

CANEX AERIAL EXPLORATION LTD.

DIVISION OF CANADIAN EXPLORATION LIMITED

700 BURRARD BUILDING

VANCOUVER 5, B. C. CANADA



GEOPHYSICAL REPORT

MAGNETOMETER SURVEY FOR

LEWES RIVER MINES LIMITED (N.P.L.)

WHITEHORSE AREA; 60° 35', 134° 45'

CLAIMS: AZ, AC, AD, B.C., C.C., A.F.,

E.Z., TOADSTOOL, RED DEER, HULK, PUTA,

HILK AND CUB



GRID 1

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

NOVEMBER AND DECEMBER 1969

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

\$653

J.B. Craig, R.G.

Assistant Geologist or
Resident Mining Engineer

Considered as representation work under
Section 53 (4) Yukon Quartz Mining Act.

[Signature]
Commissioner of Yukon Territory

BREAKDOWN OF EXPENDITURES ON MAGNETOMETER SURVEY

FOR LEWES RIVER MINES LIMITED (N.P.L.)

GRID 1

Dates worked - November 27, 28, 29, 30
and December 6, 1969.

Man days - J. Aisen - 5 days
D. Penner - 5 days
10 man days

Transportation Costs =	\$ 140.63
Rental of Jalander Magnetometer @ \$300.00/month - 5/30 X \$300.00 =	\$ 50.00
Labour 5 X \$22.62 =	\$ 113.10
5 X \$23.81 =	\$ 119.05
Accommodation at Shannon Motel 5 X \$16.00	\$ 80.00
Board Cost @ \$10.00/day/man - 10 X \$10.00 =	\$ 100.00
Compensation, Administration, Supervision @ \$5.00/day/man - 10 X \$5.00 =	<u>\$ 50.00</u>
TOTAL =	\$ 652.78

R.W. Cannon, P. Eng.
R.W. CANNON, P. Eng.

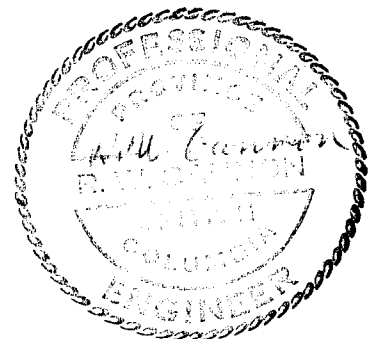


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LOCATION MAP	IN POCKET
MAGNETOMETER MAP WITH VALUES	"
MAGNETOMETER CONTOUR MAP	"

REPORT ON THE MAGNETOMETER SURVEY

GRID 1

WHITEHORSE AREA, Y.T.

LEWES RIVER MINES LIMITED (N.P.L.)

INTRODUCTION

A magnetometer survey was carried out on a portion of the claims held by Lewes River Mines Limited (N.P.L.) during the month of December 1969.

This survey covered part of the AZ claims and fractions along a total of 30.23 miles of cut line. The lines were cut North-East at 400 foot intervals with stations marked every 100 feet.

The magnetometer survey was carried out using a Jalander vertical flux-gate type of magnetometer (Model W505), which has an accuracy of ± 10 gammas.

LOCATION AND ACCESS

The property is located to the east of the City of Whitehorse and lies parallel to the Yukon River. Grid 1 is located north of Whitehorse and west of the Yukon River. Most of the Lewes River property is accessible via bushroad from Whitehorse.

PROPERTY

The property consists of 478 contiguous claims with the following names: AZ, AC, AD, B.C., C.C., A.F., E.Z., Toadstool, Red Deer, Hulk, Puta, Milk and Cub.

PREVIOUS WORK

The previous work on Grid 1 consisted of an Induced Polarization Survey on the southern half of the grid area, plus a low level helicopter magnetometer survey.

PRESENTATION OF RESULTS

The magnetometer survey was carried out along 30.23 miles of line with readings taken every 100 feet. A map (scale 1" = 1000') showing the position of the cut lines in relation to the claim boundaries is included in the folder at the back of this report.

The corrected and contoured results of the magnetometer survey are shown on two enclosed maps (scale 1" = 400'). The results were contoured on 100 gamma intervals.

DISCUSSION OF RESULTS

The area of Grid 1 had values between 900 and 1300 gammas with the average being 1050 gammas. No significant trends were indicated and thus no contact can be postulated from the magnetometer data.

CONCLUSIONS

It was concluded that the magnetometer survey failed to define the contact picked up by the Induced Polarization Survey.

R.W. Cannon, P. Eng.
R.W. CANNON, P. Eng.



BREAKDOWN OF EXPENDITURES ON MAGNETOMETER SURVEY

FOR LEWES RIVER MINES LIMITED (N.P.L.)

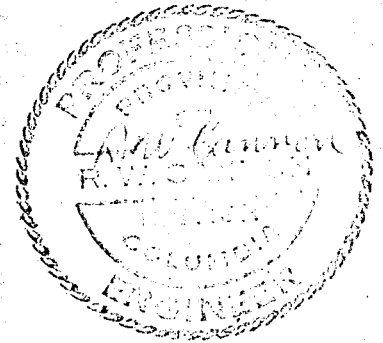
GRID 1

Dates worked - November 27, 28, 29, 30
and December 6, 1969.

Man days - J. Alsen - 5 days
D. Penner - 5 days
10 man days

Transportation Costs -	\$ 140.63
Rental of Jalander Magnetometer @ \$300.00/month - 5/30 X \$300.00 -	\$ 50.00
Labour 5 X \$22.62 =	\$ 113.10
5 X \$23.81 =	\$ 119.05
Accommodation at Shannon Motel 5 X \$16.00	\$ 80.00
Board Cost @ \$10.00/day/man - 10 X \$10.00 -	\$ 100.00
Compensation, Administration, Supervision @ \$5.00/day/man - 10 X \$5.00 -	\$ 50.00
TOTAL -	\$ 652.78

R.W. Cannon, P. Eng.
R.W. CANNON, P. Eng.



