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CONSULTING GEOLOGICAL ENGINEERS

P.O. BOX 1051
WHITEHORSE, YUKON



REPORT ON

AIRBORNE GEOPHYSICAL SURVEY

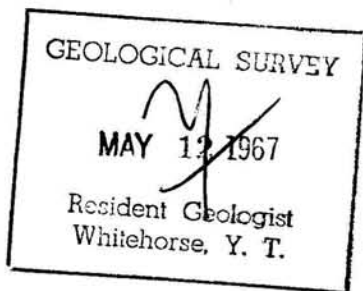
LEES, DORA, PETE AND GRAY CLAIM GROUPS

Anvil-Vangorda District, Yukon

Claim Sheets 105K-2, 6, 7, and 11.

for

ZIPPX SYNDICATE.



This report has been examined by the Geological Evaluation Unit. Approved as to technical worth by:

R. C. Finlay
RESIDENT GEOLOGIST

Approved as to cost in the amount of: \$ 7804.09

R. E. Redman
RESIDENT GEOLOGIST

Accepted as representation work under Section 55(4) Yukon Quartz Mining Act.

[Signature]
COMMISSIONER OF YUKON

R.J. Cathro, P. Eng.

July, 1966- January, 1967

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INTRODUCTION

During July, 1966 an airborne geophysical survey was organized by the writer and flown over four separate groups of claims owned by the Zippx Syndicate in widely scattered parts of the Anvil- Vangorda District. These claim groups, each of which is a contiguous block, are situated as follows (see Figures 1-5)

LEES	1-49	Sheet	105-K-2
DORA	1-32	"	105-K-6
PETE	1-86	"	105-K-7
GRAY	1-40	"	105-K-11

The same Lockwood system that proved so successful for Dynasty Explorations Ltd. was used on this survey. The equipment was mounted in a Bell 204 B turbine helicopter chartered from Okanagan Helicopters Ltd. A preliminary plot of the uncorrected data was made in the field by Exploration Geophysics (Yukon) Ltd., and interpreted by Dr. D.W. Smellie, of that firm. Dr. Smellie's report, including a short description of the instrumentation of the Lockwood system, follows.

INTRODUCTION

A combined helicopter magnetic and electromagnetic survey has been carried out by Lockwood Survey Corporation Limited for the Zippx Syndicate. The survey was flown during July 1966 in the Anvil-Vangorda area of the Yukon Territory. The four claim groups surveyed were the Peter, Dora, Lees and Gray.

INSTRUMENTATION

The combined helicopter magnetic and electromagnetic installation consists of the Gulf Model III airborne magnetometer and the E.M. system developed by Hunting Survey Corporation (now Lockwood).

The E.M. system consists of coaxial transmitter and receiver coils mounted 30 feet apart in a "bird" that is suspended 100 feet below the helicopter when in operation. The instrument records the in-phase and quadrature components of the secondary field relative to the primary field at the receiver coil. The operating frequency is 4000 cycles per second.

FIELD PROCEDURE

The survey was flown at an average line spacing of 1000 feet and at 200 feet mean terrain clearance.

The flight path was recovered by plotting positions on the ground determined by a positioning camera that takes a sequence of exposures while the survey is in progress. The magnetic data were corrected for diurnal variation and plotted in the form of contours of equal magnetic intensity. The E.M. data were plotted as contours of in-phase amplitude in parts per million with respect to the primary. Anomalies are shown by circled figures representing the amplitudes of the in-phase and quadrature components.

RESULTS

The results are shown on four sets of maps at a scale of one inch equals 1320 feet.

Pete Group

The strongest E.M. anomaly on this group occurs at 11 (2445) and 12 (2660), the latter denoting line 12 at fiducial 2660. Another occurs at 1 (3486) and 2 (3368). Neither shows a

significant magnetic correlation. The quality of neither is such as to indicate a high probability of the source being sulphite mineralization as opposed to graphite. In spite of this reservation, both are recommended for ground magnetic, electromagnetic and geochemical surveys.

An electromagnetic anomaly of good quality occurs at 5 (2916), 6 (3435) and 7 (2340, 2345). Although the amplitude is lower than the above, the quality appears better. It is also recommended for ground follow-up.

Dora Group

No anomalies of good quality were noted.


Leas Group

A strong E.M. anomaly occurs at 2 (1999). This is recommended for ground magnetic electromagnetic and geochemical work.

Gray Group

No anomalies of good quality were noted.

Respectfully submitted


D.W. SMELLIE, P.Eng.
for Exploration Geophysics
(Yukon) Ltd.

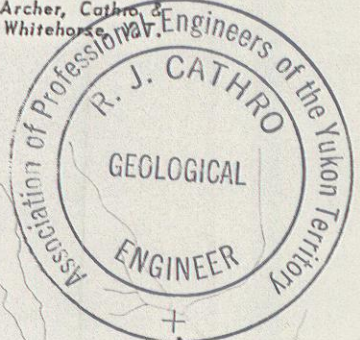
DWS:sd

December 20, 1966

FIGURE 1

ZIPPX SYNDICATE ANVIL - VANGORDA CREEK — ROSS RIVER DISTRICT

Additional copies of this map may be obtained on application to Archer, Cathro & Associates Ltd., Box 1051, Whitehorse.



THIS MAP IS DRAWN FROM GOVERNMENT CLAIM MAPS AND IS BELIEVED TO BE CORRECT. MINERAL LOCATIONS AND OWNERSHIP ARE NOT CERTIFIED.

