

Department of
Indian Affairs and
Northern Development

Resource and
Economic Development
Group
Branch

Ministère des
Affaires indiennes et
du Nord canadien

Bureau des ressources
et du développement
économique

Box 1767,
Whitehorse, Y.T.

RESTRICTED

our file/notre dossier
your file/votre dossier
date

M.I. N-252

15 October 1968

MR. G. A. McINTYRE
MINING RECORDER
WHITEHORSE, Y.T.

Dear Sir:

Engineer's Assessment Report
BEN Claim Group
Claim Sheet 105-D-15
by Ace R. Parker, P. Eng.

On the recommendation of the Resident Geologist and the Mining Inspector I hereby authorize you to accept this report as representation work under Section 53 (h) of the Yukon Quartz Mining Act to the value of Two Thousand Four Hundred and Sixty Nine Dollars and Seventy Five Cents (\$2,469.75).

Yours truly,

Original signed by
Commissioner J. Smith

James Smith,
Commissioner.

/RAM

Attach.

cc: Chief, Resource Management Division
Attention: Geological Evaluation Unit

Central Mining Records - Whitehorse ✓

Resident Geologist



THE BEN CLAIM GROUP

Ace R. Parker

ASSESSMENT REPORT

on the

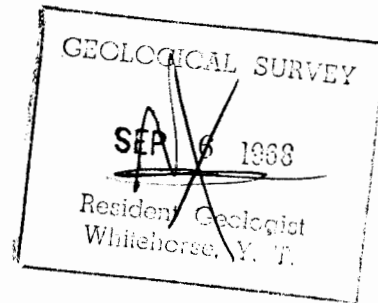
BEN CLAIM GROUP

Whitehorse Mining District

(Y.C.S. # 105 - D - 15)

Longitude: 134° 41' N

Latitude: 60° 54' N



By

ACE R. PARKER & ASSOCIATES

MINERAL INDUSTRY CONSULTANTS & CONTRACTORS

Work Performed
between

July 9, 1968 to
July 12, 1968 incl.

This report has been examined by
the Geological Survey Unit.
Approved as follows by:

[Signature]
RESIDENT GEOLOGIST

Approved as to the amount
of \$ 2469.75

[Signature]
RESIDENT

Accepted as to the work
under Section 24 of the Quartz
Mining Act.

[Signature]
COMMISSIONER

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1. Property Location Map	
2. A Reconnaissance Magnetic Geophysical Survey	
3. A Reconnaissance Geochemical Survey (Lead Plot)	

INTRODUCTION

This report outlines geochemical and geophysical work conducted to date on the BEN CLAIM GROUP situated in the Cap Creek - McClintock Lakes Area of the Whitehorse Mining District, Yukon Territory.

The work discussed in this report was conducted by the management and staff of Ace R. Parker & Associates, Mineral Industry Consultants & Contractors, Whitehorse, Yukon at the request of Mr. Jack E. Smith, on behalf of Esensee Explorations, current owners of the property.

The geochemical and geophysical work is summarized in this report and is presented as assessment work in compliance with the Yukon Quartz Mining Act.

THE BEN CLAIM GROUP

Ace R. Parker

SUMMARY

This report includes the methods, results and costs of a preliminary geochemical and geophysical survey conducted during July 1968 on the BEN CLAIM GROUP situated near McClintock Lakes, N-NE of Whitehorse, Yukon.

Two & seven-tenths (2.7) line miles of picket lines (see attached maps) spaced at varying intervals provided control for the surveys discussed herein. "Readings" were taken at 50-foot intervals along the lines.

The results of the surveys are shown on the attached maps and suggest the presence of several possible precious metal-bearing fissure veins developed in andesitic volcanic rocks.

Additional geophysical surveys in conjunction with bulldozer trenching and rock sampling are recommended to assess the potential of the property.

THE BEN CLAIM GROUP

Ace R. Parker

PROPERTY AND OWNERSHIP

The property consists of twenty-two (22) contiguous and granted mineral claims which are recorded in the Mining Recorder's Office of the Whitehorse Mining District at Whitehorse, Yukon. These claims cover approximately 1100 acres of crown land and are further described as follows:

<u>CLAIM NAME</u>	<u>GRANT NCS.</u>	<u>EXPIRY DATE</u>	<u>REGISTERED OWNER</u>
Ben 1 to Ben 4 incl.	Y 20395 to Y 20398 incl.	27 July 1968.	Jack E. Smith
Ben 5 & Ben 6	Y 21026 & Y 21027	29 Sept. 1968	Jack E. Smith
Ben 7 to Ben 14 inc.	Y 24902 to Y 24909 incl.	31 May 1969	Jack Christofferson
Ben 15 to Ben 22 incl.	Y 24910 to Y 24917 incl.	31 May 1969	J. Vanderbos

No mining or milling plant exists on the property and no organized mining company has ever worked on the claims. Also, to the best of my knowledge and belief no liens are registered against the property.

