

GEOPHYSICAL REPORT

BOT CLAIM GROUP

Watson Lake Mining District

Yukon Territory



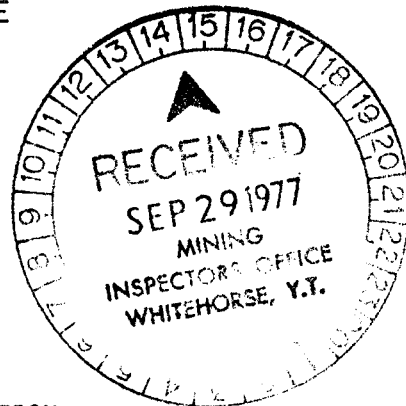
N.T.S. 105 G - 10

Latitude: 61⁰ 40' N

Longitude: 130⁰ 55' E

By:

P. Dean



CYPRUS ANVIL MINING CORPORATION

September 21, 1977

Field Work Carried Out: August 26, 1977.

090212

This report has been examined by the Geological Evaluation Unit and is recommended to the Council of the Territory to be considered as representation work in the amount of \$24.93

D.B. Craig
Resident Geologist or
~~Resident Mining Engineer~~

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

B.R. Baxter
B. R. BAXTER
Supervising Mining Recorder

[Signature]
Commissioner of Yukon Territory

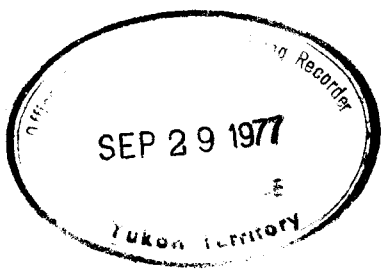


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LIST OF CLAIMS

<u>Claims</u>	<u>Grant Nos.</u>	<u>Recording Dates</u>
Bot 1 - 8	YA 11096 - YA 11103	September 20, 1976
Bot 9 - 10	YA 11104 - YA 11105	September 20, 1976