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1 2 3 4 5
MILES

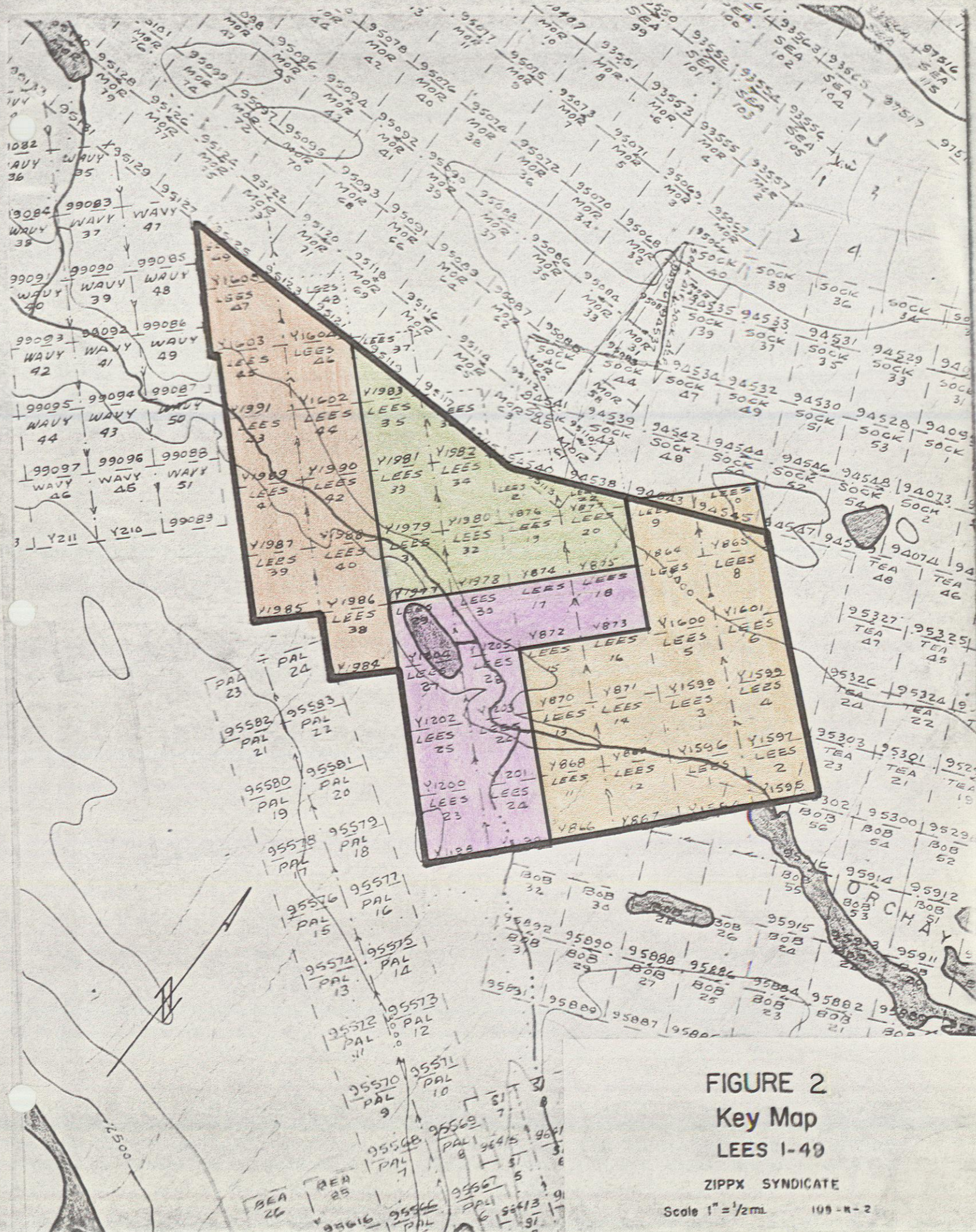


FIGURE 2
Key Map
LEES 1-40

ZIPPX SYNDICATE

Scale 1" = 1/2mi. 109-N-2

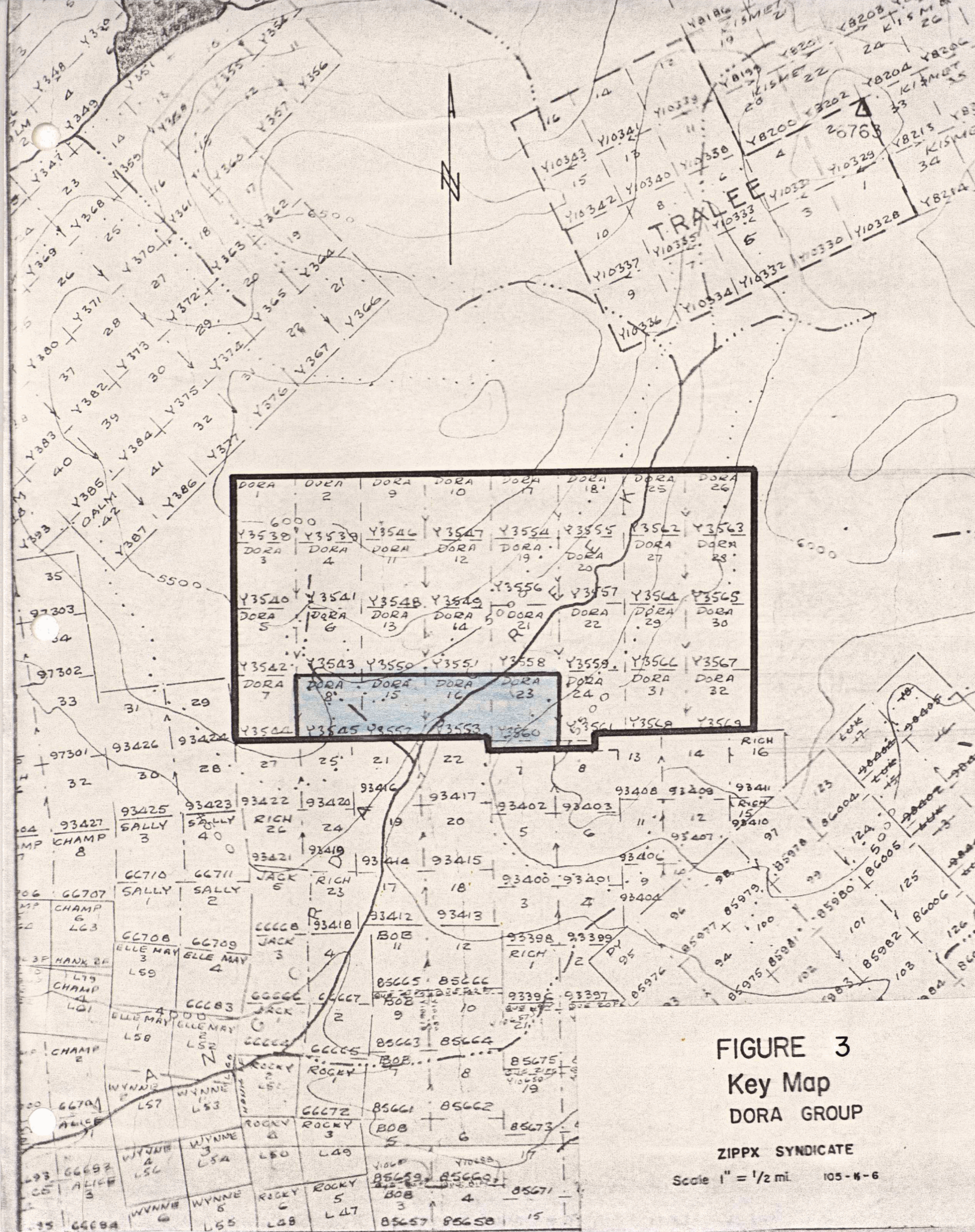


FIGURE 3
Key Map
DORA GROUP

ZIPPX SYNDICATE

Scale 1" = 1/2 mi. 105-K-6

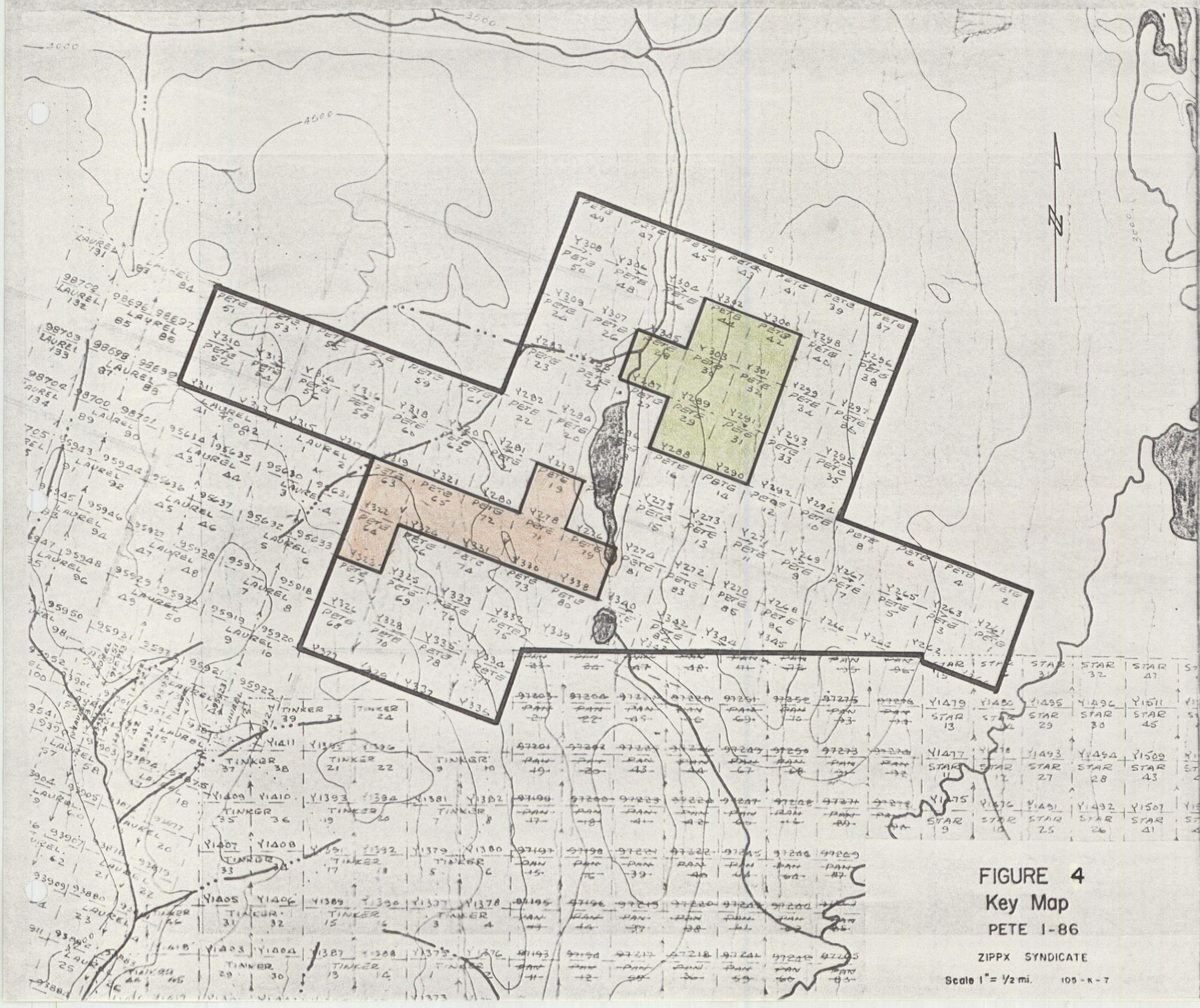


FIGURE 4
Key Map
PETE I-86

ZIPPX SYNDICATE

Scale 1" = 1/2 mi. 109-K-7

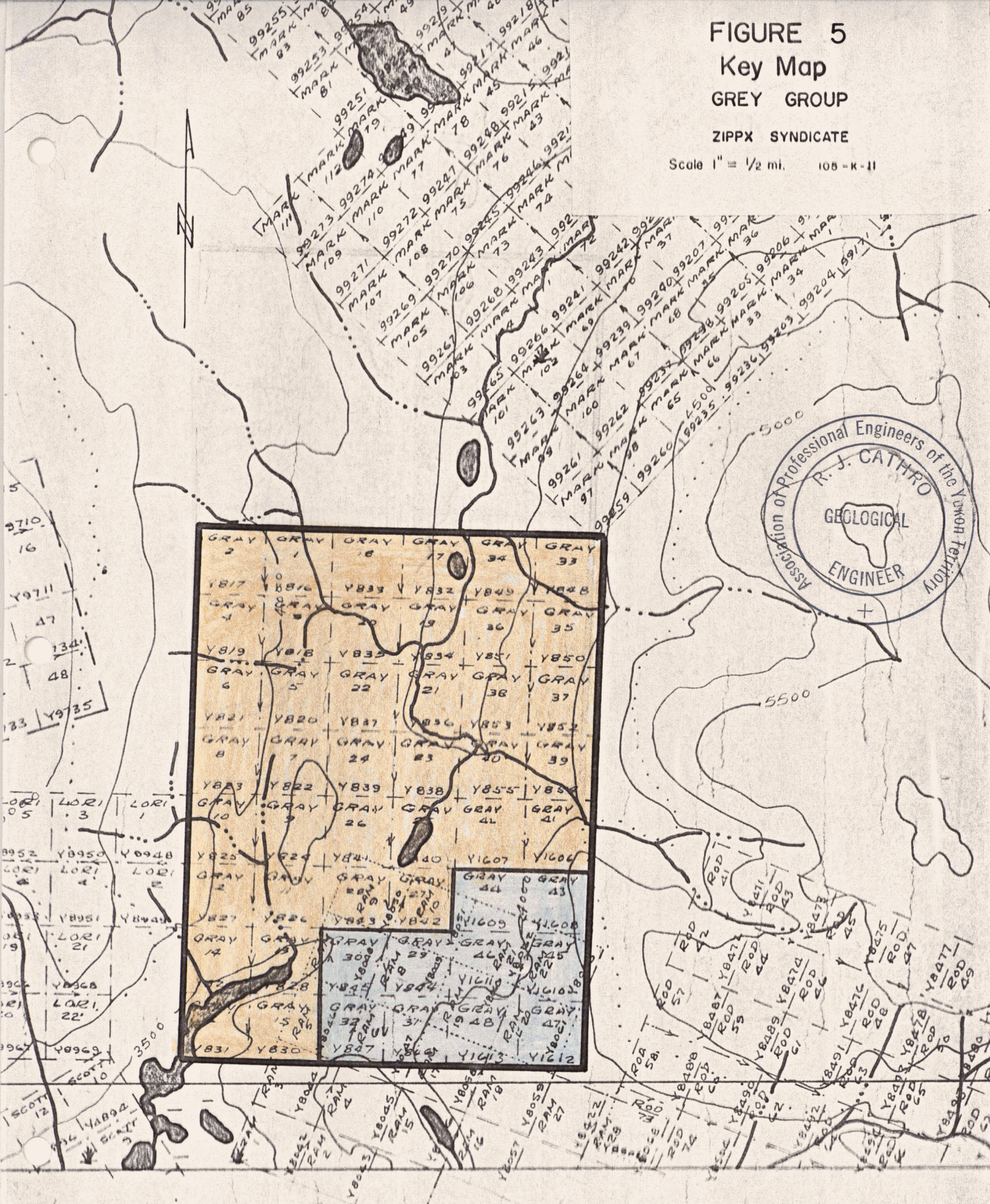
FIGURE 5

Key Map

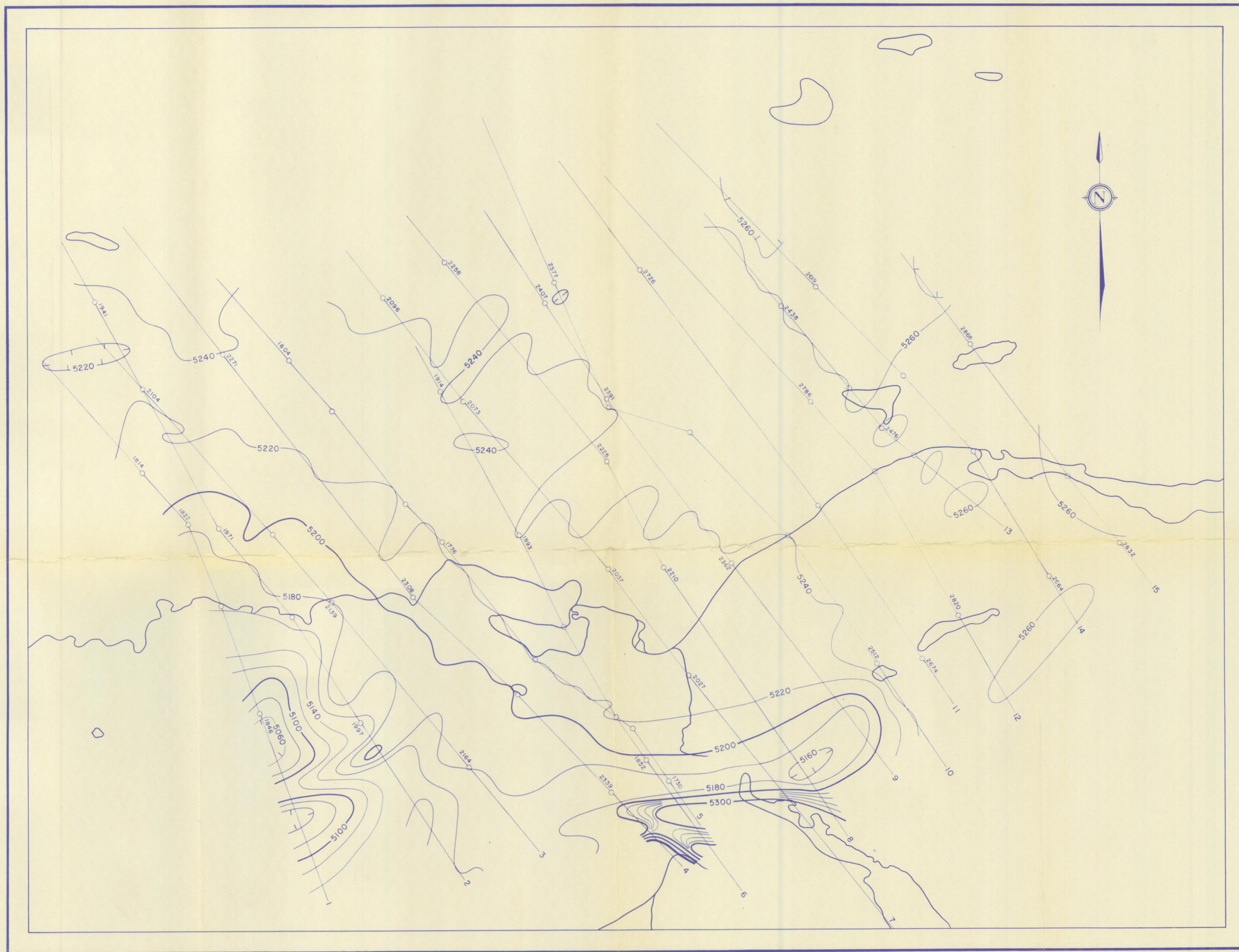
GREY GROUP

ZIPPX SYNDICATE

Scale 1" = 1/2 mi. 108-K-11



