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94c/3W

A GEOLOGICAL AND GEOPHYSICAL REPORT

ON

THE BET CLAIM

6 MILES WEST OF USLIKA LAKE

OMINECA MINING DIVISION

MINERAL CLAIM MAP 94-C/3W

LATITUDE: 56° 04'

LONGITUDE: 125° 22'

BY

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FIELD WORK:- 23 October 1974 - 26 October 1974

REPORT:- NOVEMBER, 1974

TABLE OF CONTENTS

1. INTRODUCTION:

A prospecting program in 1972 relocated mineralization on a hill formerly covered by the Belly group of claims. The Bet #1, a full size claim, was located over the most favourable mineralization.

This report describes the work completed on the Bet #1, discusses the results and presents conclusions and recommendations. The survey data is presented on a geological map and a geophysical map for magnetometer results, at scales of 1" = 100'.

2. PROPERTY AND OWNERSHIP:

The Bet #1 mineral claim was located by A. Gerun on the 24th day of November, 1972 and recorded on the 28th of November under Record No. 119418.

The Bet #1 is owned by Mr. A. Gerun of #258 - 2nd Avenue, Nelson, B.C.

3. LOCATION AND ACCESS:

The Bet #1 claim is located 6 miles west of Uslika Lake at 56° 04' North latitude and 125° 22' West longitude.

Access to the property is by road to the Osilinka River bridge and then by helicopter 6 miles. A crawler tractor

tail formerly connected the property with the road but since the early work it has become impassable due to windfalls and rock slides.

4. PHYSIOGRAPHY:

The Bet claim is located at the top of a high hill at the 5,500' elevation. Little or no vegetation occurs on the top of the hill on the east side of the claim. However, the downhill portion of the claim on the west side of the claim is heavily covered with low shrub and small evergreen trees.

Outcrop is plentiful on the high eastern portions of the claim but the western downhill portion of the claim is extensively covered by talus slide and overburden. The talus cover contains a large proportion of boulders which makes prospecting difficult. All of the outcrop has been rounded off which is likely the result of glaciation to these altitudes in the Osilinka Ranges.

5. METHOD:

A total of four days by two men were spent on the property. 9,800 feet of chain and compass lines with stations every 100 feet were established on the property to control geologic mapping and magnetometer reading locations. All of the existing trenches and outcrops were geologically mapped. A magnetometer survey was conducted over the grid at 100' spacings. Some of the existing trenches were cleaned out and re-mapped.

6. GEOLOGY:

a. Regional

The Bet claim covers a portion of the series of Takla volcanic rocks which border (½ to the west) the Hogem Batholith. The contact between the batholith and volcanics strikes almost north-south in this area. The contact angle between volcanics and batholith is not known. The volcanics on the Bet claim outcrop some 1500' vertically above the nearest outcrops of the batholith to the west.

The batholith is composed of dioritic compositions near the contact with the volcanics. Most volcanics grade laterally into the batholith and the contact zone is quite wide. (200' wide).

The Takla series of volcanics which underlie the Bet claim is composed of grey, green and black porphyritic and non-porphyritic andesitic and basaltic lavas. Many sedimentary rocks not of volcanic origin include argillite, greywacke and chert, make up sections within the Takla Formation.

b. Local Geology - Bet #1

The Takla volcanic series which underlie the Bet claim have a general north-south strike and near vertical dip. The north-south strike of the volcanics generally parallels the batholith contact to the west.

Alteration zones containing mineralization were located on the property (lettered A B C D E F G H - Map #1). Zones A B C D E F & H are parallel to the strike of the volcanics. Zone "G" strikes N40°W and cuts the strike of the volcanics.

The alteration zones could have resulted from faulting within the volcanics, however, evidence to support this hypothesis is not evident. No displacement has been observed on the "G" zone and therefore this zone is classified as tensional fracture. Individual descriptions of each zone is given in the table below.

