.

9 - 16 June 1978, 8 days @ $375.50/day 12,436 metres surveyed	$3,004.00
Data plotting by Glen E. White	1,452.00
Total:	$4,456.00

C. Transportation

Ford 4 X 4 pick-up/Bronco/Blazer usage during period 15 May - 30 September 1978. 30 days @ $25/day	750.00

D. Instrument Rental

Scintrex Vertical Field Fluxgate Magnetometer, Model MF2	50.00

E. Supervision

G.R. Sanford, L.W. Freeman over period	800.00

F. Report Preparation, Data Plotting Etc.

G.R. Sanford, L.W. Freeman 6 days @ $150/day	900.00

TOTAL EXPENSE	$10,761.00

Portions of work done outside group boundary/past due date/ over open ground.

1. Base Line Survey	
0 - 457 metres not allowable 457/2286 X $825.00	$ 165.00
2. Grid Preparation	
7239 metres not allowable 7239/18,852 X $1,485.00	570.00
3. Magnetometer Survey	
7239 metres not allowable 7239/20,300 X $835.00	298.00
4. Contract Pulse EM Survey	
1707 metres not allowable 1707/12,436 X $3,004.00	412.00
5. Transportation	
Estimate	91.00
TOTAL DEDUCTIONS	$1,536.00

As all data is presented, it is felt that a deduction for contractors data plotting and other minor deductions are not warranted.

Therefore,	TOTAL ALLOWABLE EXPENSE	$9,225.00

STATEMENT OF QUALIFICATIONS

I, Gerald R. Sanford, of 1901 Parker Drive, Merritt, B.C. state that:

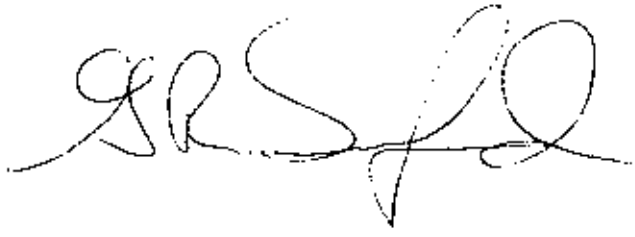
1. I graduated from the University of British Columbia in 1969, obtaining a Bachelor of Applied Science Degree in Geological Engineering.

2. I am registered as an Engineer in Training with the Association of Professional Engineers of British Columbia.

3. I have been continuously employed in the mining industry since graduation from University.

4. I am currently employed by Craigmont Mines Limited as the Senior Mine Geologist at the Merritt mine site.

5. Throughout this investigation, L.W. Freeman, Chief Geophysicist for Placer Development, provided onsite supervision or direction. Most of the interpretations and conclusions are his.



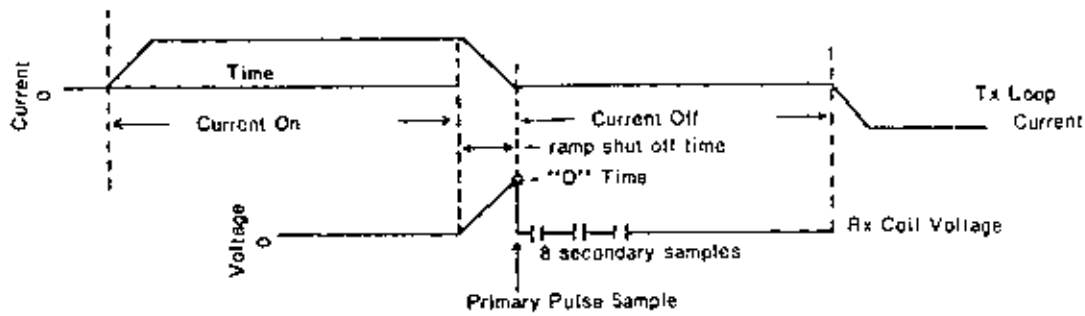
G.R. Sanford

Senior Mine Geologist

APPENDIX I

CONTRACTORS STATEMENT OF THEORY AND EQUIPMENT SPECIFICATIONS

PEM SPECIFICATIONS



Current Off time: 9.4 ms
Current on time: 10.8 ms
Current shut off (ramp) time: 1.4 ms
Sample times (zero to centre of sample): .15ms, .45ms, .85ms, 1.45ms, 2.45ms, 3.75ms, 5.85ms, 8.85ms.

Sample width: 100 μs
Zero time set at drop off point of primary pulse

TRANSMITTER – Transmitter power and loop size may be increased to obtain increased penetration. Weight, portability and power capabilities of the control instrument are the limiting factors. The standard transmitter is designed to be carried by two men.

Loop diameter	– minimum 4 meters (13 feet)
Loop current	– 15 to 20 amps
Loop applied voltage	– 24 volts
Loop output	– minimum 4500 amps x meter ^{2}
Loop weight	– 11.8 kilos (26 lb)
Control unit weight	– 10 kilos (22 lb)
Control unit dimensions	– 20.5cm x 25.5cm x 36.5cm (8" x 10" x 14.5")
Battery supply weight	– 18.1 kilos (40 lb)
Battery supply	– 2 of 12 volt, 14 to 20 ampere hour

Timing control by radio synchronization

RECEIVER

- Receive coil dimensions: 55cm x 15cm (22" x 6")
- Receive coil weight: 4.5 kilos (10 lb)
- Preamplifier in coil
- Preamplifier batteries: 2 of 9 volt
- Receive coil tripod mounted
- Receiver measuring instrument dimensions: 28cm x 18cm x 21.5cm (11" x 7" x 9")
- Receiver measuring instrument weight: 6.3 kilos (14 lb)
- Timing control by radio synchronization
- Primary sample width: 100 μs
- Primary sample can be swept through primary pulse by means of a time calibrated pot
- Zero time set at primary pulse drop-off
- Secondary samples (eight of them) width: 100 μs
- Secondary samples time (zero to middle of sample): (1) .15ms (2) .45ms (3) .85ms (4) 1.45ms (5) 2.45ms (6) 3.75ms (7) 5.85ms (8) 8.85ms
- Automatic sampling for 5 seconds then all samples automatically stored
- Sample read out by means of meter
- Continuous sampling possible by switching function switch to "Continuous"
- Noise can be monitored by switching function switch to "Noise"
- Battery supply: 24 volt rechargeable, 2 of 12 volt Gel GC 12-15

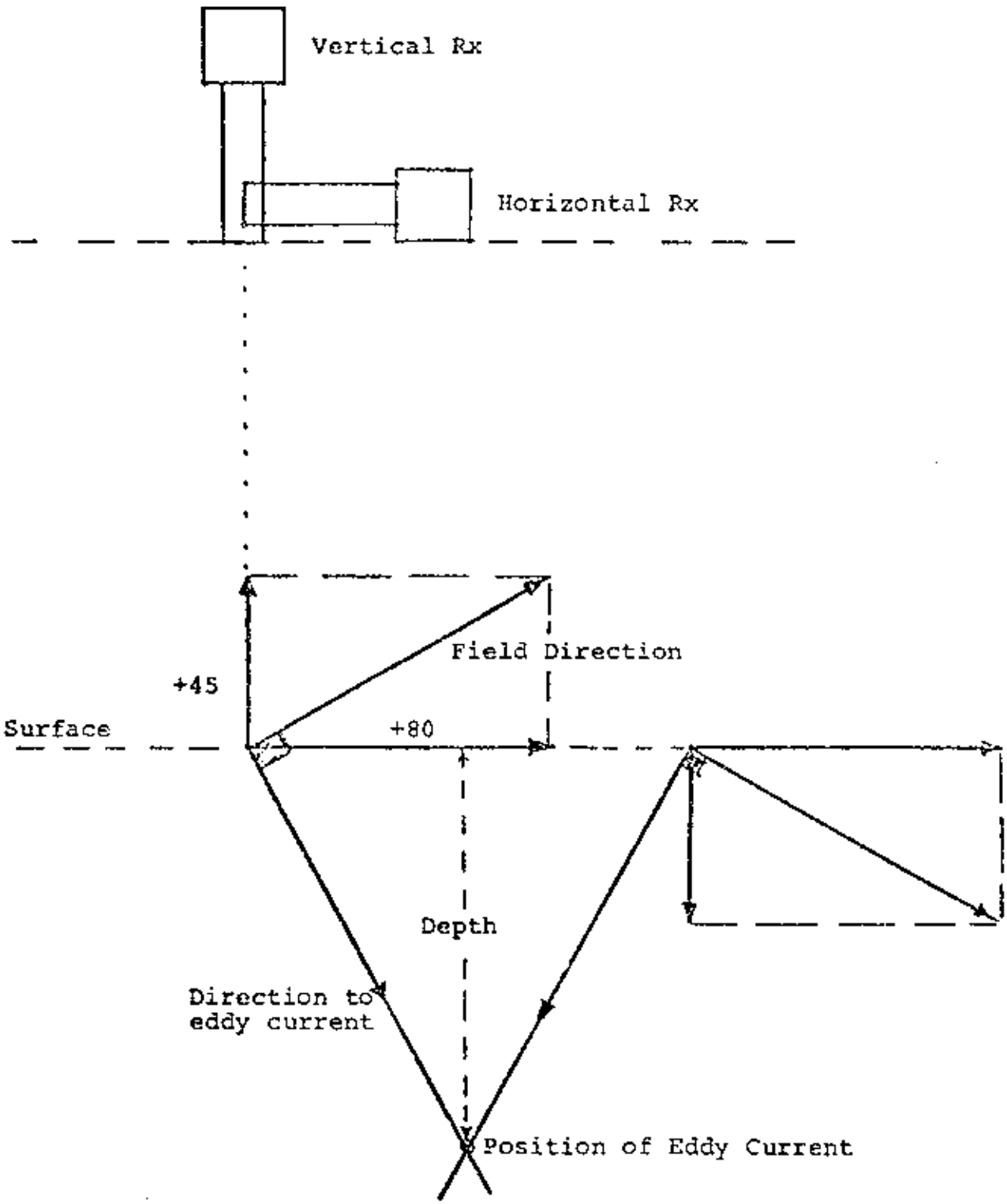
Pulse Electromagnetometer Survey

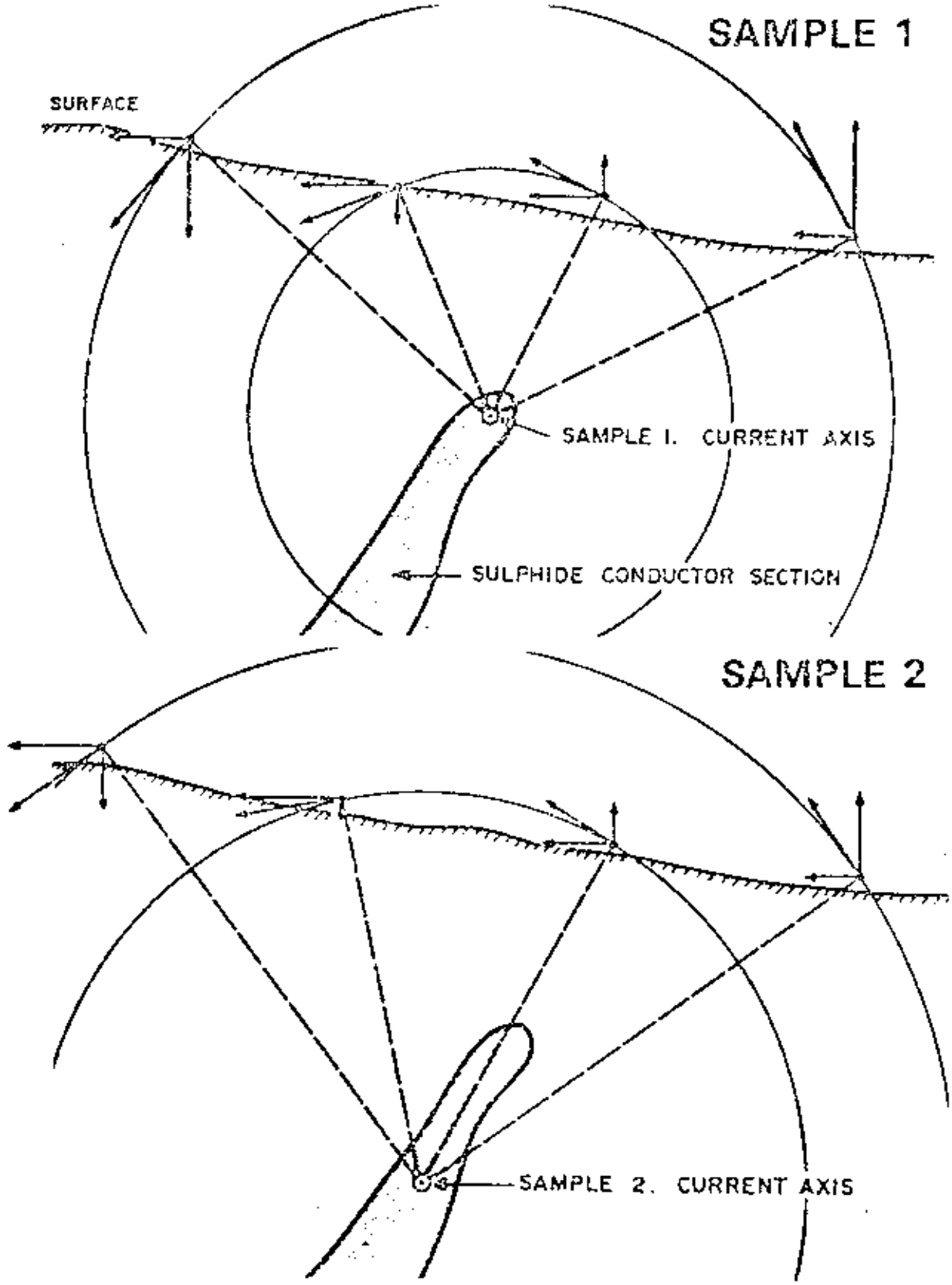
The pulse electromagnetometer system is a time domain E.M. system which can be used in the standard horizontal loop mode or deep penetrating vector mode.

The primary field for the horizontal loop survey is obtained from a transmit loop 6 meters in diameter laid out horizontally on the ground and energized by a pulse of 20 amps at 24 volts with an on-off time of 10.8 ms. The receive coil is generally spaced 25 - 100 meters from the transmit loop. Both are moved simultaneously from station to station. The secondary field signal on the receive coil is sampled and averaged for 10 seconds and then stored for read-out. Eight samples of the secondary field are obtained with increasing window widths during the primary field off time. Time synchronization is by radio link or cable.

The eight channels of secondary field information are equivalent to a wide spectrum of frequencies from approximately $2KH_z$ to $16H_z$ which allows for determination of overburden effects and penetration of conductive overburden. Since the secondary field is measured directly during the primary field off time, the pulse method is relatively free of geometrical restrictions between the transmit and receive coil positions, such as topography interference and coil alignment.

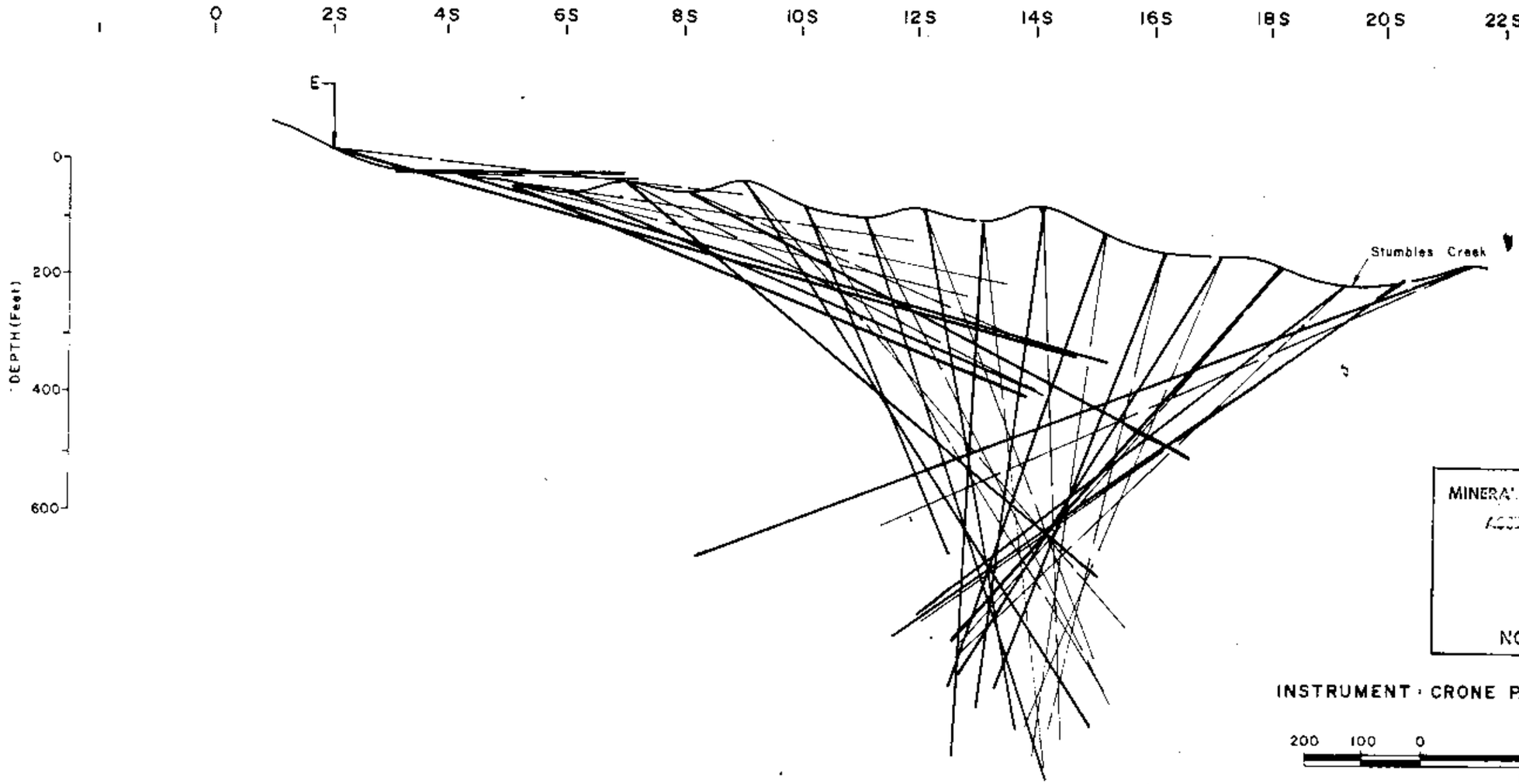
The primary field for the vector EM technique is obtained from a small turam type loop of 132 m (500 ft.) per side which is energized with a current of some 25 amps at 24 volts. A scalar vector is obtained by determining the horizontal and vertical components of the secondary field. A right angle to this resultant vector points to the eddy current position. See Appendix for diagrams.


Vertical Rx
Horizontal Rx
Field Direction
+45
Surface
+80
Depth
Direction to
eddy current
Position of Eddy Current



Location of the Current Path in the Conductor

Glen E. White GEOPHYSICAL CONSULTING & SERVICES LTD.



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6942

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5
CHANNEL 2 —— —— CHANNEL 6
CHANNEL 3 CHANNEL 7
CHANNEL 4 CHANNEL 8

To Accompany Geophysical Report on
THE NORANDA CRESSY PROJECT
Date .....
By GLEN E WHITE B.Sc. ..... GEOPHYSICIST

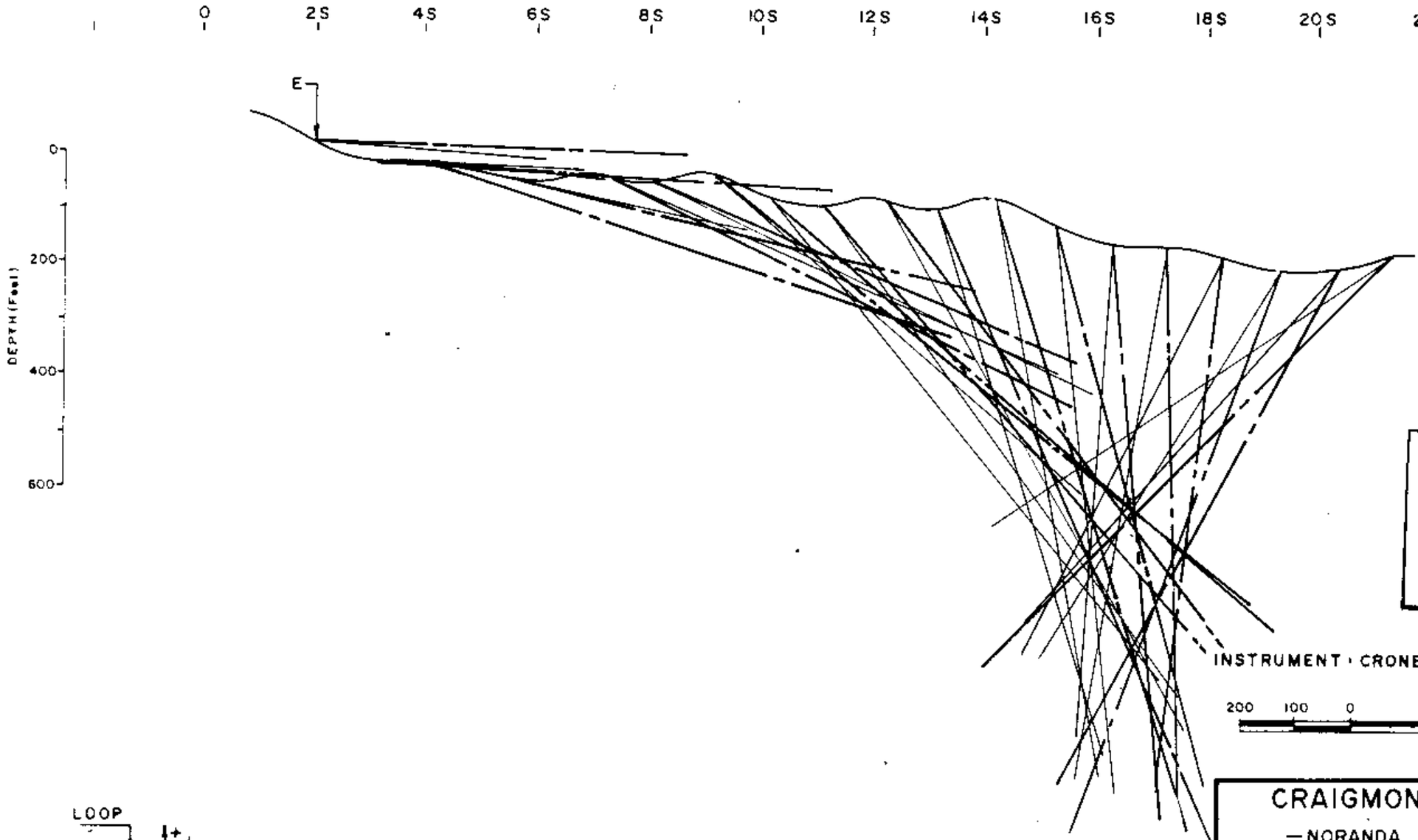
CRAIGMONT MINES LTD.

— NORANDA CRESSY PROJECT —

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 5+00 E

Glen E. White
geophysical consulting
&
services ltd.

INTERPRETED BY : G.E.W.
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG. No. : 1A



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6942

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1	CHANNEL 5
CHANNEL 2	CHANNEL 6
CHANNEL 3 ———	CHANNEL 7
CHANNEL 4 — — —	CHANNEL 8

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By GLEN E WHITE - B.Sc. ..... GEOPHYSICIST

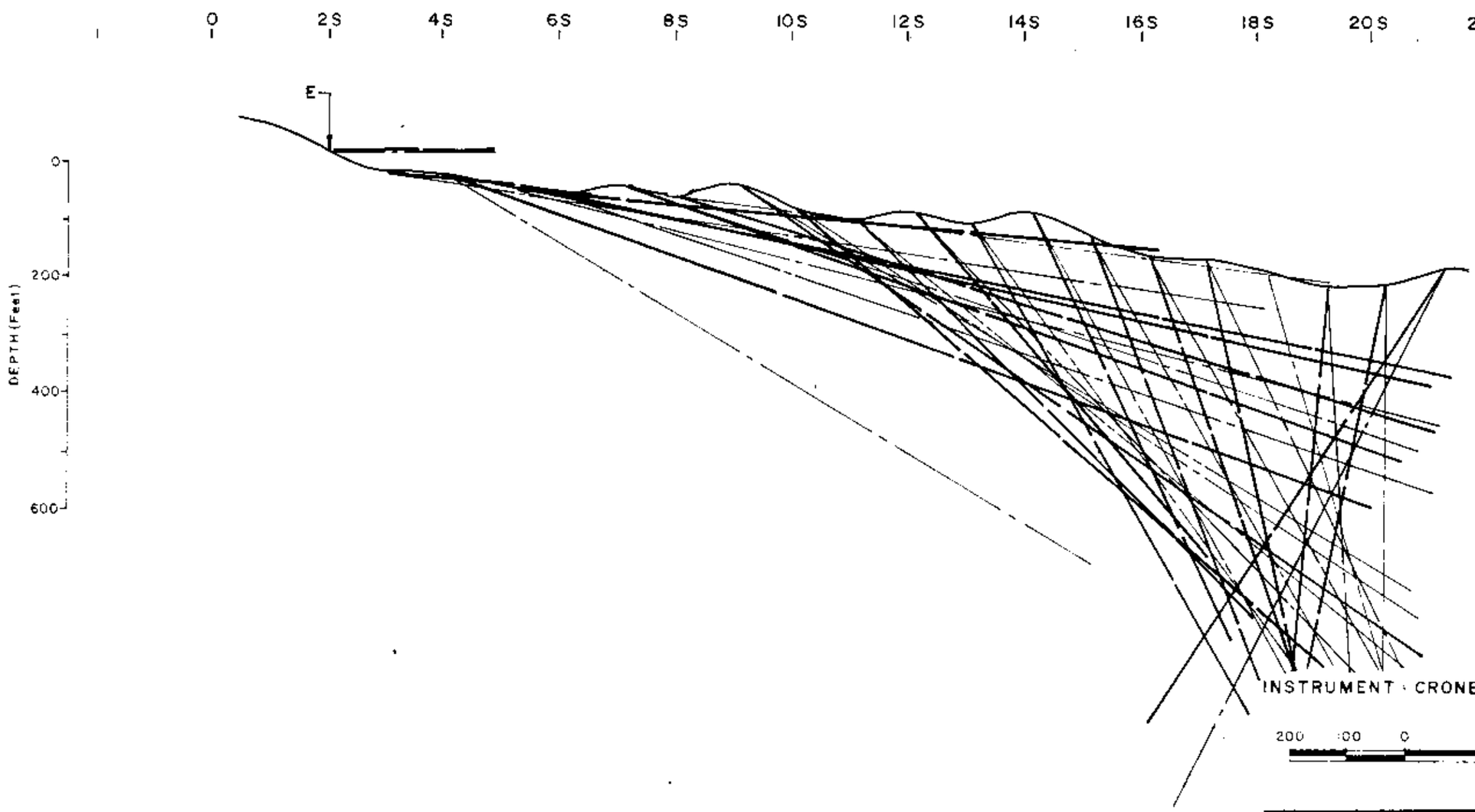
CRAIGMONT MINES LTD.

—NORANDA CRESSY PROJECT—

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 5+00 E

Glen E. White
geophysical consulting
services ltd.

INTERPRETED BY : G.E.W.	
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1976	
FIG No : 18	



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6942

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

To Accompany Geophysical Report on
THE NORANDA CRESSY PROJECT
Date .....
By GLENN E. WHITE B.S. ..... GEOPHYSICIST

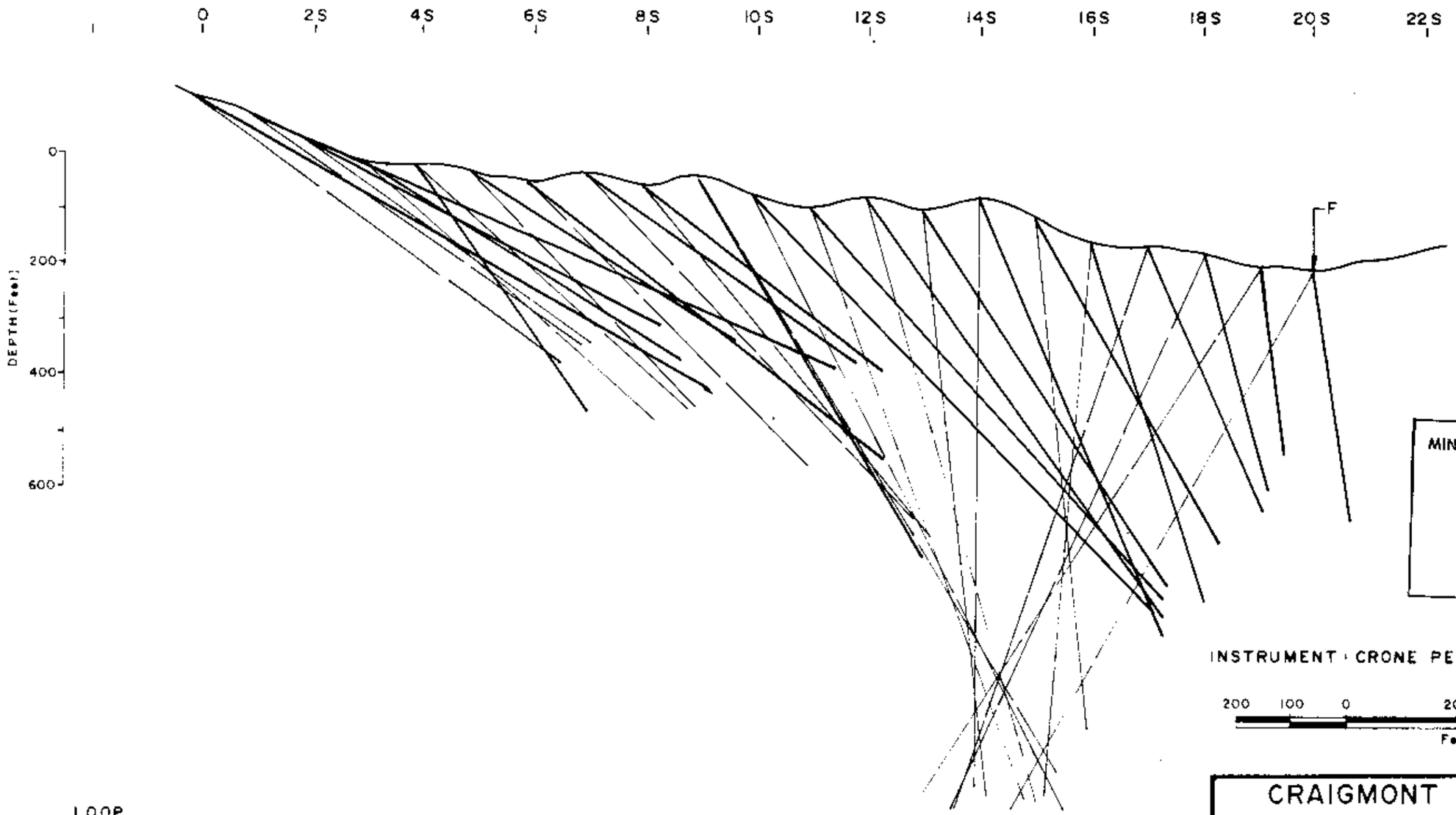
CRAIGMONT MINES LTD.