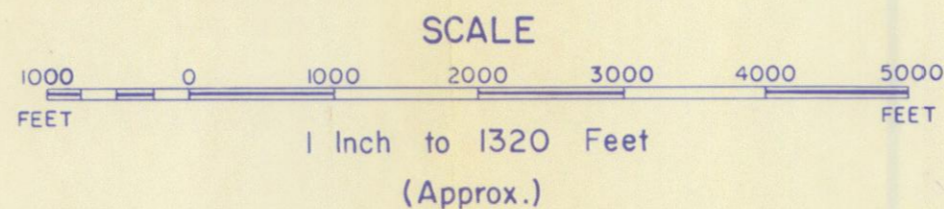
ZIPPX SYNDICATE AIRBORNE GEOPHYSICAL SURVEY



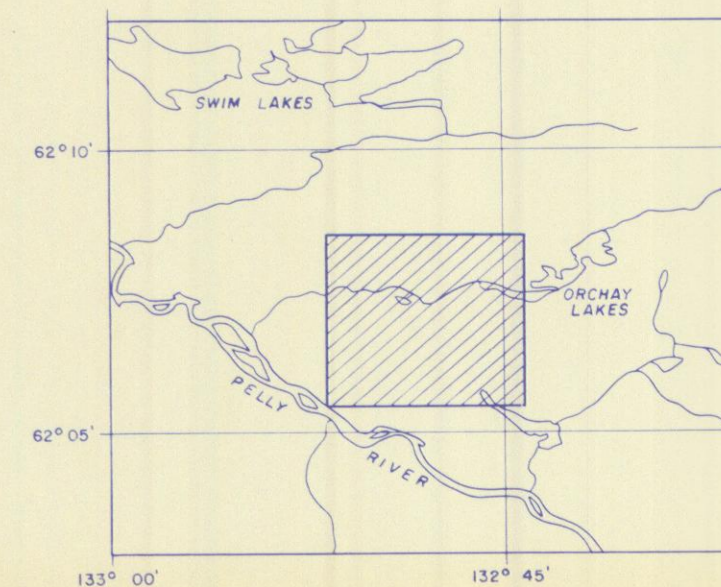
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- MEAN FLIGHT LINE SPACING 1000 FEET
- MEAN TERRAIN CLEARANCE 200 FEET
- 500 GAMMA CONTOUR
- 100 GAMMA CONTOUR
- 20 GAMMA CONTOUR
- MAGNETIC LOW
- FIDUCIAL POINTS 3690
- FLIGHT LINES

LEES GROUP YUKON TERRITORY

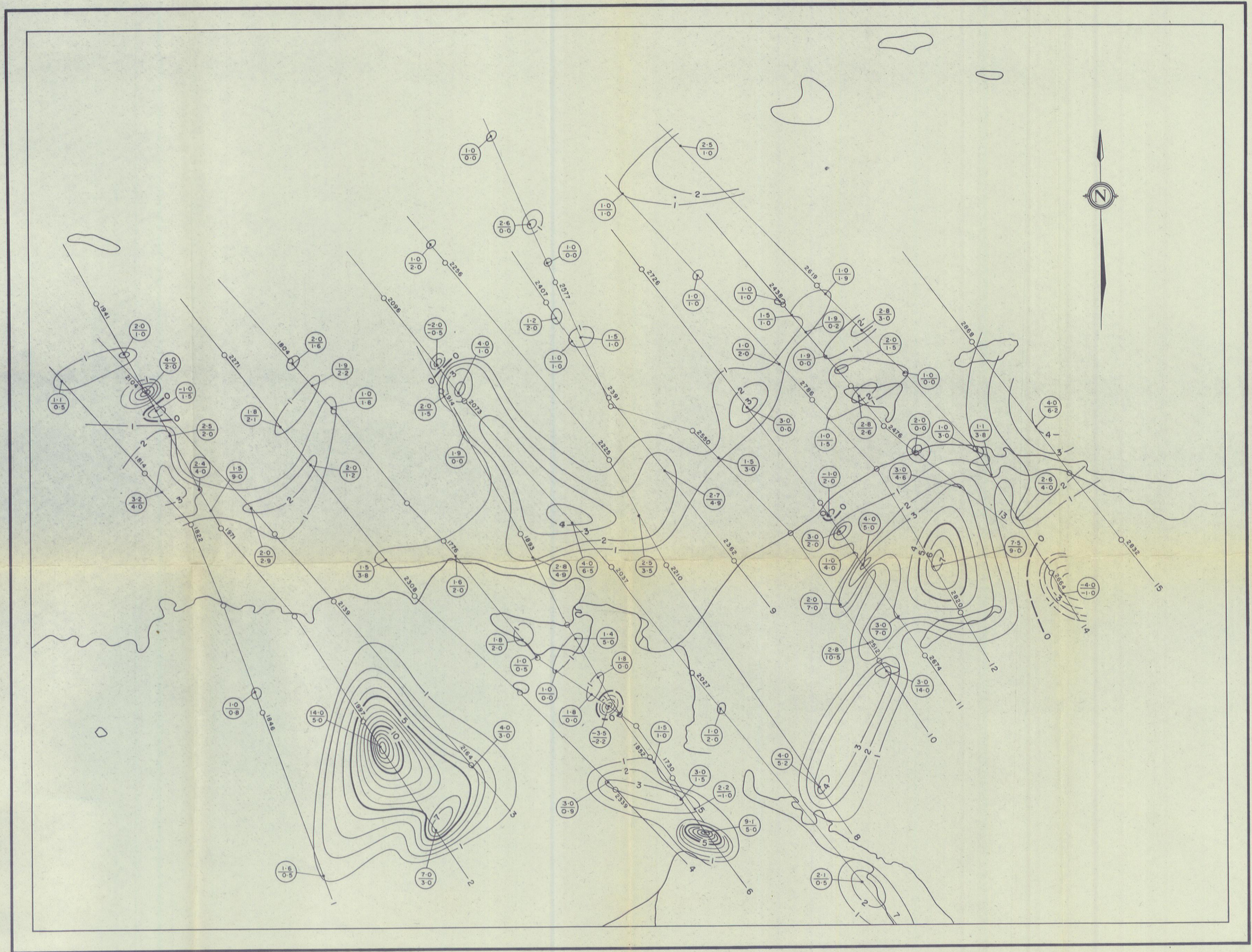
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1966



AEROMAGNETIC MAP



ZIPPX SYNDICATE AIRBORNE GEOPHYSICAL SURVEY

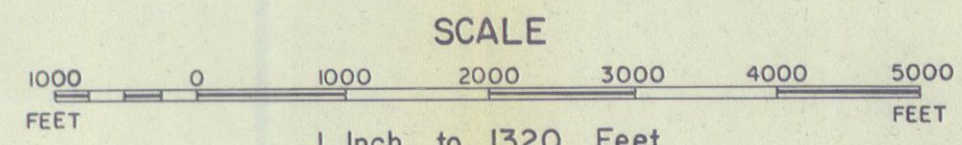