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THE BEN CLAIM GROUP

Ace R. Parker

LOCATION & ACCESS

The BEN CLAIM GROUP ($60^{\circ}54'N$, $134^{\circ}41'W$) is situated above timberline along a western tributary of McClintock Lakes and approximately 17 air miles north-east of Whitehorse, Yukon and 25 air miles north of the Alaska Highway at Milepost 890.

Currently, access to the property is by foot from the Alaska Highway or McClintock Lakes or helicopter from Whitehorse, Yukon.

Whitehorse, Yukon is served by the Alaska Highway, scheduled aircraft, and the White Pass & Yukon Route narrow gauge railroad which has deep-sea docking facilities at Skagway, Alaska, 110 miles by rail south of Whitehorse, Yukon.

DISCUSSION OF THE SURVEYS

PURPOSE: The purpose of the surveys included herein was to provide preliminary exploration of the BEN CLAIM GROUP.

Geomorphic Conditions:

The property covers a block of glaciated upland topography on the western margin of the Yukon Plateau Province.

The property lies essentially above timberline between elevations of 4,500 and 5,500 feet. Vegetation consists of only minor "buck" brush and the odd "patch" of stunted Yukon white spruce.

Although Alpine glaciation characterized by U-shaped valleys and cirques is everywhere present, overburden is generally quite shallow and solifluction is generally absent.

Control of the Surveys:

A grid picketed with "4 foot" lath was used to control the surveys. The said grid has a baseline 2,400 feet long with 12,000 feet of crosslines as shown on the

DISCUSSION OF THE SURVEYS (continued)

Control of the Surveys: (continued)

attached maps. Pickets were spaced at 50 foot intervals along the lines and served as stations for geochemical sampling and geophysical readings.

Interpretation of Results:

The attached maps show the results of the surveys. Soil samples were analyzed for both lead and arsenic but unfortunately due to the Federal Mail strike, results of the arsenic analyses is not available at this time. Nevertheless verification of this work is shown under the "Costs Section" of this report.

The surveys suggest the presence of two possible ore-bearing fissure veins within the survey area as well as several other significant structures.

CONCLUSIONS & RECOMMENDATIONS

Possible mineralization in the survey area may be expected along conductive shear zones and lineaments such as those indicated by the electromagnetic survey and shown on the attached maps.

The geochemical lead plot provides only a very rough guide for exploration due to soil development and migration.

The geochemical arsenic plot is expected to provide the best geochemical exploration guide due to the relatively high arsenic content of the known mineralized zones. Unfortunately this information is not available at this time due to the Federal mail strike.

Although it is impossible to make a reliable interpretation of the surveys until more is known of the local geology of the property it is recommended that additional geophysical and geochemical surveys be conducted on the property in conjunction with bulldozer trenching to extend and/or define the known mineralized zones.

THE BEN CLAIM GROUP

Ace R. Parker

PERSONNEL EMPLOYED ON THE PROJECT

<u>NAME</u>	<u>OCCUPATION</u>	<u>FIXED ADDRESS</u>
A. R. Parker	Consulting Engineer	Whitehorse, Yukon.
R. Savidge	Exploration Technician	Whitehorse, Yukon.
G. Gordon	Exploration Technician	Whitehorse, Yukon.
B. Peterson	Draftsman	Whitehorse, Yukon.