SWORN and subscribed to at)
Vancouver , B. C.,)
this 26 day of January ,)
1970, before me-)

M. M. Howarth
A Notary Public in and for the)
Province of British Columbia.)

David A. Howard
D. A. Howard



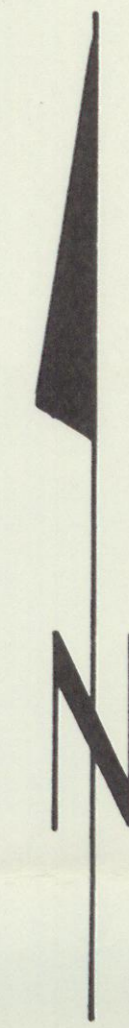
DRAWN P.S.H.	SCALE 1"=1000'	CANEX AERIAL EXPLORATION LTD
TRACED	DATE 1 JAN 70	LEWES RIVER
APPROVED		

LOCATION MAP - Grid No. 1
FILE NO.

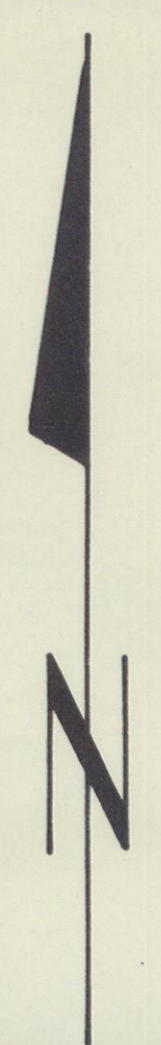




64+00W
60+00W
56+00W
52+00W
48+00W
44+00W
40+00W
36+00W
32+00W
28+00W
24+00W
20+00W
16+00W
12+00W
8+00W
4+00W
0+00W



DRAWN JBA	SCALE 1"=400'	CANEX AERIAL EXPLORATION LTD.	MAGNETOMETER SURVEY GRID 1
TRACED JBA	DATE	LEWES RIVER	
APPROVED			



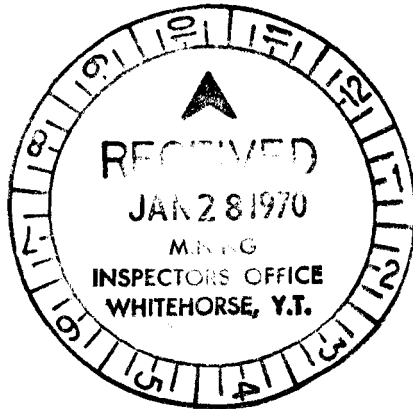
DRAWN JBA	SCALE 1"=400'	CANEX AERIAL EXPLORATION LTD.	MAGNETOMETER SURVEY GRID 1
TRACED JBA	DATE		
APPROVED	RDC'S IN Y'S	LEWES RIVER	

CANEX AERIAL EXPLORATION LTD.

DIVISION OF CANADIAN EXPLORATION LIMITED

700 BURRARD BUILDING

VANCOUVER 5, B. C. CANADA



GEOPHYSICAL REPORT

MAGNETOMETER SURVEY FOR

LEWES RIVER MINES LIMITED (N.P.L.)

WHITEHORSE AREA; 60° 35', 134° 45'

CLAIMS: AZ, AC, AD, B.C., C.C., A.F.,

E.Z., TOADSTOOL, RED DEER, HULK, PUTA,

HILK AND CUB



GRID 2

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

DECEMBER 1969

This report has been examined by the Geological Evaluation Unit and it is recommended to the Council that it be considered as representative work under the Act of

\$6,140

B. Craig, R. G.
Inspector of
Mining Engineers

Considered as representative work under
Section 53 (a) Yukon Quartz Mining Act.

[Signature]
Comptroller of Yukon Territory

MAGNETOMETER SURVEY FOR GRID 2

Dates worked - December 1,2,3,4,5,7,8, and 9, 1969.

Man days - J. Alsen 8 days
D. Penner 8 days
16 man days

Transportation Costs = \$ 225.00

Rental of Jalander Magnetometer

@ \$300/month - 8/30 X \$300.00 = \$ 80.00

Labour - 8 X \$22.62 = \$ 180.96
8 X \$23.81 = \$ 190.48

Accommodation at Shannon Motel -

8 X \$16.00 = \$ 128.00

Board Cost -

@ \$10.00/day/man - 16 X \$10.00 = \$ 160.00

Compensation, Administration, Supervision = \$ 80.00

\$ 1,044.44

Line-cutting by White, Hosford & Impey Ltd. -

Base line 4.24 miles @ \$250/mile = \$ 1,061.00

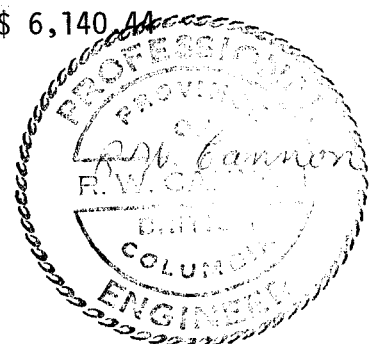
31.48 miles of picket line @ \$125/mile = \$ 3,935.00

Ties to claim posts and grids = \$ 100.00

Cost of Line-cutting = \$ 5,096.00

TOTAL = \$ 6,140.44

R.W. Cannon, P. Eng.
R.W. CANNON, P. Eng.



Third Ave.

White, Hosford & Impey Limited

LEGAL SURVEYS :: ENGINEERING

Whitehorse, Yukon

Paul S. White, P. Eng., A.L.S., D.L.S.
 A. Denis Hosford, A.L.S., B.C.L.S.
 Hugh E. Impey, A.L.S., S.L.S., M.L.S., D.L.S.

14 November, 1969.

INVOICE ON ACCOUNT

WITH: CANEX AERIAL EXPLORATION LTD.
 800 BURRARD BUILDING
 VANCOUVER 5, B.C.

TO: Base line and picket line cutting, stationing and
 chaining on Lewes River Mines Ltd. property near
 Whitehorse, Y.T.

