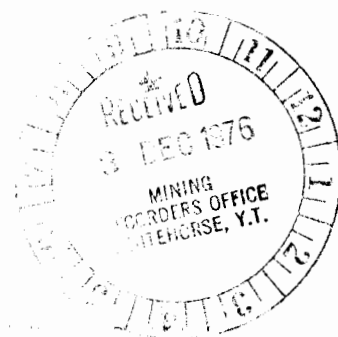




A REPORT

ON

A GRAVITY SURVEY

Anvil Area, Whitehorse M.D.

Yukon Territory

FOR

CYPRUS ANVIL MINING CORPORATION

Vancouver, British Columbia

BY



PETER E. WALCOTT & ASSOCIATES LIMITED

Vancouver, British Columbia

NOVEMBER 1976



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

\$ 15,600⁰⁰

15,600

W.D. Sinclair

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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INTRODUCTION

Between July 30th and October 10th, 1975, Peter E. Walcott & Associates Limited carried out a gravity survey over a part of the Faro claim group, referred to as the West Faro Grid, for Cyprus Anvil Mining Corporation.

The survey was carried out over N 20° W handcut lines 800 feet apart which were turned off at right angles from a N 70° E baseline, and which were chained and picketed at 100 foot intervals.

Measurements of relative gravity were made every 100 feet along the picket lines using a CG-2 gravity meter. In addition elevations at each of the gravity stations were obtained using a Sokkisha TM-20C theodolite and rod.

The data was then processed and presented in contour form on Maps W-200-1 and 2 that accompany this report.

PROPERTY, LOCATION AND ACCESS

The property is located in the Whitehorse Mining District of the Yukon Territory.

The Anvil Mine of Cyprus Anvil Mining Corporation is situated on the property, and that part of the property surveyed lies to the west of the mine.

The claims over which the survey was conducted are as follows:

Claim Name	Record No.	Expiry Date
FARO 47	92233	July 1, 1987
49	92235	"
51	92237	"
71 - 83	92359 - 71	"
85	92373	"
89 - 96	92453 - 60	"
99 ~~39~~ - 112	92463 - 76	"
114- 122	92478 - 86	"
149- 150	92513 - 14	"
151- 156	92551 - 56	"
169 - 172	92527 - 30	"

Access was obtained by means of a gravel road that traverses the southern part of the claim block from a starting point in the mill yard.

PREVIOUS WORK.

Previous work on that part of the property surveyed consisted of airborne electromagnetic and magnetic work, geochemical soil sampling, prospecting, as well as rotary and diamond drill hole investigation.

The results of the above are well documented in reports held by Cyprus Anvil Mining Corporation.

PURPOSE

The purpose of the survey was to try and locate by the gravimetric method the presence of any mineralized deposits.

It was anticipated that a typical deposit of the area should give an anomaly of 0.5 milligals or better providing it was located within 600 feet of surface.

GEOLOGY

The reader is referred to geological reports by the staff of Cyprus Anvil Mining Corporation.

SURVEY SPECIFICATIONS AND PROCEDURES

The gravity survey was carried out using a Scintrex CG-2 gravity meter, which measures variations in the earth's gravitational field to an accuracy of ± 0.01 milligals.

Values of observed gravity were obtained every 100 feet along the picket lines. Corrections for meter drift were made by tying-in to previously established base stations at intervals not exceeding 2 to 3 hours. Drifts of over 0.10 milligals per hour were not allowable.

The elevations of the gravity stations were determined by rod and transit (Sokkisha TM-20C theodolite) using the stadia method. Errors in the tying-in of loops were kept to a minimal, and did not exceed 0.5 feet per loop.

Corrections were then applied to the observed gravity values for differences in elevation, using a density of 2.6 gm/cc, and latitude.

The final Bouguer gravity values were then plotted and contoured.

In all 34.4 miles of gravity surveying were completed.

DISCUSSION OF RESULTS.

Since this survey is part of the whole gravity survey package that the writer is attempting to compile a discussion of the results for this particular grid is not warranted until all the gravity data has been reduced to a common base, a regional established, and an overall residual map compiled.

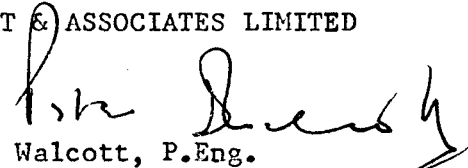
SUMMARY, CONCLUSIONS AND RECOMMENDATIONS.

Between July 30th and October 10th, 1975 Peter E. Walcott & Associates Limited carried out a gravity survey over that part of the Faro claim block of Cyprus Anvil Mining Corporation referred to as the West Faro Grid.