BOT CLAIM GROUP

LOCATION MAP

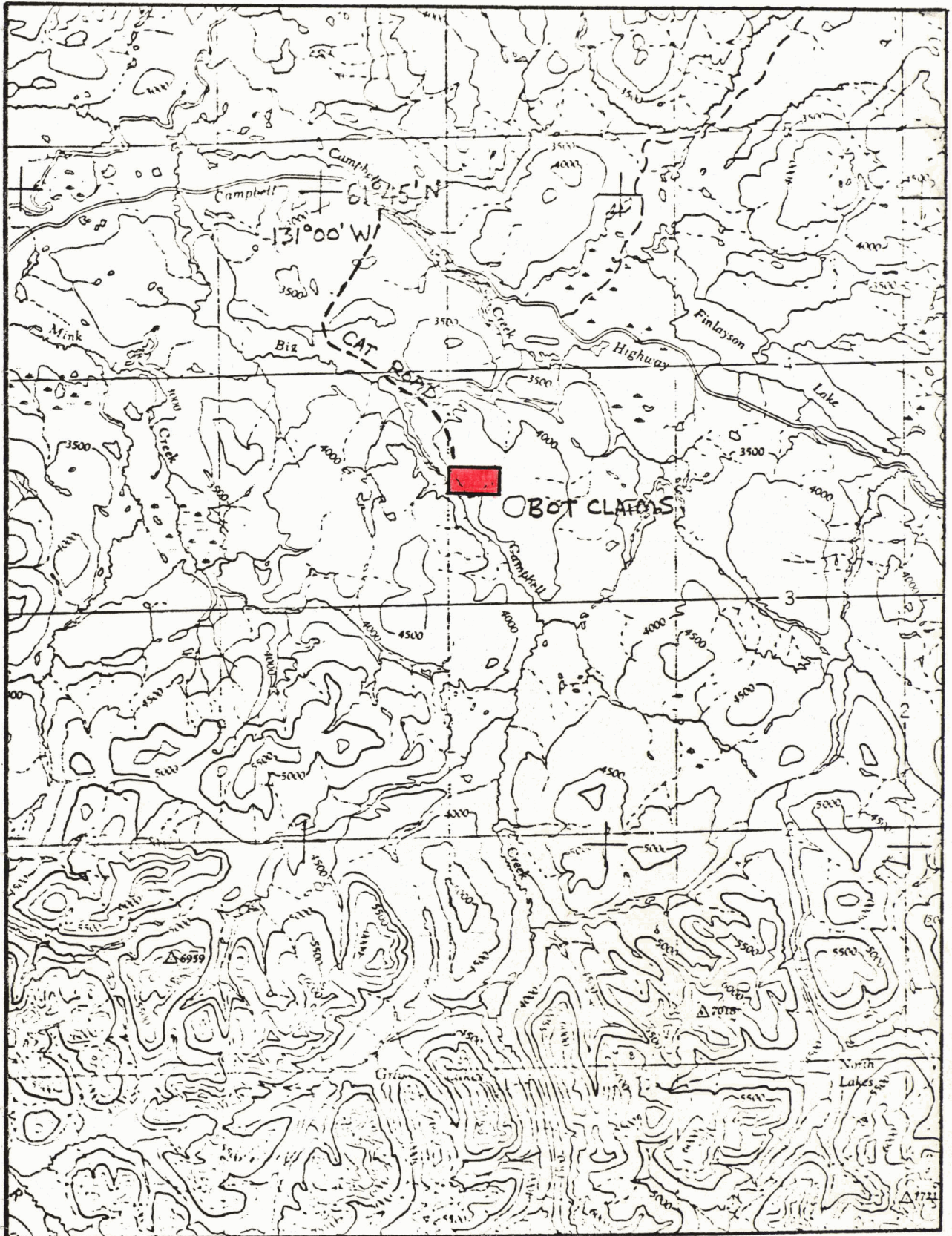


FIGURE 1

GEOPHYSICAL REPORT

BOT CLAIM GROUP

INTRODUCTION

The BOT Claim Group, consisting of 10 contiguous claims, was staked in 1976 to cover showings of low grade asbestos which outcrop on Big Campbell Creek on the Finlayson Lake Map sheet. The showings were originally discovered and staked in 1969 by Atlas Explorations Ltd. who carried out line cutting, geologic mapping, and magnetic surveys on the property.

In August of this year we relocated the old Atlas Explorations grid, re-chained and flagged several of the lines, and carried out magnetic surveys along enough of the old picket lines to relocate the major magnetic anomalies detected by the previous survey.

GEOLOGIC SETTING

On the BOT claims asbestos fibre is found in narrow veinlets cutting a 200 to 500 foot wide dyke of serpentized peridotite. The peridotite dyke occurs within a sequence of Mississippian metasediments and metavolcanics which consist primarily of chlorite sericite phyllites in the vicinity of the claim group. The serpentinite dyke outcrops close to Big Campbell Creek and appears to strike approximately east, away from the Creek and into an overburden covered area. The asbestos fibre is of uneconomic grade where it outcrops, but it is possible that economic grades may occur in the portion of the dyke under overburden.