- a) 10.61 miles baseline @\$250.00/mile
 Invoiced October 27, 1969
- b) 26.6 miles picket line @\$125.00/mile \$3325.00
 Completed Grid 3

TOTAL PHYSICAL WORK \$3325.00

Our Invoice Nbr. 161-69W

ORDER No.	_____
RECEIVED BY	_____
DATE	_____
CHECKED WITH ORDER	_____
EXTENSIONS CHECKED	_____
PRICE APPROVED	_____
APPROVED FOR PAYMENT	<i>D.A. Howard</i>
CHARGED TO	<i>V-112</i>

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ILLUSTRATIONS

LOCATION MAP	IN POCKET
MAGNETOMETER MAP WITH VALUES	"
MAGNETOMETER CONTOUR MAP	"

REPORT ON THE MAGNETOMETER SURVEY

GRID 2

WHITEHORSE AREA, Y.T.

LEWES RIVER MINES LIMITED (N.P.L.)

INTRODUCTION

A magnetometer survey and line-cutting was carried out on a portion of the claims held by Lewes River Mines Limited (N.P.L.) during the months of November and December 1969.

This survey and line-cutting covered the claim area North of Whitehorse and East of the Yukon River. A total of 35.72 miles of line was run with the magnetometer. The lines were cut north-east at 800 foot intervals with stations marked every 100 feet.

The magnetometer survey was carried out using a Jalander vertical flux-gate type of magnetometer (Model W505), which has an accuracy of ± 10 gammas.

LOCATION AND ACCESS

The property is located to the east of the City of Whitehorse and lies parallel to the Yukon River. Grid 2 is located north of Whitehorse and east of the Yukon River. Most of the Lewes River property is accessible via bush road from Whitehorse.

PROPERTY

The property consists of 478 contiguous claims with the following names: AZ, AC, AD, B.C., C.C., A.F., E.Z., Toadstool, Red Deer, Hulk, Puta, Hilk and Cub.

PREVIOUS WORK

There was no previous work on this portion of the claim block except a low level helicopter magnetometer survey.

PRESENTATION OF RESULTS

The magnetometer survey was carried out along 35.72 miles of line with readings taken every 100 feet. A map (scale 1" = 400') showing the position of the cut lines in relation to the claim boundaries is included in the folder at the back of this report.

The corrected and contoured results of the magnetometer survey are shown on two enclosed maps (scale 1" = 400'). The results were contoured on 100 gamma intervals.

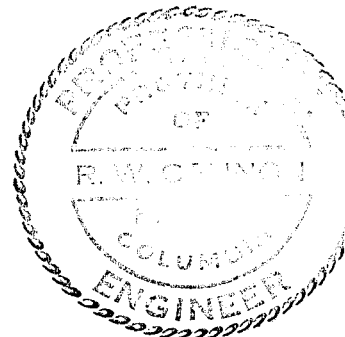
DISCUSSION OF RESULTS

The area of Grid 2 had values between 800 and 2300 gammas with the average being around 1050 gammas. A pronounced high was detected at the south-eastern corner of the grid. No explanation for this high can be given at this time.

CONCLUSIONS

It was concluded that the area of the magnetic high should be further investigated and that an Induced Polarization Survey be carried out on the entire grid area.

R.W. Cannon, P. Eng.
R.W. CANNON, P. Eng.



MAGNETOMETER SURVEY FOR GRID 2

Dates worked - December 1,2,3,4,5,7,8, and 9, 1969.

Man days - J. Alsen 8 days
 D. Penner 8 days
 16 man days

Transportation Costs = \$ 225.00

Rental of Jalander Magnetometer

@ \$300/month - 8/30 X \$300.00 = \$ 80.00

Labour - 8 X \$22.62 = \$ 180.96

8 X \$23.81 = \$ 190.48

Accommodation at Shannon Motel -

8 X \$16.00 = \$ 128.00

Board Cost -

@ \$10.00/day/man - 16 X \$10.00 = \$ 160.00

Compensation, Administration, Supervision = \$ 180.00

\$ 1,044.44

Line-cutting by White, Hosford & Impey Ltd. -

Base line 4.24 miles @ \$250/mile = \$ 1,061.00

31.48 miles of picket line @ \$125/mile = \$ 3,935.00

SWORN and subscribed to Ties to claim posts and grids = \$ 100.00

at Vancouver, B.C.) Cost of Line-cutting = \$ 5,096.00

this 26 day of January)

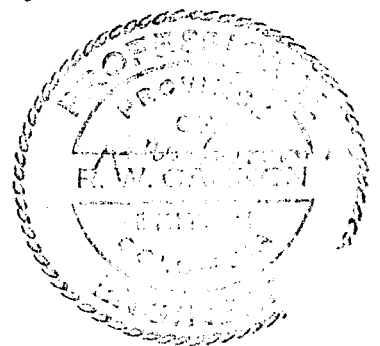
1970, before me-)

TOTAL = \$ 6,140.44

David A. Howard
 A Notary Public in and for
 the Province of British
 Columbia.