ZONE	LENGTH	WIDTH	MINERALOGY IN ORDER OF ABUNDANCE
A	90'	15'	Chalcopyrite, calcocite, pyrite.
B	80'	2'	Chalcopyrite, pyrite, magnetite.
C	110'	7'	Chalcopyrite, pyrite.
D	130'	2'	Chalcopyrite, pyrite.
E	120'	1'	Chalcopyrite, pyrite, malachite.
F	150'	1'	Chalcopyrite, pyrite, magnetite.
G	230'	1½'	Magnetite, chalcopyrite.
H	130'	1'	Chalcopyrite.

All of the mineralogic assemblages in the various zones have associated quartz with them.

The "G" zone which has a northwesterly strike contains predominantly magnetite mineralization.

Bulk samples were taken in three locations on the "G" zone and the results analysed: #1 2.561 oz/T Au
#2 2.945 oz/T Au
#3 3.714 oz/T Au

7. GEOPHYSICS:

A magnetometer survey was conducted over the eastern part of the property using a MF-1 magnetometer. Results are plotted on Map #2.

The results obtained for this survey were found to be uninterpretable. Two possible reasons for those results can be given. The failure to duplicate the results over the same spot could be caused by magnetic storms in the area or a loose connection in the power supply to the magnetometer.

8. CONCLUSIONS AND RECOMMENDATIONS:

The geological mapping was successful in outlining 8 zones of copper mineralization. The magnetometer survey was unsuccessful in outlining the magnetite zones because of the inability to duplicate results.

Assays from the three bulk samples taken on the "G" zone indicate good values in gold. Generally, the copper content in the zones is not worthwhile investigating any further. More work should be performed on the "G" zone to determine the vertical dimensions.

Peter F. Tegart

STATEMENT OF QUALIFICATIONS

I, PETER TEGART with home address in Vancouver, B.C. hereby certify that:

1. I am a practising geologist in the Province of British Columbia.

2. I am a graduate of geological science from the University of British Columbia.

3. I have eight years experience in prospecting and geological work in British Columbia, Ontario and the Territories.

4. I personally participated in the field work on the Bet #1 claim.

Respectfully submitted,

Peter F. Tegart

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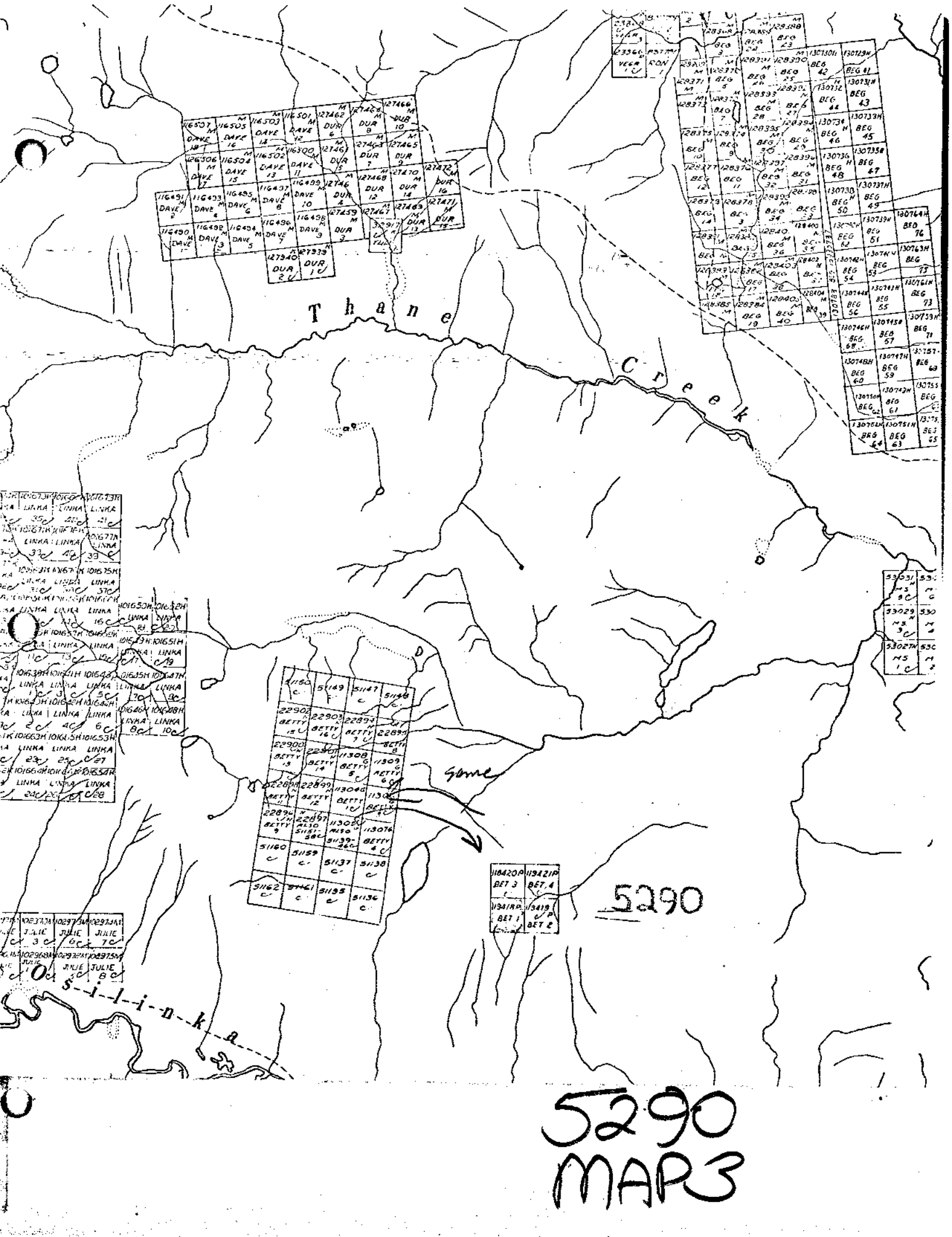
STATEMENT OF EXPENSES

The following is a breakdown of expenses incurred in carrying out work on the Bet #1 claim from

PHYSICAL SURVEY		
- salaries		
Doug Stelling 1 day @ $60/day = $60.00		
Peter Tegart 1 day @ $80/day = $80.00	$	140.00
- trenching: 150' x 2' x 1' = 11 cubic yards.		
GEOLOGICAL SURVEY		
- salaries		
Peter Tegart 3 days @ $80/day = $240.00		
Doug Stelling 1 day @ $60/day = 60.00		300.00
GEOPHYSICAL SURVEY		
- salaries		
Doug Stelling 2 days @ $60/day = $120.00		120.00
- line cutting: 9,800'		
- magnetometer rental (receipt)		67.40
- food and lodging expenses: (receipt) $24.15		
(receipt) 36.10		60.25
- fuel (receipt)		49.15
- helicopter transportation 1.6 hrs. x $140/hr.		
(receipt)		224.00
- salary for report writing		
Peter Tegart 1 day @ $80/day		80.00
- report typing (receipt)		12.00
		$1,052.90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MAP3