As this work was an extension of previously conducted gravity surveys over and/or around the known Faro deposits the writer concluded that it is not appropriate at this time to compile a residual map based on this data alone, but recommends that the construction of such be held in abeyance until such time as he can tie and/or attempt to tie together the rest of the surveys around the mine for the purpose of constructing a common regional gravity map and thus a common residual gravity map. It should be noted here for the sake of clarification that most of these original surveys have used different starting elevations and different densities for data reduction and thus are not congruent with each other in their present state.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LIMITED


Peter E. Walcott, P.Eng.
Geophysicist

Vancouver, B.C.

November 1976

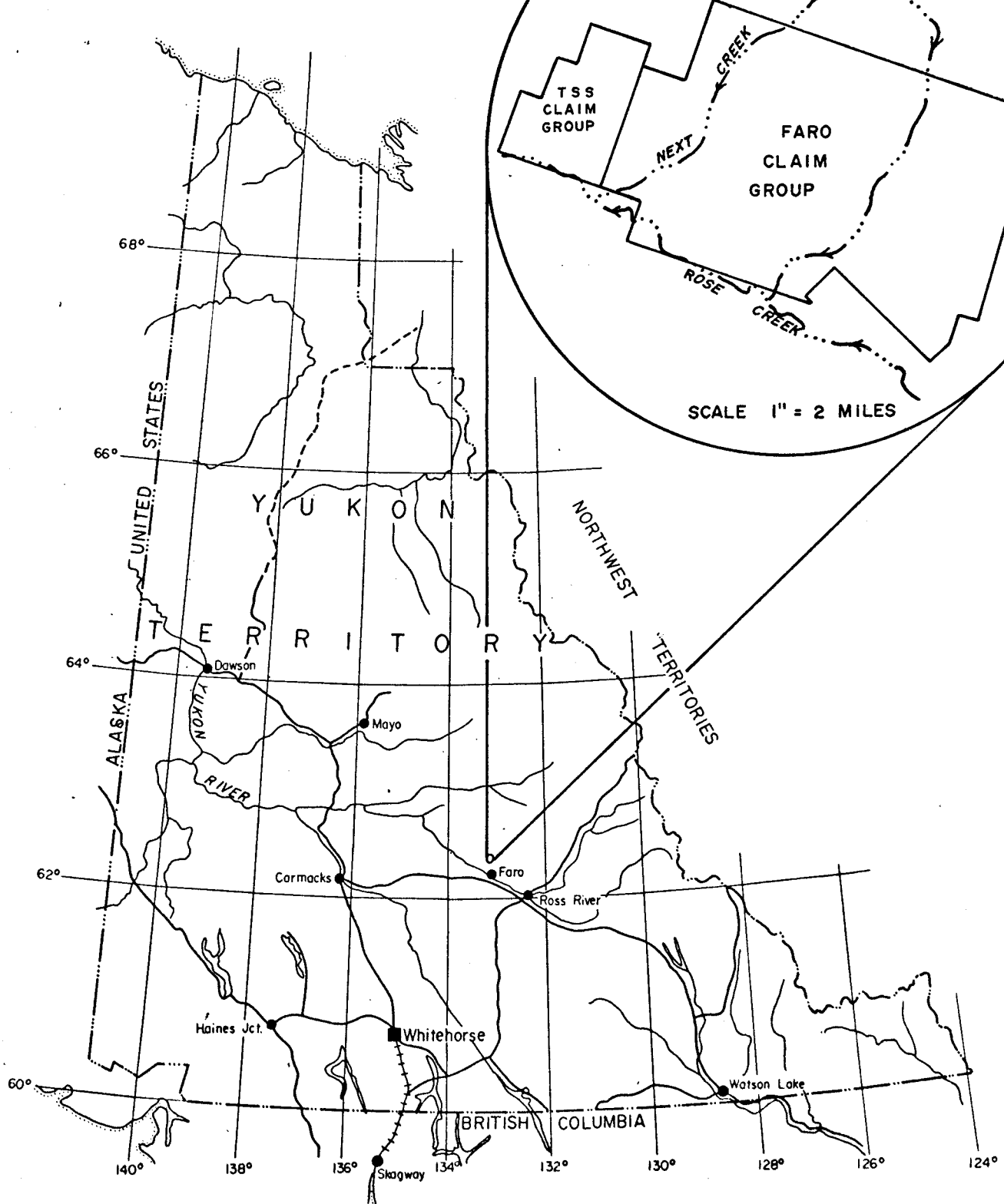
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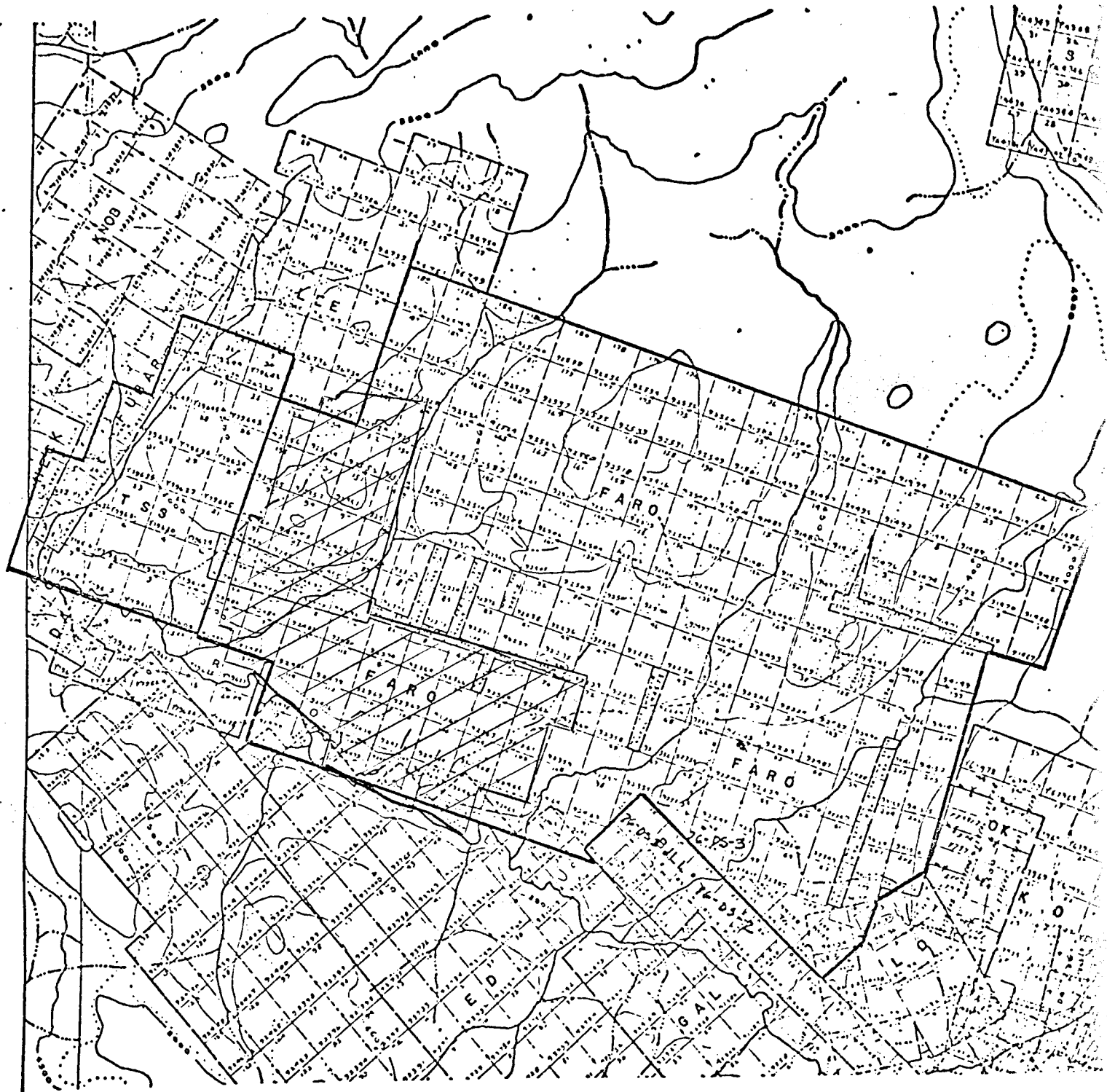
CYPRUS ANVIL MINING CORP.