COSTS

The direct costs of the surveys are outlined as follows:

Contracted Exploration:

Sicket Lines & Stations - 2.7 line miles @ \$75/lm	\$202.50
Mag Survey - 2.7 line miles @ \$75/lm	<u>202.50</u>
RF Survey - 2.7 line miles @ \$150/lm	405.00
Geochemical Surveys (297 samples)	
Sampling, supplies	297.00
Lead Assaying	371.25
Arsenic Assaying	301.00

Support Facilities:

Engineering, Supervision & Reports	350.00
Subsistence & Equipment Rental	<u>75.00</u>

SUB TOTAL \$2,204.25

Transportation, per J.E. Smith - Helicopter 265.50

FINAL TOTAL \$2,469.75

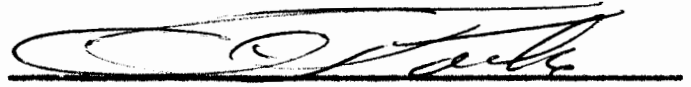
THE BEN CLAIM GROUP

Ace R. Parker

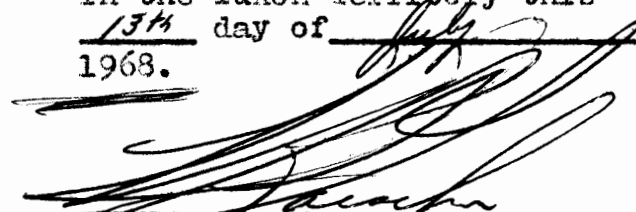
AFFIDAVIT OF COSTS

I Ace R. Parker, of the City of Whitehorse, Yukon Territory,
do certify that:

1. That I am a Consulting Engineer practicing under the name and style of ACE R. PARKER & ASSOCIATES and have personal knowledge of the matters described herein.
2. That to the best of my knowledge and belief, the costs represented in this report are a true statement of direct expenditures for Assessment Work performed on the BEN CLAIM GROUP as outlined by this report.


Ace R. Parker, P. Eng.

Sworn before me at Whitehorse
in the Yukon Territory this
13th day of July
1968.


A Commissioner for Taking Oaths
in and for the Yukon Territory.

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THE BEN CLAIM GROUP

Ace R. Parker

C E R T I F I C A T E

I, Ace R. Parker, of the City of Whitehorse, Yukon Territory,
do certify that:

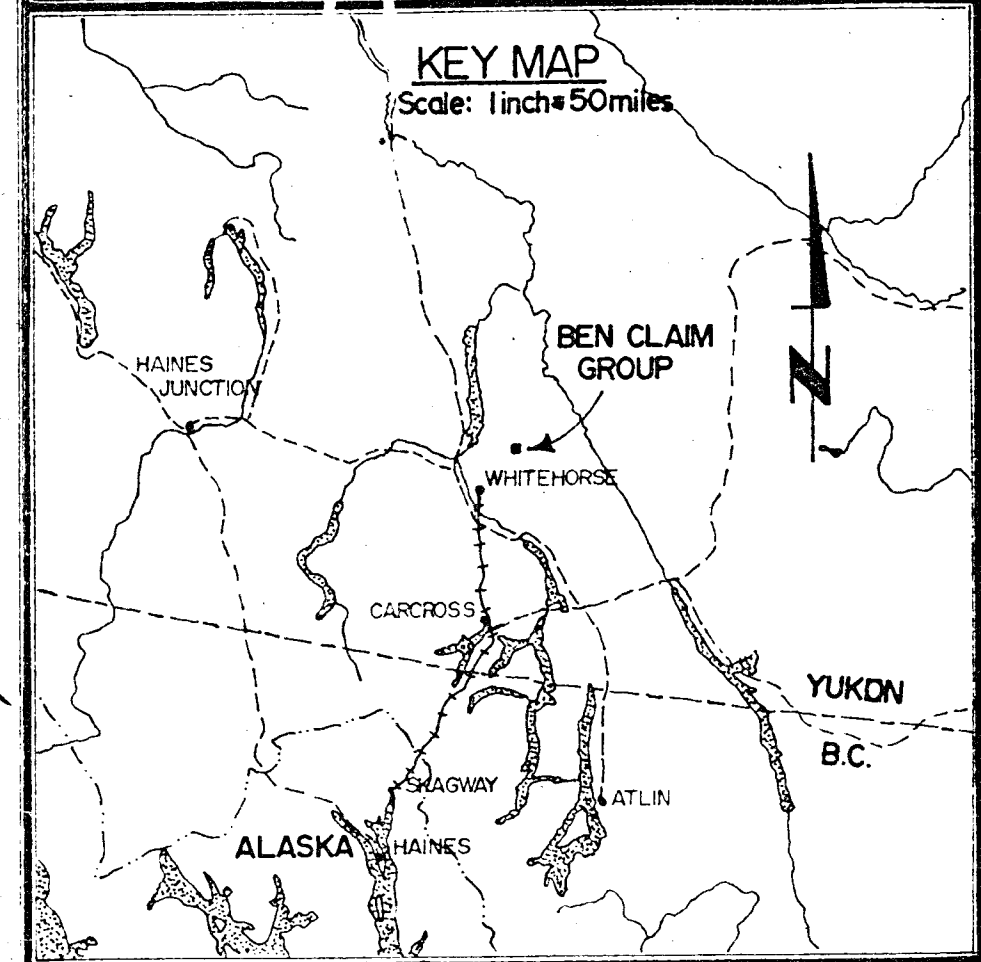
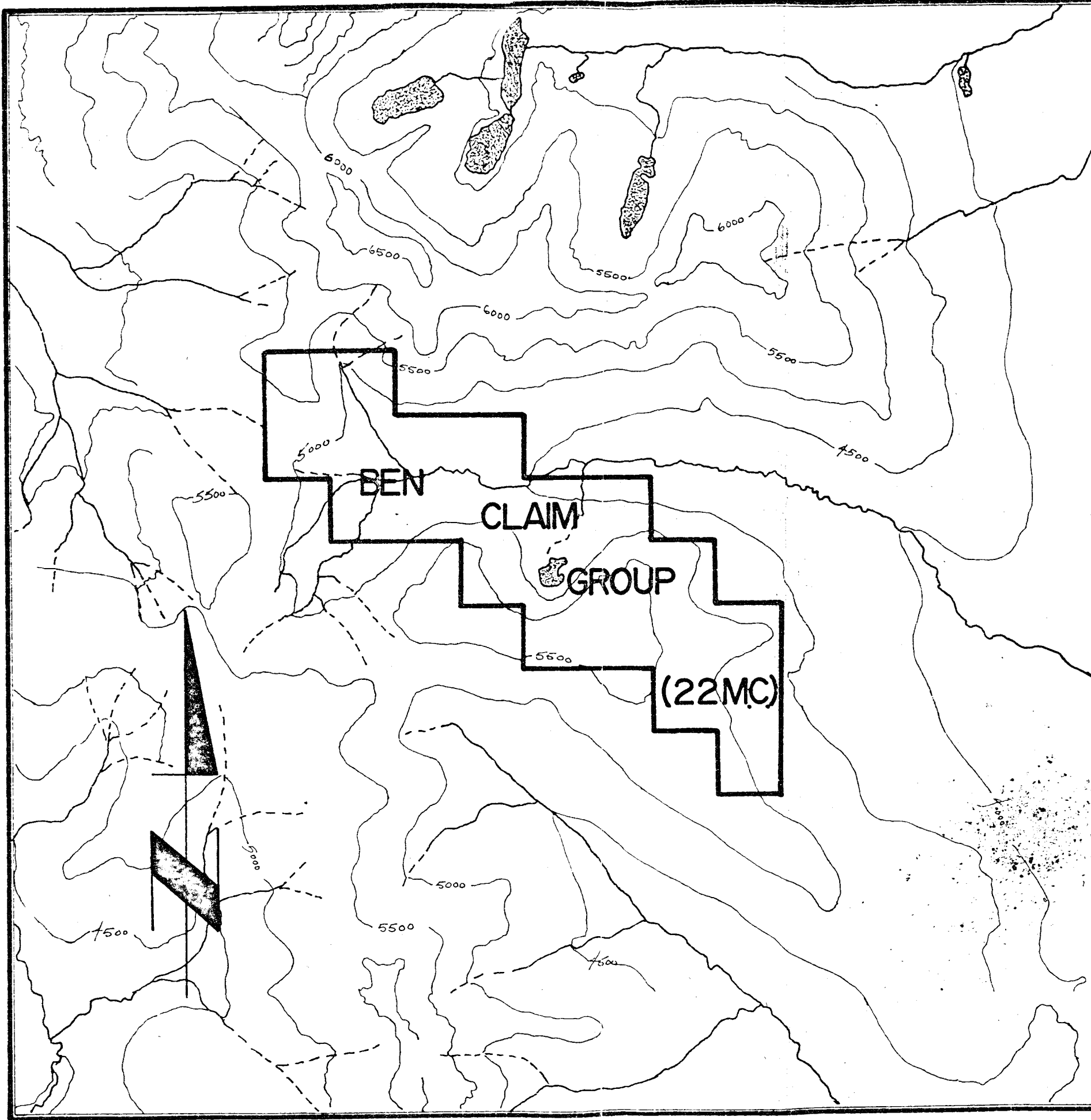
- 1 - I am a Consulting Engineer practicing under the name and style of ACE R. PARKER & ASSOCIATES, with office at 3rd Avenue and Elliott Street, Whitehorse, Y.T.
- 2 - I am a Bachelor of Science in Mining Engineering from the College of Earth Sciences and Mineral Industry, University of Alaska, College, Alaska - 1962. I hold a diploma in Mineralogy from the Mineral Science Institute, Chicago, Illinois - 1959.
- 3 - I am a member in good standing of the Association of Professional Engineers of Yukon, the Association of Professional Engineers of British Columbia, and the Association of Professional Engineers of Alberta. I have been a member of the American Institute of Mining, Metallurgical, and Petroleum Engineers since 1954.
- 4 - I have formally practiced my profession for the past five years after working in the Mineral Industry since 1953.
- 5 - I have no direct or indirect interest in the BEN CLAIM GROUP described in the accompanying report or in any securities relating to the said property.
- 6 - This certificate is part of the attached Geophysical Assessment Report on the BEN CLAIM GROUP dated July 12, 1968. The attached property map shows the location of the BEN CLAIM GROUP of mineral claims on which the included work was performed.
- 7 - This report is based on a comprehensive personal study of documents, maps, and reports relating to the surveys described herein, including reports of the Geological Survey of Canada. The work outlined by this report was conducted under my supervision.