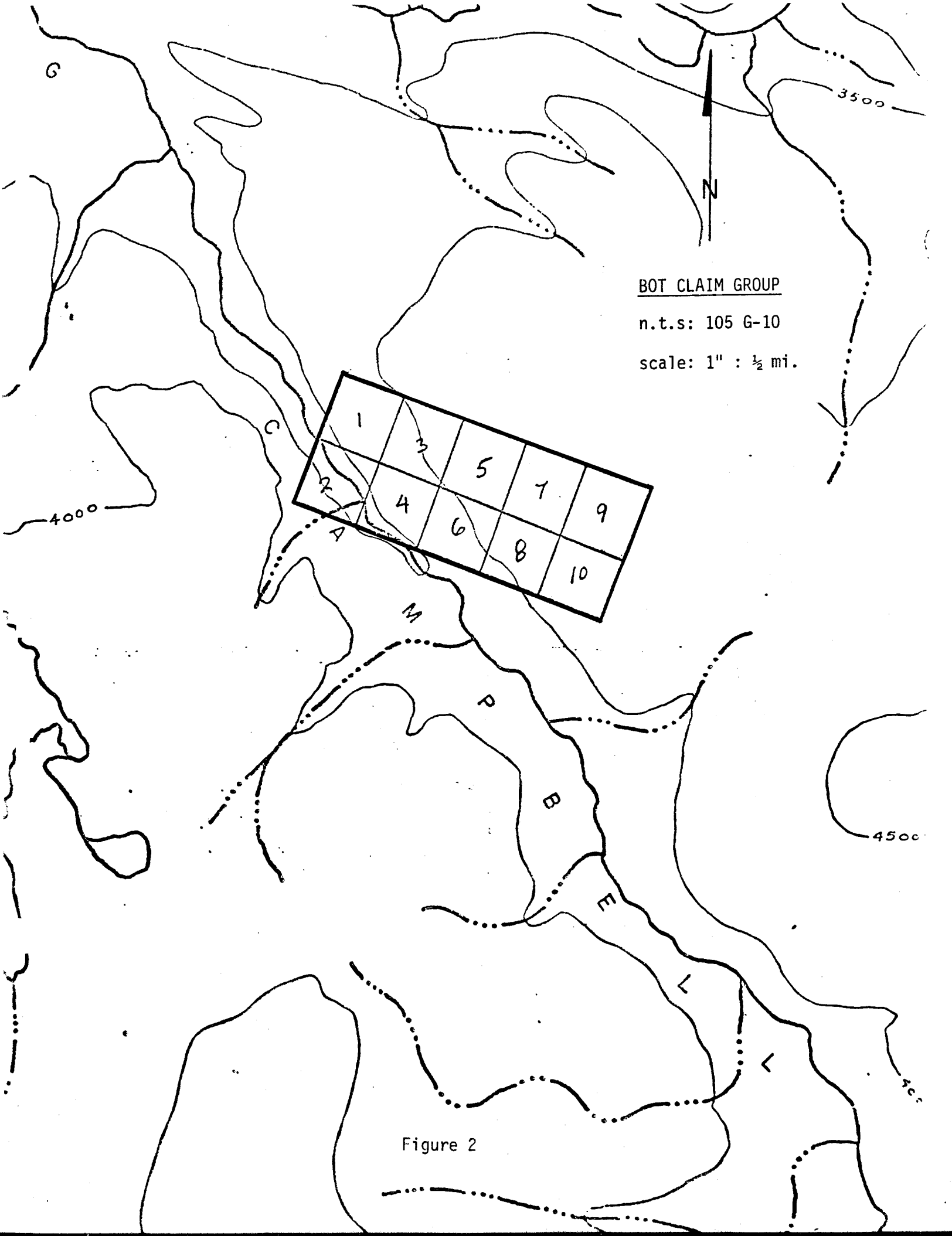


Figure 2

MAGNETIC SURVEY

The magnetic survey carried out in 1969 covered most of the area now included in the BOT Claim Group, and appears to be generally reliable. The small amount of magnetic survey work which we did this year was intended to relocate the 1969 magnetic anomalies on the ground, in preparation for a program of trenching with a cat tractor which will be carried out during September or October of 1977.

For purpose of presentation, the new magnetic values have been superimposed on the 1969 magnetic survey map, so direct comparison of old values and new is possible (Figure 3). In general the results are closely similar, and the minor differences which do occur may result in part from slight variations in chaining between our 1977 work and the original 1969 grid, and in part from differences between the two magnetometers used in the survey.

PROPOSED EXPLORATION

An attempt will be made during September or October to trench down to bedrock on the main magnetic anomalies which occur under overburden on the middle and eastern end of the claim group. This work will be carried out using a D6C Caterpillar tractor with a ripper. If successful, this work should indicate the presence or absence of economic grades of fibre within the serpentinite dyke on this part of the property.