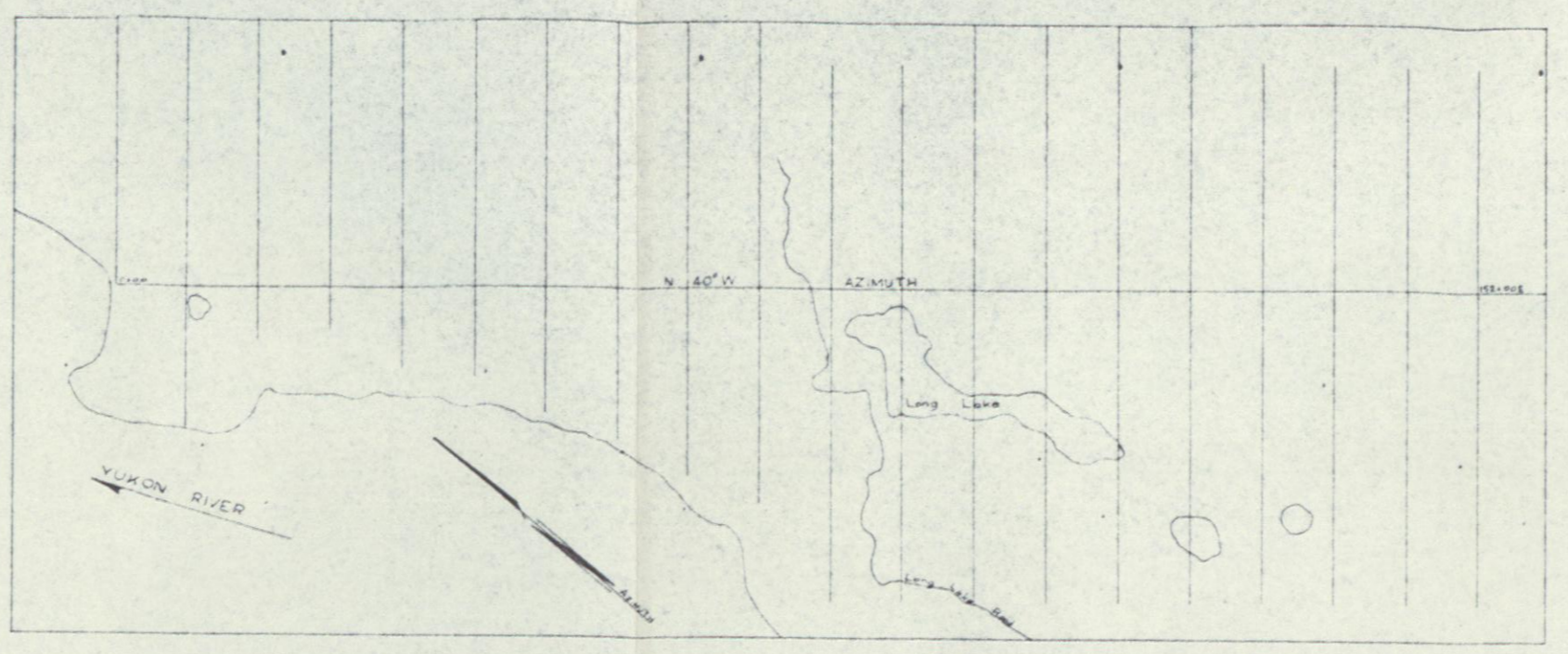
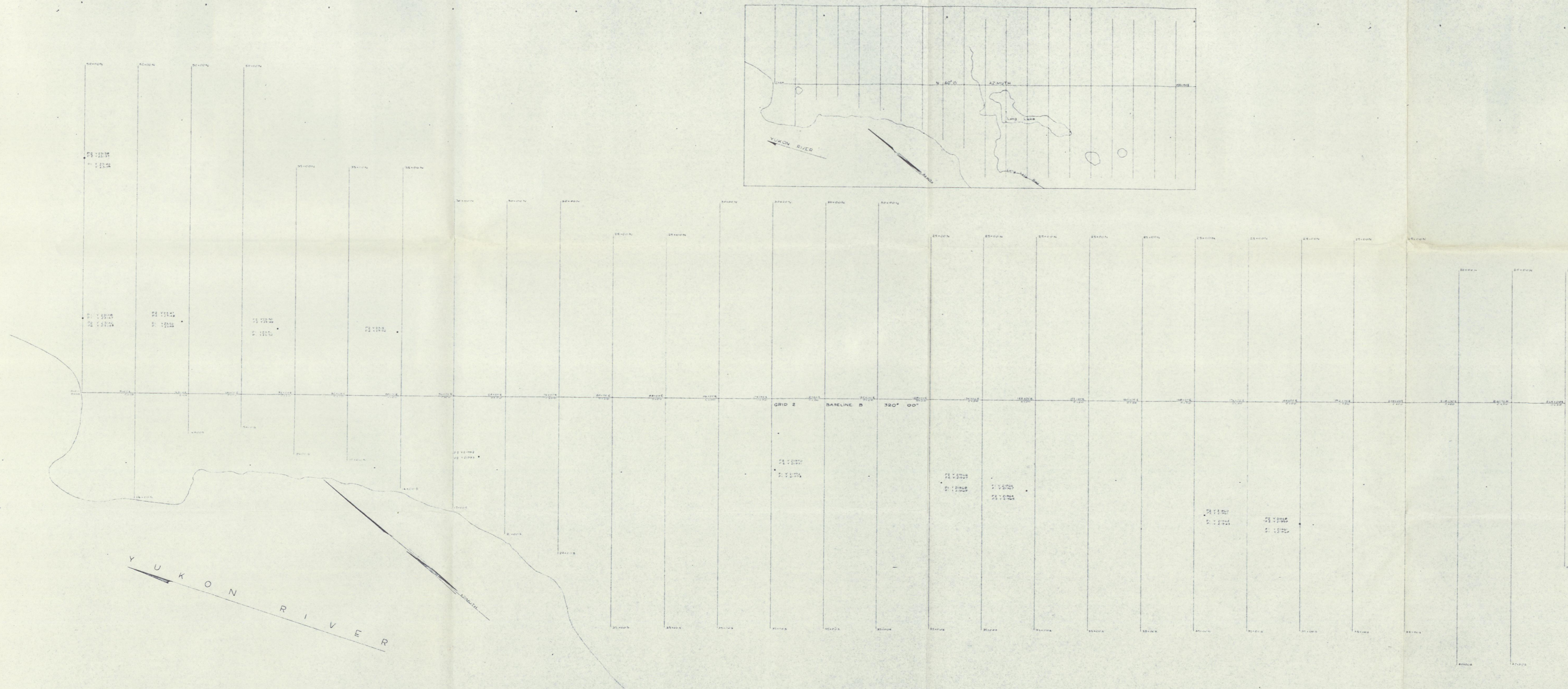
David A. Howard
 D. A. Howard