MAP 1

BET CLAIM

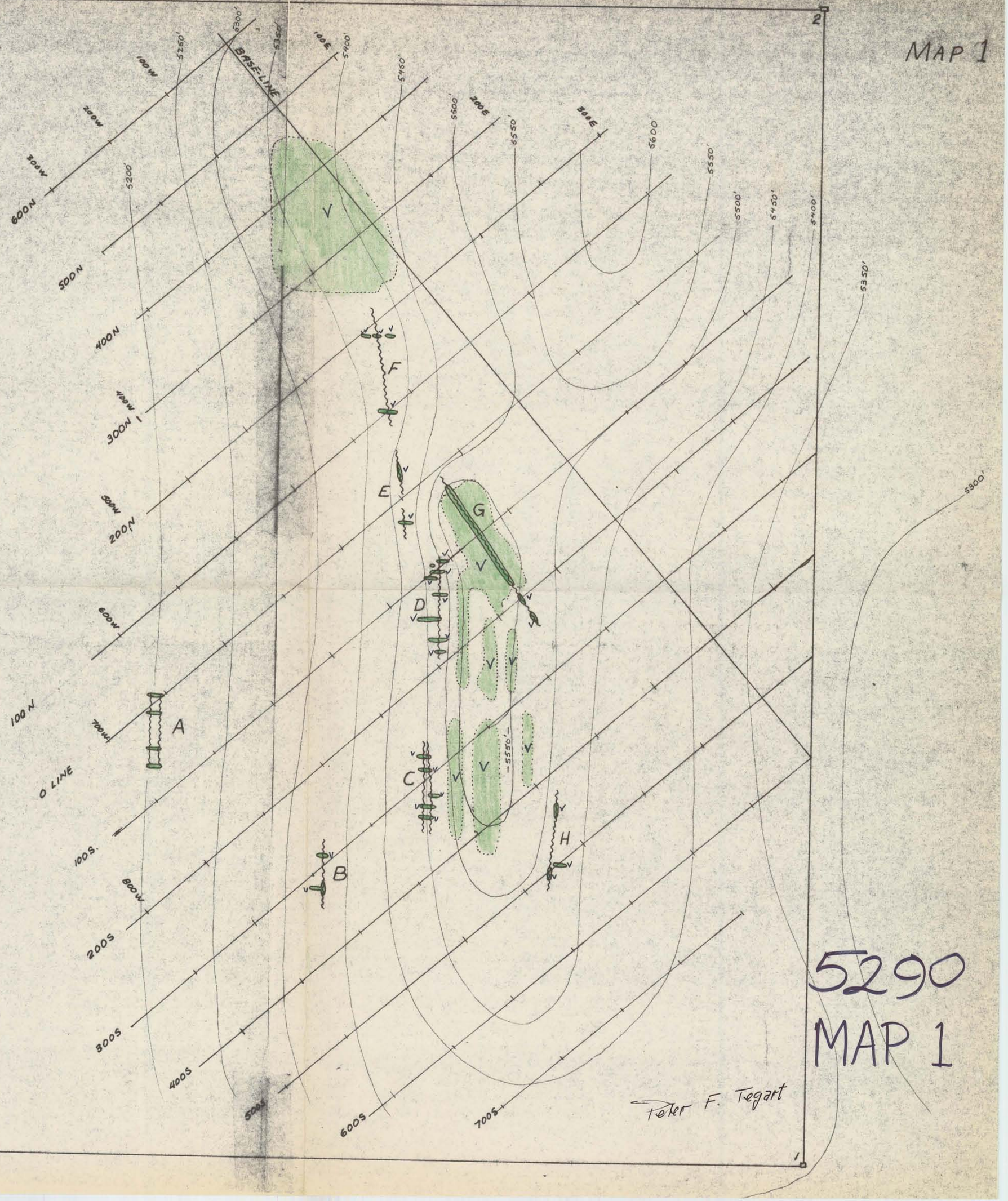
GEOLOGY & TRENCH PLAN

LEGEND

- outcrop
- trenches
- mineralized fault
- V volcanic rock outcrop

SCALE:-

100 0 100 200
feet



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