MEAN FLIGHT LINE SPACING ----- 1000 FEET
 MEAN TERRAIN CLEARANCE ----- 200 FEET
 ELECTROMAGNETIC CONTOURS 5, 10, 15 etc. -----
 1, 2, 3, 4 etc. -----
 NEGATIVE CONTOURS -5, -10 etc. -----
 -1, -2, -3, -4 etc. -----
 FIDUCIAL POINTS ----- 3690
 FLIGHT LINES -----

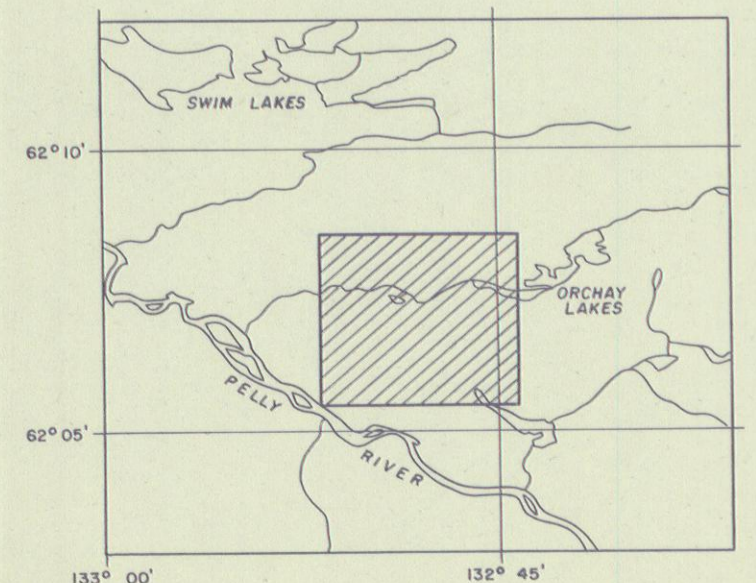
The contours represent amplitude of in phase response of the resultant field expressed in parts per million of the primary.
 The figures $\frac{2.3}{0.2}$ represent amplitude in phase component over quadrature component
 The frequency of the primary current is 4000 cycles per second.