— NORANDA CRESSY PROJECT —

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 5+00E

Glen E. White geophysical consulting services ltd.

INTERPRETED BY : G.E.W.	
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 1C	



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6942

INSTRUMENT : CRONE PEM

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5
CHANNEL 2 — — — CHANNEL 6
CHANNEL 3 CHANNEL 7
CHANNEL 4 CHANNEL 8

To Accompany Geophysical Report on
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Date .....
By GLEN E WHITE B.Sc. ..... GEOPHYSICIST

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VECTOR SECTION
LINE 5+00 E

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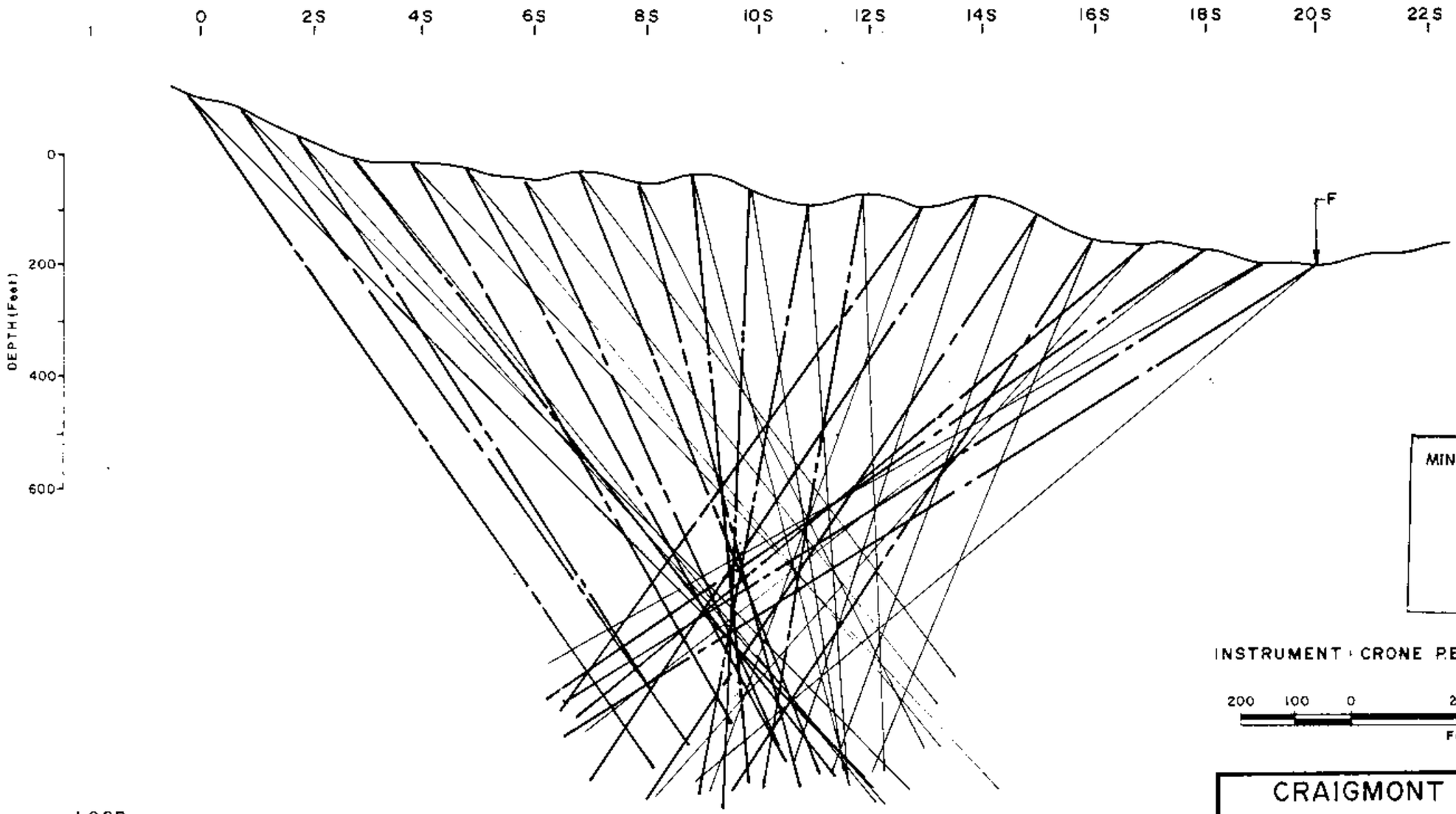
INTERPRETED BY : G.E.W.
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG No : 2A



MINERAL RESOURCES
ASSESSMENT REPORT
NO. 6942

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3 ———
CHANNEL 4 —·— ——
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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LINE 5+00E

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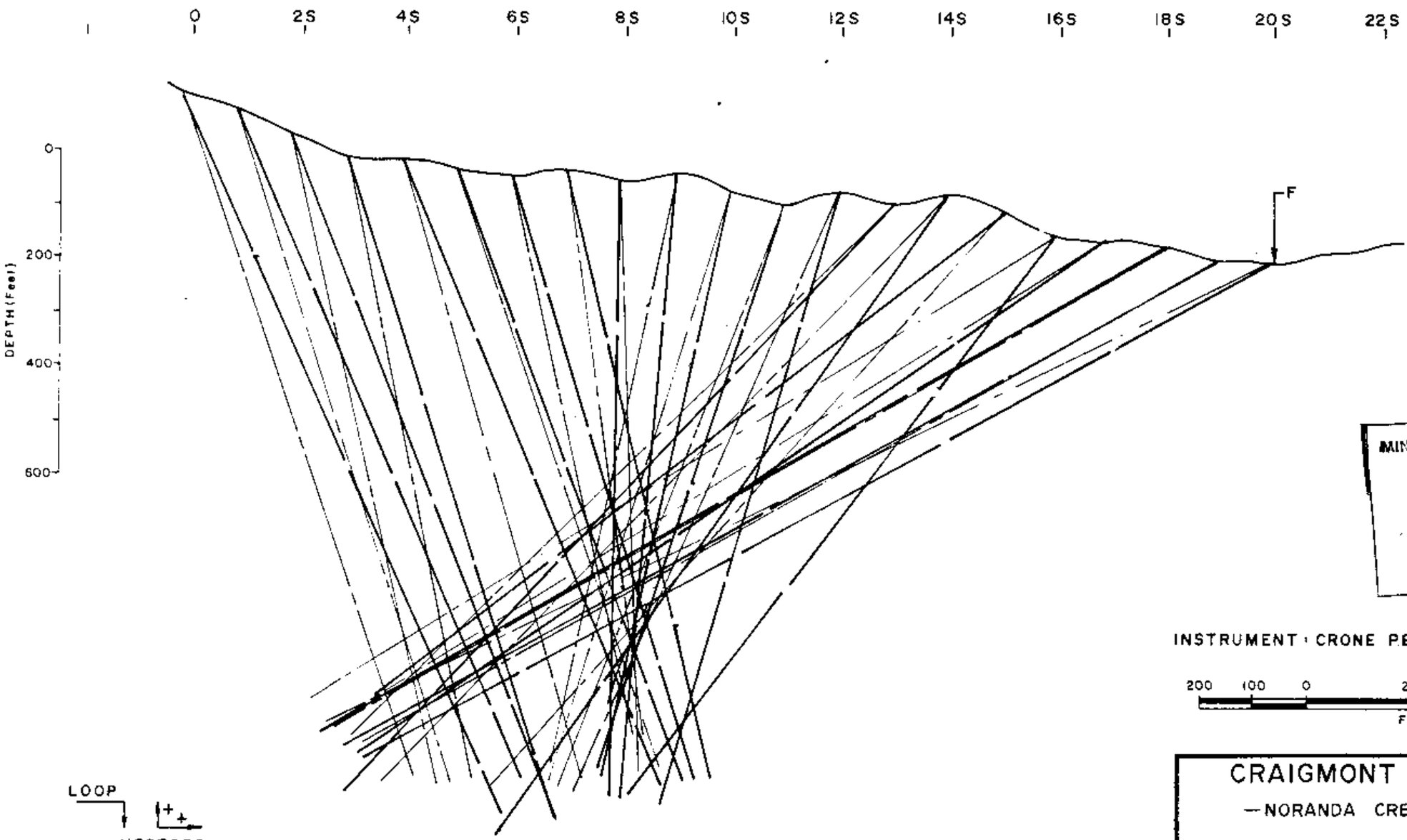
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 2B	



LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

To Accompany Geophysical Report on
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Date _____
By GLEN E. WHITE B.Sc. _____ GEOPHYSICIST

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

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LINE 5+00 E

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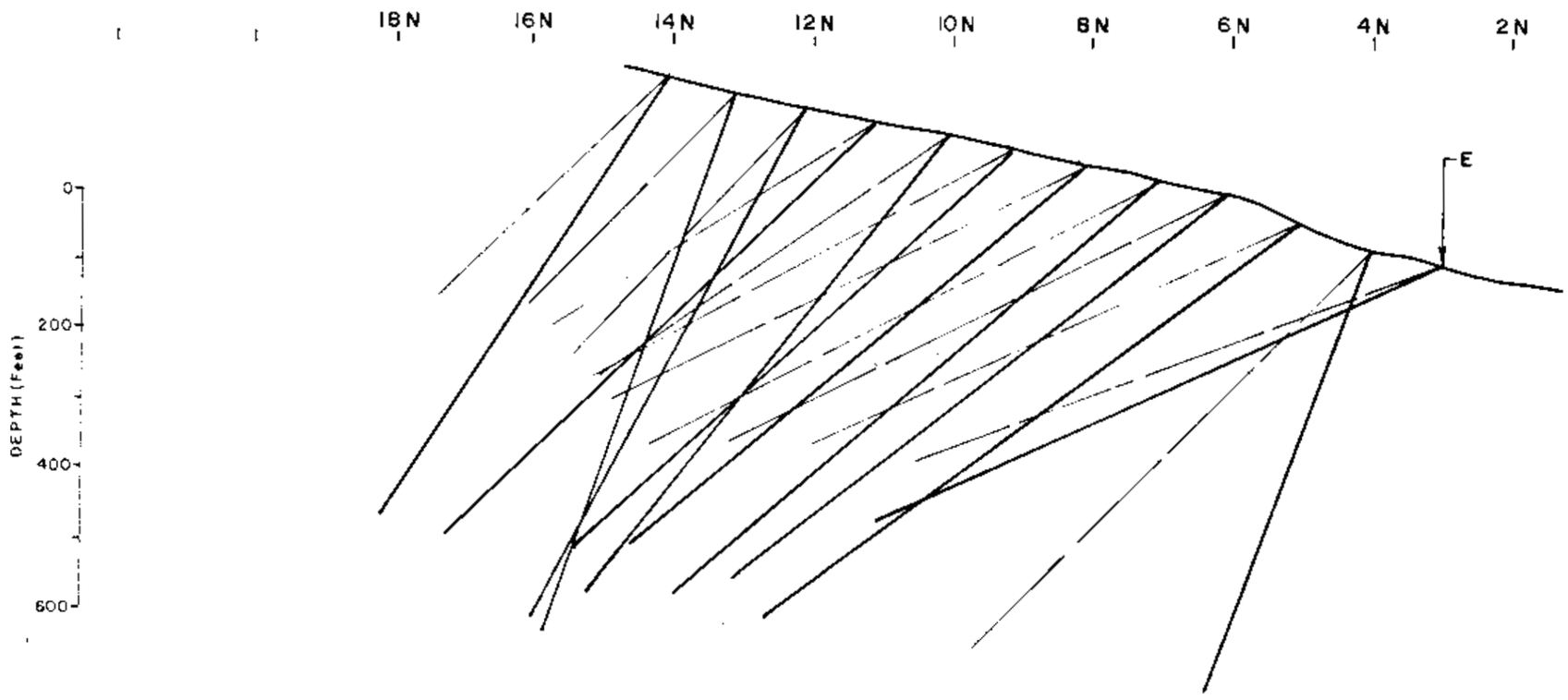
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG No : 2 C



LOOP

-VECTORS-

CHANNEL 1 ———	CHANNEL 5
CHANNEL 2 — — —	CHANNEL 6
CHANNEL 3	CHANNEL 7
CHANNEL 4	CHANNEL 8

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INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

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VECTOR SECTION
LINE 5+00 E

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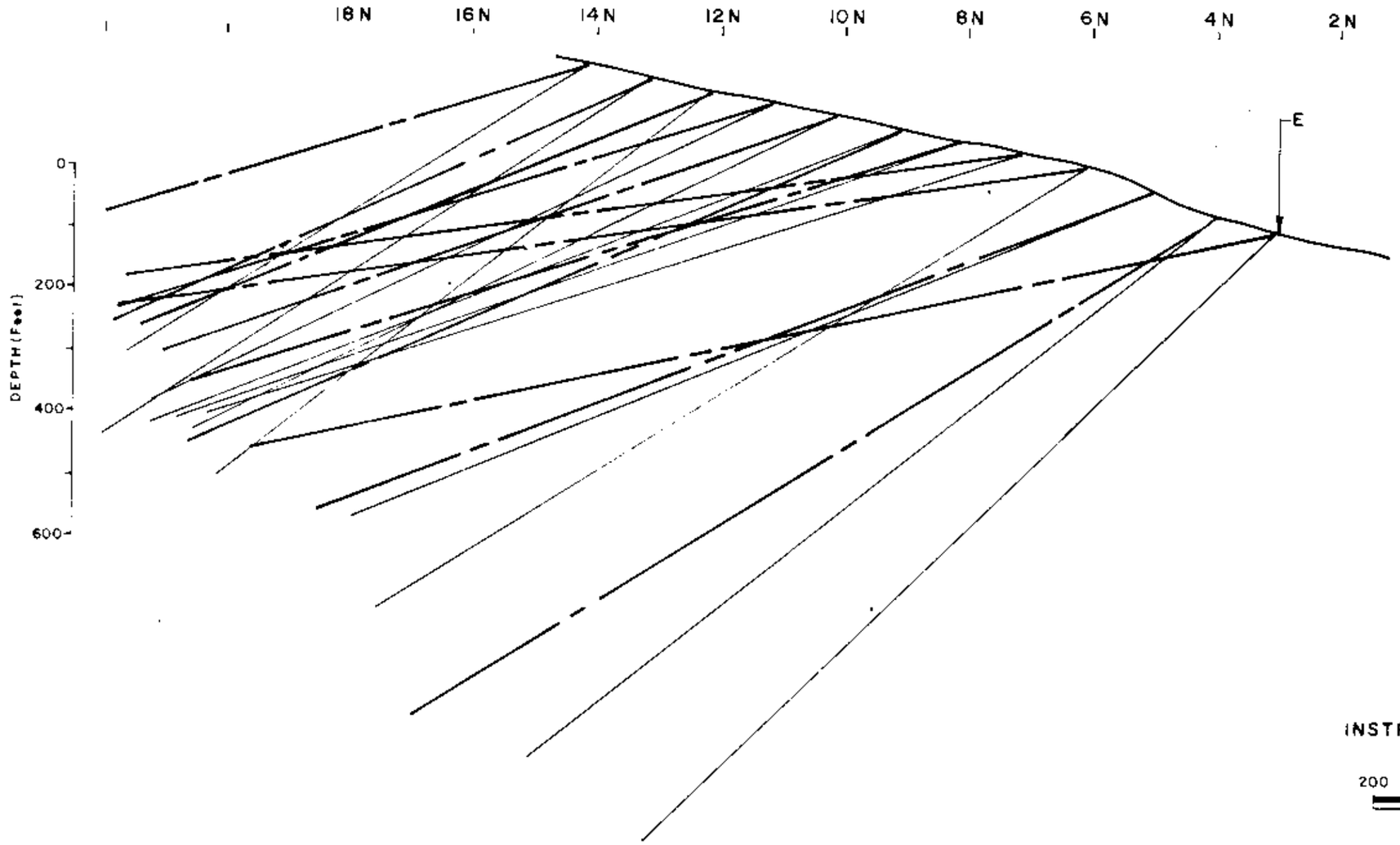
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 3A	



INSTRUMENT : CRONE PEM

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3 ———
CHANNEL 4 — - —
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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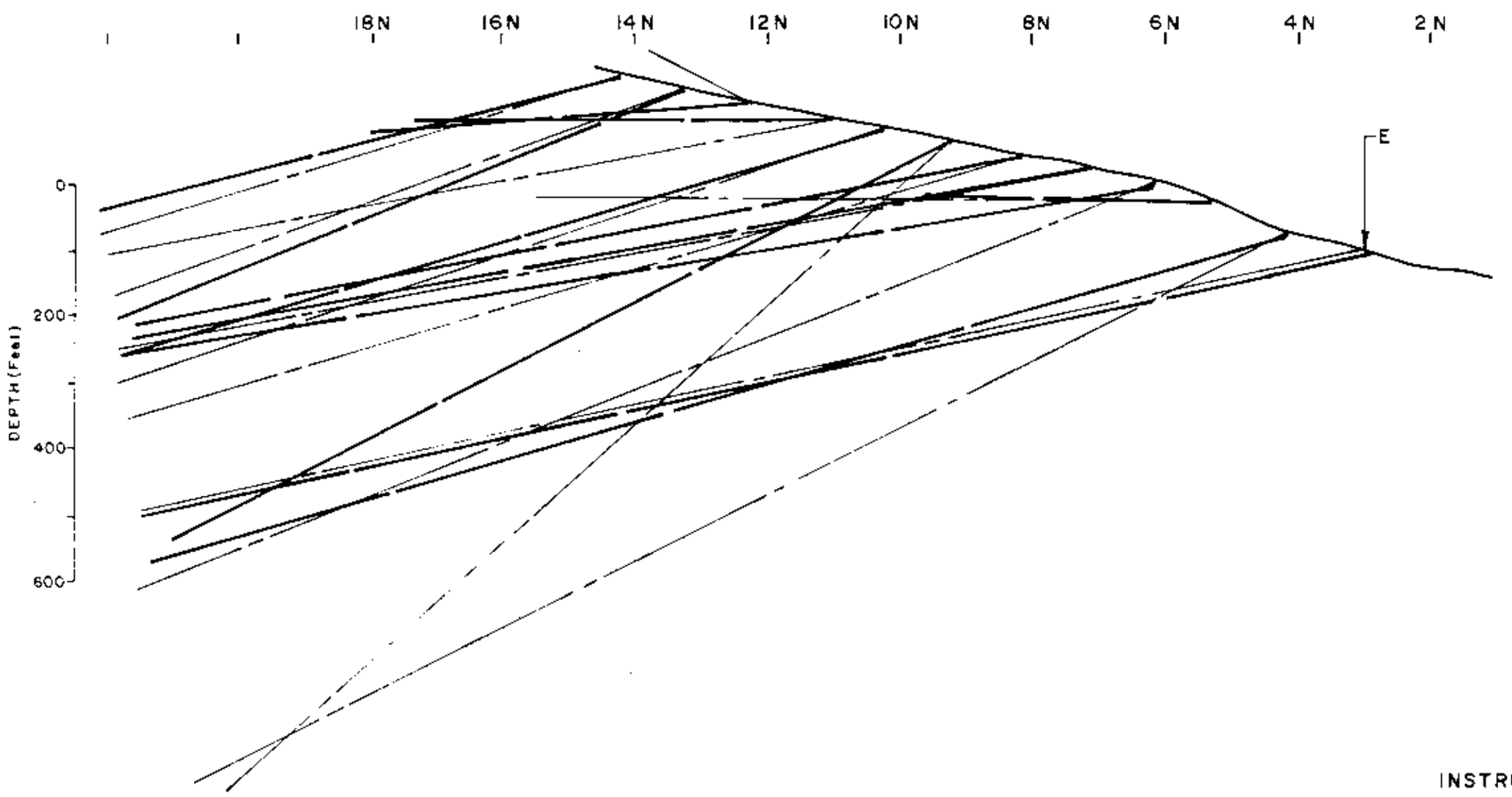
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 38	



LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

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VECTOR SECTION
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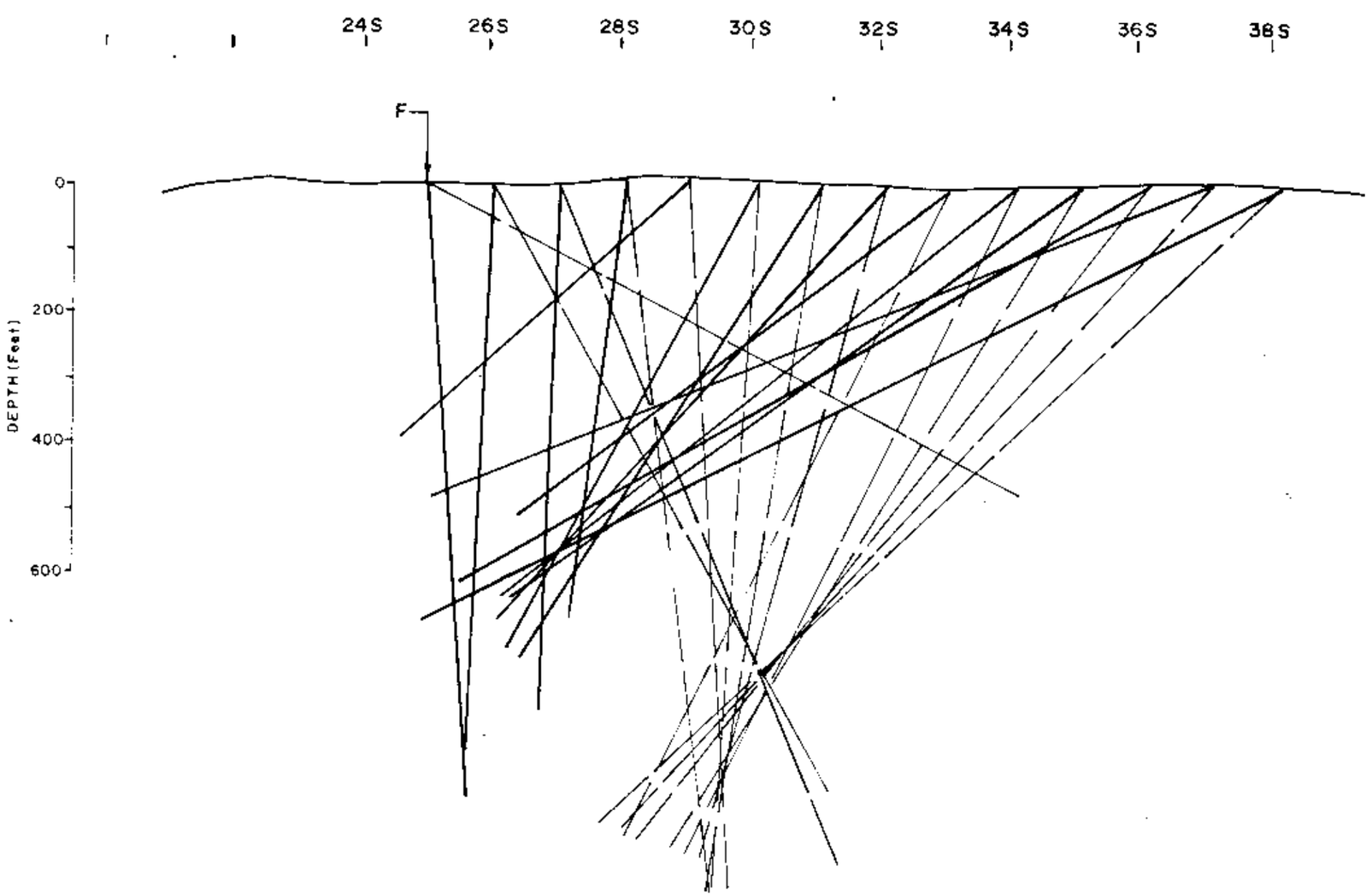
DATE : JULY, 1978
FIG No : 3C

(SOUTHERN EXTENSION)



LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5

CHANNEL 2 — — CHANNEL 6

CHANNEL 3 CHANNEL 7

CHANNEL 4 CHANNEL 8

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INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

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VECTOR SECTION
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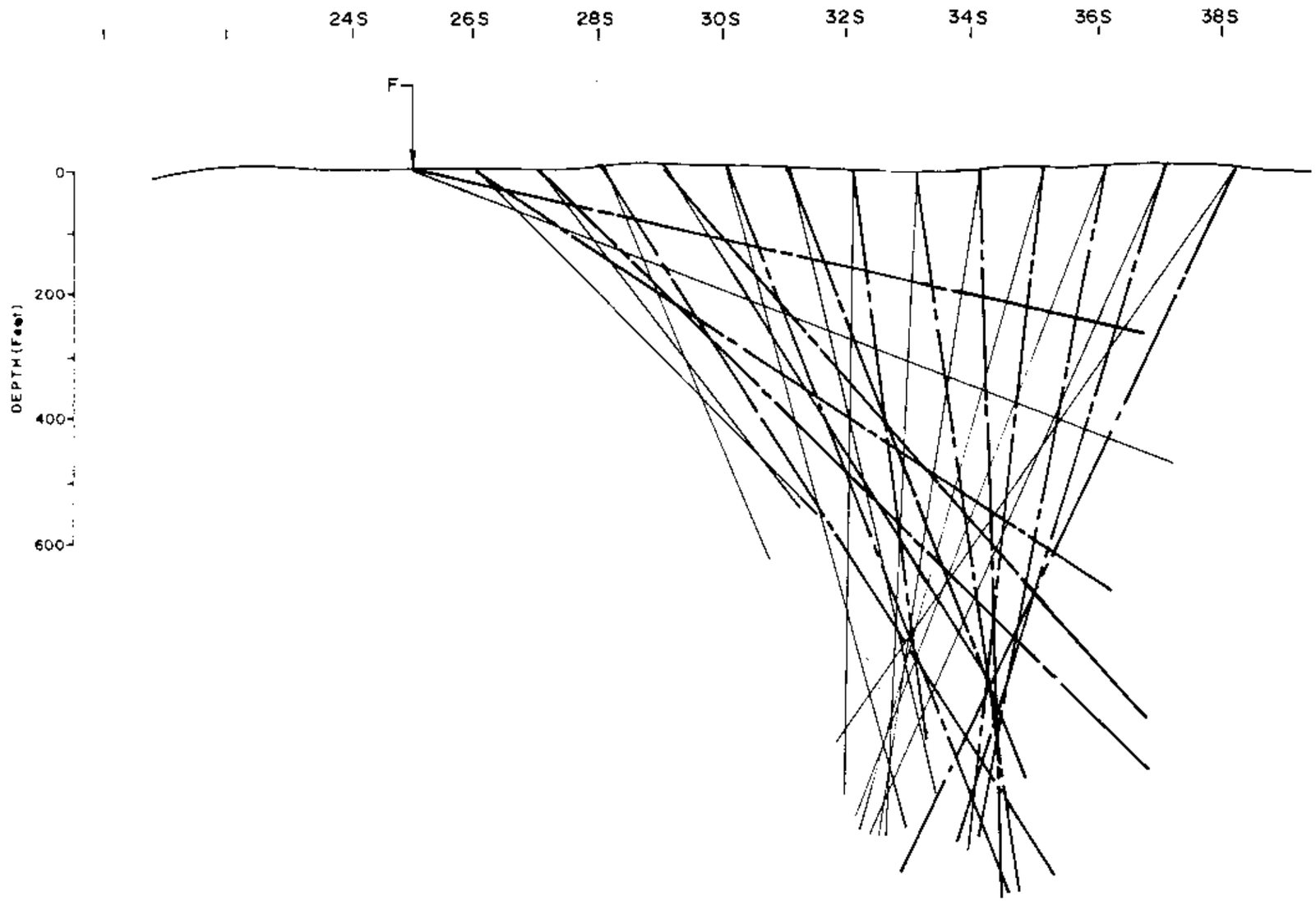
CHECKED BY :
DATE : JULY, 1978
FIG No : 4A



LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

To Accompany Geophysical Report on
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INSTRUMENT - CRONE PE.M

200 100 0 200 400 600
Feet

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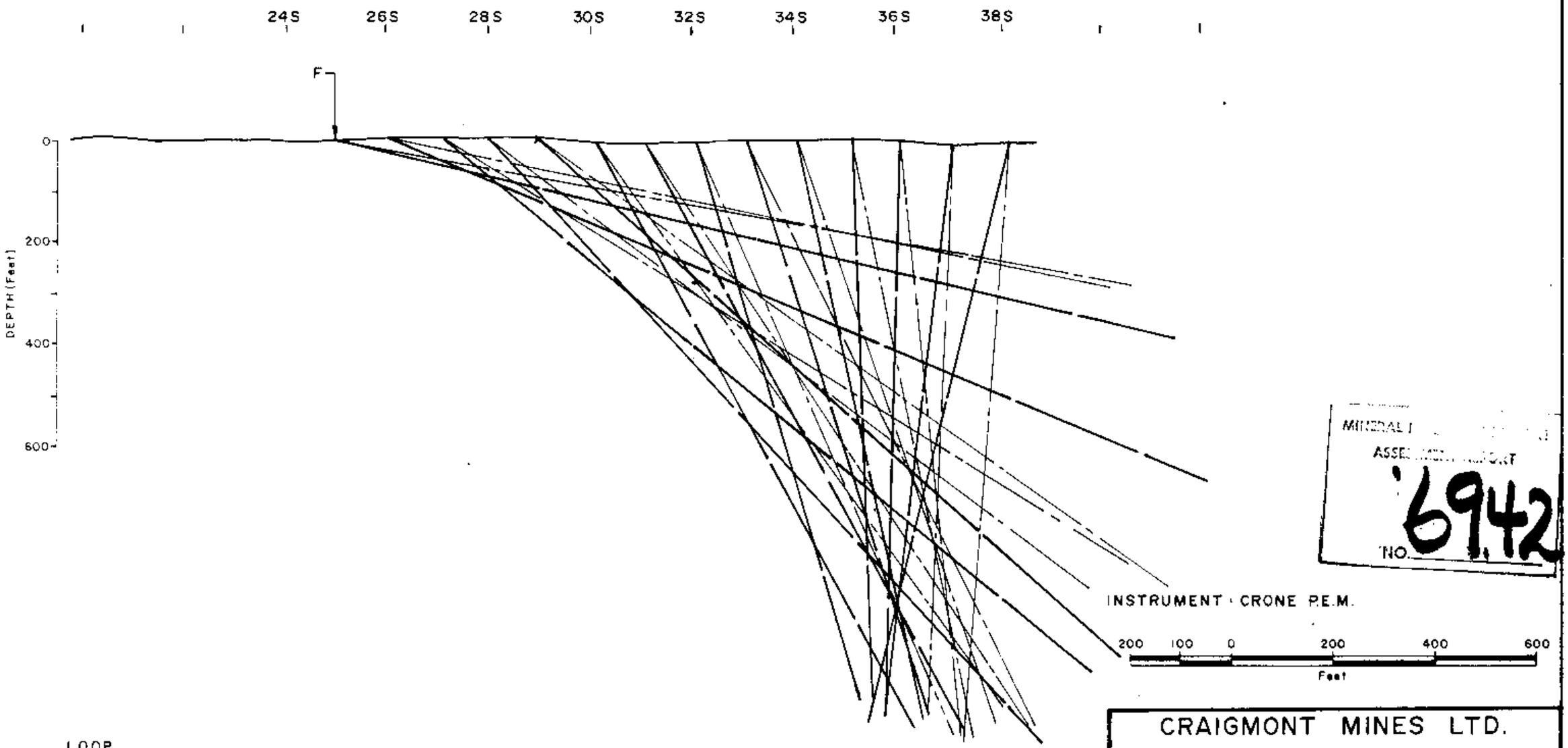
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1976
FIG No : 4B



INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

To Accompany Geophysical Report on
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Date
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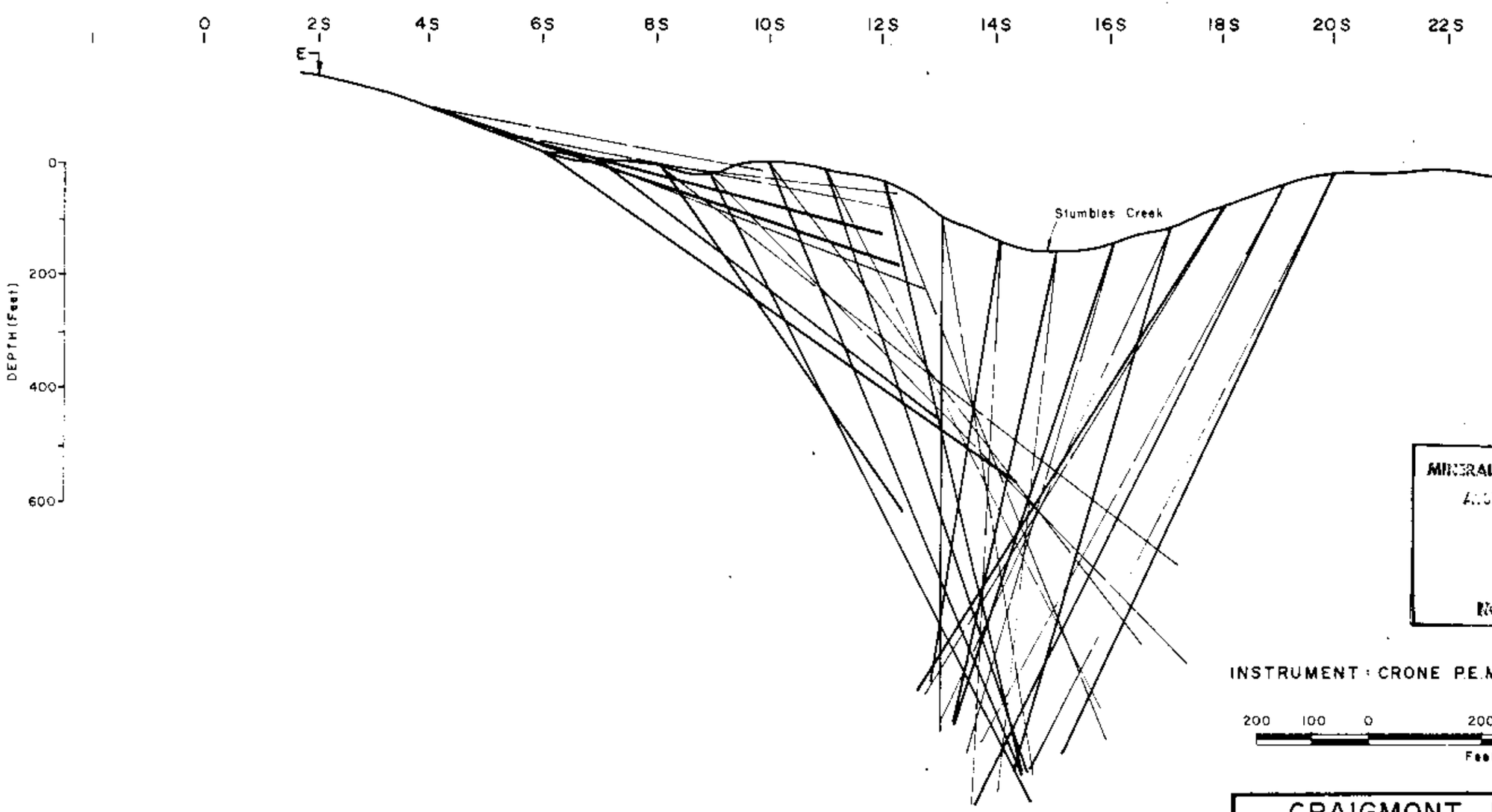
CHECKED BY :
DATE : JULY, 1978
FIG No : 4C



MINERAL RESOURCES ... ASSESSMENT REPORT NO. 6942

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5
CHANNEL 2 — — — CHANNEL 6
CHANNEL 3 CHANNEL 7
CHANNEL 4 CHANNEL 8

To Accompany Geophysical Report on
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Date .....
By GLEN E WHITE & St. ..... GEOPHYSICIST

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PULSE ELECTROMAGNETOMETER
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LINE 10+00 E

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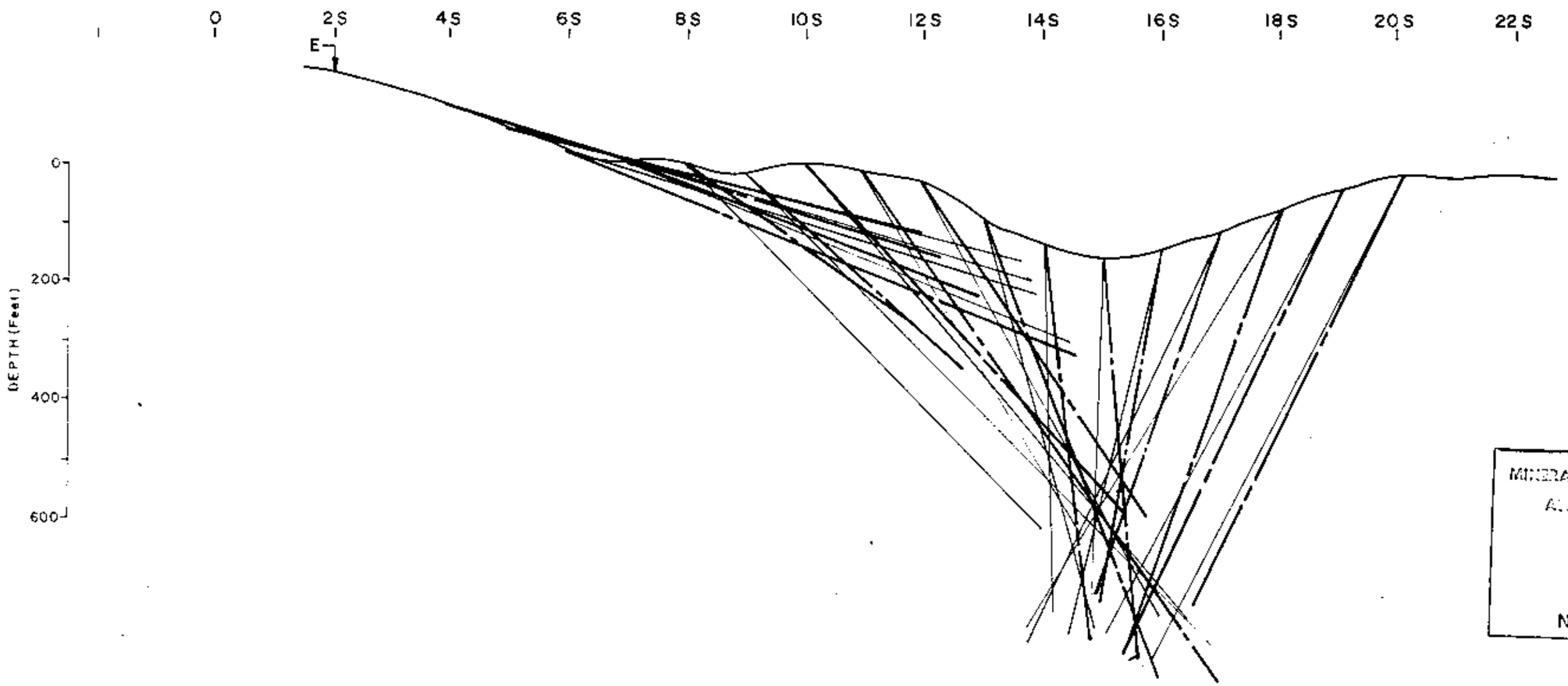
CHECKED BY :
DATE : JULY, 1978
FIG No : 5A



INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1	CHANNEL 5
CHANNEL 2	CHANNEL 6
CHANNEL 3 ----------	CHANNEL 7
CHANNEL 4 ——— - ———	CHANNEL 8

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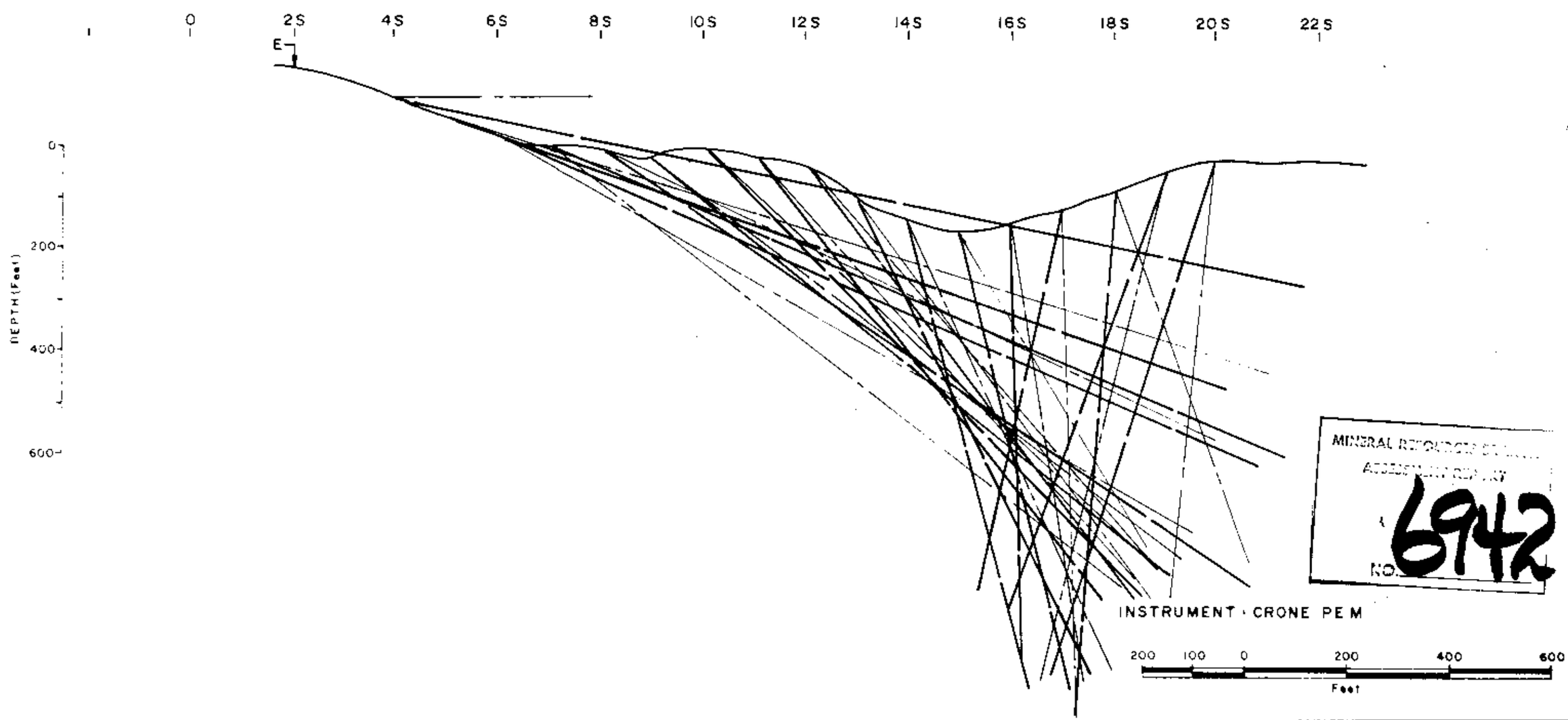
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 5B	



LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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VECTOR SECTION
LINE 10+00 E

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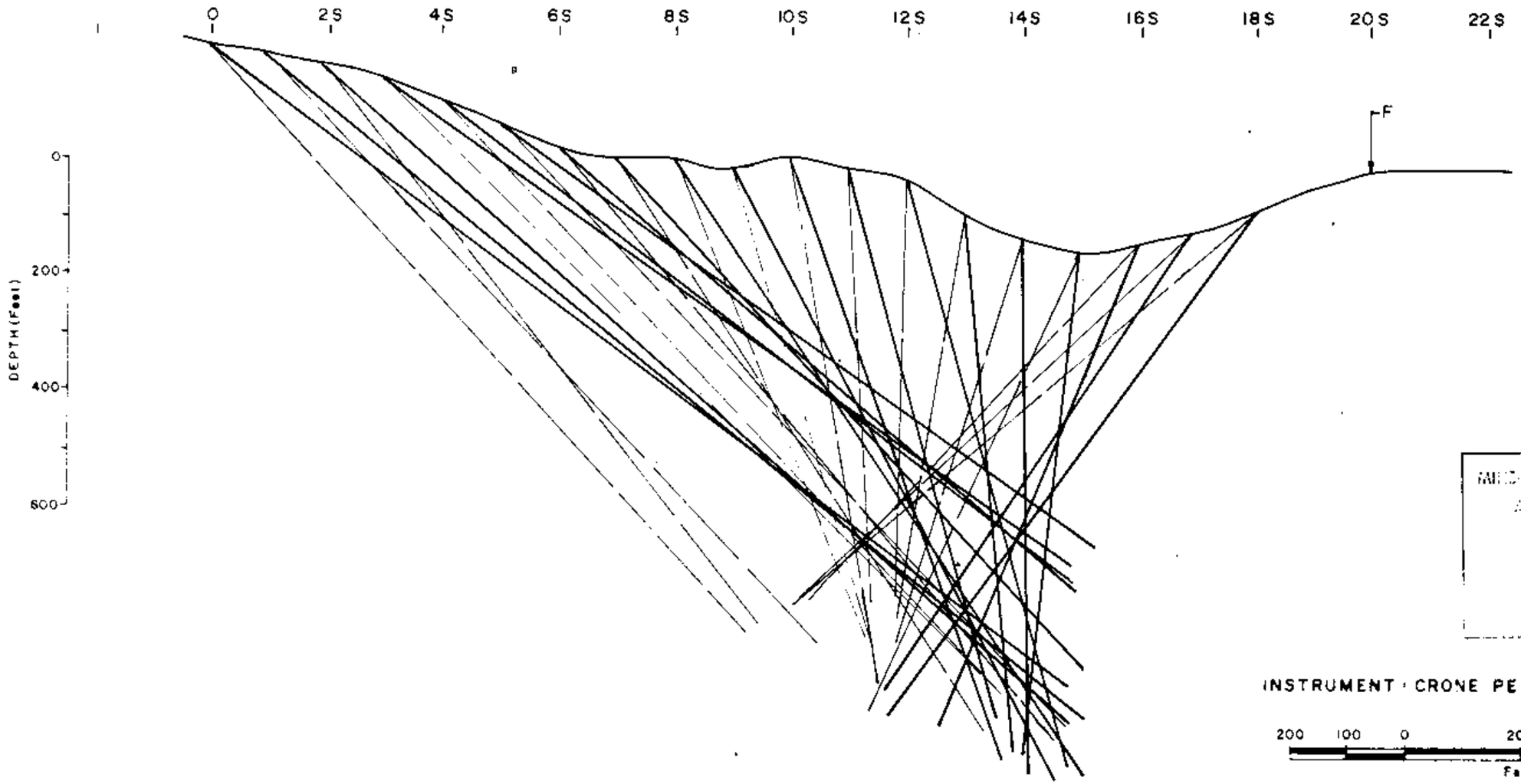
DRAWN BY : T M
CHECKED BY :
DATE : JULY, 1978
FIG No : 5C



MINERAL RESOURCES
6942
NO.

INSTRUMENT : CRONE PEM.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5
CHANNEL 2 — — CHANNEL 6
CHANNEL 3 CHANNEL 7
CHANNEL 4 CHANNEL 8

To Accompany Geophysical Report on
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Date .....
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VECTOR SECTION
LINE 10+00 E

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DRAWN BY : T.M.	
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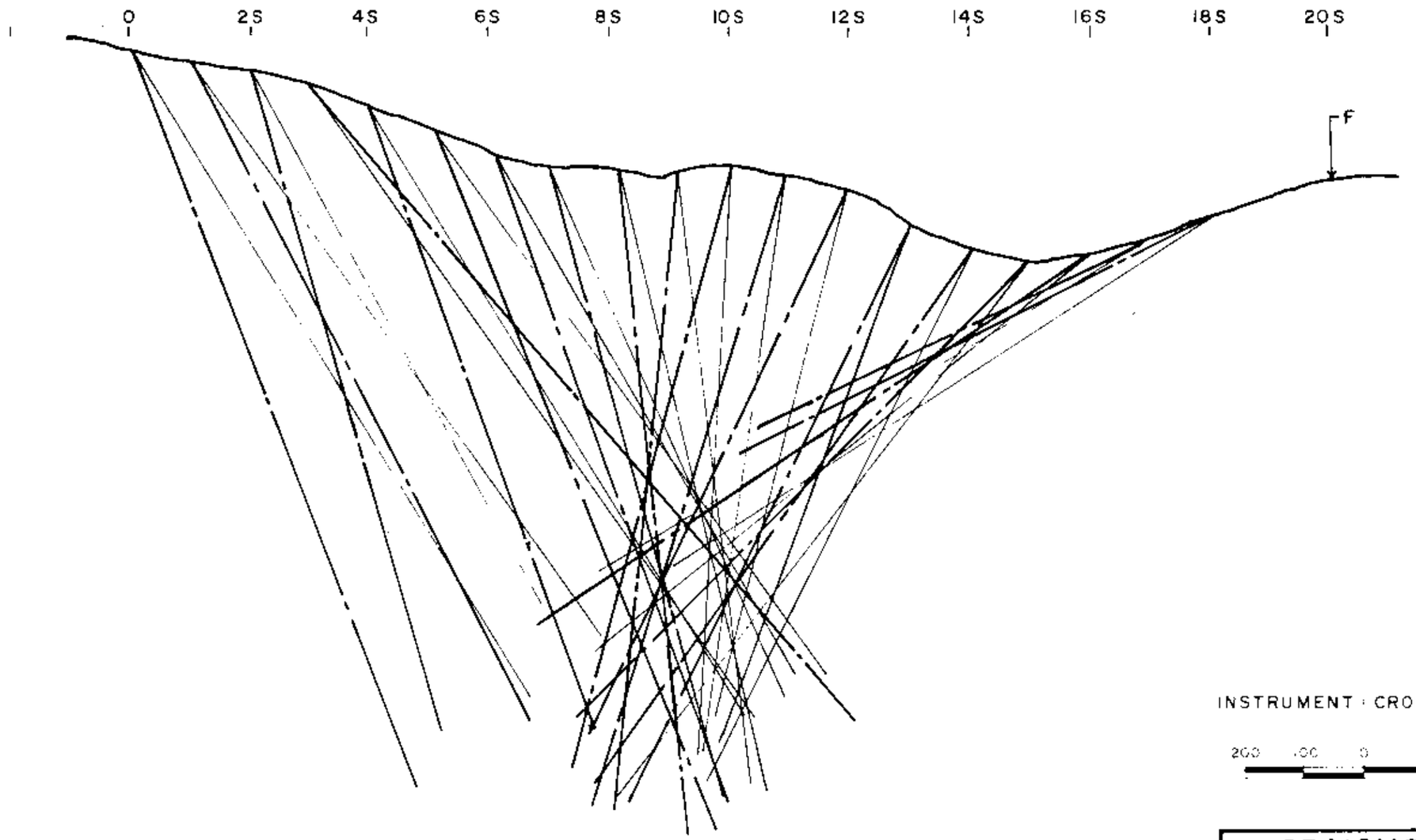
DATE : JULY, 1978	
FIG No : 6A	



6942

INSTRUMENT : CRONE PE M

200 100 0 200 400 FEET

Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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VECTOR SECTION
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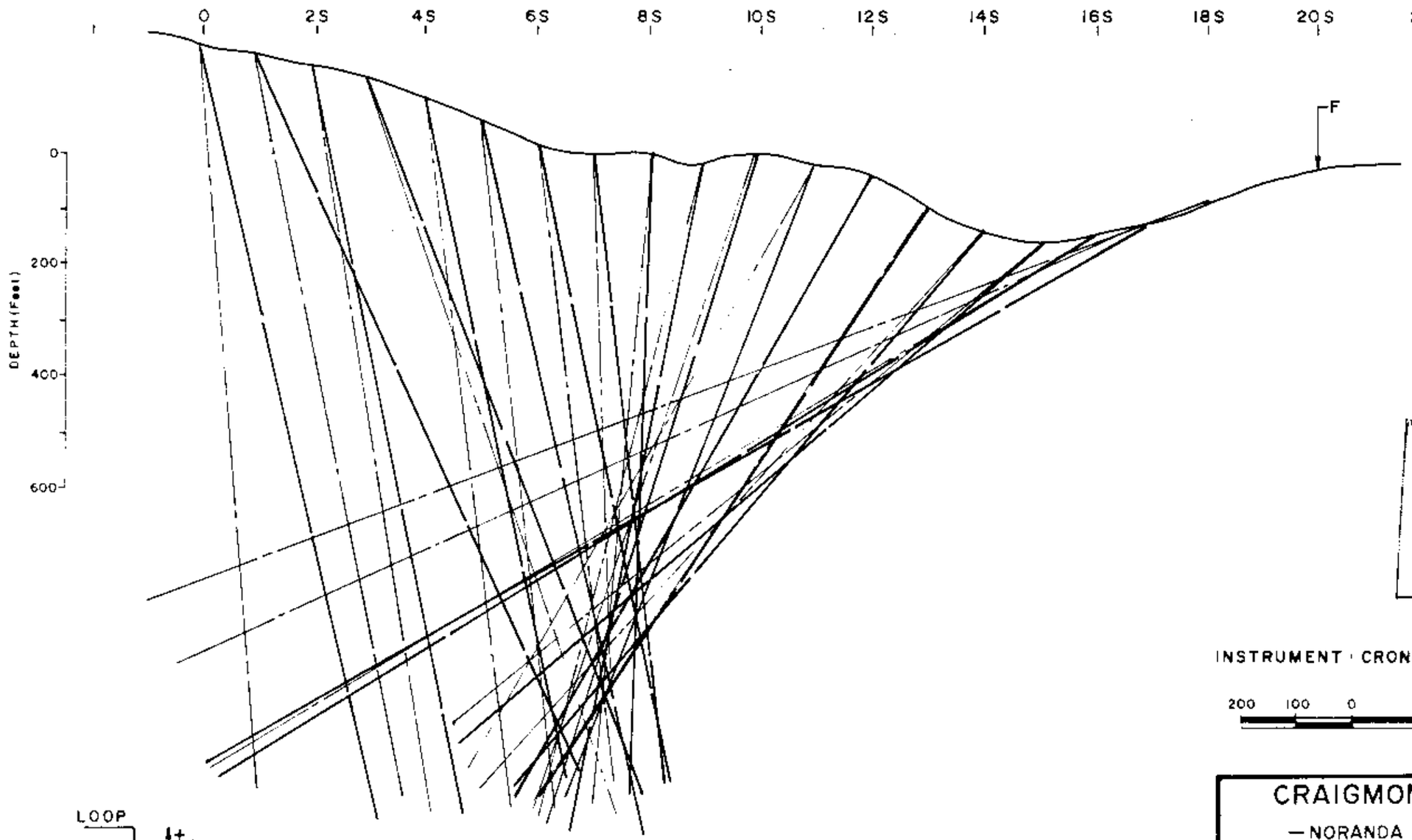
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG No : 68



LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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Date .....
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NO. 6942

INSTRUMENT : CRONE PEM.

200 100 0 200 400 600
Feet

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VECTOR SECTION
LINE 10+00 E

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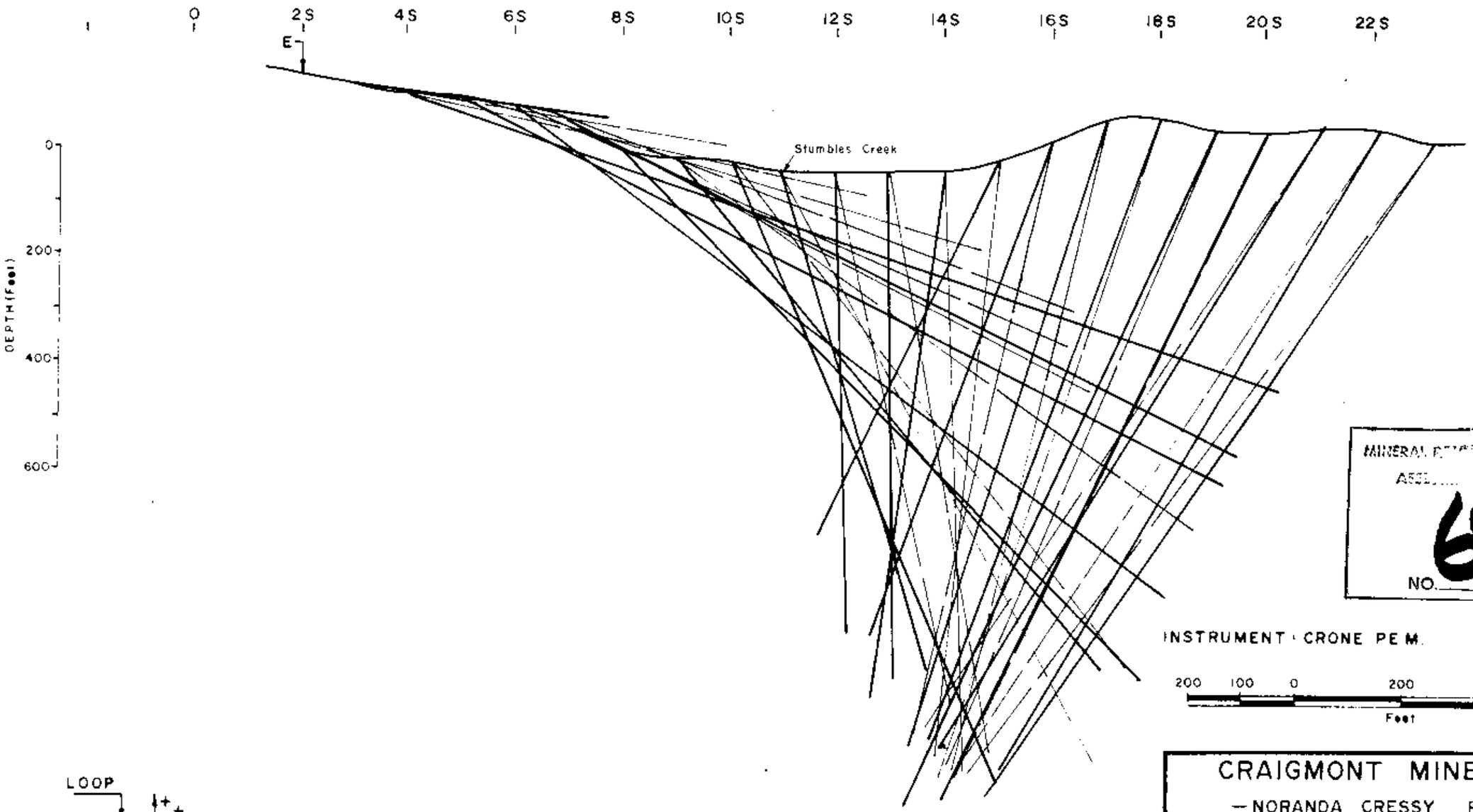
CHECKED BY :
DATE : JULY, 1978
FIG No : 6C



INSTRUMENT : CRONE PEM.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5
CHANNEL 2 — — CHANNEL 6
CHANNEL 3 CHANNEL 7
CHANNEL 4 CHANNEL 8

To Accompany Geophysical Report on
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Date .....
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VECTOR SECTION
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services ltd.