Whitehorse, Yukon
July 12, 1968.


Ace R. Parker, P. Eng.

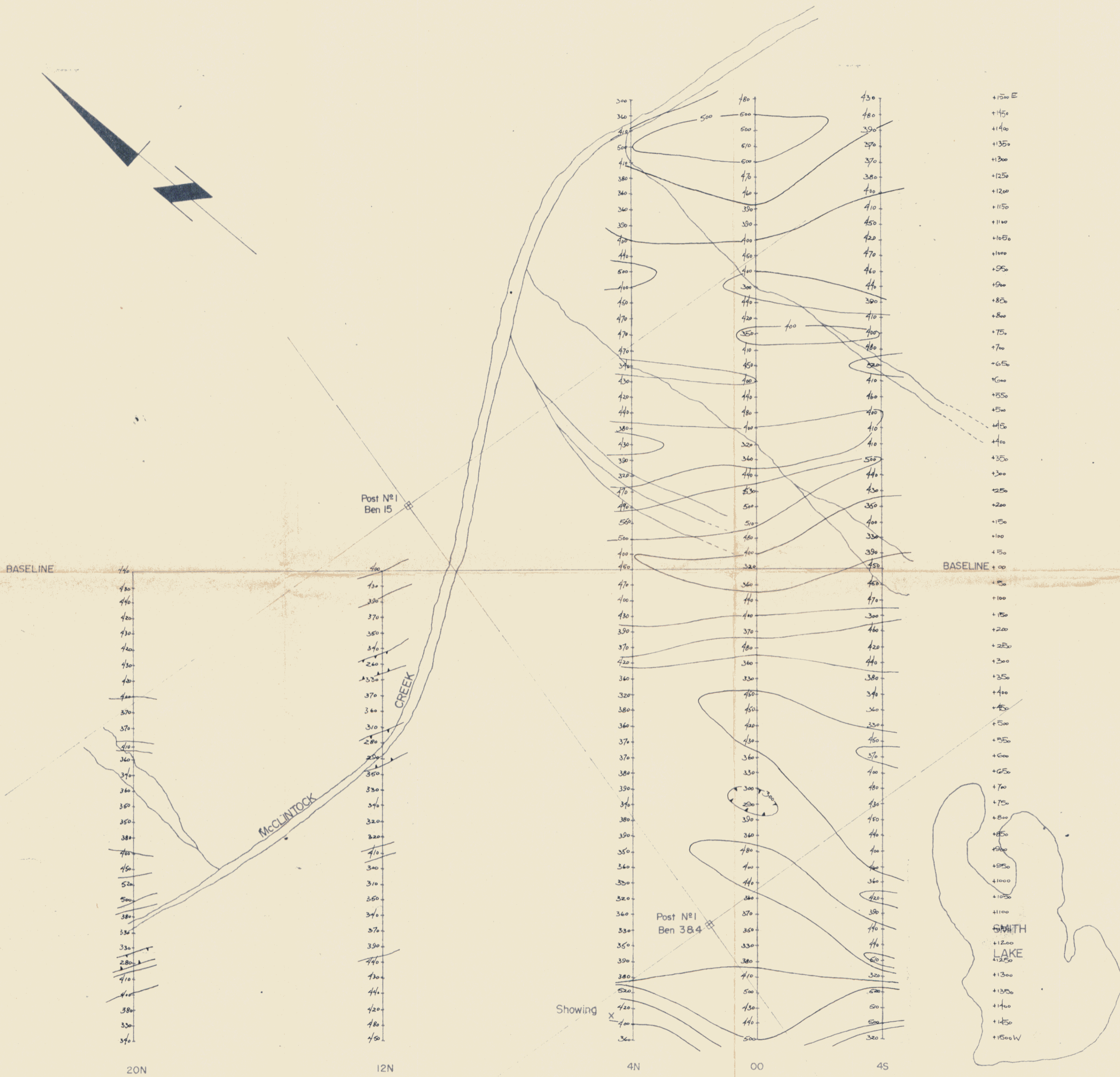
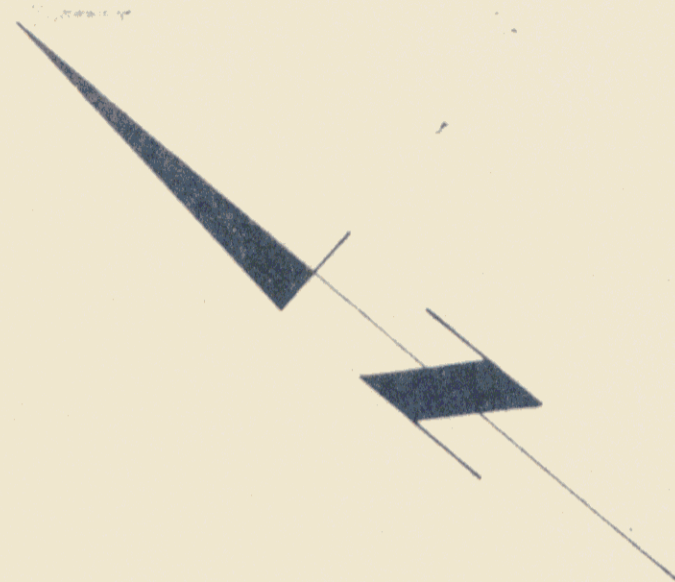
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PROPERTY LOCATION MAP
of the
BEN CLAIM GROUP
ESANSEE EXPLORATION LTD.
Whitehorse Mining District
Whitehorse, Yukon Territory