LEES GROUP YUKON TERRITORY

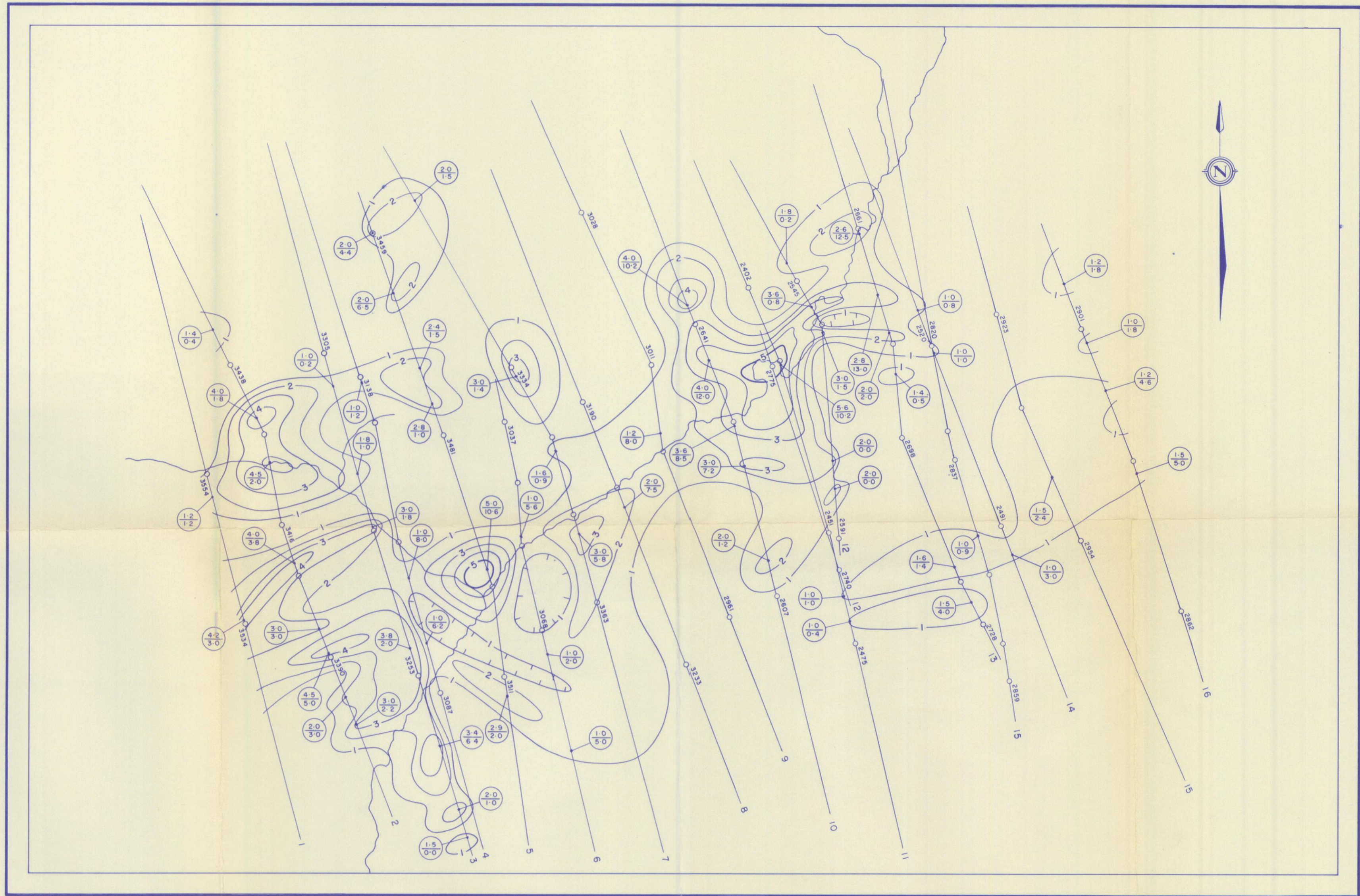
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ELECTROMAGNETIC MAP



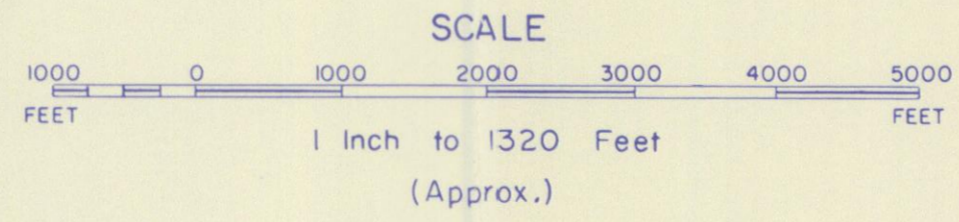
ZIPPX SYNDICATE AIRBORNE GEOPHYSICAL SURVEY



MEAN FLIGHT LINE SPACING ----- 1000 FEET
 MEAN TERRAIN CLEARANCE ----- 200 FEET
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 1, 2, 3, 4 etc. -----
 FIDUCIAL POINTS ----- ○ 3690
 FLIGHT LINES ----- ○

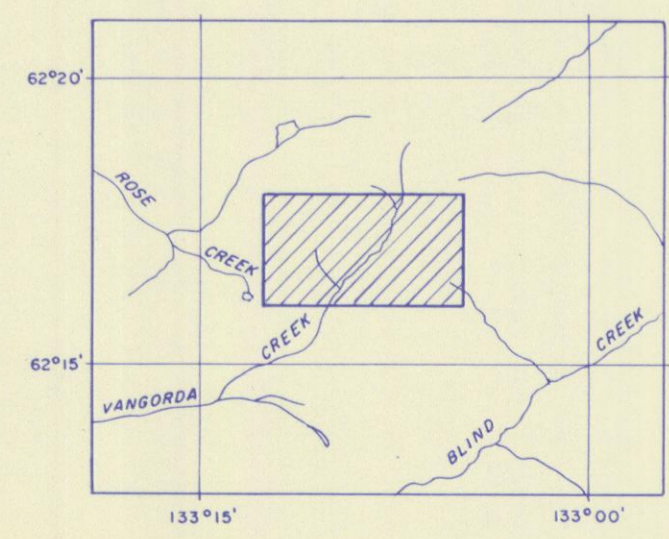
DORA GROUP YUKON TERRITORY

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The contours represent amplitude of in phase response of the resultant field expressed in parts per million of the primary.
 The figures $\frac{2.3}{0.2}$ represent amplitude $\frac{\text{in phase component}}{\text{quadrature component}}$
 The frequency of the primary current is 4000 cycles per second.