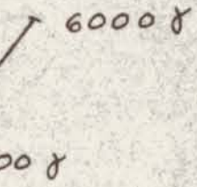
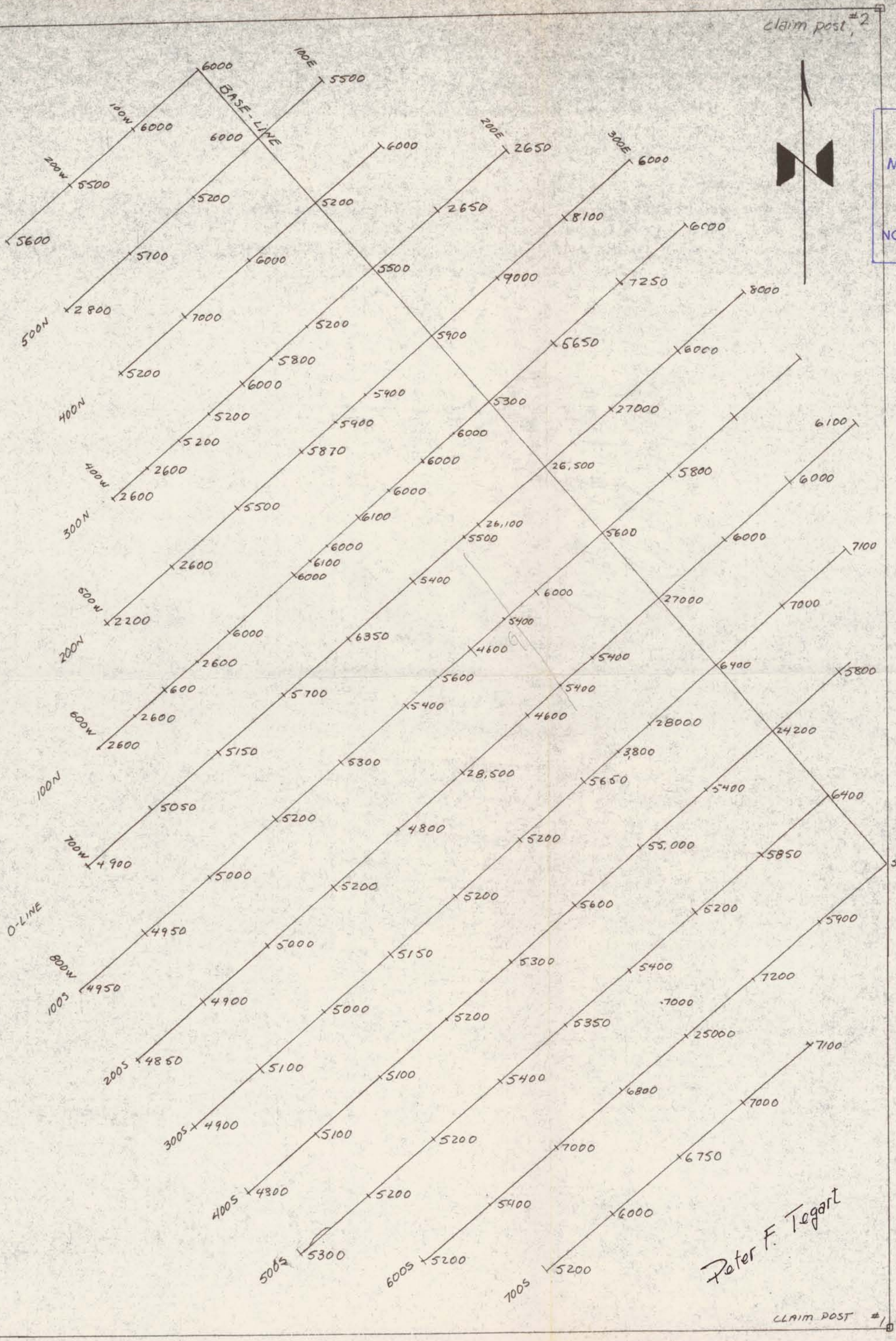
MAP 1

MAP 2

BET CLAIM MAGNETOMETER PLOT OF RESULTS



SCALE of feet
0 100' 200'



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MAP2