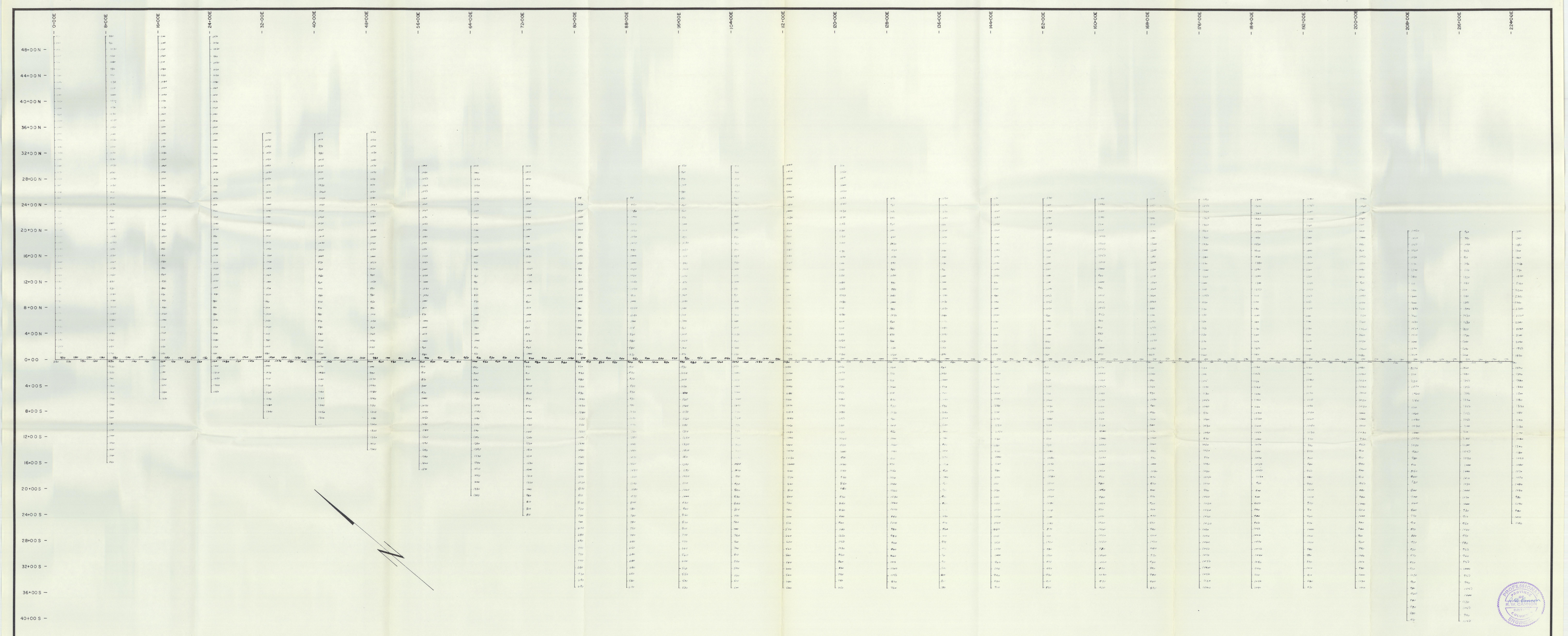
R.W. Cannon, P. Eng.
 R.W. CANNON, P. Eng.

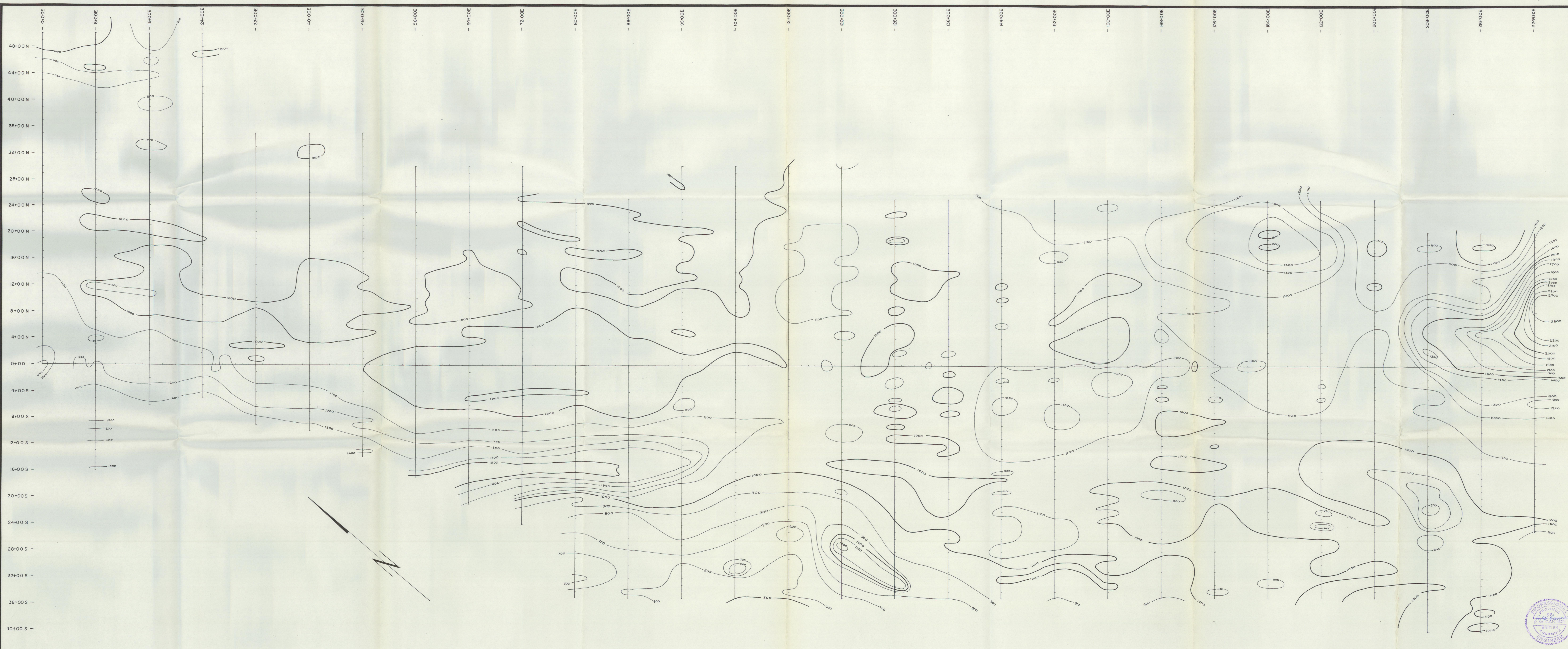




PLAN SHOWING LOCATION AND LAYOUT OF
GRID 2 for
CANEX AERIAL EXPLORATIONS LTD.
ON LEWES RIVER PROPERTY
NEAR WHITEHORSE Y.T.
DATE: OCTOBER, 1969.
SCALE: 1" = 800'