ELECTROMAGNETIC MAP

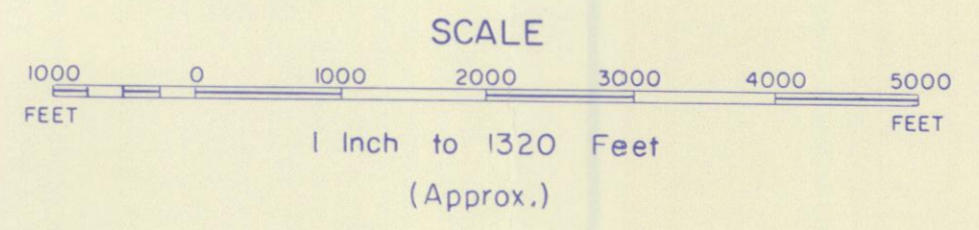


ZIPPX SYNDICATE AIRBORNE GEOPHYSICAL SURVEY



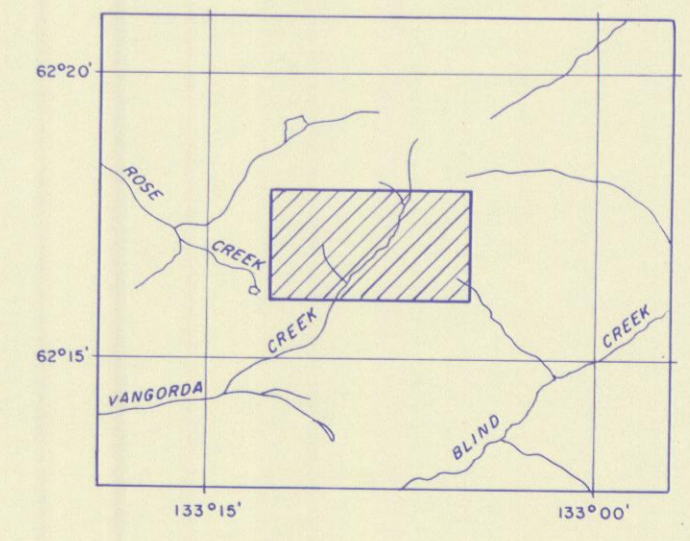
DORA GROUP YUKON TERRITORY

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AEROMAGNETIC MAP

- CONTOUR INTERVAL 20 GAMMA
- MEAN FLIGHT LINE SPACING 1000 FEET
- MEAN TERRAIN CLEARANCE 200 FEET
- 500 GAMMA CONTOUR
- 100 GAMMA CONTOUR
- 20 GAMMA CONTOUR
- MAGNETIC LOW
- FIDUCIAL POINTS 3690 ○
- FLIGHT LINES



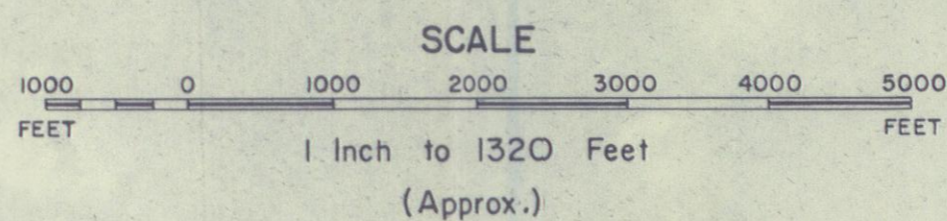
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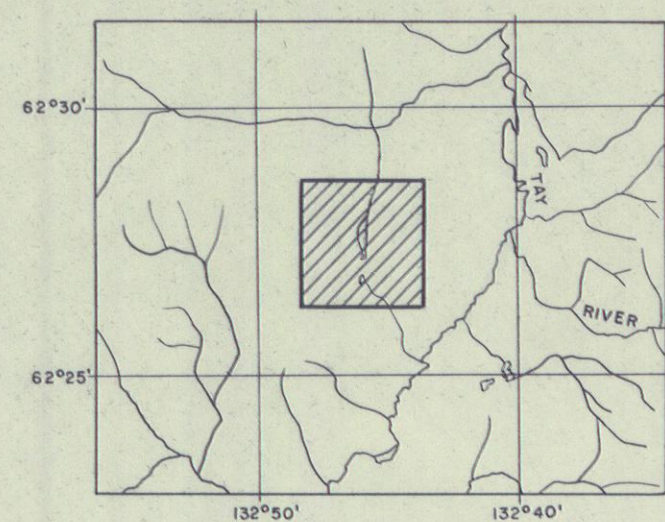
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- MEAN FLIGHT LINE SPACING..... 1000 FEET
- MEAN TERRAIN CLEARANCE..... 200 FEET
- 500 GAMMA CONTOUR.....
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- 20 GAMMA CONTOUR.....
- MAGNETIC LOW.....
- FIDUCIAL POINTS.....
- FLIGHT LINES.....

PETE GROUP
YUKON TERRITORY

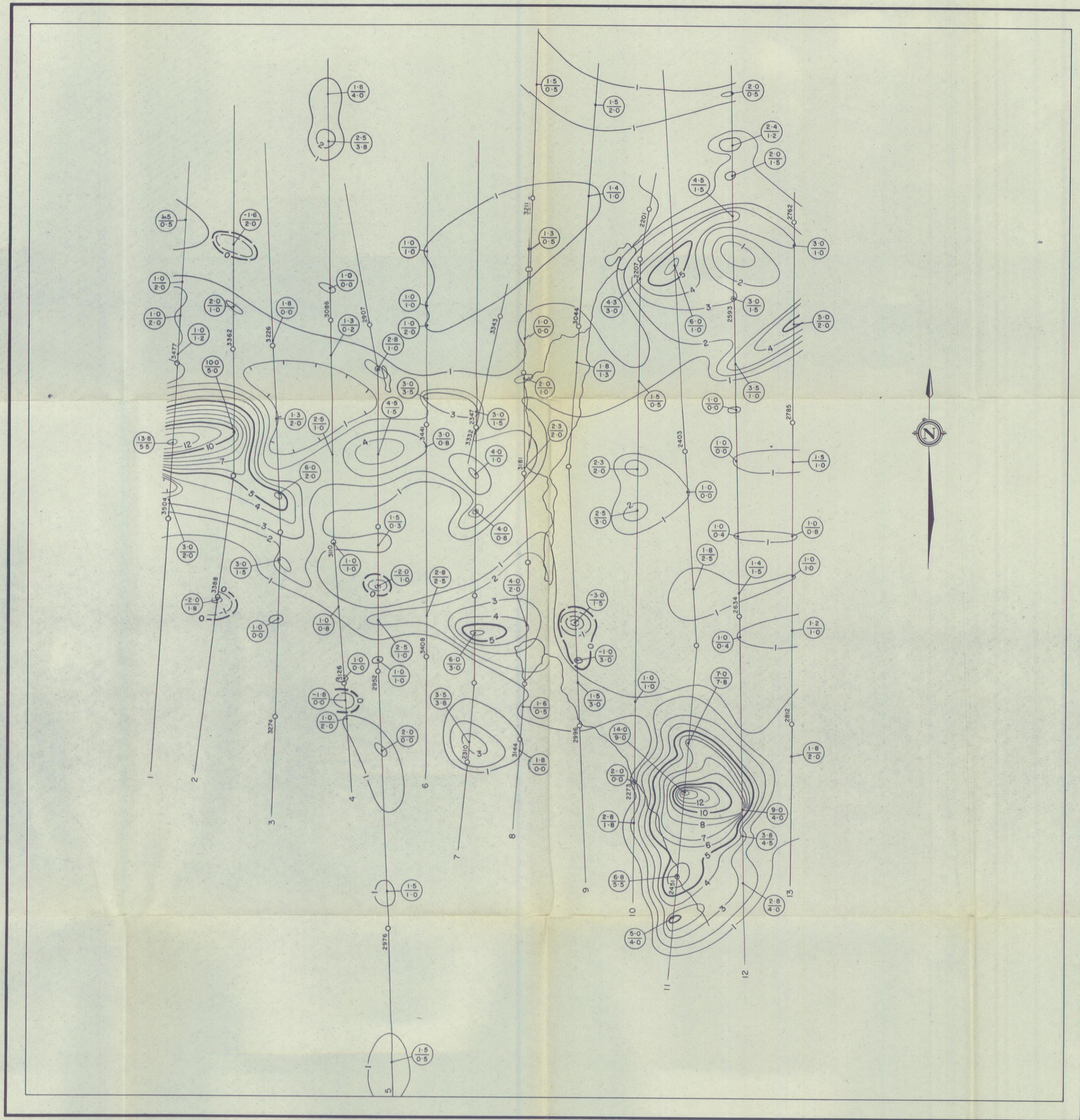
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AEROMAGNETIC MAP