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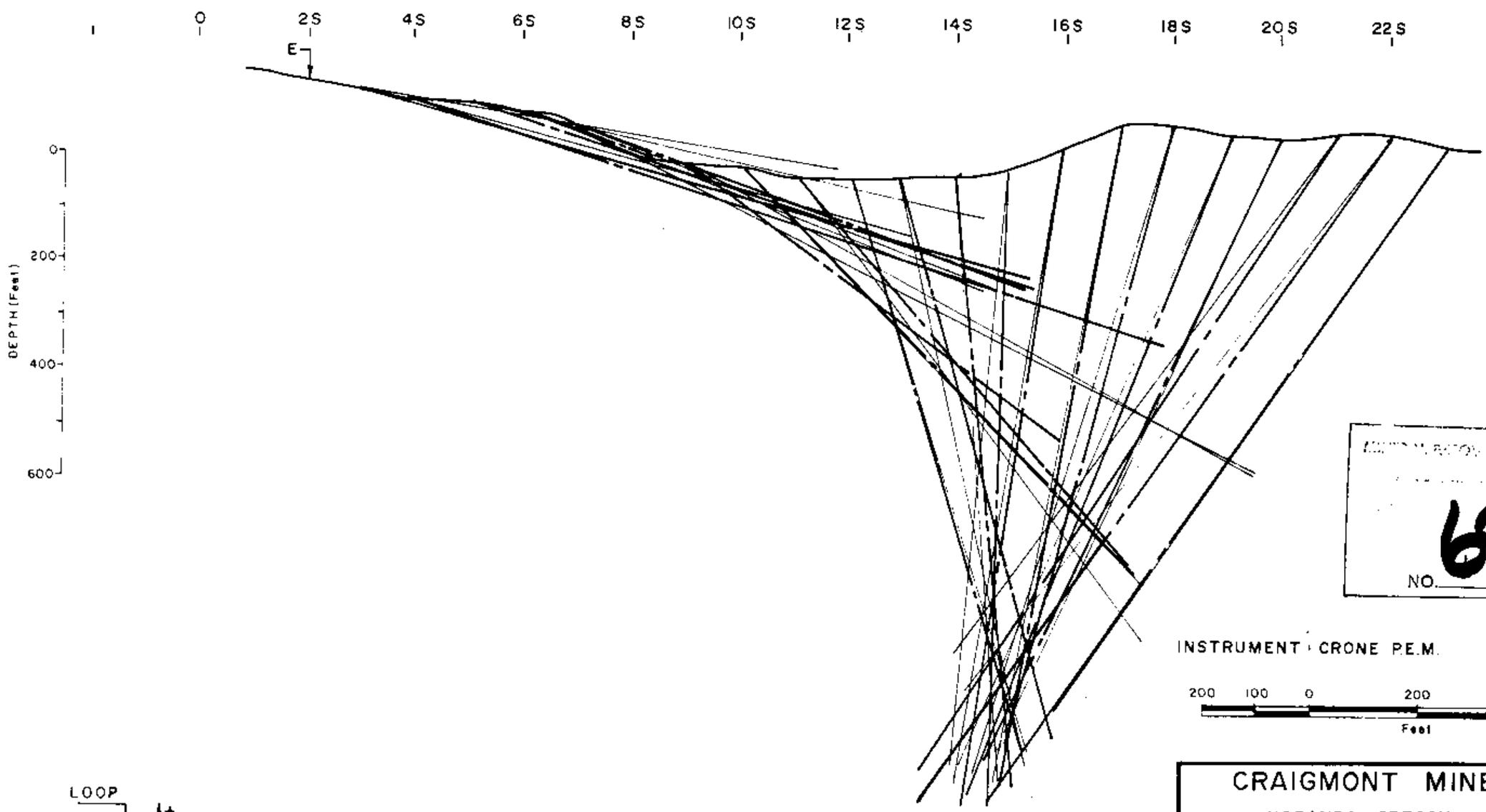
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG No : 7A



NO. 6942

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1	CHANNEL 5
CHANNEL 2	CHANNEL 6
CHANNEL 3 ———	CHANNEL 7
CHANNEL 4 ——·——	CHANNEL 8

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Date .....
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VECTOR SECTION
LINE 15+00 E

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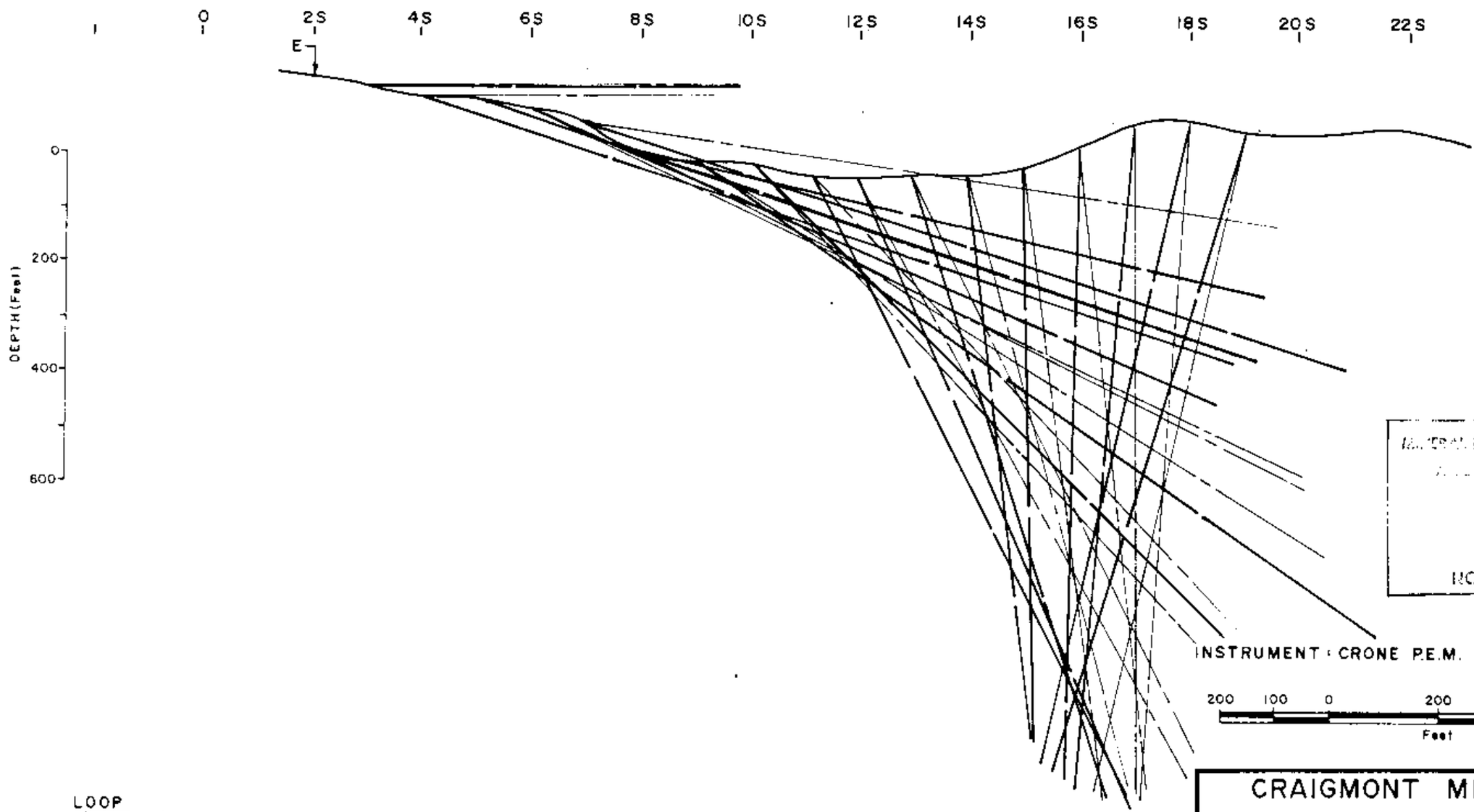
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 79	



INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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VECTOR SECTION
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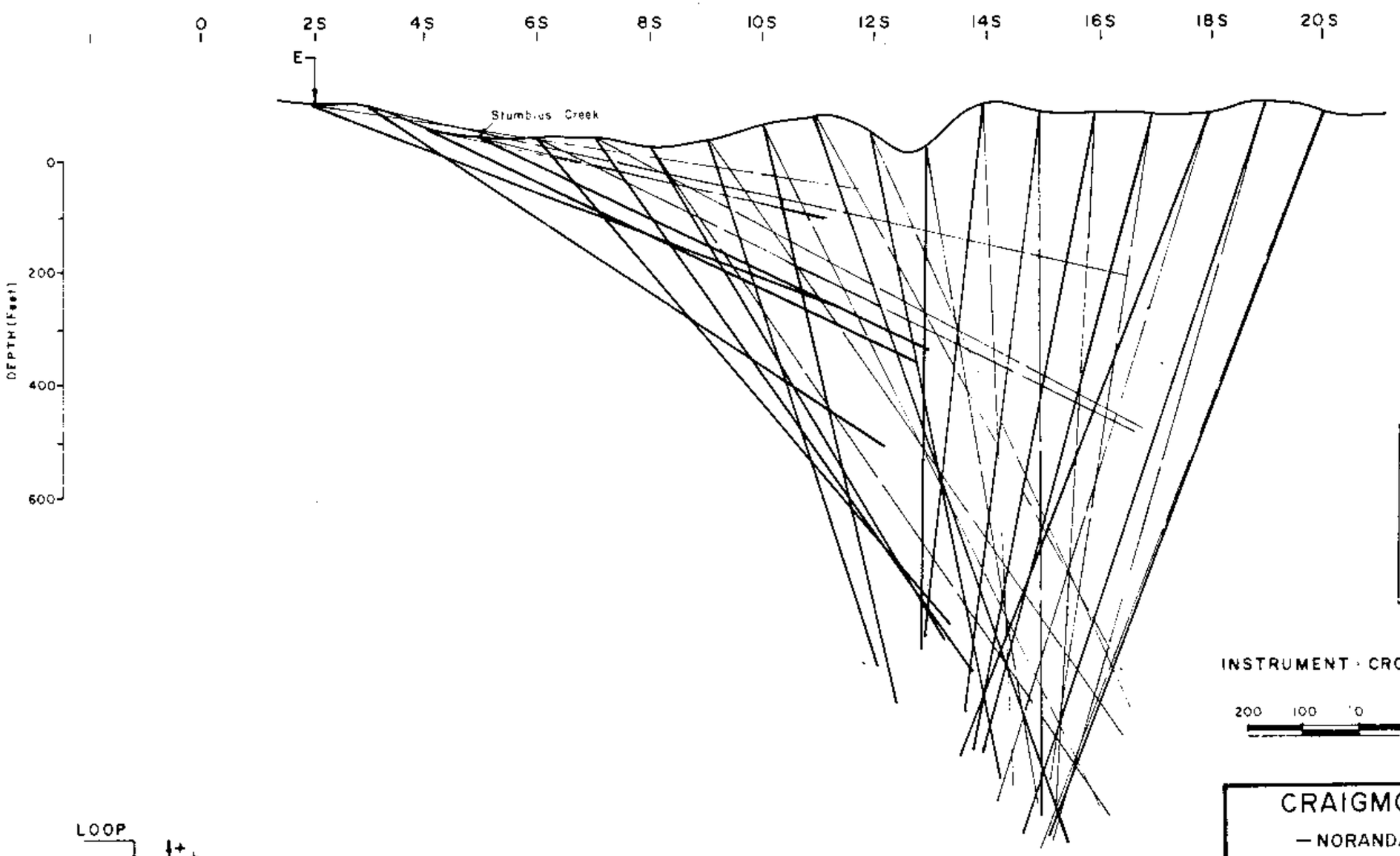
CHECKED BY :
DATE : JULY, 1978
FIG No : 7C



INSTRUMENT - CRONE PEM.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5
CHANNEL 2 — — CHANNEL 6
CHANNEL 3 CHANNEL 7
CHANNEL 4 CHANNEL 8

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VECTOR SECTION
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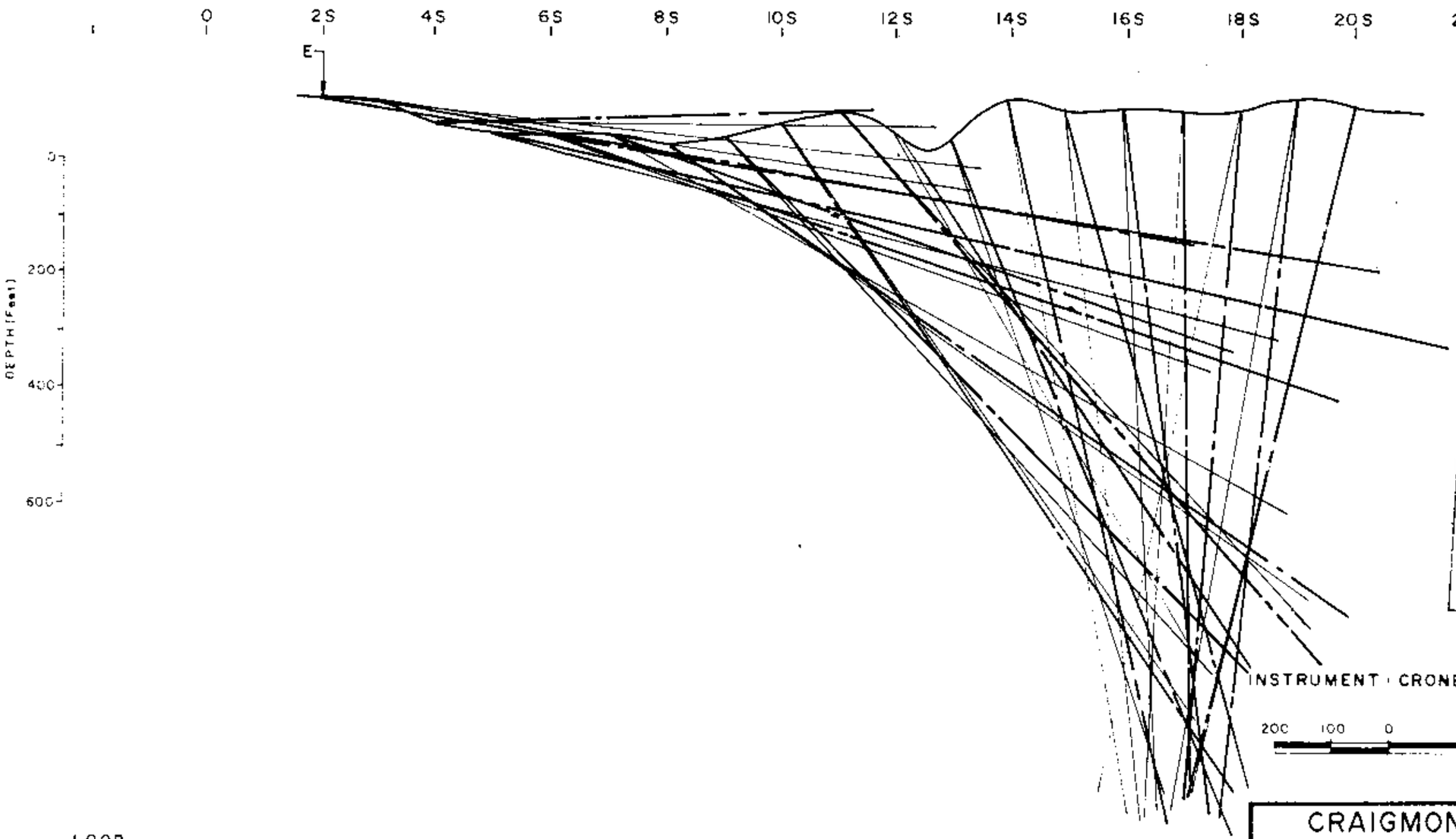
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG No : 8A



6942

INSTRUMENT : CRONE PEM

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3 ———
CHANNEL 4 —— - ——
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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Date .....
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VECTOR SECTION
LINE 20+00 E

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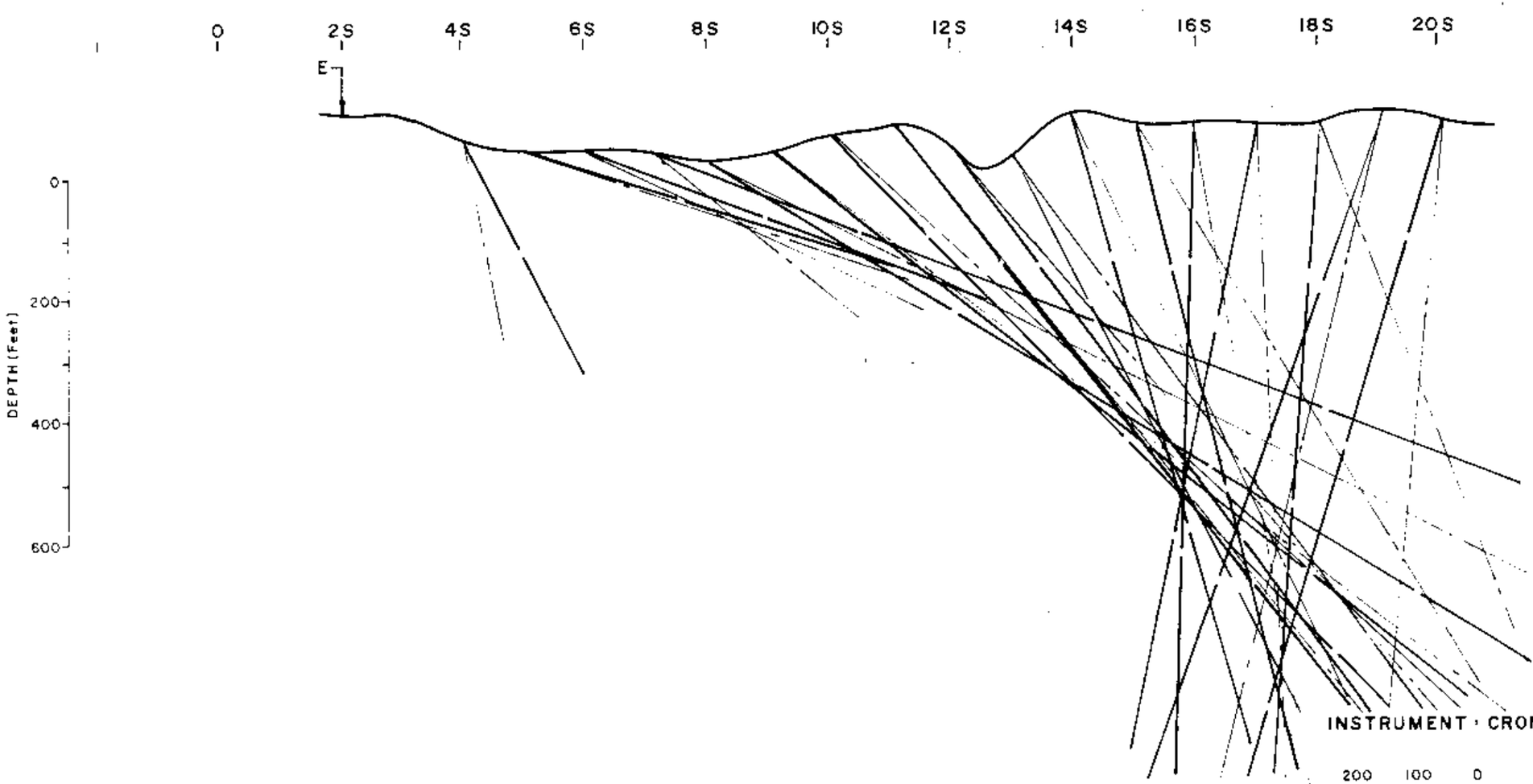
&
services ltd

INTERPRETED BY : G E W.	
DRAWN BY : T M	
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 8B	



INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

To Accompany Geophysical Report on
THE NORANDA CRESSY PROJECT
Dated .....
By GLEN E WHITE B.Sc. ..... GEOPHYSICIST

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VECTOR SECTION
LINE 20+00 E

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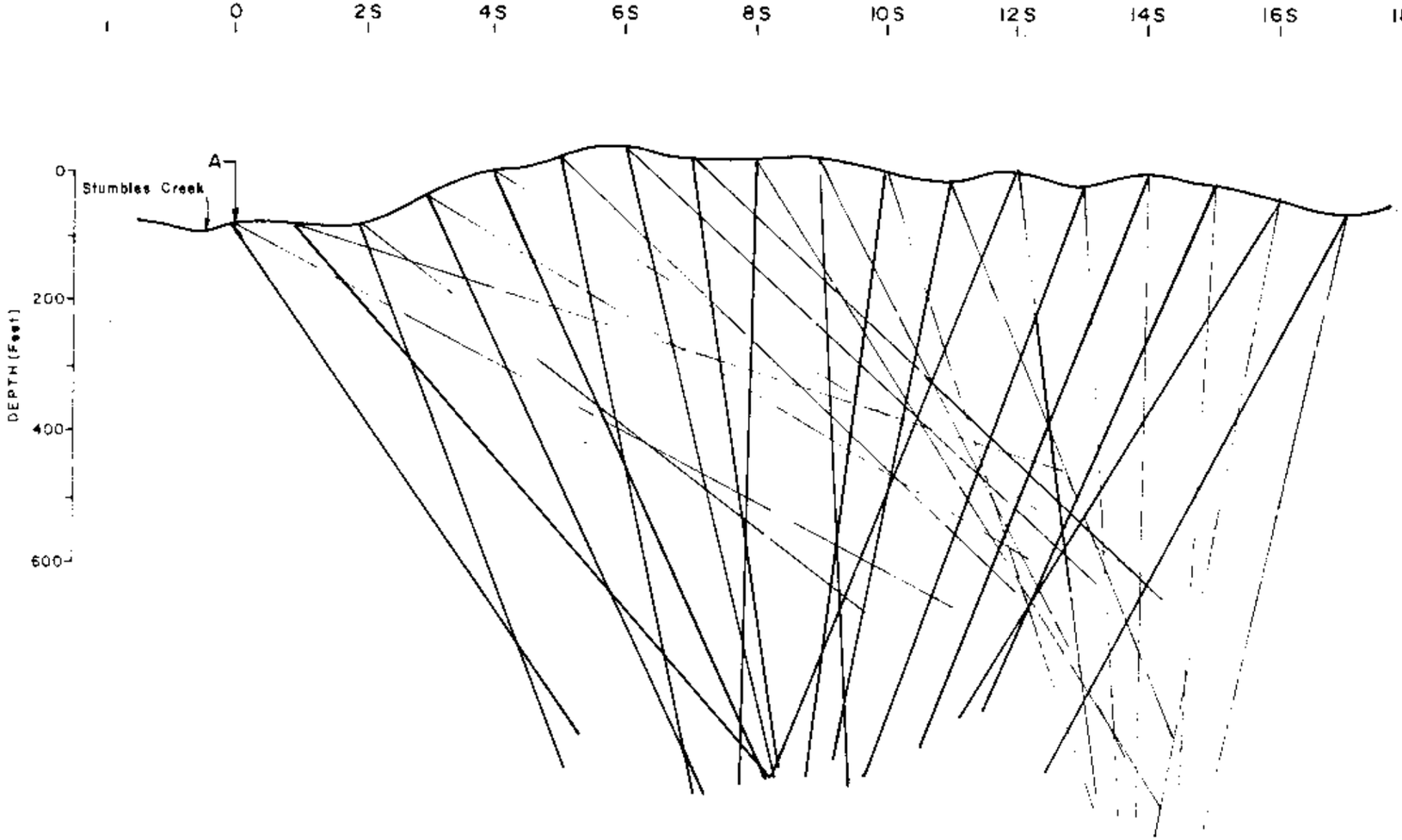
& services ltd.

INTERPRETED BY : G.E.W.
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1976
FIG No : 8C



LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5

CHANNEL 2 — — CHANNEL 6

CHANNEL 3 CHANNEL 7

CHANNEL 4 CHANNEL 8

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Date .....
By GLEN E WHITE B.S. ..... GEOPHYSICIST

ASSESSMENT BRANCH
RECEIVED
6942
NO.

INSTRUMENT : CRONE PEM

200 100 0 200 400 600
Feet

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VECTOR SECTION
LINE 25+00 E

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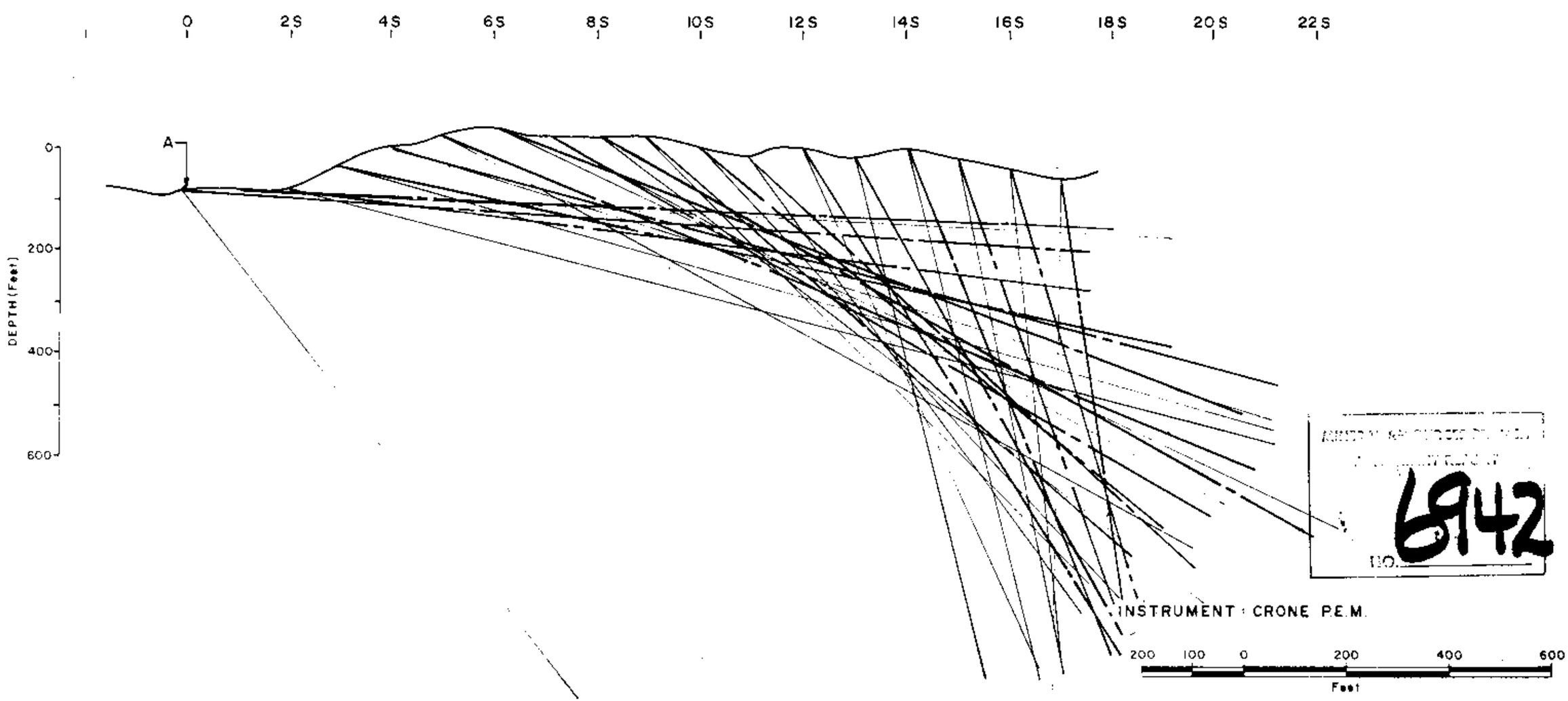
DRAWN BY : T M
CHECKED BY :
DATE : JULY, 1976
FIG No : 9A



LOOP

-VECTORS-

CHANNEL 1 — CHANNEL 5

CHANNEL 2 — CHANNEL 6

CHANNEL 3 ——— CHANNEL 7

CHANNEL 4 — - — CHANNEL 8

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600

Feet

No. 942

To Accompany Geophysical Report on
THE NORANDA CRESSY PROJECT
Date .....
By GLEN E WHITE - B.Sc. ..... GEOPHYSICIST

CRAIGMONT MINES LTD.

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PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 25+00E

Glen E White
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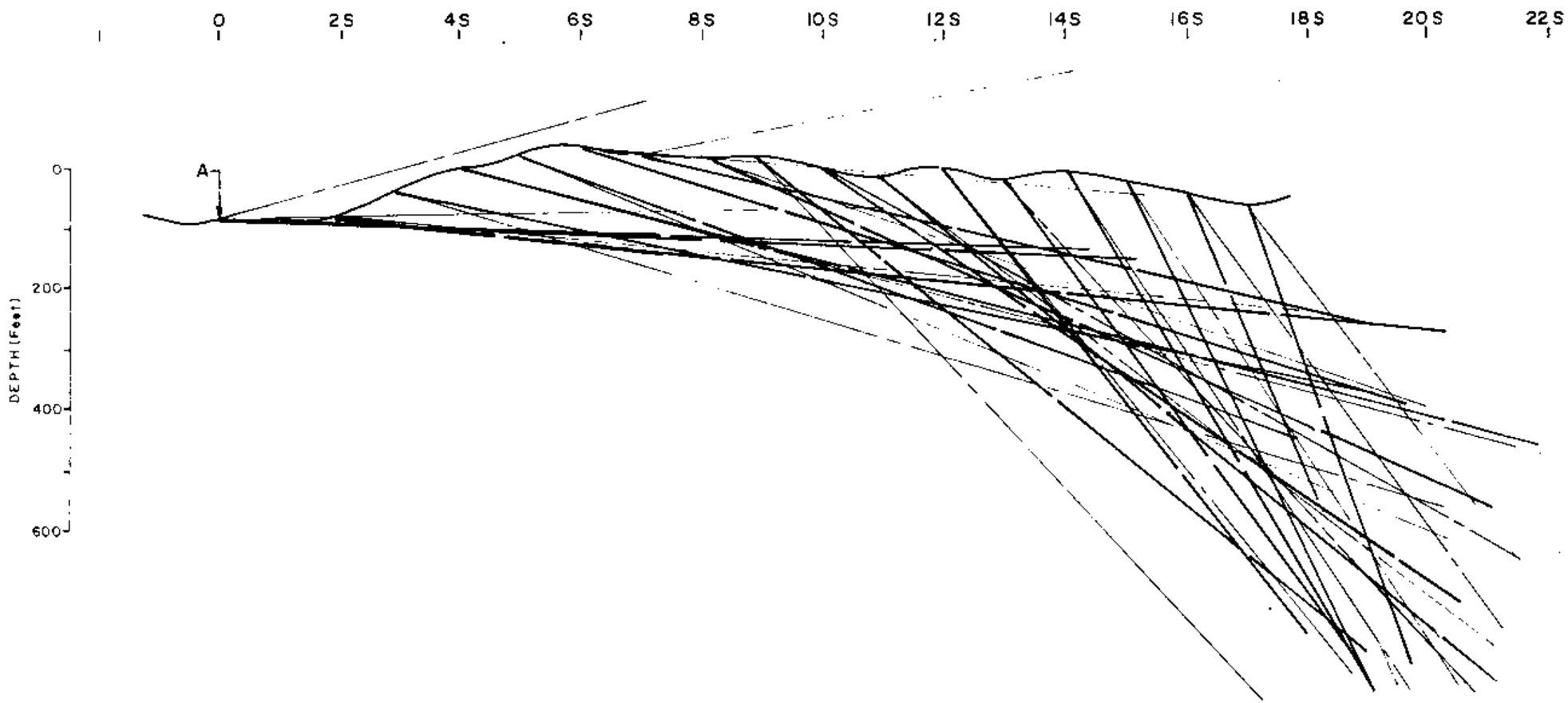
&
services ltd.