DRAWN JBA	SCALE 1"=400'	CANEX AERIAL EXPLORATION LTD.	MAGNETOMETER SURVEY GRID 2
TRACED JBA	DATE 6-1-70	LEWES RIVER	FILE NO.
APPROVED			

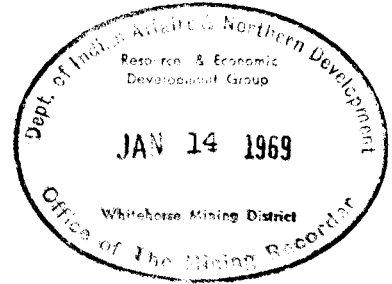
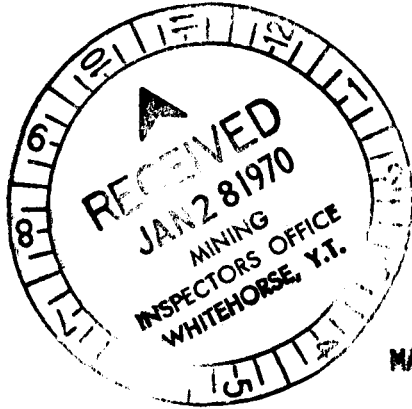


CANEX AERIAL EXPLORATION LTD.

DIVISION OF CANADIAN EXPLORATION LIMITED

700 BARRARD BUILDING

VANCOUVER 5, B. C. CANADA



GEOPHYSICAL REPORT

MAGNETOMETER SURVEY FOR

LEWES RIVER MINES LIMITED (N.P.L.)

WHITEHORSE AREA; 60° 35', 134° 45'

CLAIMS: AZ, AC, AD, B.C., C.C., A.F.,

E.Z., TOADSTOOL, RED DEER, HULK, PUTA,

HILK AND CUB

GRID 3

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

DECEMBER 1969

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

\$ 5,440

J. B. Craig, R.G.

Inspector or
Registered Mining Engineer

Considered as representation work under Section 53 of Yukon Quartz Mining Act.

Commissioner of Yukon Territory

MAGNETOMETER SURVEY FOR GRID 3

Dates worked - December 10, 11, 12 and 13, 1969.

Man days - J. Alsen 4 days
D. Penner 4 days
8 man days

Transportation Costs \$ 112.50

Rental of Jalander Magnetometer

@ \$300/month - 4/30 X \$300.00 \$ 40.00

Labour - 4 X \$22.62 \$ 90.48
4 X \$23.81 \$ 95.24

Accommodation at Shannon Motel -

4 X \$16.00 \$ 64.00

Board Cost @ \$10/day/man- 8 X \$10.00 \$ 80.00

Compensation, Administration, Supervision -

@ \$5.00/day/man - 8 X \$5.00 \$ 40.00

TOTAL COST OF MAG. SURVEY • \$ 522.22

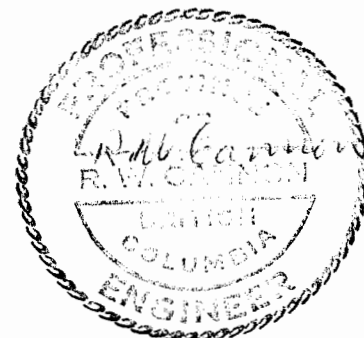
Line-cutting by White, Hosford & Impey Ltd.

Base line 6.37 miles @ \$250.00/mile \$ 1,591.50

26.6 miles of picket line @ \$125.00/mile \$ 3,325.00

\$ 5,438.72

R.W. Cannon, P. Eng.
R.W. CANNON, P. Eng.



Third Ave.

White, Hosford & Impey Limited

LEGAL SURVEYS :: ENGINEERING

Whitehorse, Yukon

V-112

Paul S. White, P. Eng., A.L.S., D.L.S.
A. Denis Hosford, A.L.S., B.C.L.S.
Hugh E. Impey, A.L.S., S.L.S., M.L.S., D.L.S.

27 October 1969.

INVOICE ON ACCOUNT

WITH: CANEX AERIAL EXPLORATION LTD.
800 BURRARD BUILDING
VANCOUVER 5, B.C.

TO: Base line and picket line cutting,
stationing, and chaining on Lewes
River Mines Ltd. property near
Whitehorse, Y.T.

- a) 10.61 miles baseline @ \$250.00/mile \$ 2652.50
 Completed base line on Grids 2 and 3
- b) 31.48 miles picket line @ \$125.00/mi. 3935.00
 Completed Grid 2
- c) Ties to claim posts and grids 100.00

TOTAL PHYSICAL WORK \$ 6687.50

OUR INVOICE NBR. 159-69W

ORDER No.	_____
RECEIVED BY	_____
DATE	_____
CHECKED WITH ORDER	_____
EXTENSIONS CHECKED	_____
PRICE APPROVED	_____
APPROVED FOR PAYMENT	_____
CHARGED TO	V-112

RECEIVED
G.P. Accounts Pay.

Third Ave.

White, Hosford & Impey Limited

LEGAL SURVEYS :: ENGINEERING

Whitehorse, Yukon

Paul S. White, P. Eng., A.L.S., D.L.S.
 A. Denis Hosford, A.L.S., B.C.L.S.
 Hugh E. Impey, A.L.S., S.L.S., M.L.S., D.L.S.