ZIPPX SYNDICATE AIRBORNE GEOPHYSICAL SURVEY

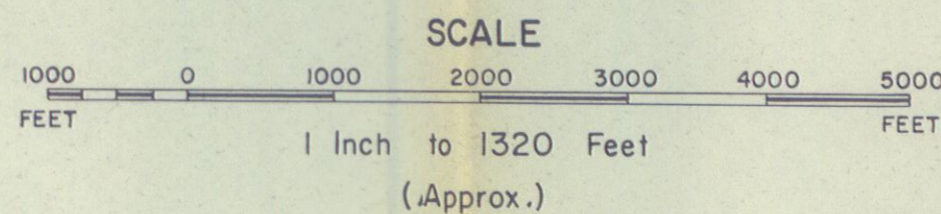


MEAN FLIGHT LINE SPACING 1000 FEET
 MEAN TERRAIN CLEARANCE 200 FEET
 ELECTROMAGNETIC CONTOURS 5, 10, 15 etc.
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 FIDUCIAL POINTS 3690
 FLIGHT LINES

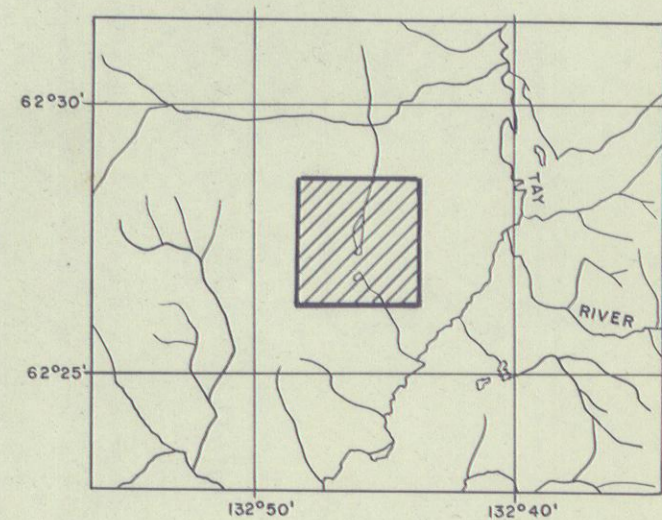
The contours represent amplitude of in phase response of the resultant field expressed in parts per million of the primary.
 The figures $\frac{2.3}{0.2}$ represent amplitude in phase component quadrature component
 The frequency of the primary current is 4000 cycles per second.

PETE GROUP YUKON TERRITORY

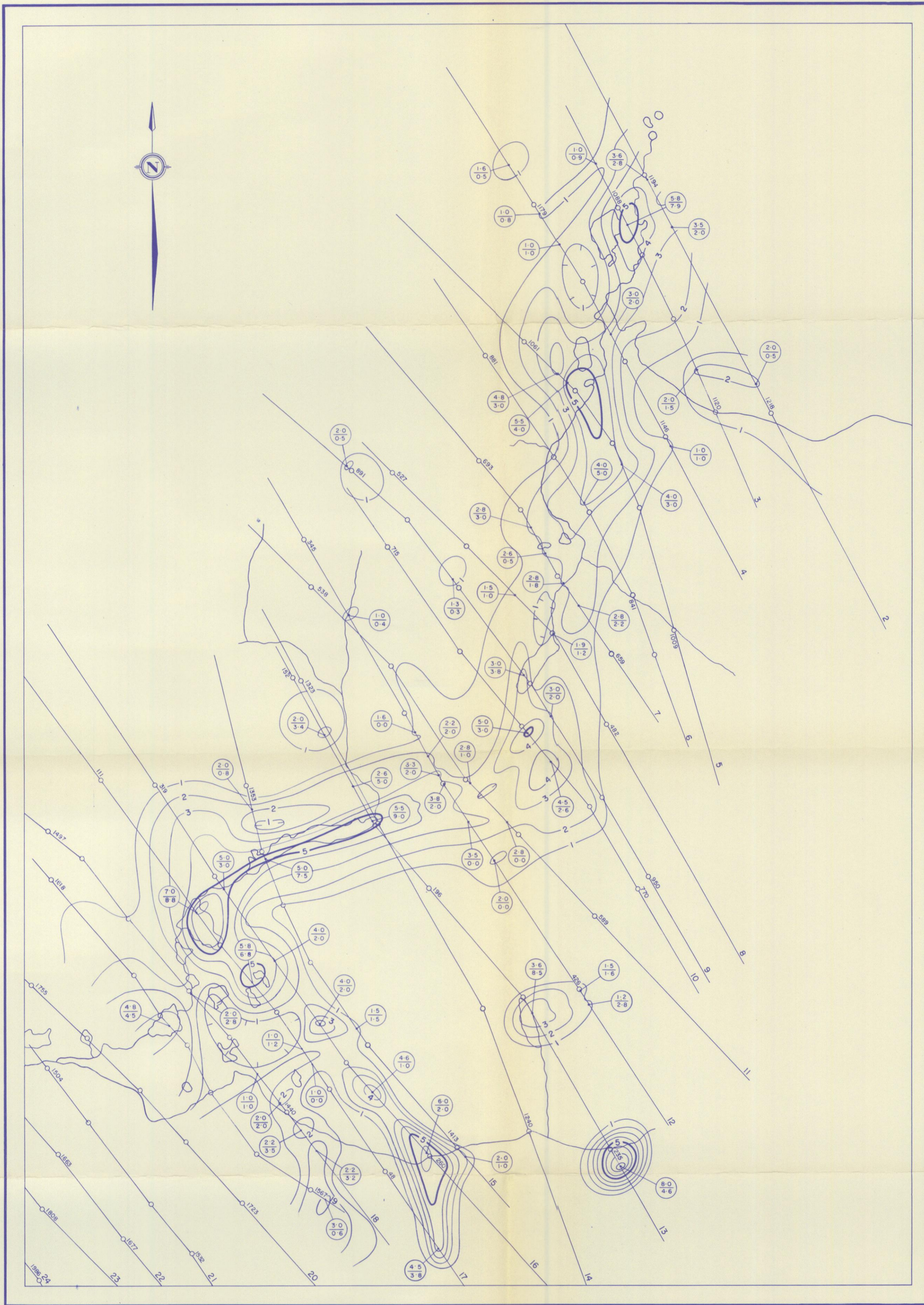
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 1966



ELECTROMAGNETIC MAP



ZIPPX SYNDICATE AIRBORNE GEOPHYSICAL SURVEY



MEAN FLIGHT LINE SPACING ----- 1000 FEET
 MEAN TERRAIN CLEARANCE ----- 200 FEET
 ELECTROMAGNETIC CONTOURS 5, 10, 15 etc. -----
 1, 2, 3, 4 etc. -----
 NEGATIVE CONTOURS -5, -10 etc. -----
 -1, -2, -3, -4 etc. -----
 FIDUCIAL POINTS ----- 3690
 FLIGHT LINES -----

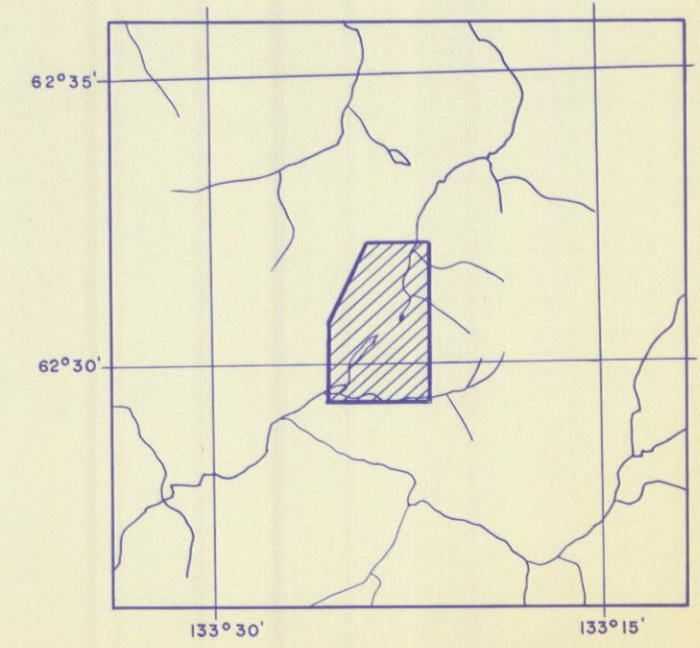
The contours represent amplitude of in phase response of the resultant field expressed in parts per million of the primary. The figures $\frac{2.3}{0.2}$ represent amplitude in phase component quadrature component. The frequency of the primary current is 4000 cycles per second.