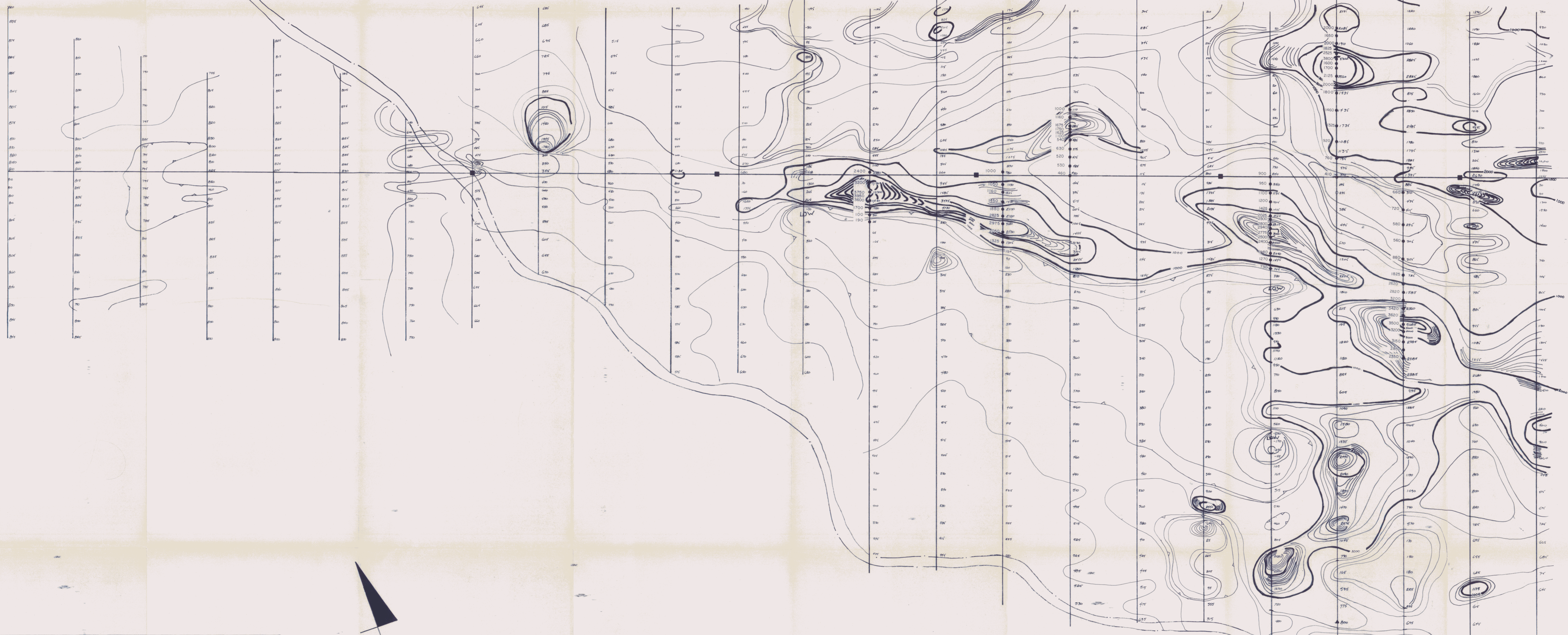
Respectfully submitted,



PETER DEAN.

September 21, 1977.

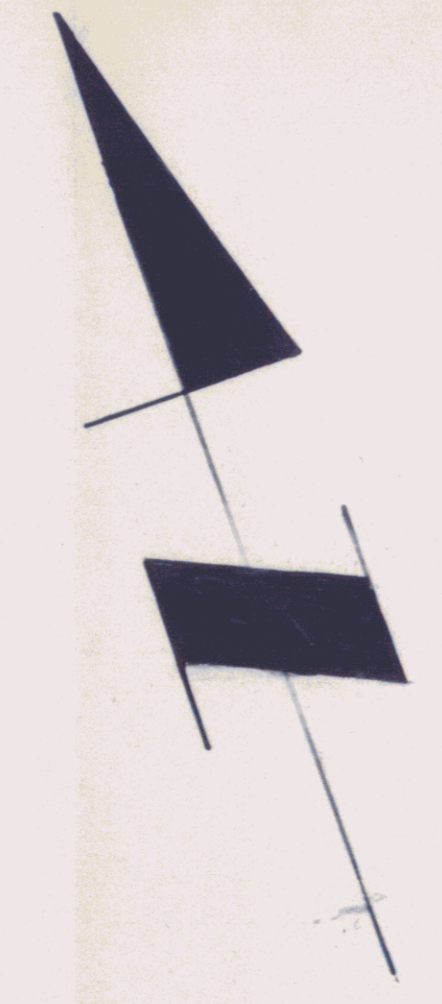
28W 24W 20W 16W 12W 8W 4W 0 4E 8E 12E 16E 24E 32E 36E 44E 48E 60E 64E



BOT CLAIMS	
MAGNETOMETER SURVEY	
STATION DATA (GAMMAS)	
Scale	1" = 200'
Date	August 1969
Operator	Stephen
Instrument	Sharpe MF-1

LEGEND

- 1000'
- 100'
- River
- C.E. LINES
- Low



CYPRUS ANVIL MINING CORPORATION	
BOT CLAIM GROUP	
1056-10	
MAGNETOMETER SURVEY	
INSTRUMENT: SHARPE MF-2	CLAIM POST
OPERATOR: J. JOHNSTON	
DATE: AUGUST 26, 1977	
VALUES IN GAMMAS PLOTTED TO LEFT OF STATIONS	