14 November 1969.

INVOICE ON ACCOUNT

WITH: CANEX AERIAL EXPLORATION LTD.
 800 BURRARD BUILDING
 VANCOUVER 5, B.C.

TO: Base line and picket line cutting, stationing and
 chaining on Lewes River Mines Ltd. property near
 Whitehorse, Y.T.

- a) 10.61 miles baseline @\$250.00/mile
 Invoiced October 27, 1969
- b) 26.6 miles picket line @\$125.00/mile \$3325.00
 Completed Grid 3

TOTAL PHYSICAL WORK \$3325.00

Our Invoice Nbr. 161-69W

ORDER No.	_____
RECEIVED BY	_____
DATE	_____
CHECKED WITH ORDER	_____
EXTENSIONS CHECKED	_____
PRICE APPLIED	_____
APPROVED FOR PAYMENT	<i>J.A. Howard</i>
CHARGED TO	<i>V-112</i>

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PRESENTATION OF RESULTS	2
DISCUSSION OF RESULTS	2
CONCLUSIONS	2

ILLUSTRATIONS

LOCATION MAP	IN POCKET
MAGNETOMETER MAP WITH VALUES	IN POCKET

REPORT ON THE MAGNETOMETER SURVEY

GRID 3

WHITEHORSE AREA, Y.T.

LEWES RIVER MINES LIMITED (N.P.L.)

INTRODUCTION

A magnetometer survey and line-cutting was carried out on a portion of the claims held by Lewes River Mines Limited (N.P.L.) during the months of November and December 1969.

The survey covered the area of Grid 3 which lies over the frozen lakes in the vicinity of Chadburn Lake. This survey was carried out along a total of 10.62 miles of cut line. The lines were cut north-east at 800 foot intervals with stations marked every 100 feet.

The magnetometer survey was carried out using a Jalander vertical flux-gate type of magnetometer (Model W505) which has an accuracy of ± 10 gammas.

LOCATION AND ACCESS

The property is located to the east of the City of Whitehorse and lies parallel to the Yukon River. Grid 3 is located south-east of the City of Whitehorse and east of the Yukon River. Most of the Lewes River property is accessible via bush road from Whitehorse.

PROPERTY

The property consists of 478 contiguous claims with the following names: AZ, AC, AD, B.C., C.C., A.F., E.Z., Toadstool, Red Deer, Hulk, Puta, Hilk and Cub.

PREVIOUS WORK

There was no previous work on this portion of the claim block except a low level helicopter magnetometer survey.

PRESENTATION OF RESULTS

The ground magnetometer survey was carried out along 10.62 miles of line with readings taken every 100 feet.

The corrected and contoured results of the magnetometer survey are shown on two enclosed maps (scale 1" = 400'). The results were contoured on 100 gamma intervals.

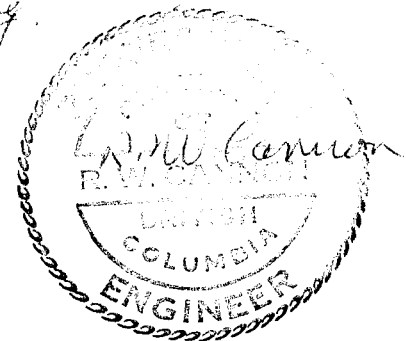
DISCUSSION OF RESULTS

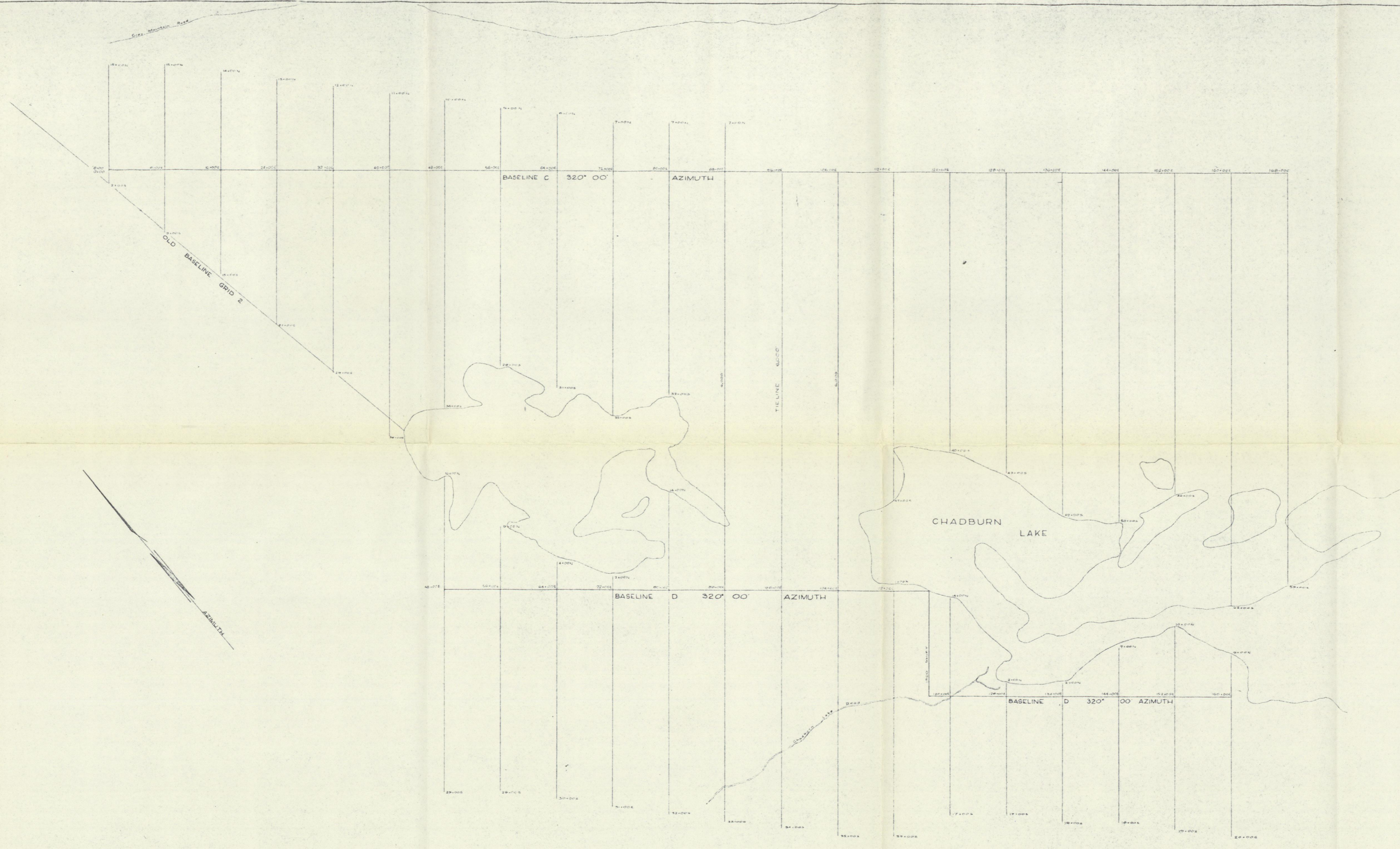
The limited results on Grid 3 show a slight high in the southern portion of the grid which may indicate the intrusive contact. A better evaluation can be given when the ground survey is completed in the Spring.