GRAY GROUP YUKON TERRITORY

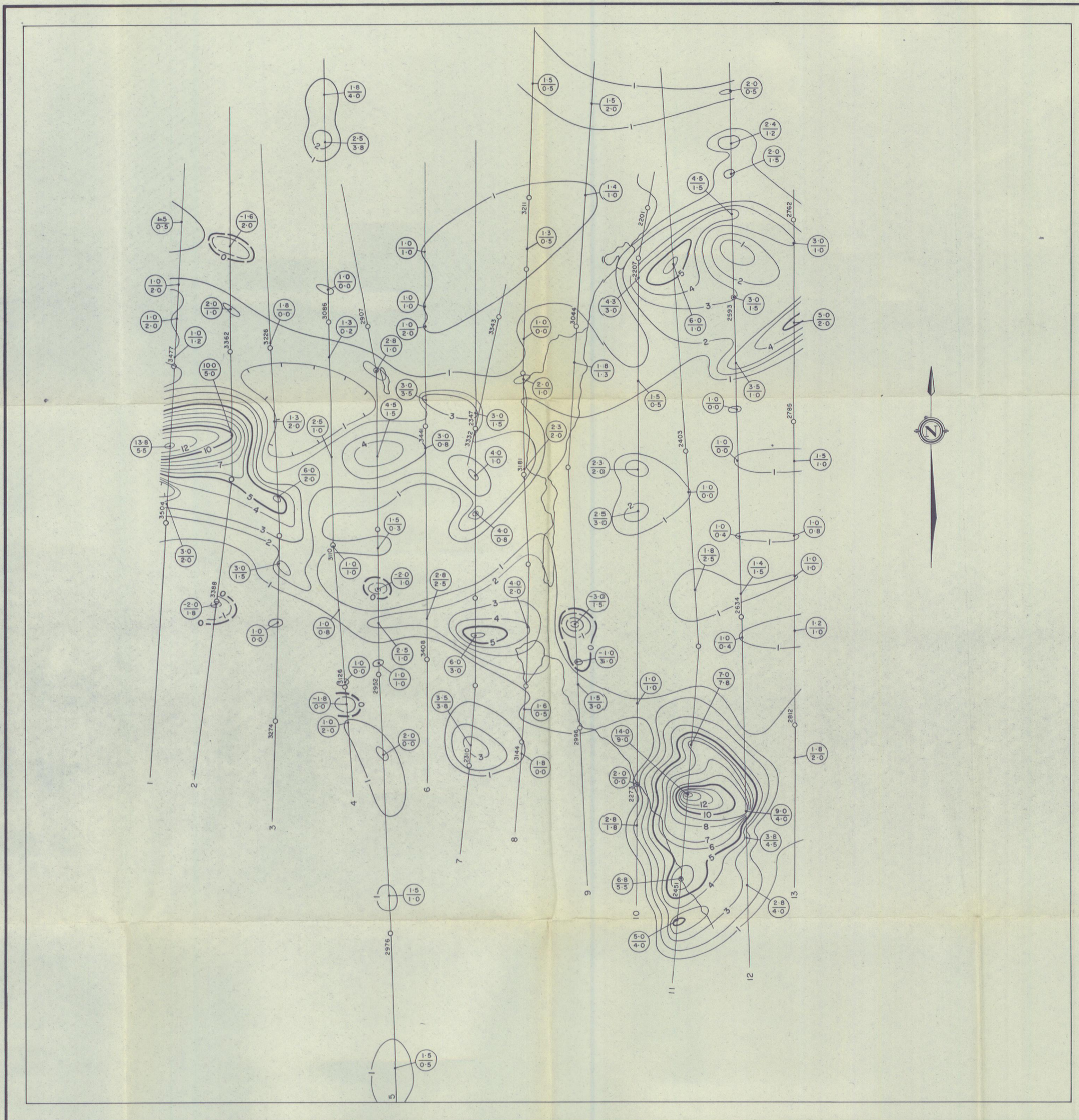
SCALE
 1000 0 1000 2000 3000 4000 5000
 FEET
 1 Inch to 1320 Feet
 (Approx.)

ELECTROMAGNETIC MAP

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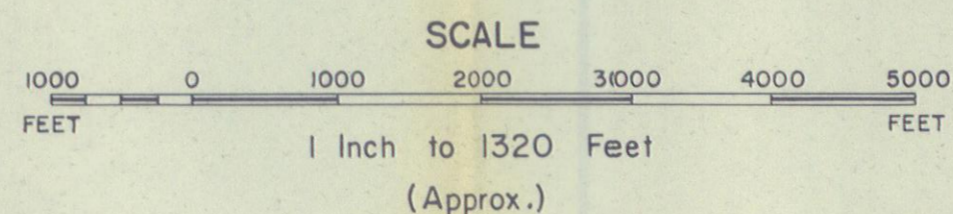


ZIPPX SYNDICATE AIRBORNE GEOPHYSICAL SURVEY

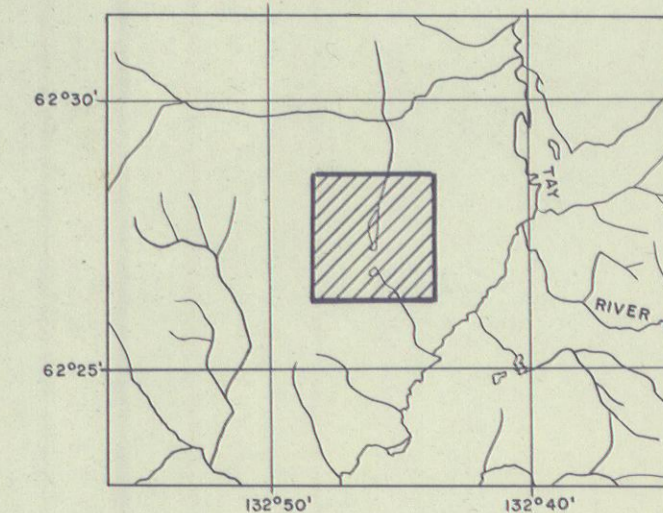


PETE GROUP YUKON TERRITORY

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ELECTROMAGNETIC MAP



MEAN FLIGHT LINE SPACING	-----	1000 FEET
MEAN TERRAIN CLEARANCE	-----	200 FEET
ELECTROMAGNETIC CONTOURS	5, 10, 15 etc. -----	
	1, 2, 3, 4 etc. -----	
NEGATIVE CONTOURS	-5, -10 etc. -----	
	-1, -2, -3, -4 etc. -----	
FIDUCIAL POINTS	-----	3690
FLIGHT LINES	-----	

The contours represent amplitude of in phase response of the resultant field expressed in parts per million of the primary. The figures $\frac{2.3}{0.2}$ represent amplitude in phase component / quadrature component. The frequency of the primary current is 4000 cycles per second.

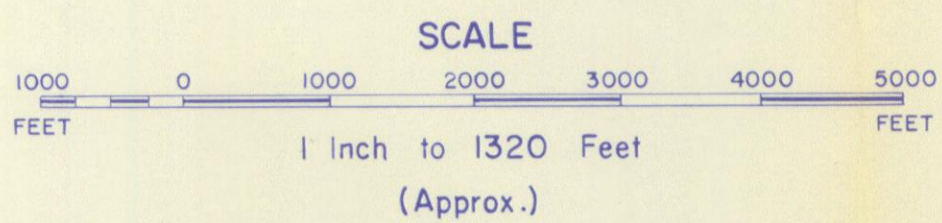
ZIPPX SYNDICATE AIRBORNE GEOPHYSICAL SURVEY



- CONTOUR INTERVAL 20 GAMMA
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- 500 GAMMA CONTOUR
- 100 GAMMA CONTOUR
- 20 GAMMA CONTOUR
- MAGNETIC LOW
- FIDUCIAL POINTS 3690
- FLIGHT LINES

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