INTERPRETED BY : G.E.W.
DRAWN BY : T.M
CHECKED BY :
DATE : JULY, 1978
FIG No : 9B



NO. 6942

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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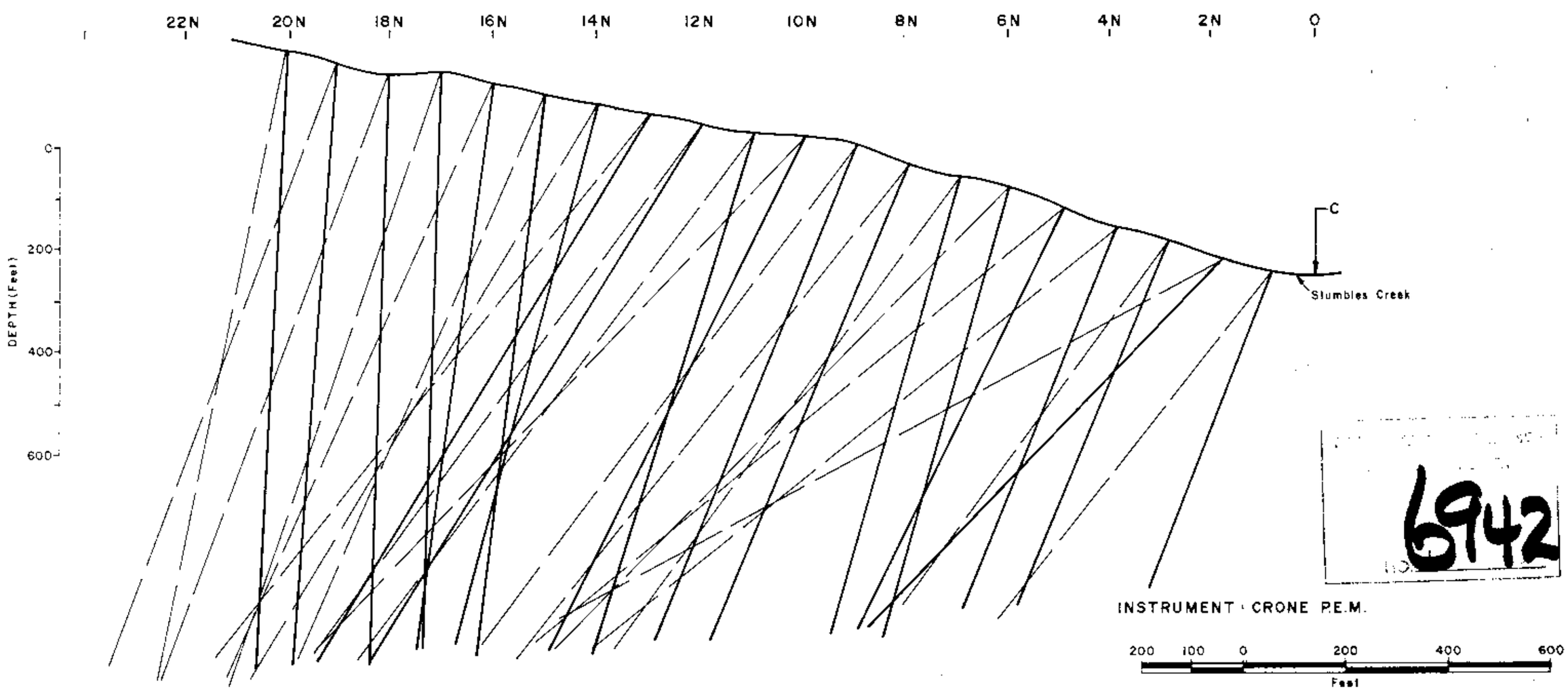
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG No : 9C



INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——
CHANNEL 2 — —
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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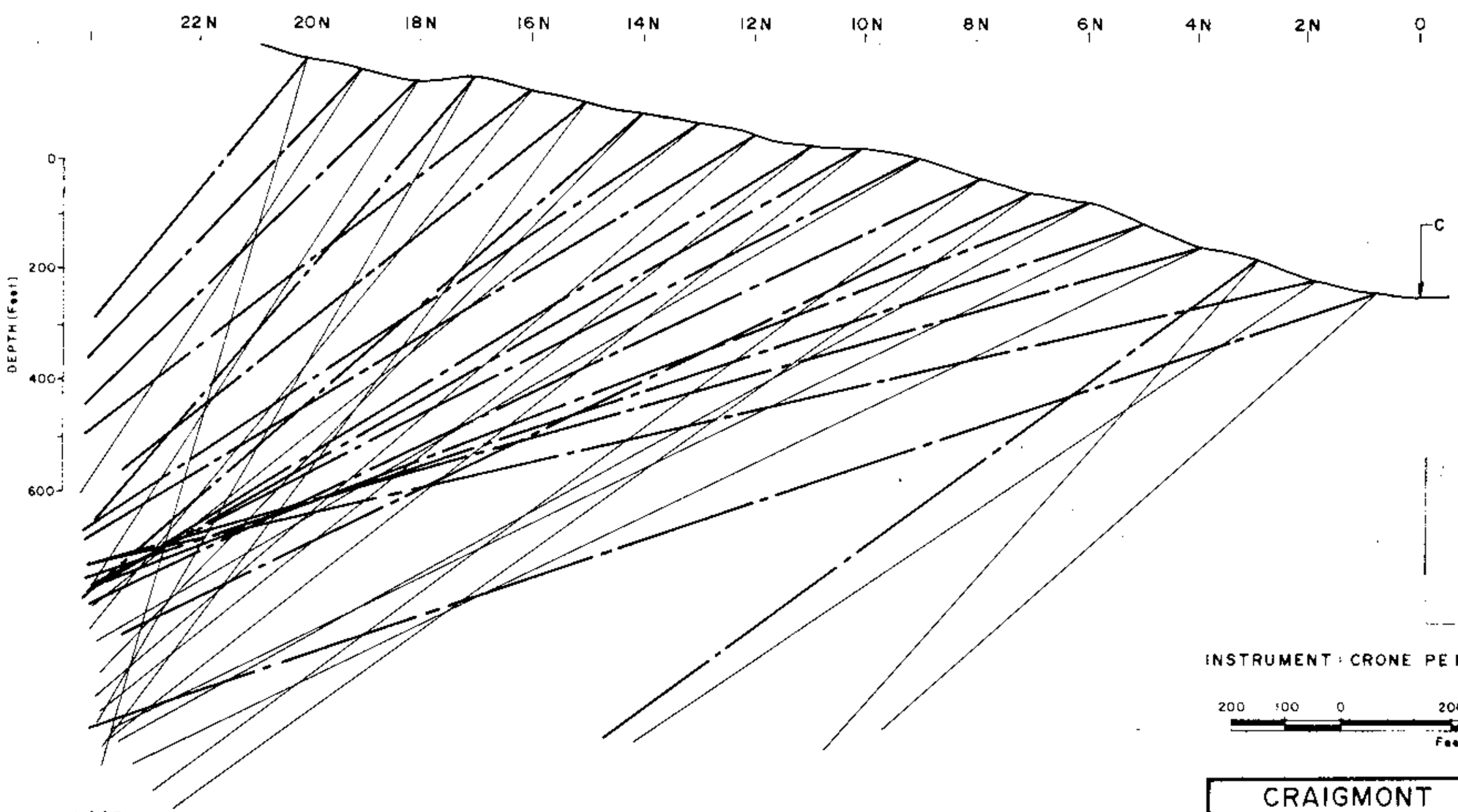
CHECKED BY :
DATE : JULY, 1978
FIG No : 10 A

6942



LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3 ——
CHANNEL 4 —·—
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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INSTRUMENT : CRONE PE M

200 100 0 200 400 600
Feet

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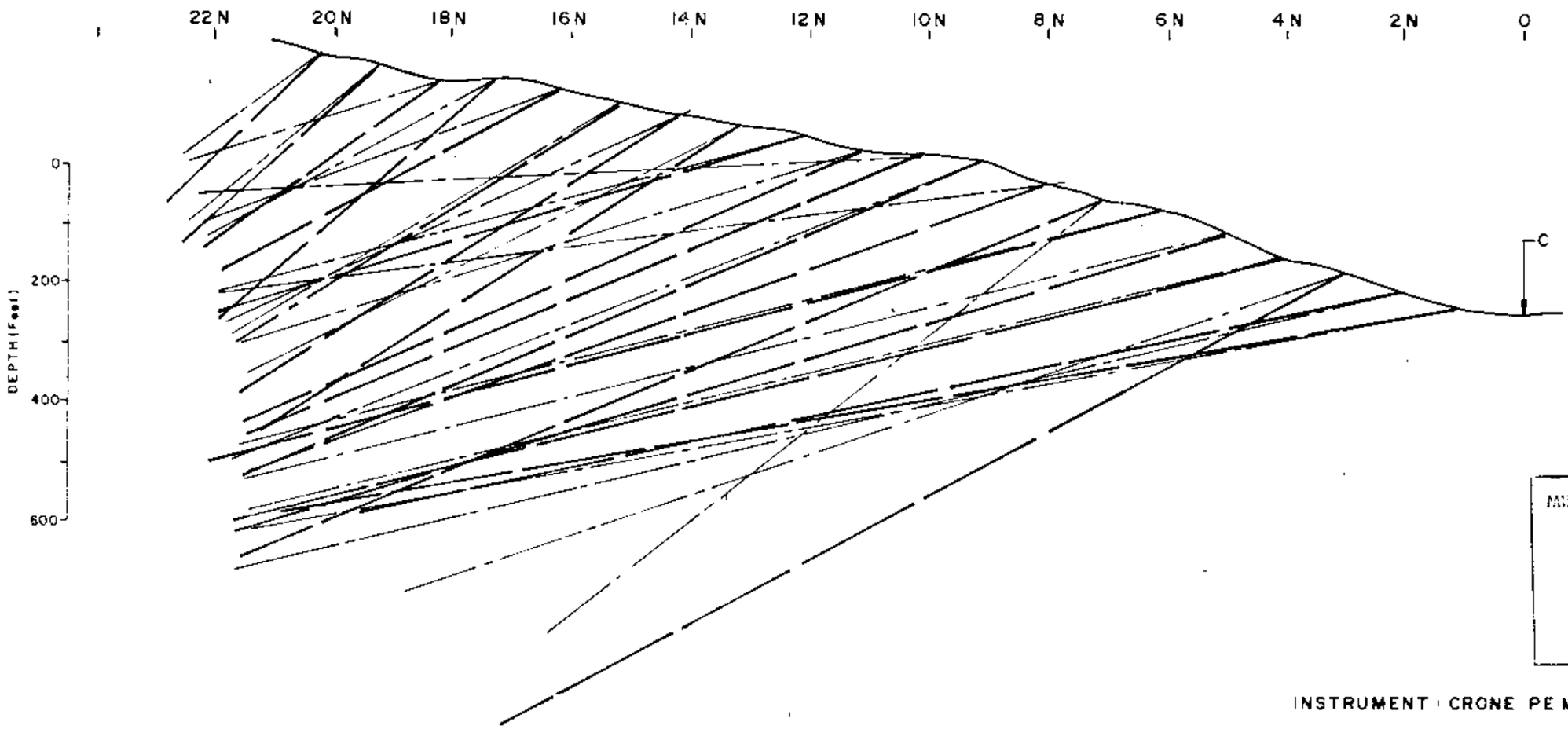
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1979	
FIG No : 10 B	



INSTRUMENT : CRONE PEM.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5 — —
CHANNEL 6 — · —
CHANNEL 7
CHANNEL 8

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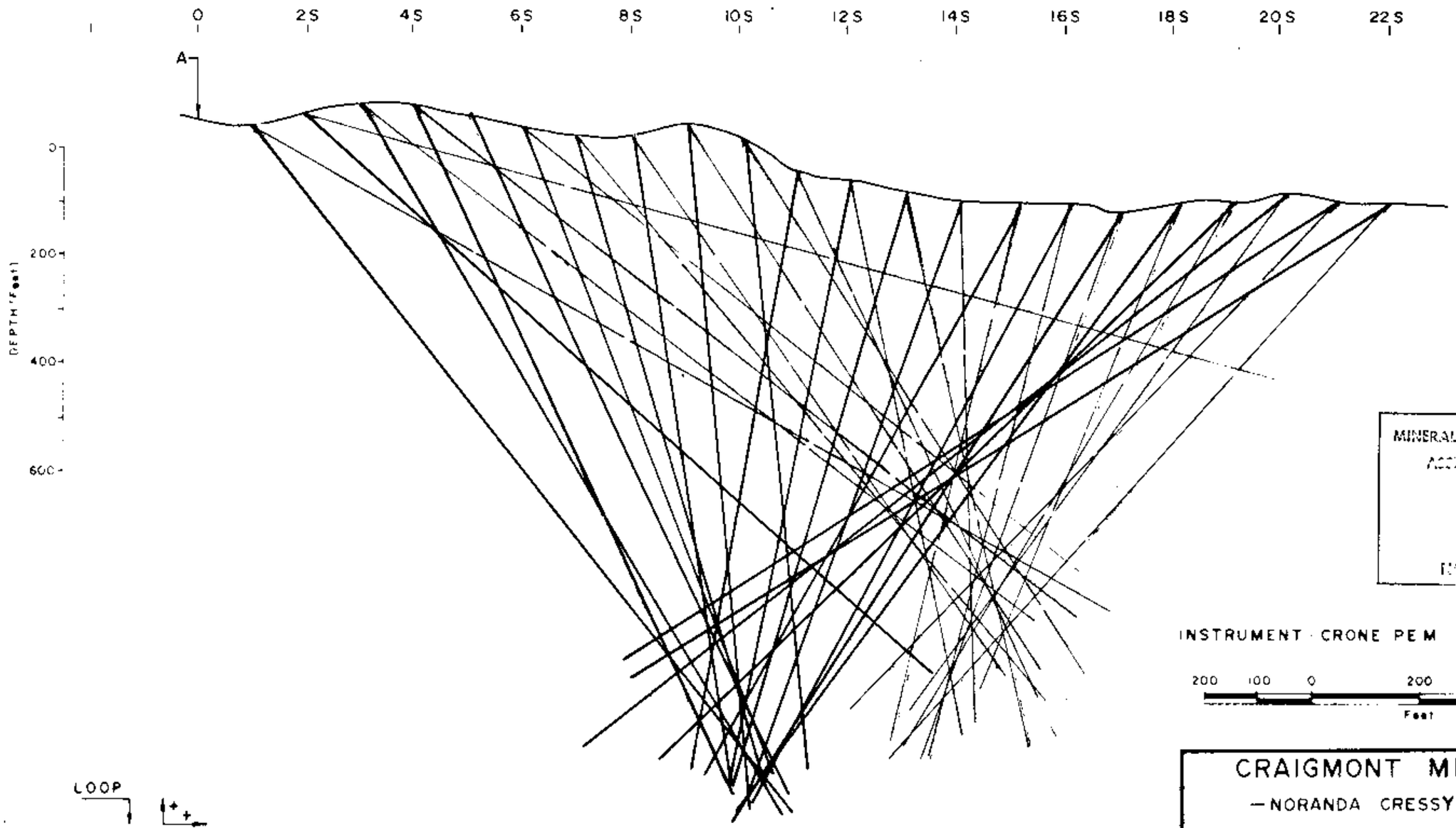
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG. No : 10C



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6942

INSTRUMENT - CRONE PEM

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5
CHANNEL 2 — — — CHANNEL 6
CHANNEL 3 CHANNEL 7
CHANNEL 4 CHANNEL 8

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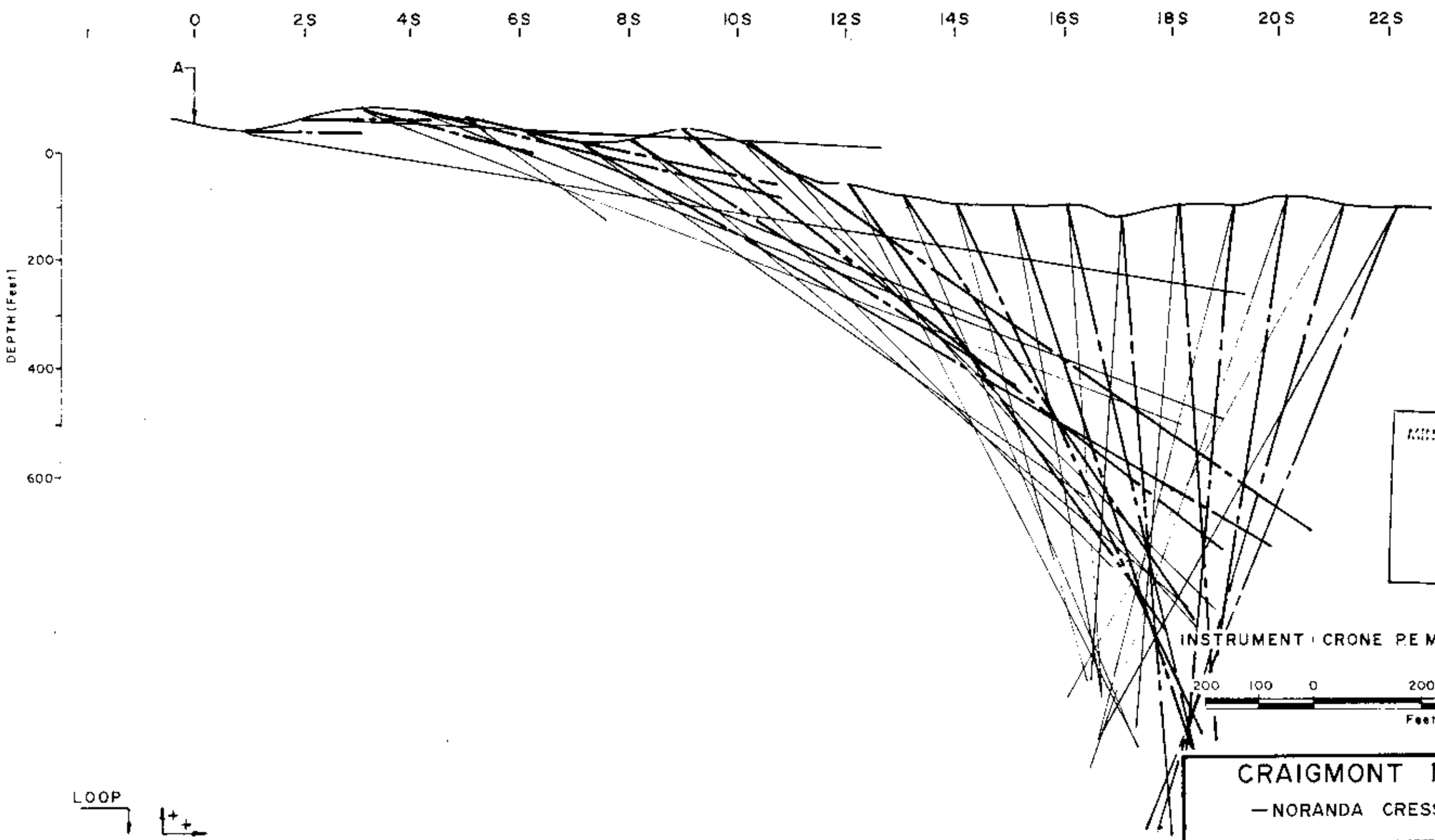
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1978	
FIG No : II A	



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6942

INSTRUMENT : CRONE P.E.M

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3 ———
CHANNEL 4 — · —
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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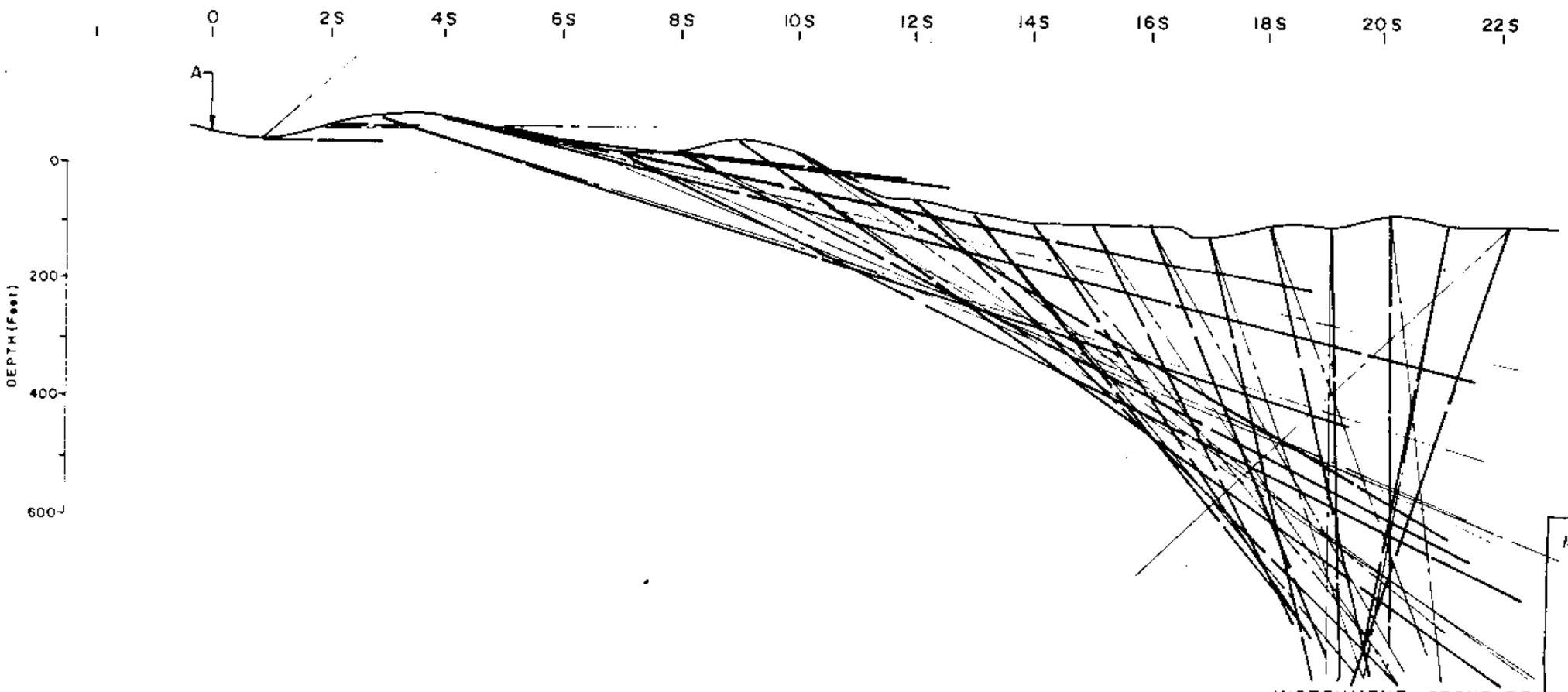
CHECKED BY :
DATE : JULY, 1978
FIG No : 118



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO.

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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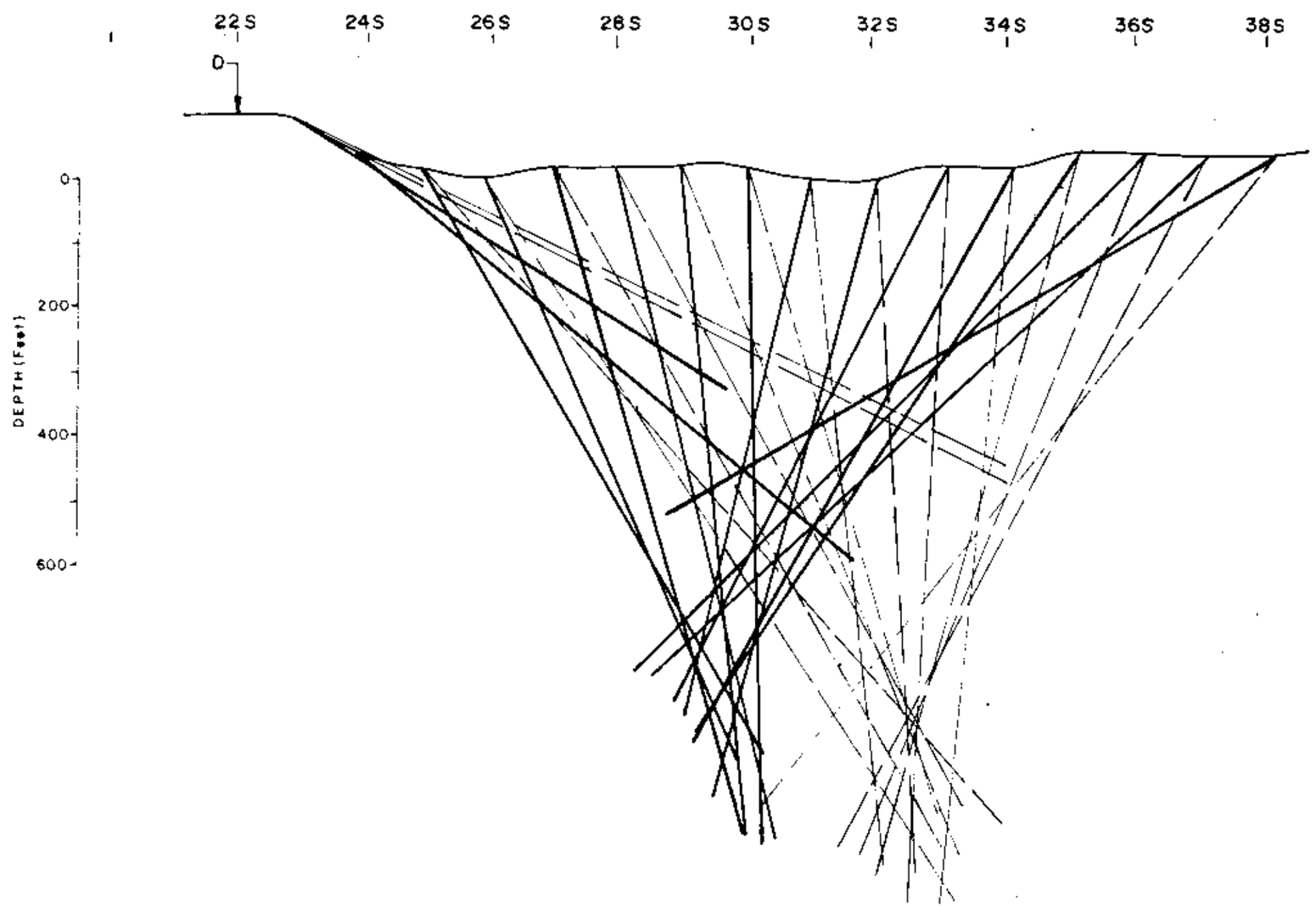
FIG No : 11 C

(SOUTHERN EXTENSION)



INSTRUMENT : CRONE PEM

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5
CHANNEL 2 — — CHANNEL 6
CHANNEL 3 CHANNEL 7
CHANNEL 4 CHANNEL 8

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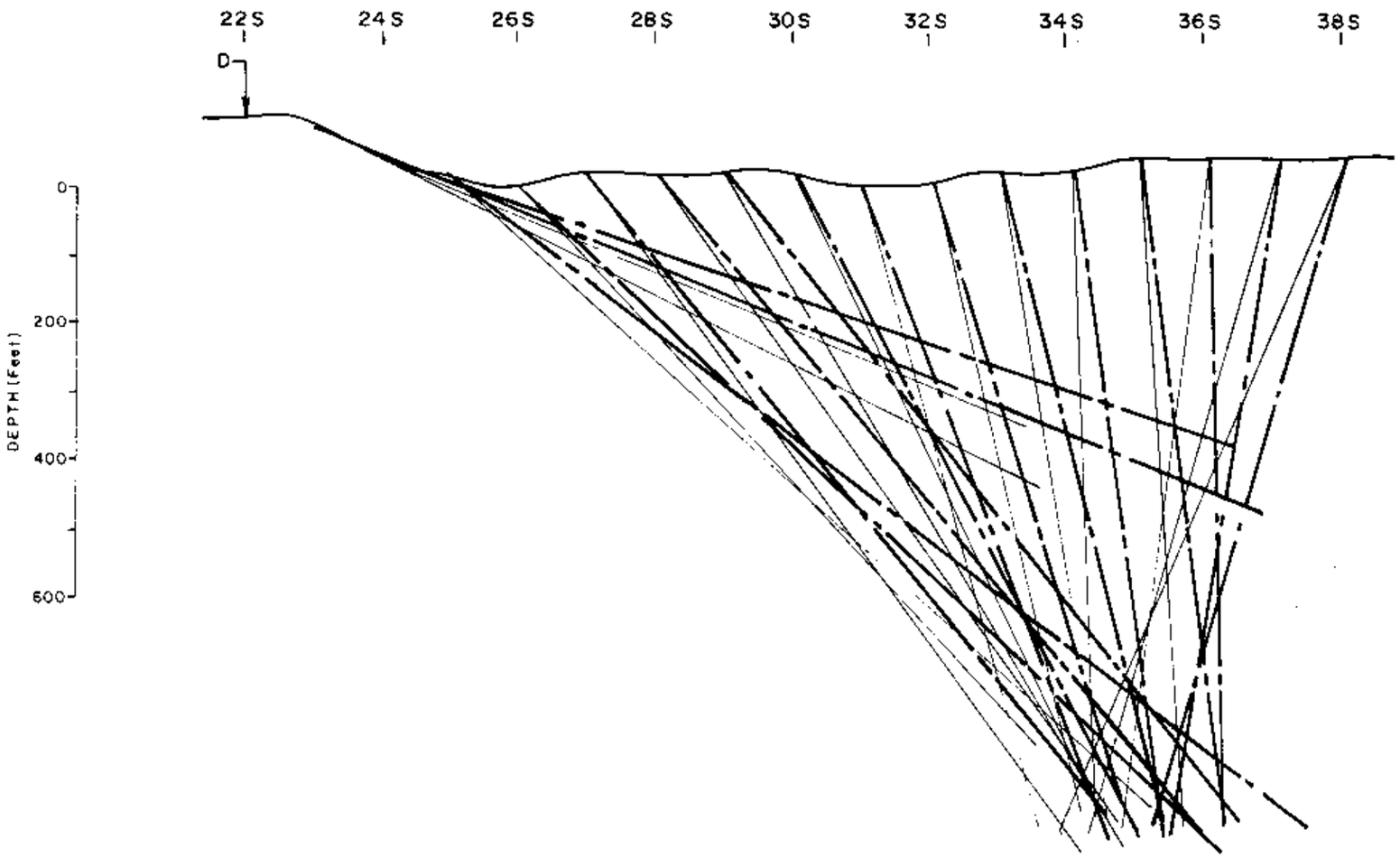
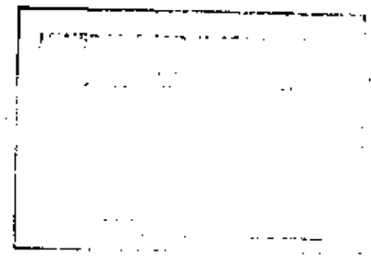
DRAWN BY : T.M
CHECKED BY :
DATE : JULY, 1978
FIG No : 12 A





INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600

Feet

LOOP

+ -

-VECTORS-

CHANNEL 1	CHANNEL 5
CHANNEL 2	CHANNEL 6
CHANNEL 3 ———	CHANNEL 7
CHANNEL 4 —·—	CHANNEL 8

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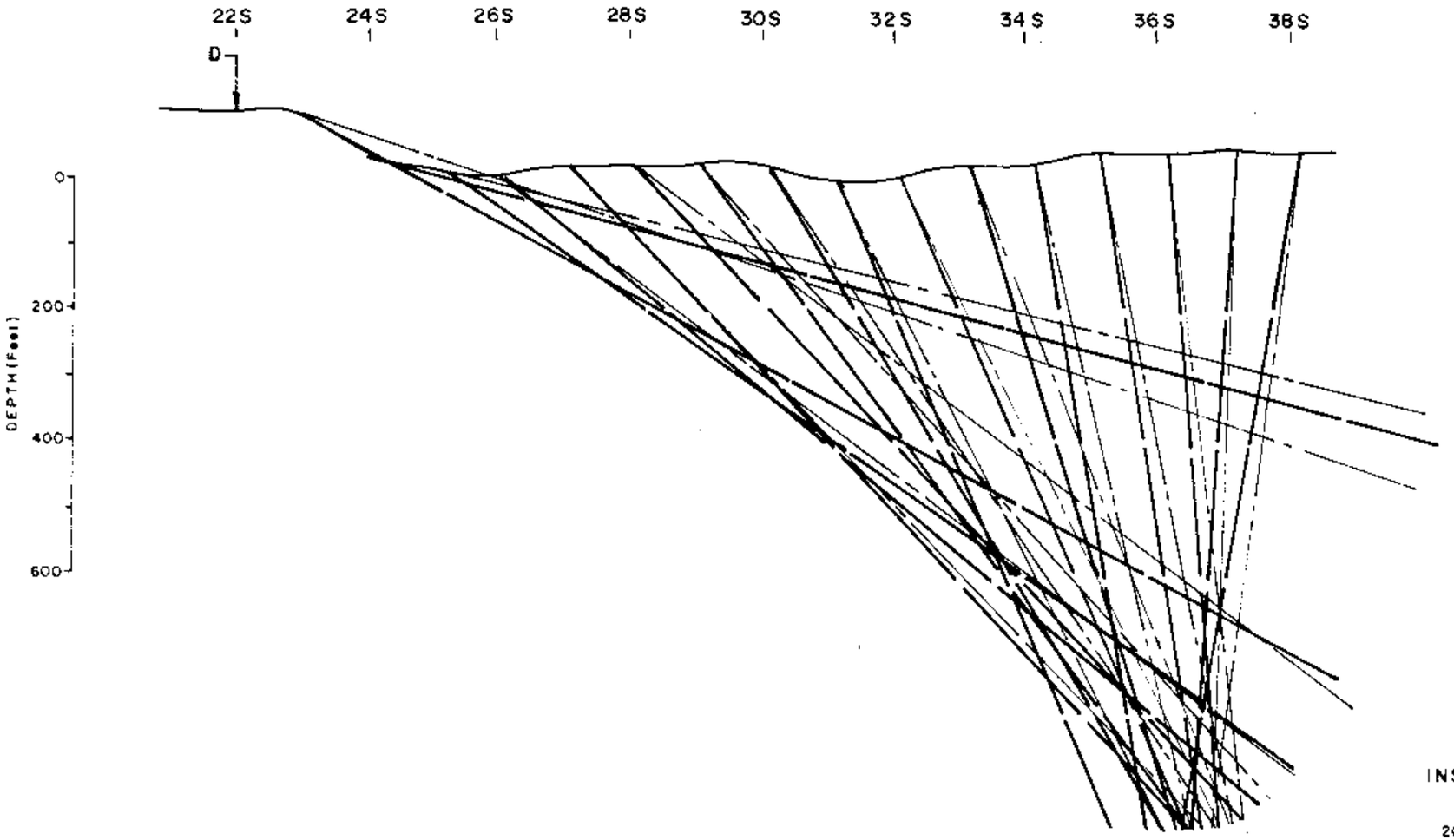
CHECKED BY :	
DATE : JULY, 1978	
FIG. No : 12 B	



LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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INSTRUMENT : CRONE PEM

200 100 0 200 400 600
Feet

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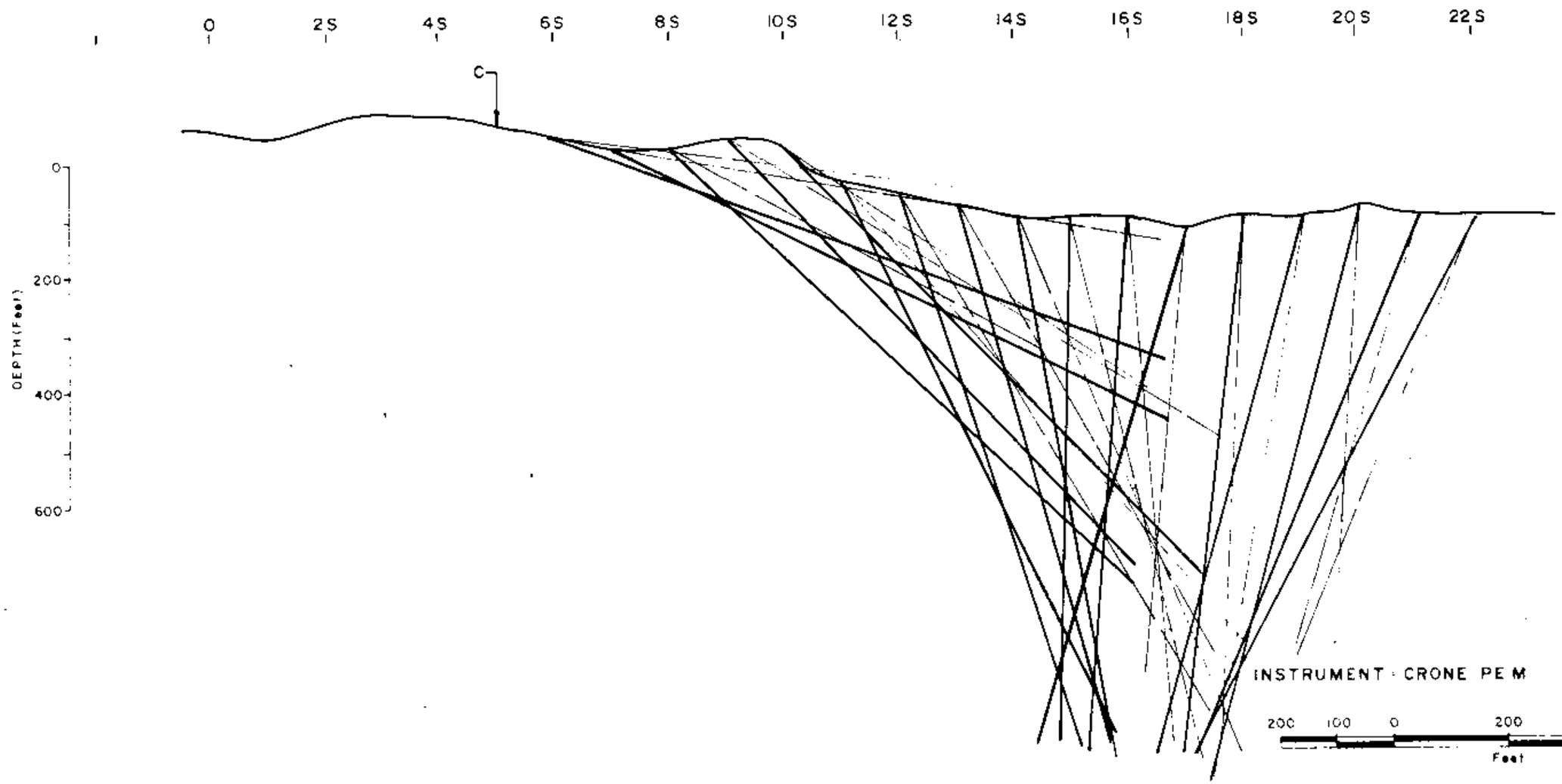
DATE : JULY, 1978	
FIG No : 12 C	



INSTRUMENT - CRONE PEM

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
6942

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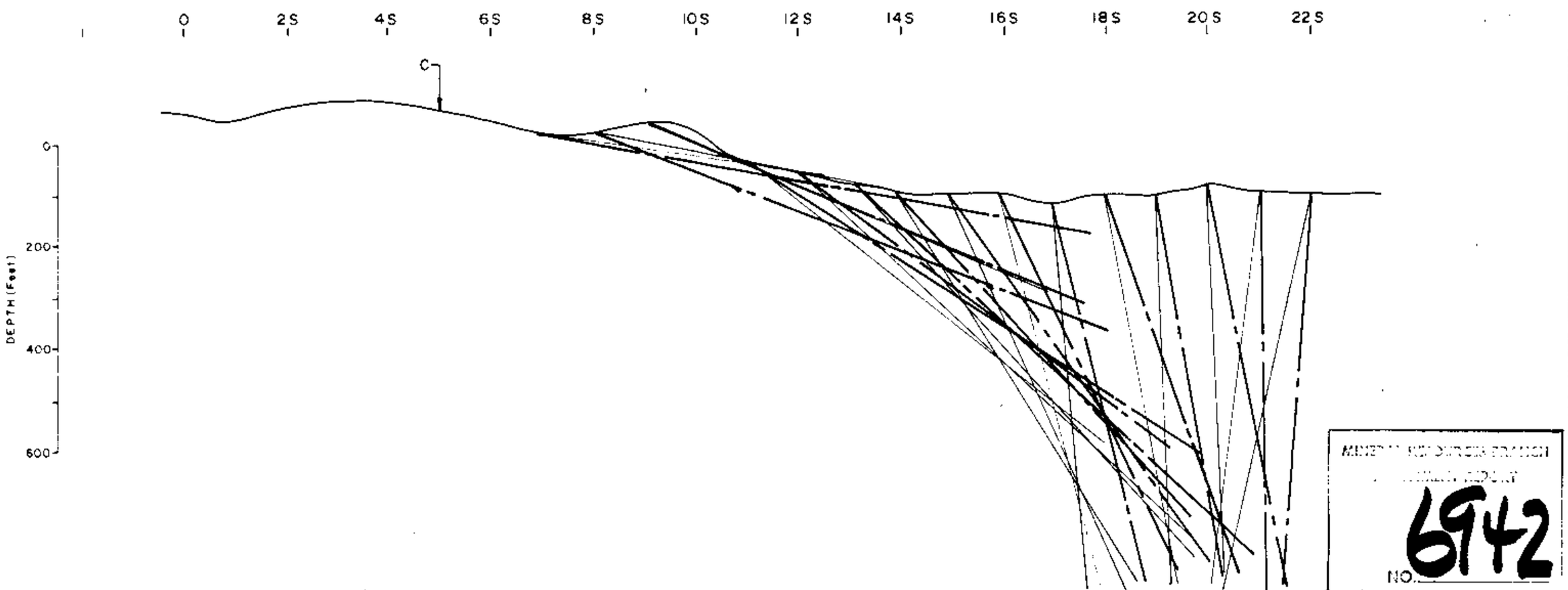
FIG No : 13 A



MINISTRY OF NORTHERN AFFAIRS
PROJECT
NO. 6942

INSTRUMENT : CRONE PE M

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1		CHANNEL 5	
CHANNEL 2		CHANNEL 6	
CHANNEL 3	———	CHANNEL 7	
CHANNEL 4	——— - -	CHANNEL 8	

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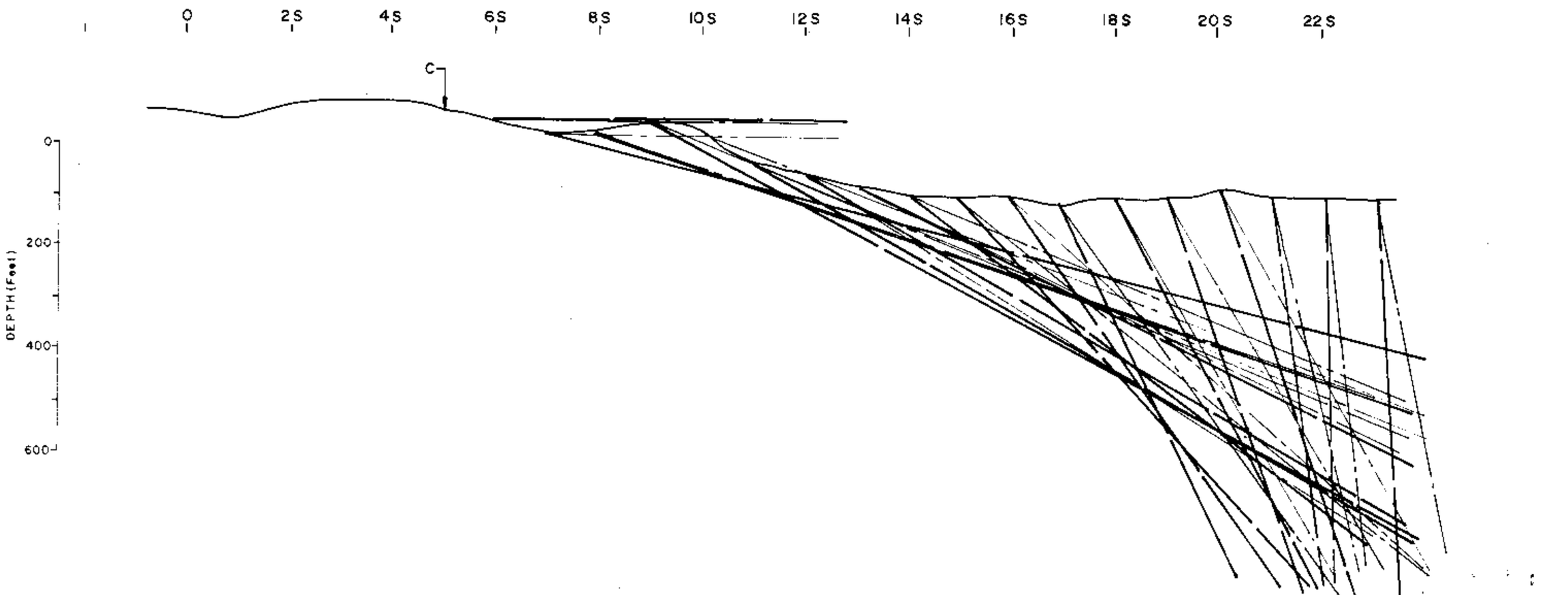
DATE : JULY, 1978
FIG No : 13 B



INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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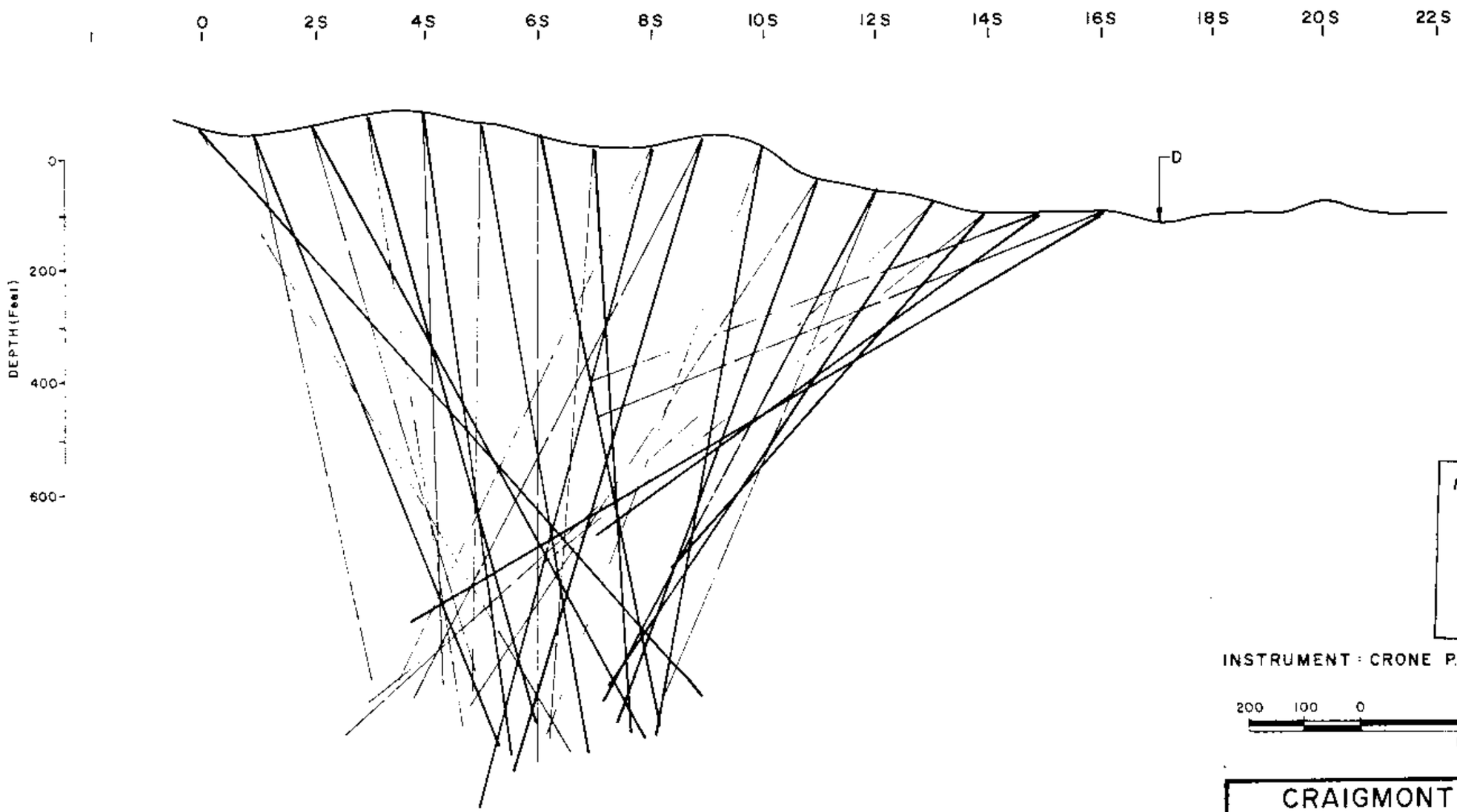
CHECKED BY :
DATE : JULY, 1978
FIG No : 13 C



LOOP

-VECTORS-

CHANNEL 1 ——————
CHANNEL 2 —— ——
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

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LINE 30+00 E

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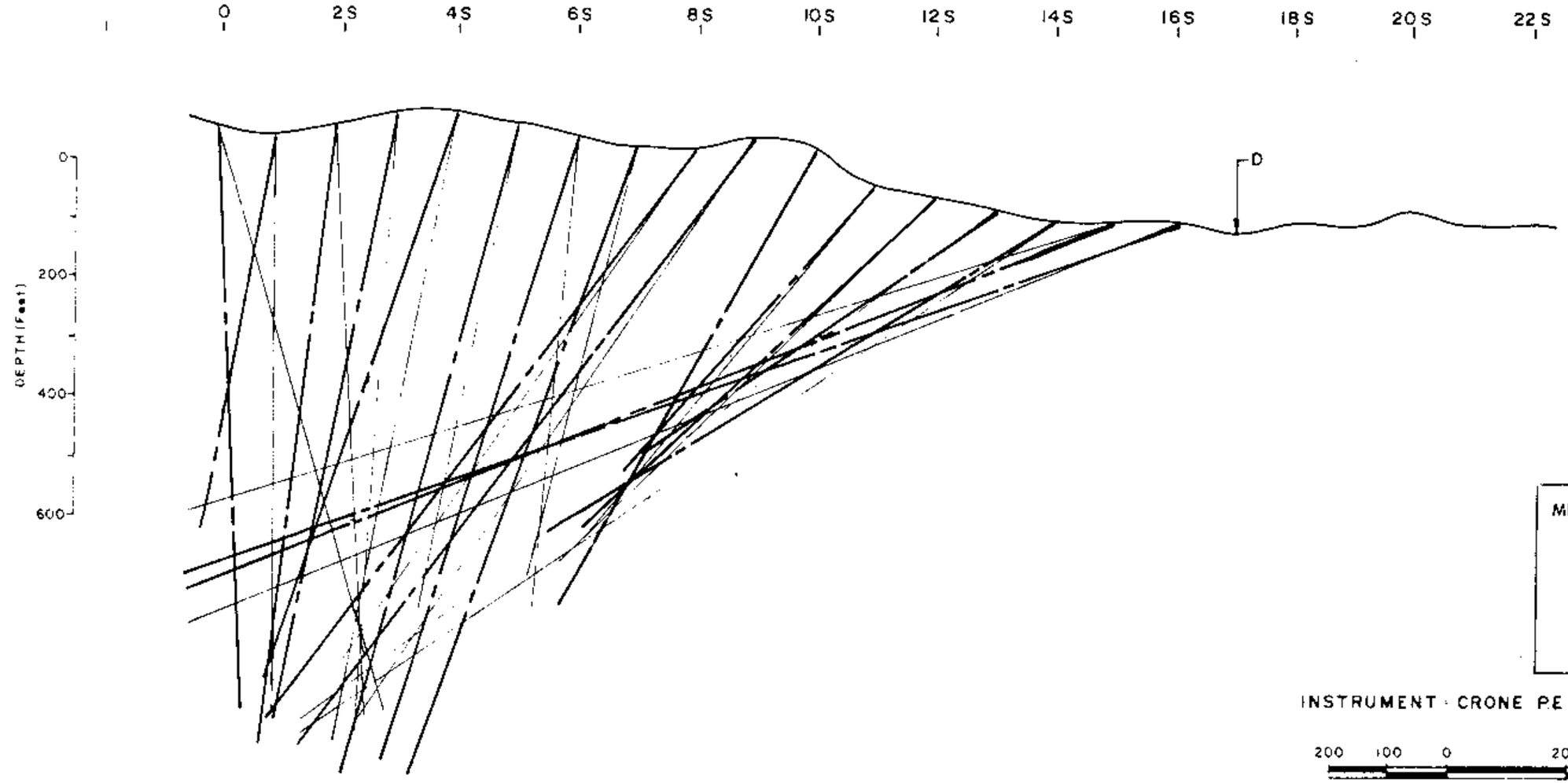
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 14 A	



LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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ASSESSMENT REPORT
NO. 6942

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

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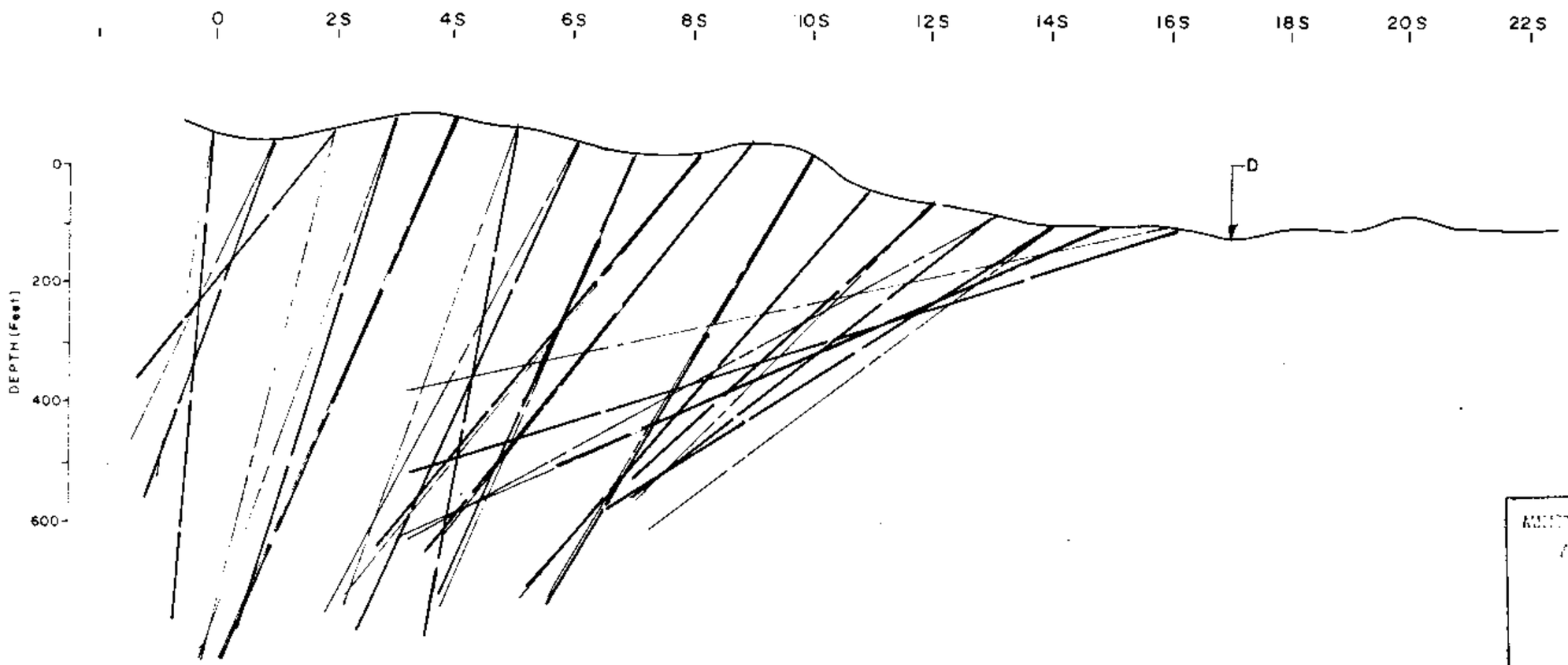
CHECKED BY :
DATE : JULY, 1978
FIG No : 14 B



LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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INSTRUMENT : CRONE PEM

200 100 0 200 400 600
Feet

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VECTOR SECTION
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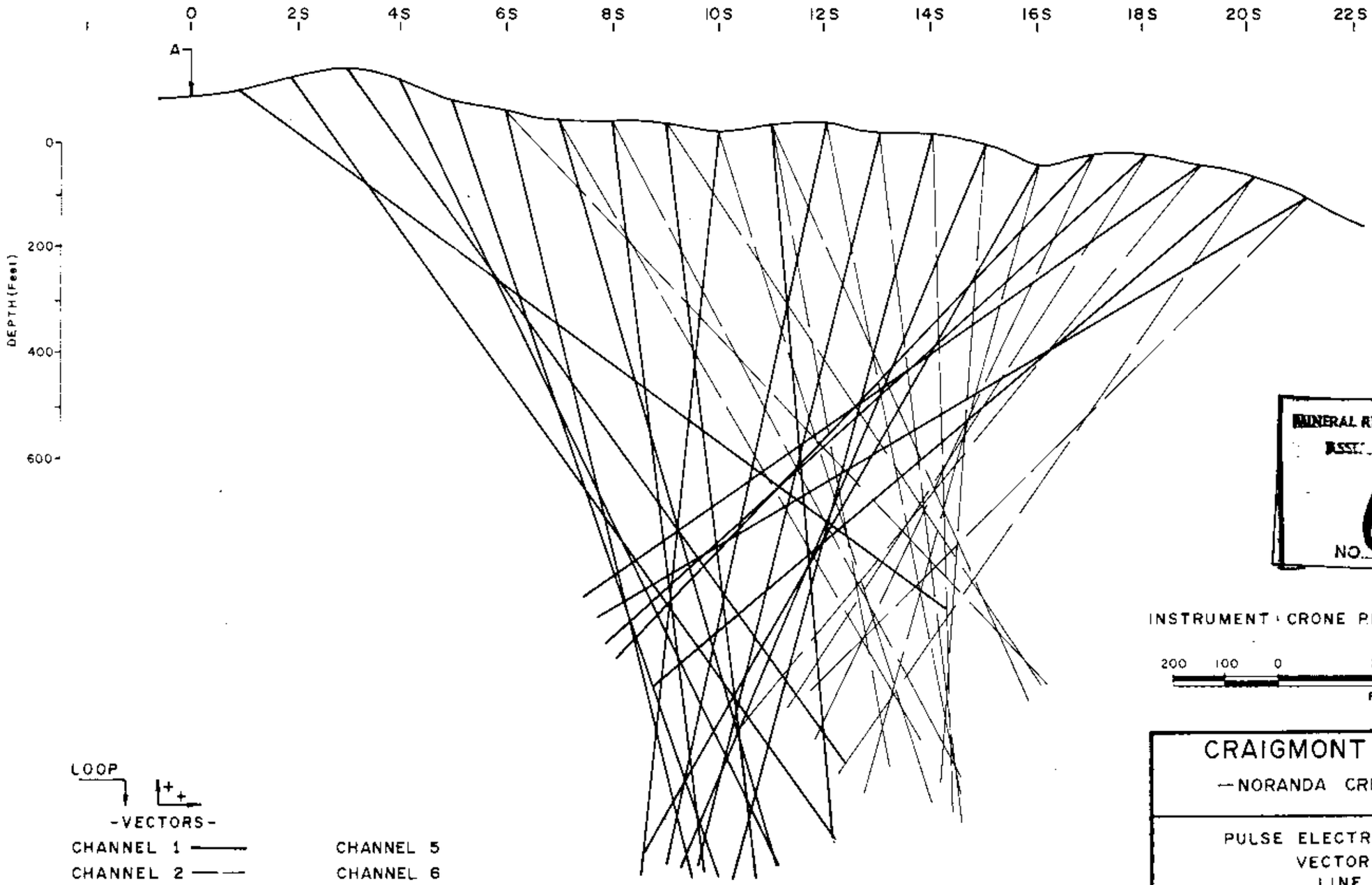
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 14 C	



INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5
CHANNEL 2 — — CHANNEL 6
CHANNEL 3 CHANNEL 7
CHANNEL 4 CHANNEL 8

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VECTOR SECTION
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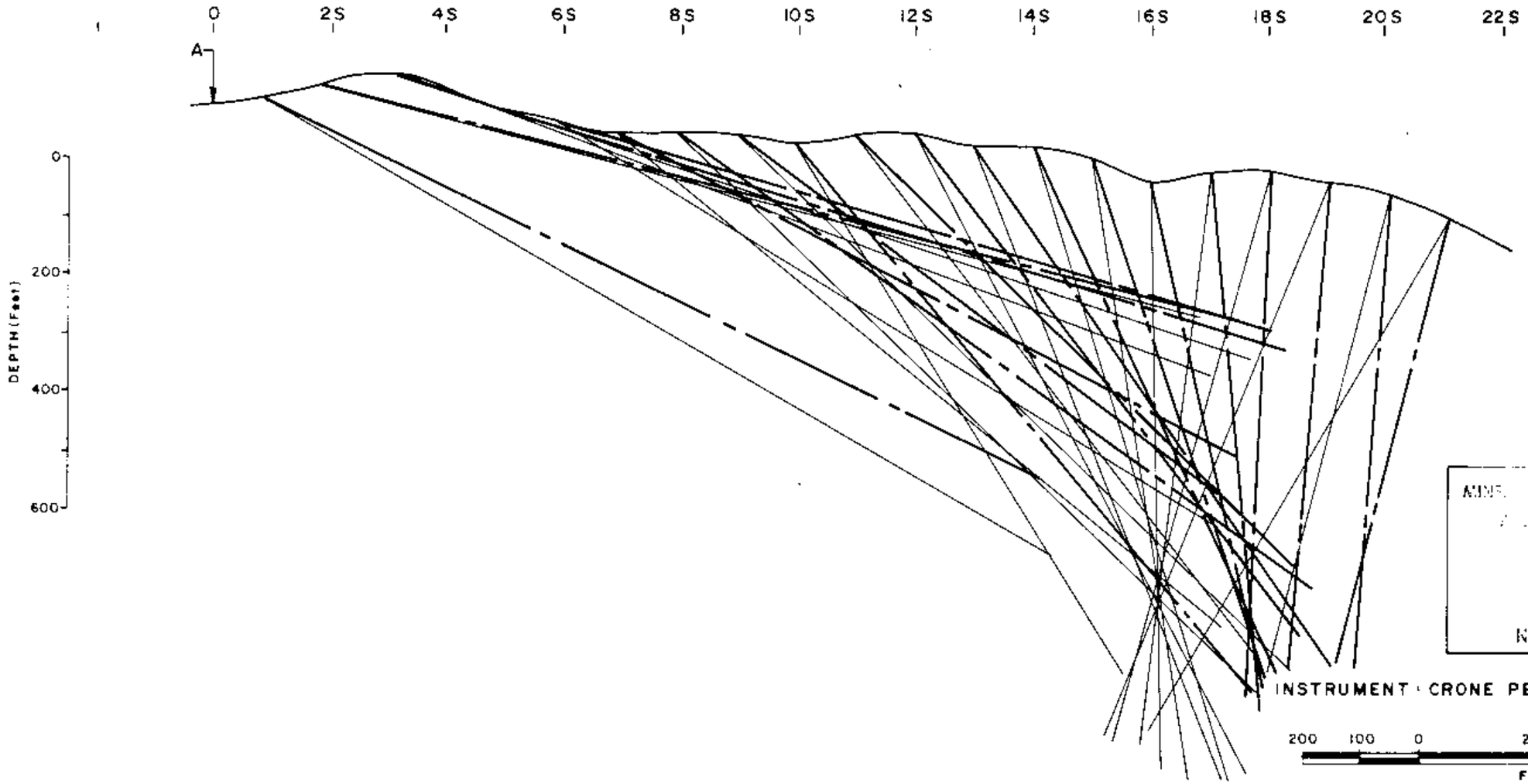
FIG No : 15 A