CONCLUSIONS

It was concluded that the favourable contact may run through the southern part of Grid 3.

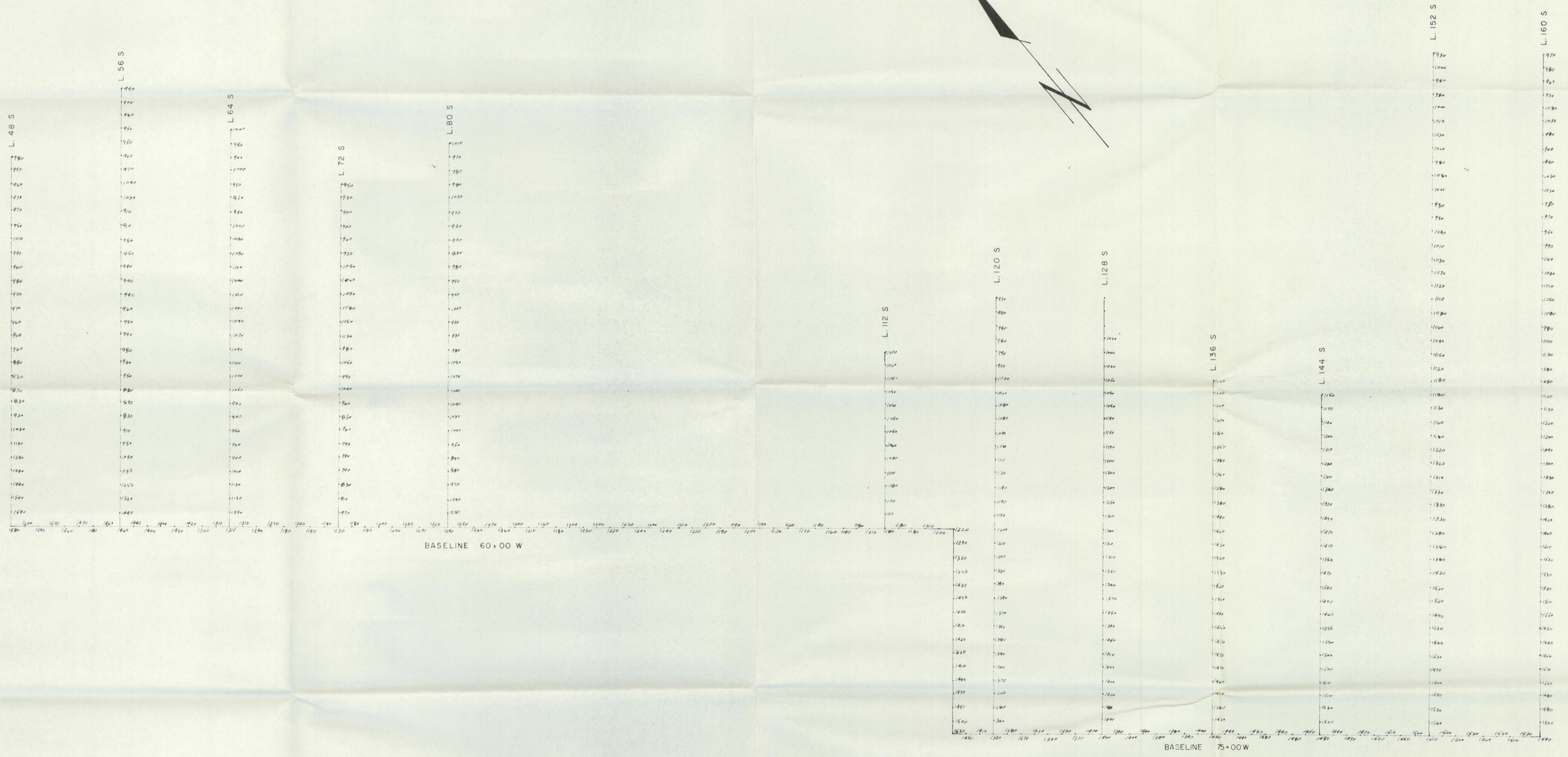
R.W. Cannon, P. Eng.
R.W. CANNON, P. Eng.





PLAN SHOWING LOCATION AND
 LAYOUT OF
GRID 3 for
 CANEX AERIAL EXPLORATIONS LTD.
 ON LEWES RIVER PROPERTY
 NEAR WHITEHORSE Y.T.
 DATE: OCTOBER, NOVEMBER 1969
 SCALE: 1" = 800'





DRAWN JBA	SCALE 1" = 400'	CANEX AERIAL EXPLORATION LTD.	MAGNETOMETER SURVEY GRID 3
TRACED	DATE 6-1-70	LEWES RIVER	FILE No.
APPROVED			