TSS & FARO CLAIMS ; ANVIL AREA ; WHITEHORSE M.D., Y.T.

PROPERTY LOCATION MAP

SCALE 1" = 100 MILES





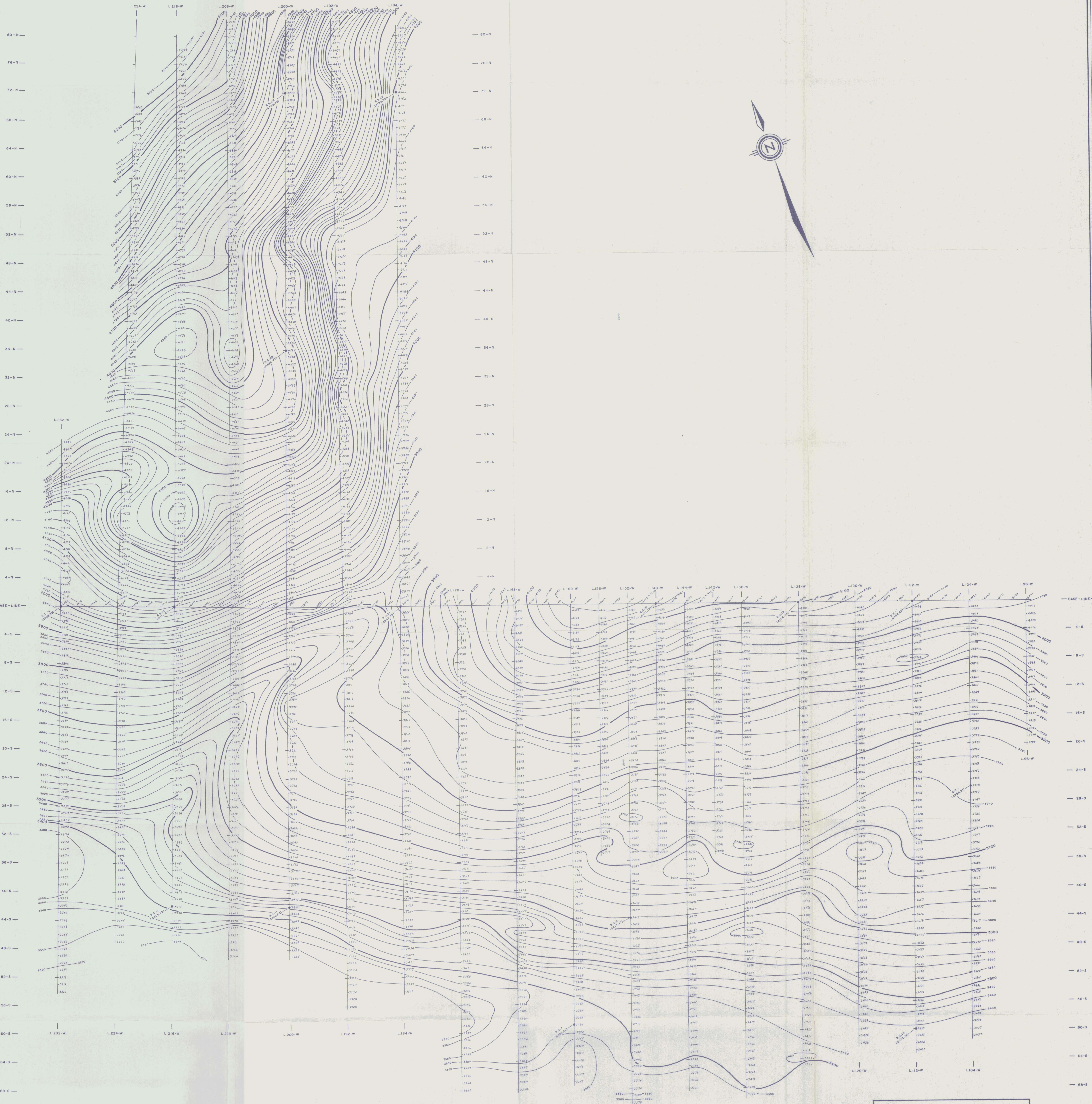
CLAIM & GRID LOCATION MAP

Faro Claims, Whitehorse M.D., Y.T.

Scale 1" = 1 Mile



Grid area



CYPRUS ANVIL MINING CORP.
WEST FARO; ANVIL AREA; WHITEHORSE M.D., YUKON

GRAVITY SURVEY
CONTOURS OF SURFACE ELEVATION
(IN FEET ABOVE SEA LEVEL)

SCALE 1" = 400 FEET

MAP No. W-100-1
TO ACCOMPANY A REPORT BY
PETER E. WALCOTT, P. Eng. DATED NOV-1976

PETER E. WALCOTT & ASSOC. LTD.
JULY-OCT. 1979



CYPRUS ANVIL MINING CORP.
WEST FARO, ANVIL AREA, WHITEHORSE M.D., YUKON

(DENSITY - 2.7 gm/cc)

GRAVITY SURVEY
CONTOURS OF BOUGUER GRAVITY
(IN MILLI - GALS)

SCALE 1" = 400 FEET

MAP No. W-200-2
TO ACCOMPANY A REPORT BY
PETER E. WALCOTT, P.Eng. DATED NOV-1976

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