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NO. 6942

INSTRUMENT : CRONE PEM.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3 ———
CHANNEL 4 —·—·—
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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VECTOR SECTION
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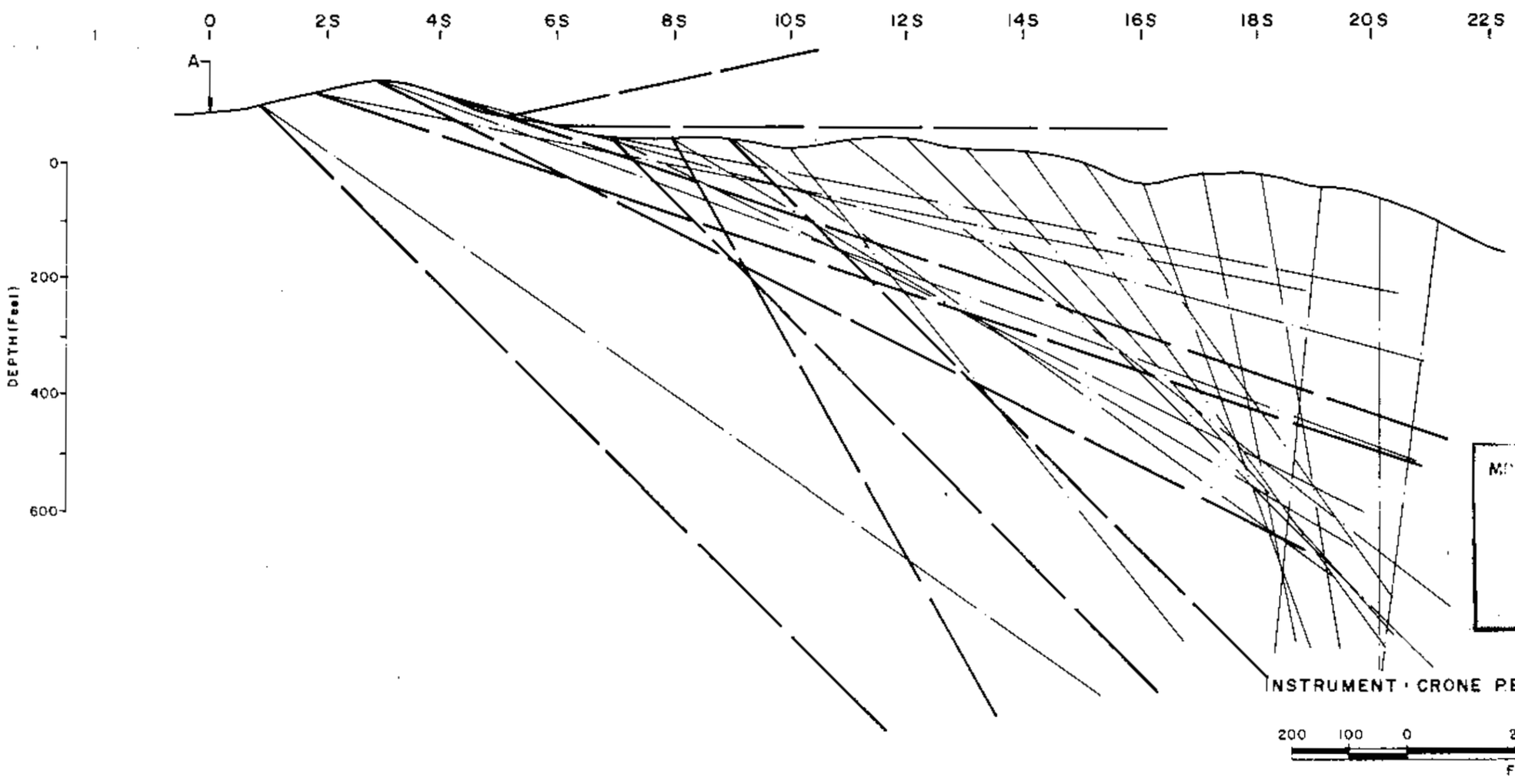
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG No : 15 B



INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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VECTOR SECTION
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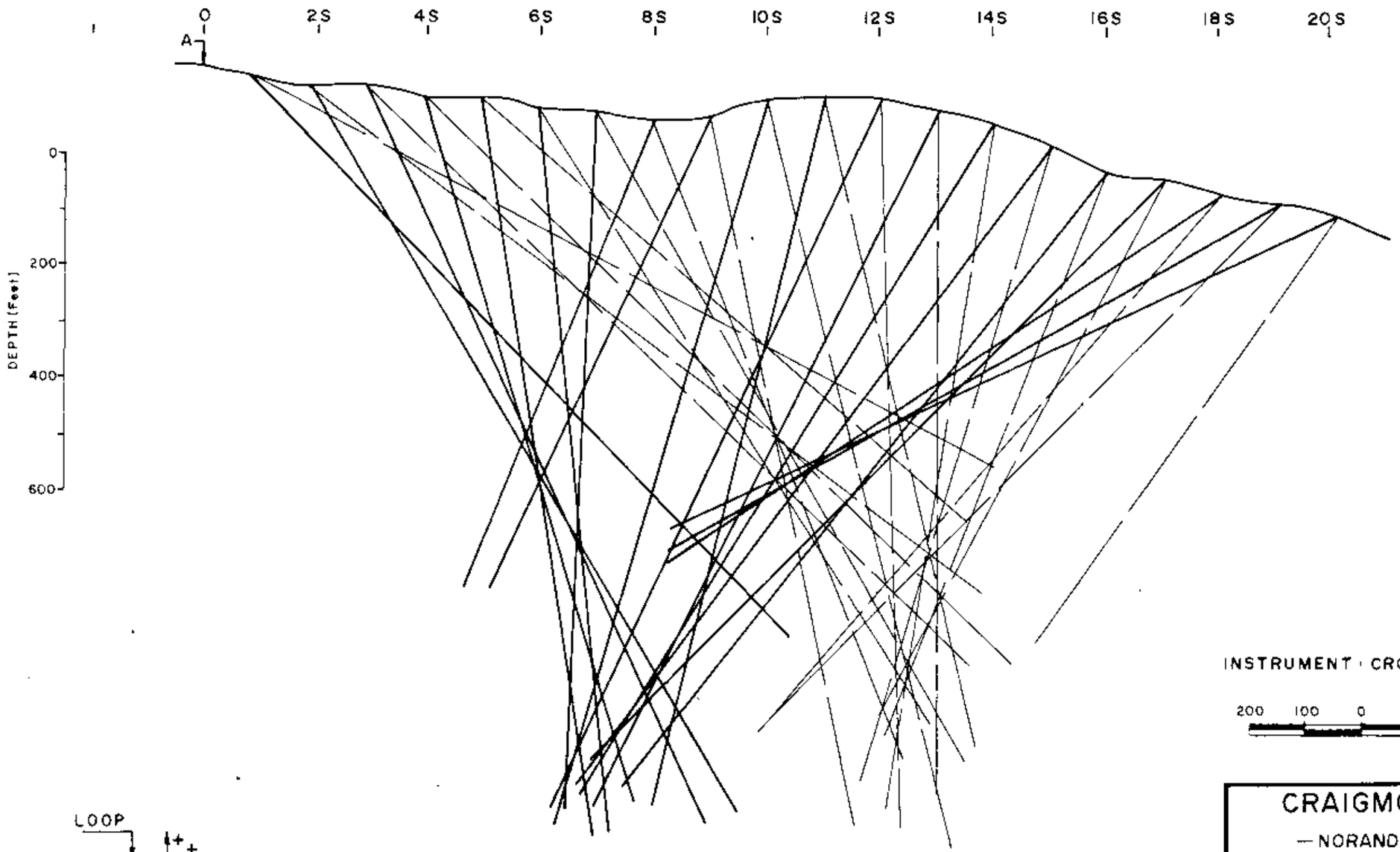
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG No : 15 C

NO. 6942



INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5
CHANNEL 2 — — CHANNEL 6
CHANNEL 3 CHANNEL 7
CHANNEL 4 CHANNEL 8

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VECTOR SECTION
LINE 40+00 E

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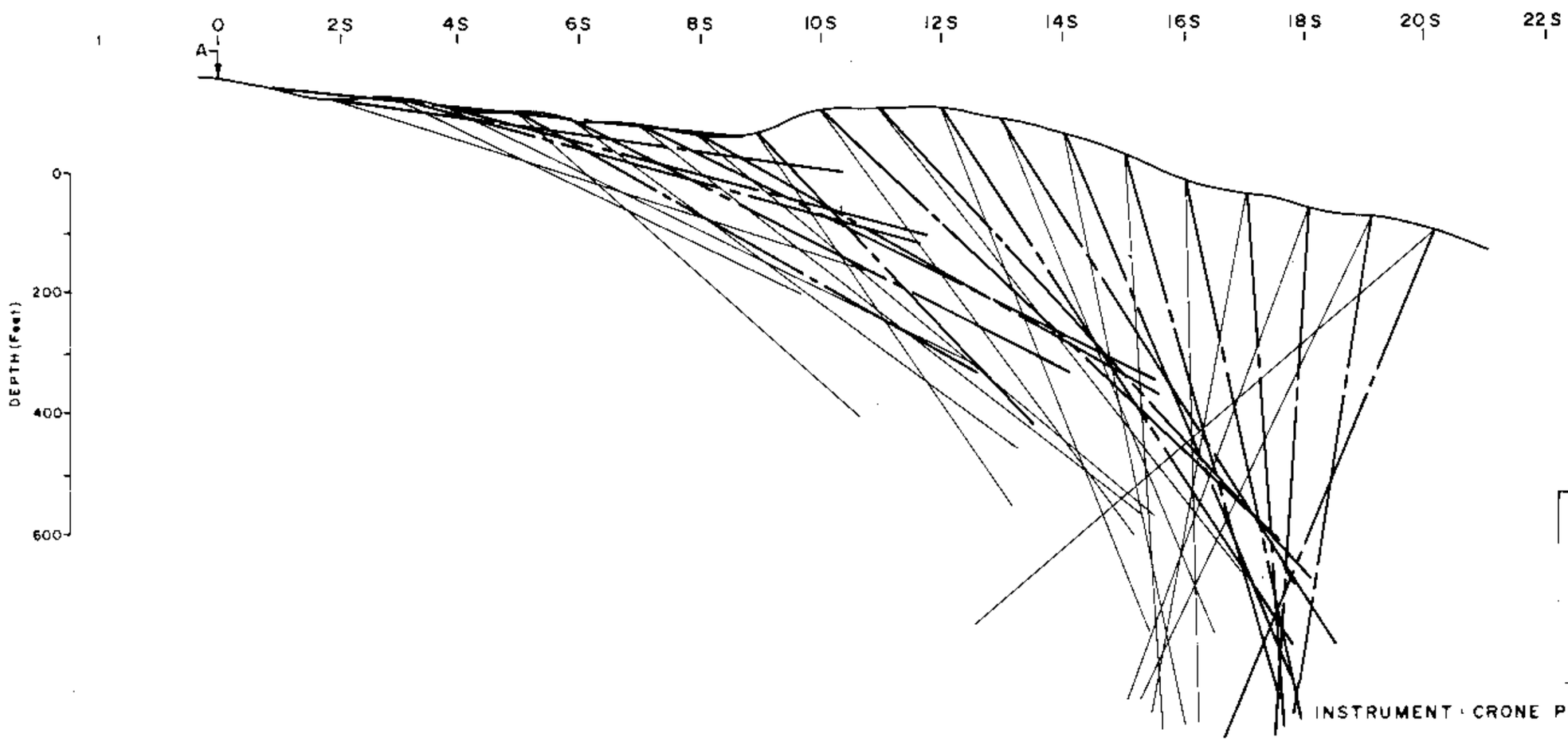
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 16 A	



INSTRUMENT : CRONE PEM

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3 ———
CHANNEL 4 —·—·—
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

To Accompany Geophysical Report on
THE NORANDA CRESSY PROJECT
Date .....
By GLEN E WHITE B.Sc. ..... GEOPHYSICIST

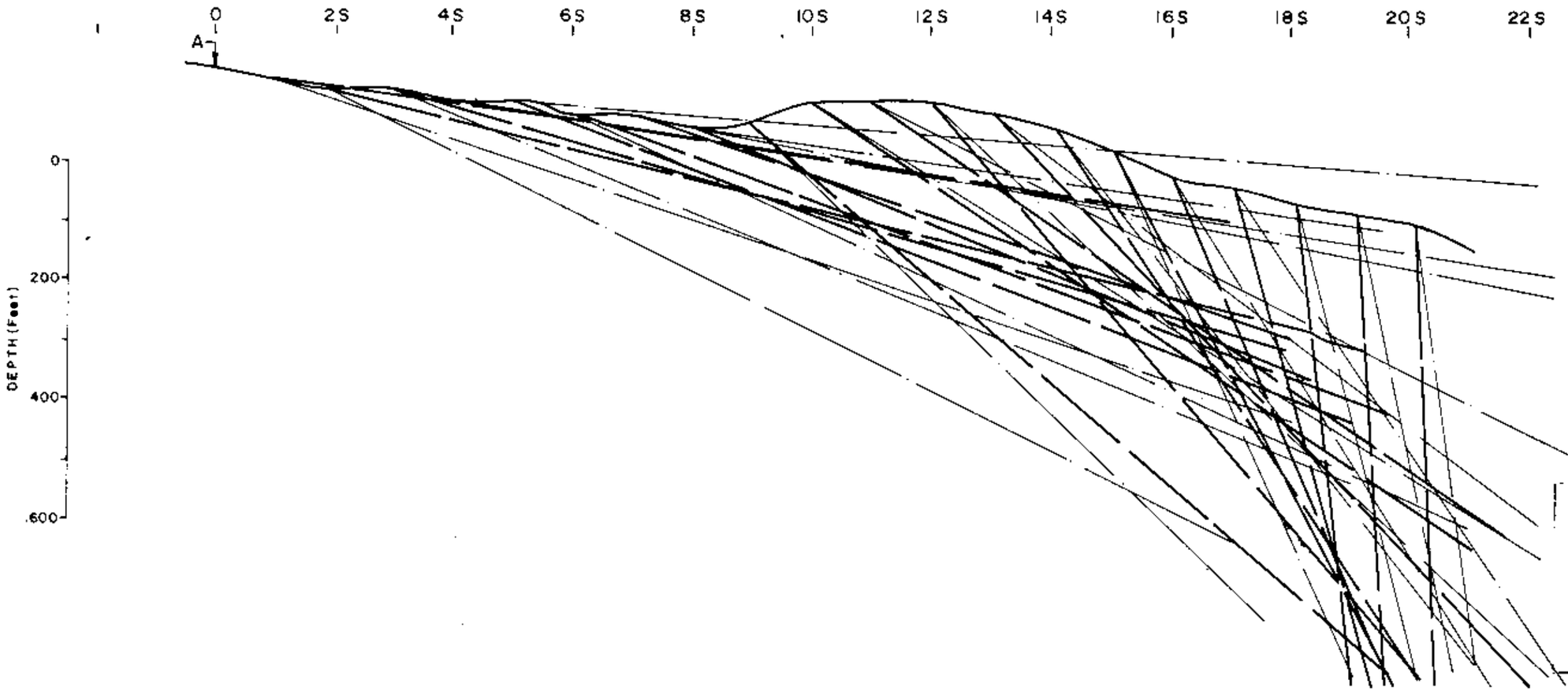
CRAIGMONT MINES LTD.

— NORANDA CRESSY PROJECT —

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 40+00 E

Glen E White
geophysical consulting
& services ltd.

INTERPRETED BY : G.E.W.
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG No : 16.B



INSTRUMENT : CRONE PEM

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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VECTOR SECTION
LINE 40+00 E

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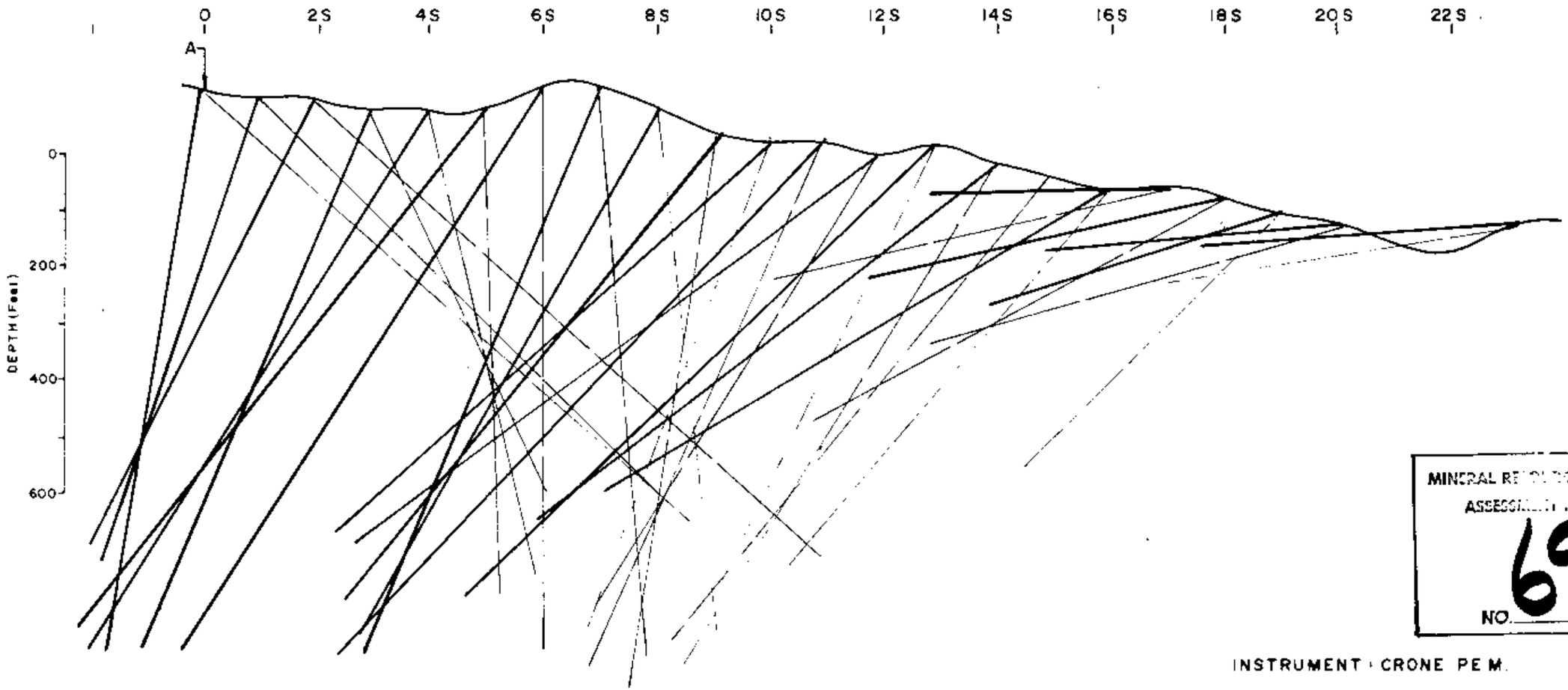
services ltd.

INTERPRETED BY : G.E.W.	
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1978	
FIG. No : 18 C	

6942



LOOP

-VECTORS-

CHANNEL 1	CHANNEL 5
CHANNEL 2	CHANNEL 6
CHANNEL 3	CHANNEL 7
CHANNEL 4	CHANNEL 8

To Accompany Geophysical Report on
THE NORANDA CRESSY PROJECT
Date .....
by GLEN E WHITE & S. ..... GEOPHYSICIST

INSTRUMENT : CRONE PEM.

200 100 0 200 400 600
Feet

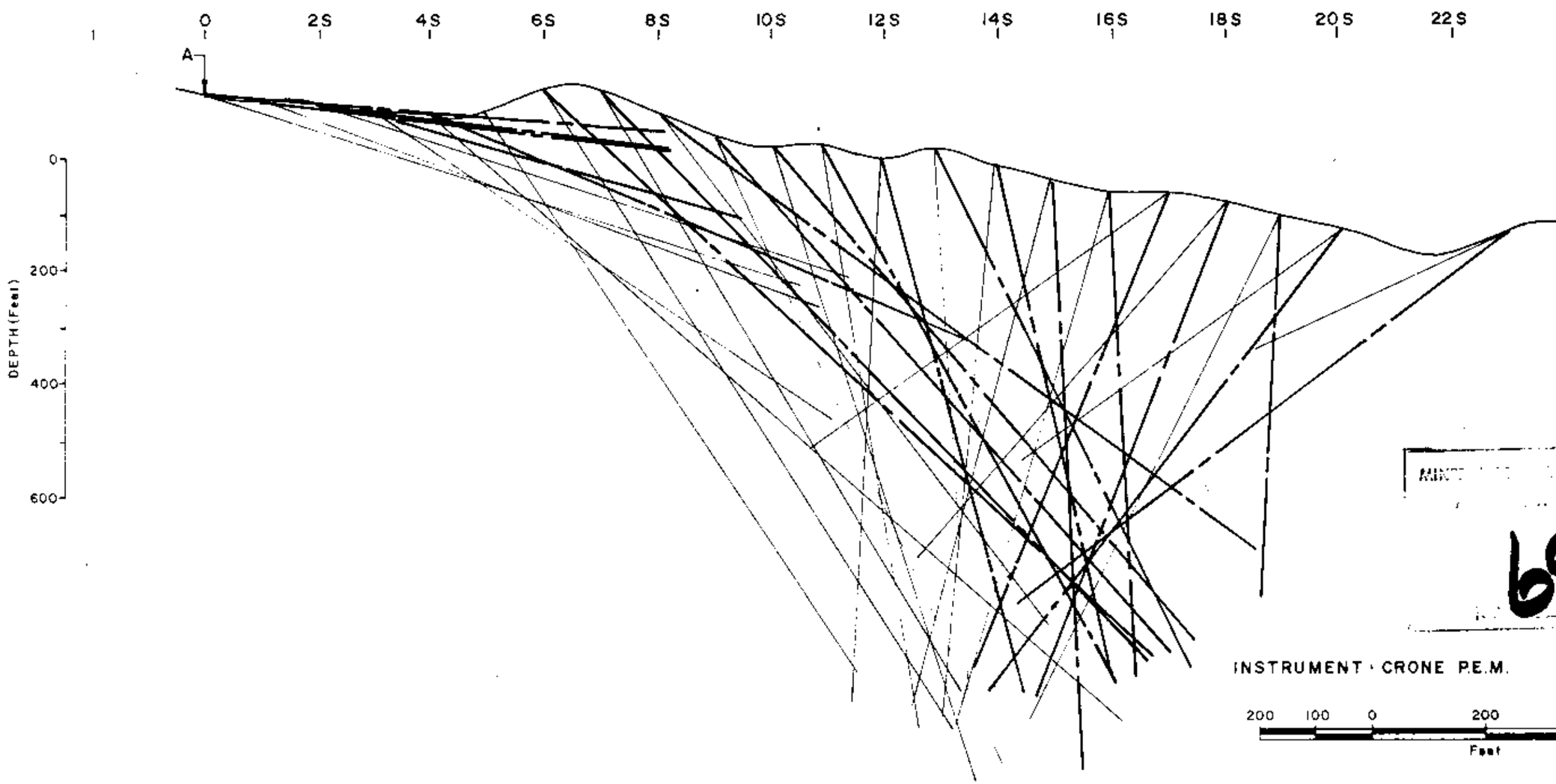
CRAIGMONT MINES LTD.

—NORANDA CRESSY PROJECT—

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 45+00 E

Glen E White
geophysical consulting
& services ltd.

INTERPRETED BY : G.E.W.
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG No : 17 A



6942

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 — CHANNEL 5
CHANNEL 2 — CHANNEL 6
CHANNEL 3 — CHANNEL 7
CHANNEL 4 — CHANNEL 8

To Accompany Geophysical Report on
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Date
By GLEN E WHITE - & S. GEOPHYSICIST

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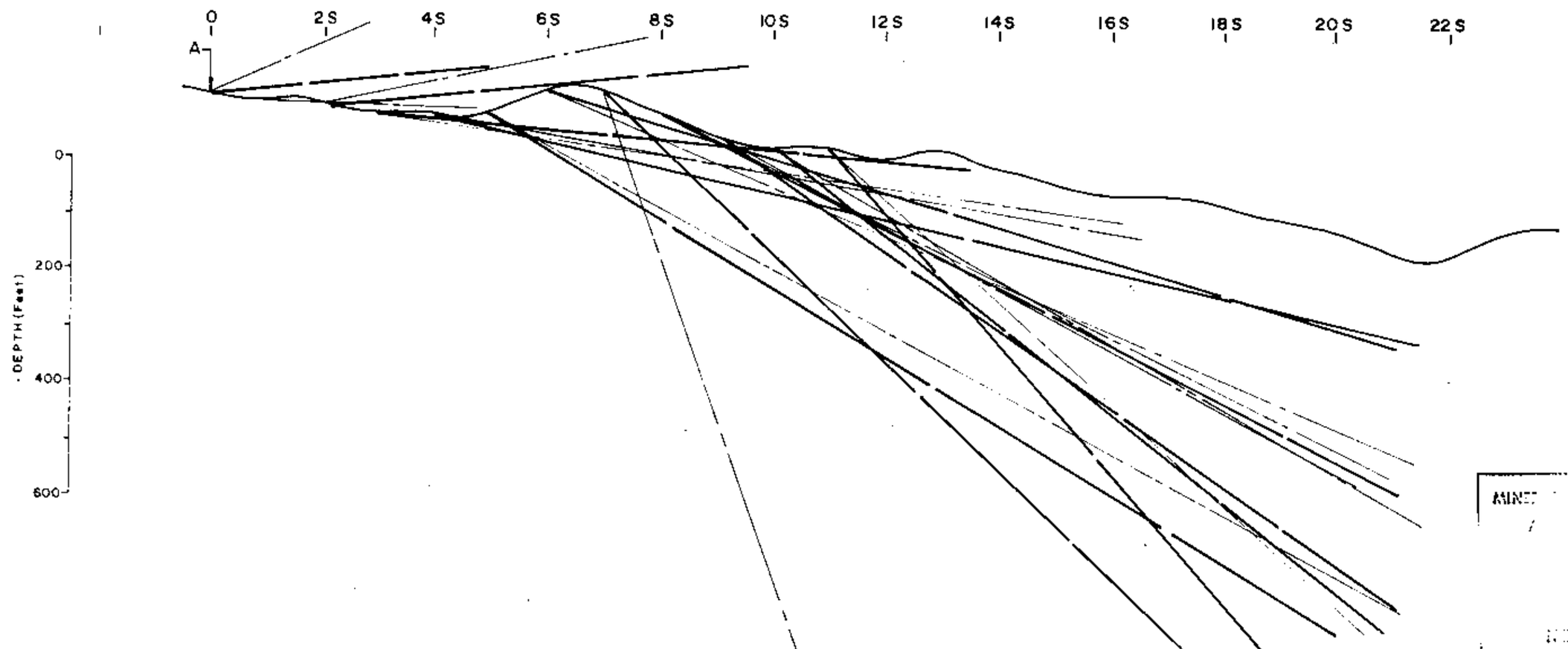
—NORANDA CRESSY PROJECT—

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 45+00 E

Glen E. White geophysical consulting & services ltd.

INTERPRETED BY : G.E.W.
DRAWN BY : T.M
CHECKED BY :
DATE : JULY, 1978
FIG No : 17 B



MINE[illegible] REPORT

6942

INSTRUMENT : CRONE PEM.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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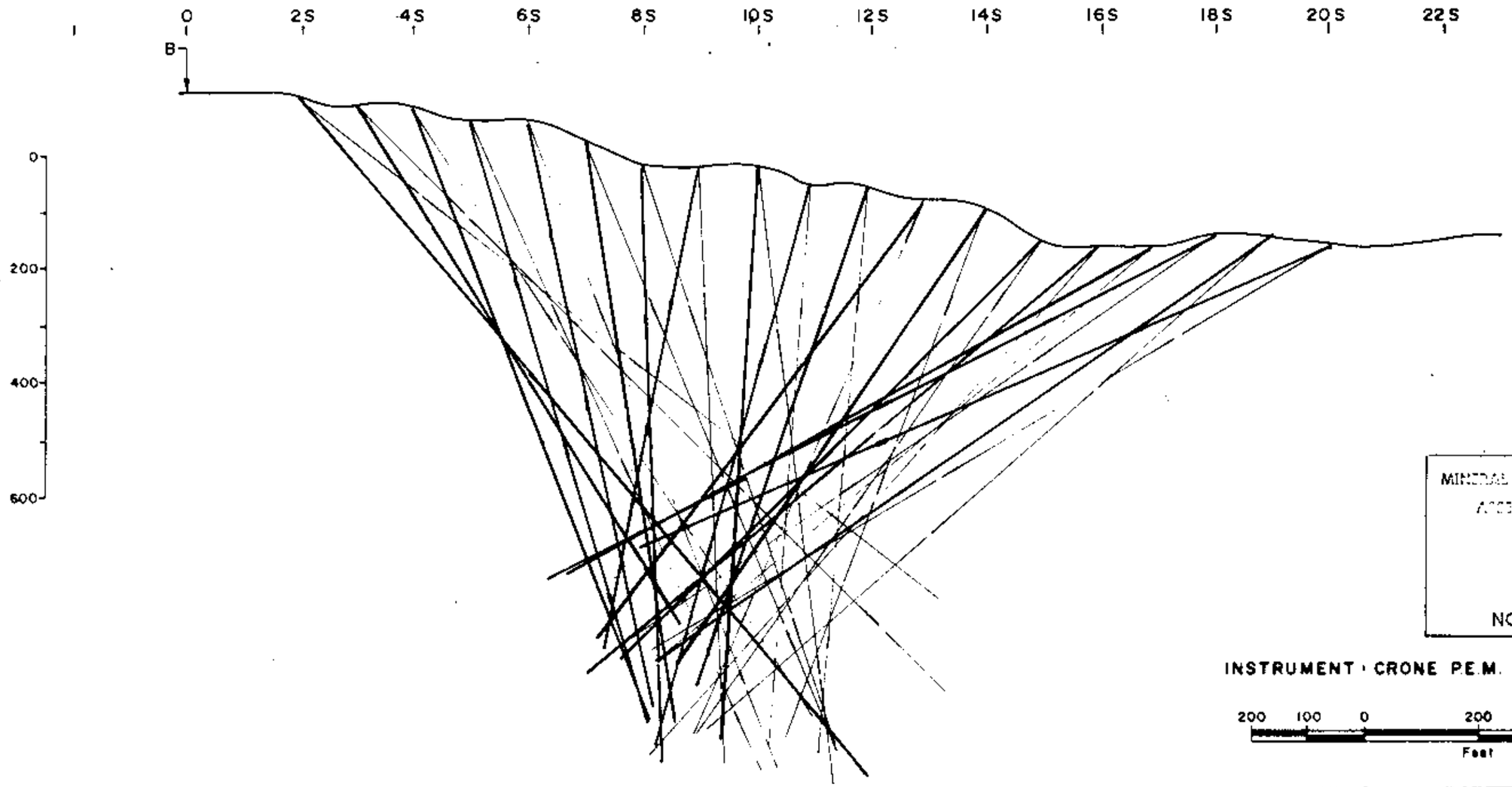
— NORANDA CRESSY PROJECT —

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 45+00 E

Glen E White geophysical consulting & services ltd.

INTERPRETED BY : G.E.W.
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG. No : 17 C



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6942

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5
CHANNEL 2 — — — CHANNEL 6
CHANNEL 3 CHANNEL 7
CHANNEL 4 CHANNEL 8

To Accompany Geophysical Report on
THE NORANDA CRESSEY PROJECT
Date .....
By GLEN E WHITE - B Sc ..... GEOPHYSICIST

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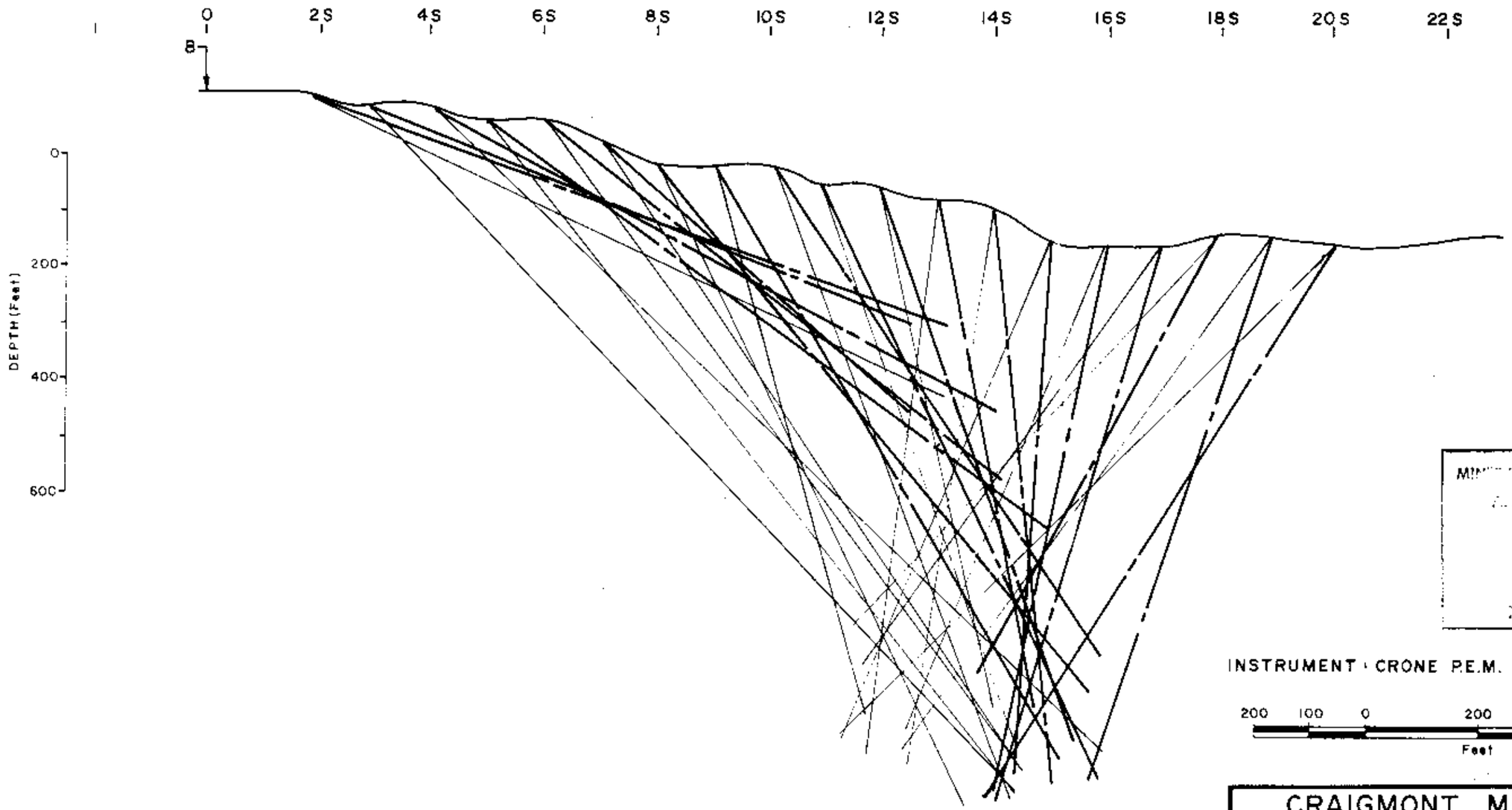
—NORANDA CRESSY PROJECT—

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 50+00 E

Glen E. White
geophysical consulting
& services ltd.

INTERPRETED BY : G.E.W.
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1978
FIG. No. : 18 A



INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1	CHANNEL 5
CHANNEL 2	CHANNEL 6
CHANNEL 3 ———	CHANNEL 7
CHANNEL 4 ——— · ———	CHANNEL 8

To Accompany Geophysical Report on
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Date .....
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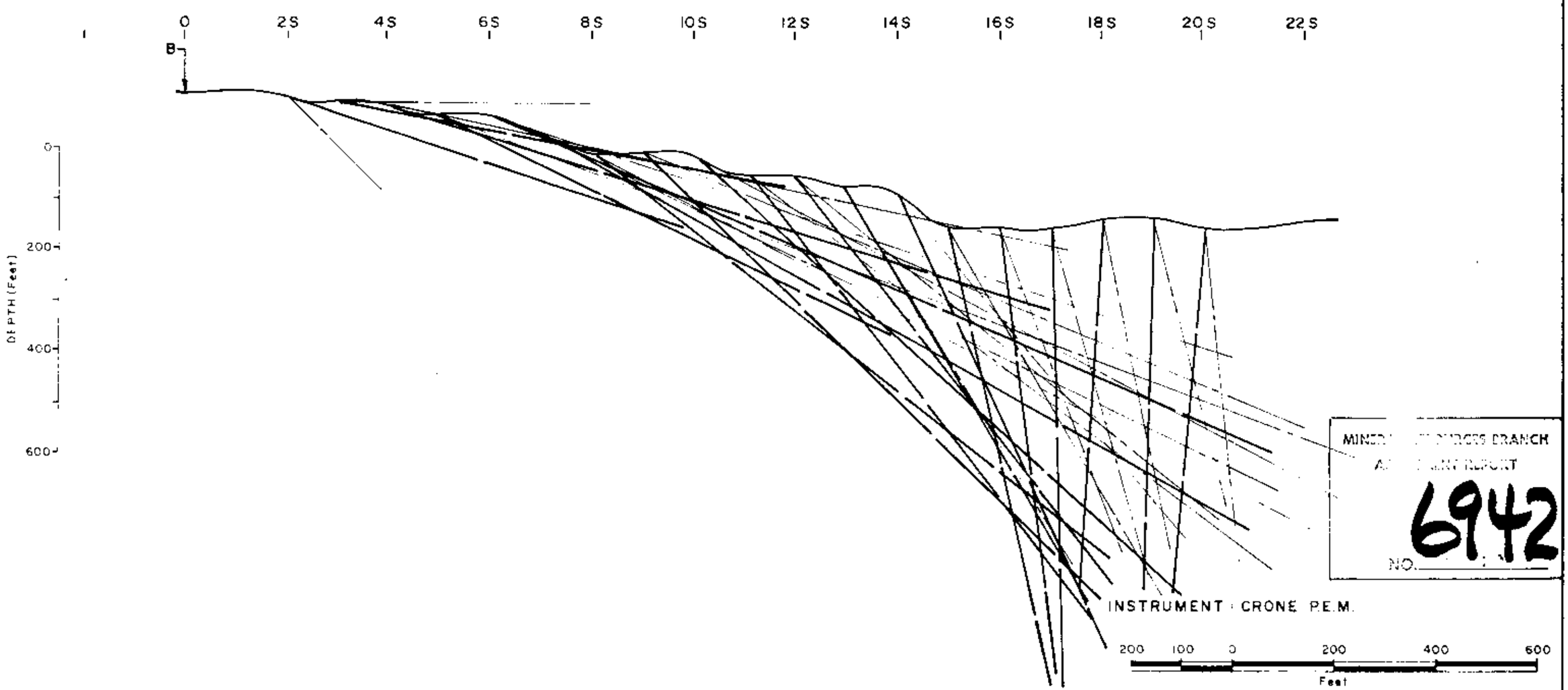
—NORANDA CRESSY PROJECT—

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 50+00 E

Glen E. White
geophysical consulting
& services ltd.

INTERPRETED BY : G.E.W.	
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 18 B	



INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

To Accompany Geophysical Report on
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—NORANDA CRESSY PROJECT—

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 50+00 E

Glen E White
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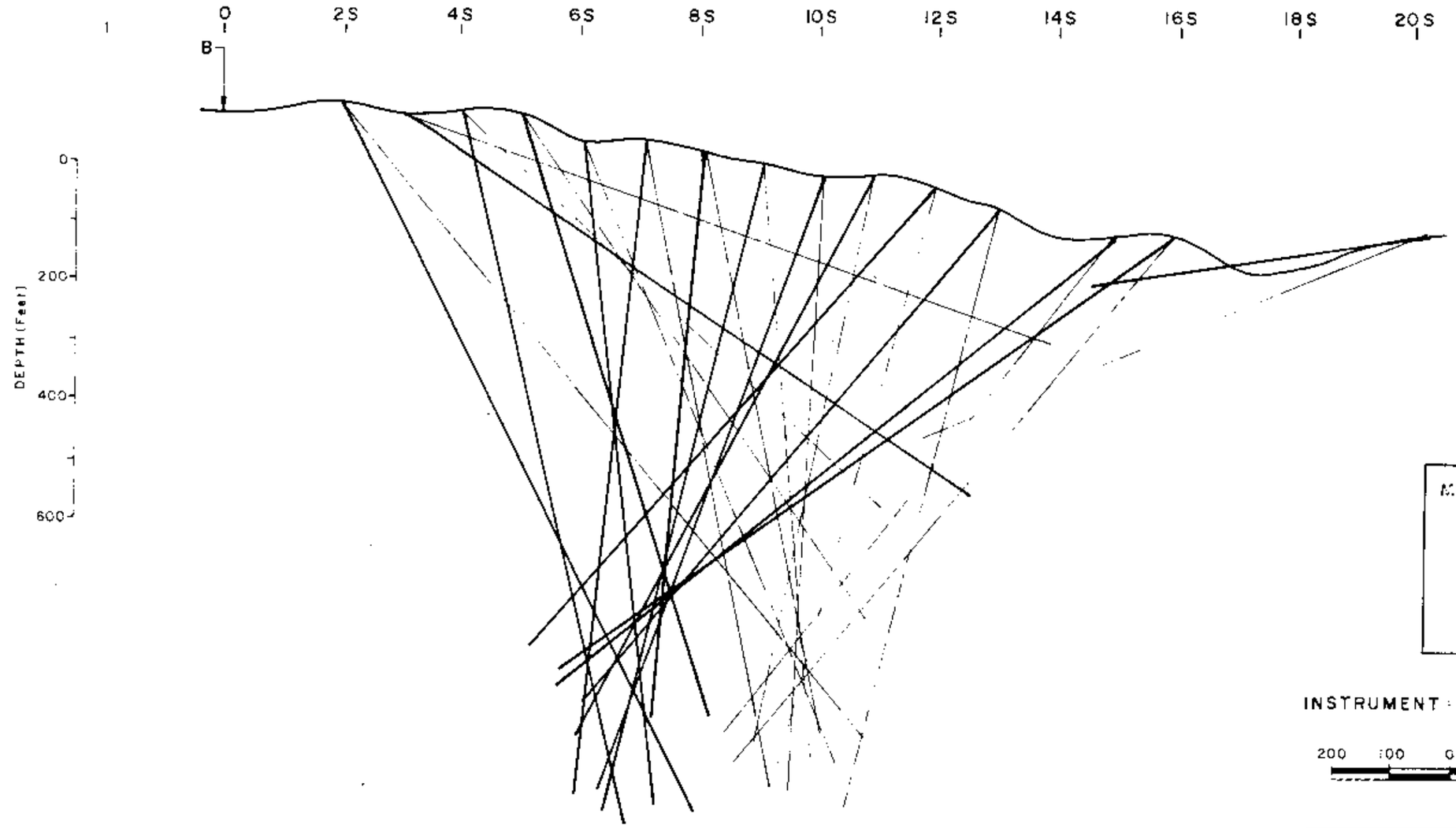
& services ltd.

INTERPRETED BY : G.E.W.
DRAWN BY : T.M.
CHECKED BY :
DATE : JULY, 1976
FIG No : 18 C



INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1 ——— CHANNEL 5
CHANNEL 2 —— —— CHANNEL 6
CHANNEL 3 CHANNEL 7
CHANNEL 4 CHANNEL 8

An Airborne Geophysical Report on
THE NORANDA CRESSY PROJECT
Date .....
By GLEN E WHITE B.Sc. ..... GEOPHYSICIST

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— NORANDA CRESSY PROJECT —

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 55+00 E

Glen E White
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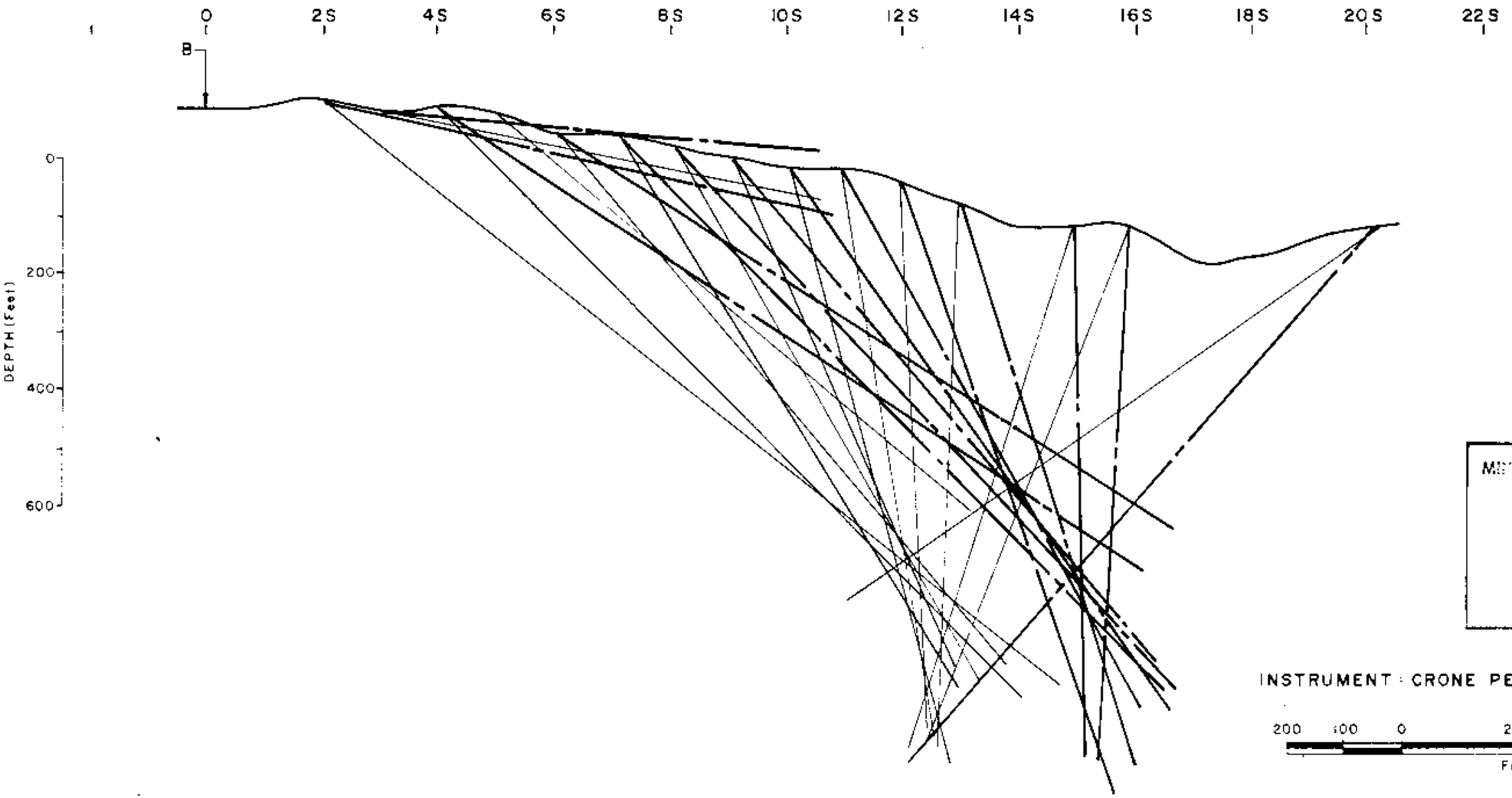
&
services ltd.

INTERPRETED BY : G.E.W.	
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 19 A	



6942

INSTRUMENT : CRONE P.E.M.

200 100 0 200 400 600
Feet

LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3 ——————
CHANNEL 4 —— · ——
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

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—NORANDA CRESSY PROJECT—

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
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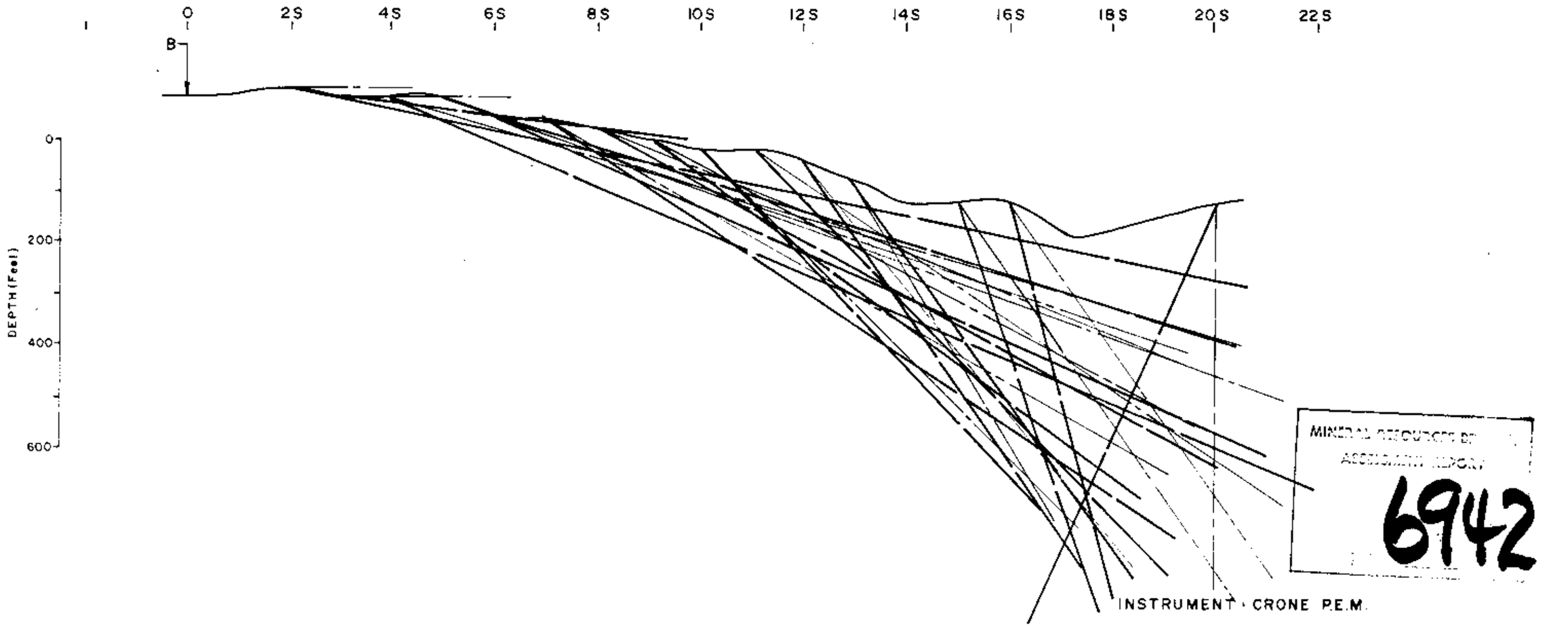
Glen E White
geophysical consulting
& services ltd.

INTERPRETED BY : G.E.W.	
DRAWN BY : T.M.	
CHECKED BY :	
DATE : JULY, 1978	
FIG No : 19 B	



LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4
CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

To Accompany Geophysical Report on
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Date .....
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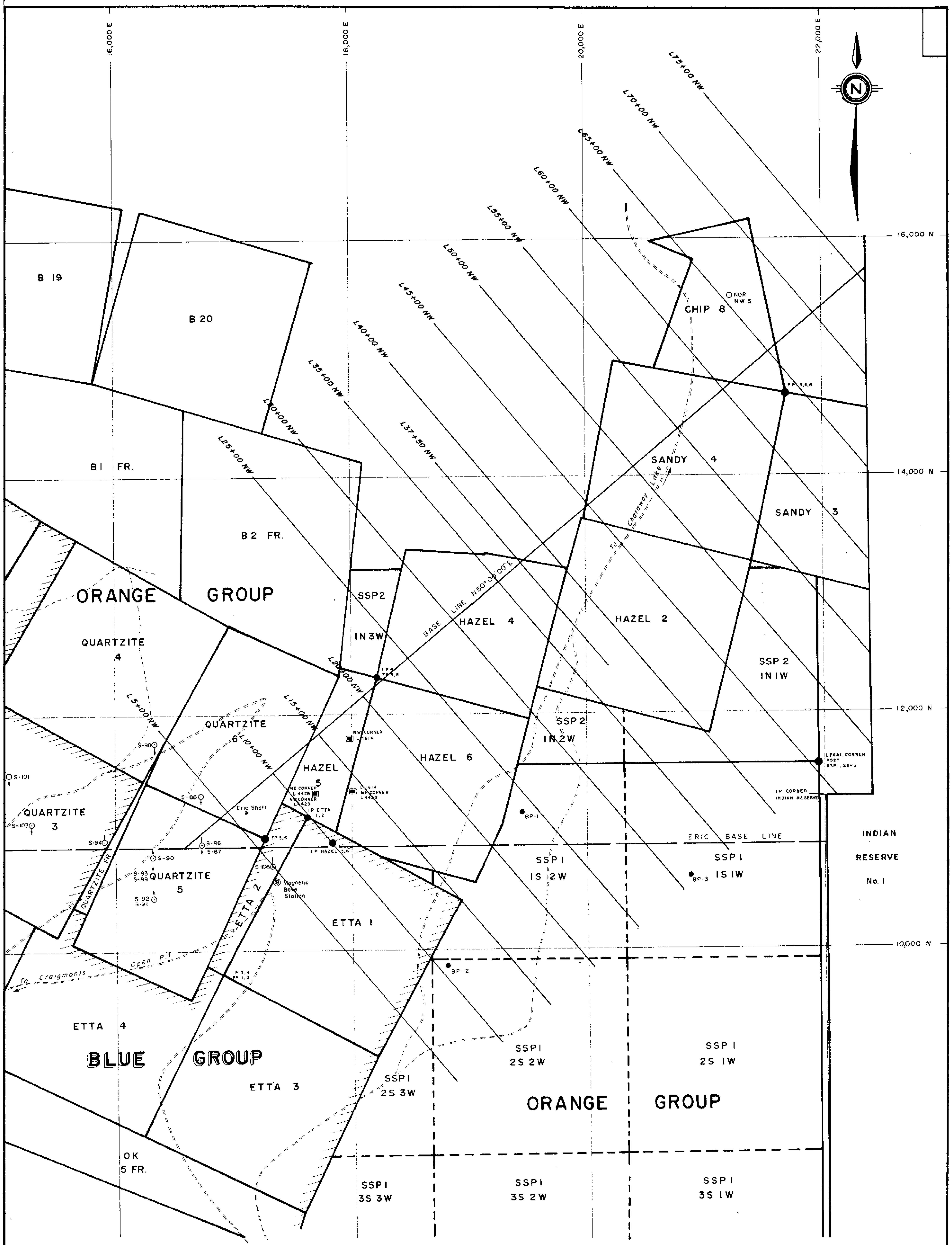
CRAIGMONT MINES LTD.

—NORANDA CRESSEY PROJECT—

PULSE ELECTROMAGNETOMETER
VECTOR SECTION
LINE 55+00 E

Glen E White
geophysical consulting
& services ltd.

INTERPRETED BY : G.E.W.
DRAWN BY : T.M
CHECKED BY :
DATE : JULY, 1978
FIG No : 19 C



LEGEND

- ● SURVEYED CLAIM POST (by Craigmont)
- ▣ SURVEYED LOT CORNER PINS (by Craigmont)
- SURVEYED DRILL HOLE COLLARS (by Craigmont)
- • APPROXIMATE DRILL HOLE COLLAR BP 1, 2, and 3
- GROUP BOUNDARY
- ROADS

CRAIGMONT MINES LIMITED

LOCATION MAP

CLAIM BOUNDARIES, GRID LAYOUT

ORANGE GROUP OF CLAIMS

FEET 400 0 400 800 1200 FEET
SCALE 1 IN = 400 FEET

METRES 200 0 200 300 400 500 METRES
SCALE 1:4800

DRAWN: G.R. Sanford DATE: Oct. 1978
DRAFTED: A. Mosley

6942

File No. GE-D-47

17000N

16000N

15000N

14000N

13000N

12000N

11000N

10000N

9000N

10000E

18000E

19000E

20000E

21000E

ERIC BASELINE 10+80S

Magnetic Base Station

BP 1

BP 2

BP 3

RAW DATA : Corrected for Diurnal variation

SCALE : 1" = 200'

FEET 200 0 200 400 FEET

SCALE 1 : 2400

METERS 100 0 100 METERS

6942

CRAIGMONT MINES LIMITED	Scale	Approved	Date
NORANDA - CRESSY MAGNETIC - SURVEY - VERTICAL FIELD FLUXGATE SCINTREX - MF-2	Drawn		18-9-78
			GE-E-50A

17000N

16000N

15000N

14000N

13000N

12000N

11000N

10000N

9000N

18000E

19000E

20000E

21000E

FILTERED DATA

FILTER METHOD : Arithmetic 6 point moving average
(based on 50 foot spacing)

IE Points $\frac{1-6}{6}$ Plotted between station 3 & 4.

SCALE 1" = 200'

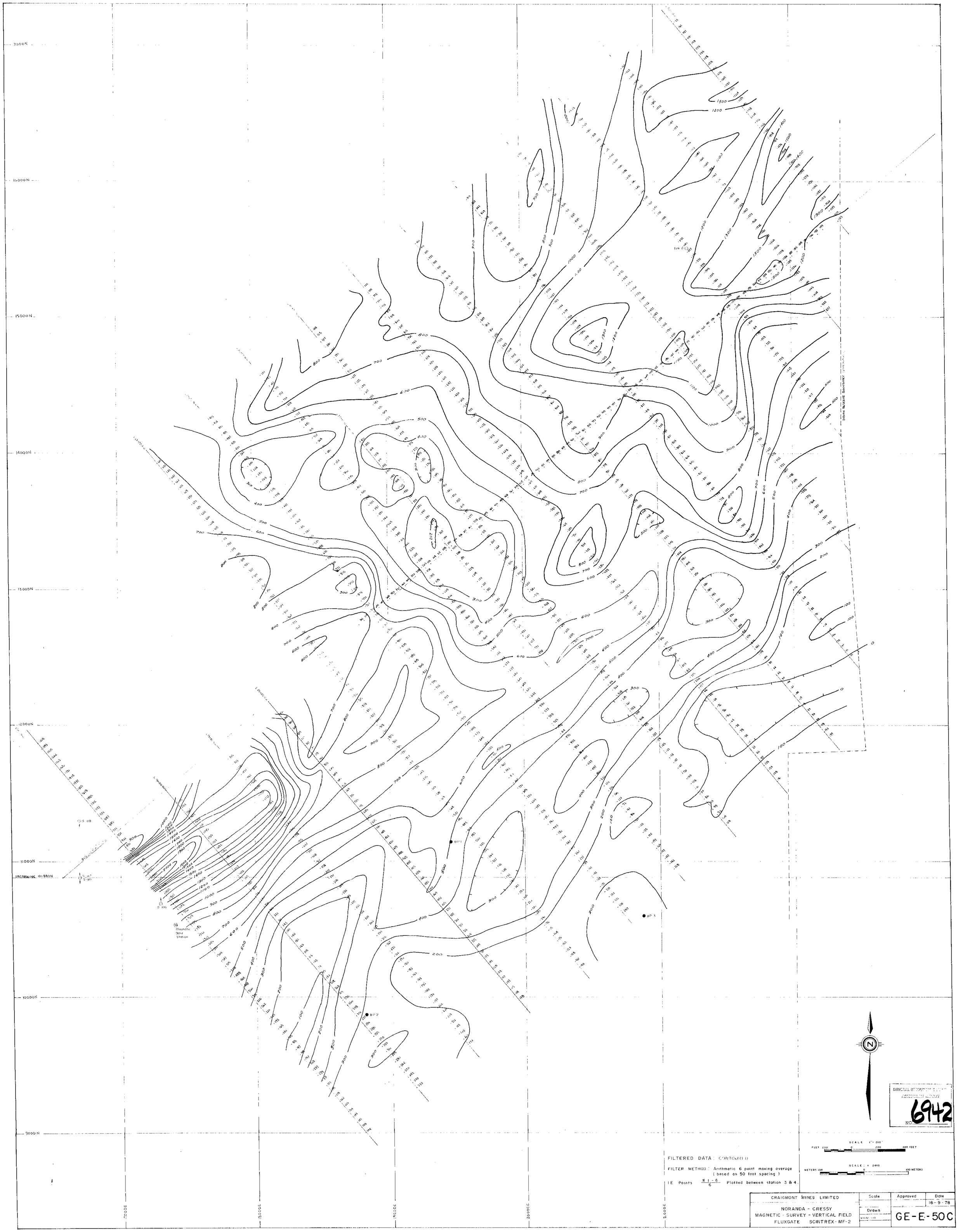
FEET 200 0 200 400 FEET

SCALE 1:2500

METERS 100 0 100 200 METERS

CRAIGMONT MINES LIMITED	Scale	Approved	Date
NORANDA - CRESSY	Drawn		18 - 9 - 78
MAGNETIC - SURVEY - VERTICAL FIELD FLUXGATE SCINTREX - MF-2			GE - C - 50 B

NO. 6942


7000N
16000N
15000N
14000N
13000N
12000N
11000N
10000N
9000N
BP1
BP2
BP3
Magnetic Base Station
FILTERED DATA : CONTOURED
FILTER METHOD : Arithmetic 6 point moving average
(based on 50 foot spacing)
IE Points ±1-6/6 Plotted between station 3 & 4.
SCALE 1" = 200'
FEET 200 0 200 400 FEET
SCALE : 1 2400
METERS 100 0 100 METERS
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
6942
CRAIGMONT MINES LIMITED
NORANDA - CRESSY
MAGNETIC - SURVEY - VERTICAL FIELD
FLUXGATE SCINTREX - MF-2
Scale
Drawn
Approved
Date
18-9-78
GE-E-50C

15,000 N

14,000 N

13,000 N

12,000 N

11,000 N

10,000 N

17,000 E

18,000 E

19,000 E

20,000 E

21,000 E

22,000 E

L70+00 NW

L65+00 NW

L60+00 NW

L55+00 NW

L50+00 NW

L45+00 NW

L40+00 NW

L37+50 NW

L35+00 NW

L30+00 NW

L25+00 NW

L20+00 NW

L15+00 NW

L10+00 NW

L5+00 NW

BASE LINE N 50°00'00" E

Loop A

Loop B

Loop C

Loop D

Loop E

Loop F

INDIAN RESERVE No. 1

ERIC BASE LINE 10,880 N

LEGEND

TRANSMITTER LOCATION

SCALE 1" = 200'

FEET 200 0 200 400 FEET

SCALE 1 2400

METRES 100 0 100 METRES

CRAIGMONT MINES LTD.	SCALE	APPROVED	DATE
NORANDA CRESSY PEM SURVEY TRANSMIT LOOP LOCATIONS	1" = 200'		
	DRAWN	GE-E-50 D	
	TRACED		
	CHECKED	FILE NUMBER	