ACE R PARKER & ASSOCIATES Mineral Industry Consultants & Contractors	
Location map taken from YCS.105-D15 SEAL	
DATE:	
SCALE:	1/2" = 1 Mile
DRAWN BY:	<i>Roy E. Smith</i>
DWG. No	1





GEOPHYSICAL COMMENTS

- INSTRUMENT: SHARPE MF-1
- CONTOUR INTERVAL: 100 Gammas
- MAGNETIC DEPRESSION



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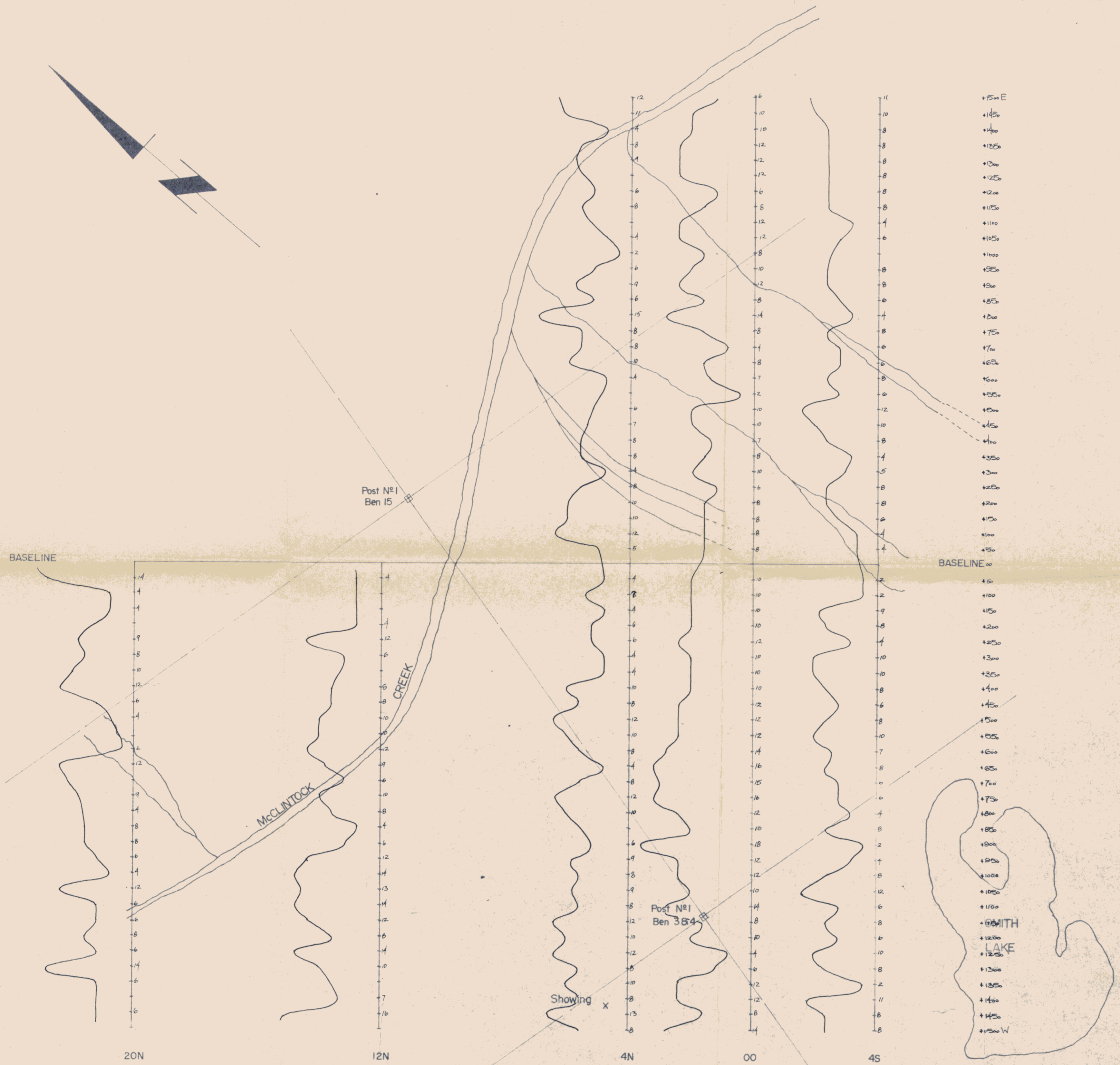
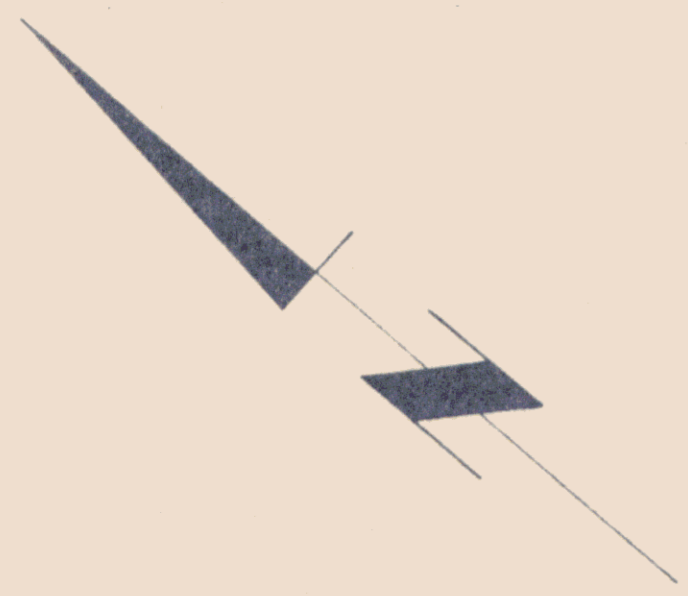
ESANSEE EXPLORATION
**RECONNAISSANCE MAG.
 GEOPHYSICAL SURVEY**
 of the
BEN GROUP
 WHITEHORSE MINING DISTRICT

ACE R. PARKER & ASSOCIATES
 Mineral Industry Consultants & Contractors

DATE:	15 JULY, 1968	SEAL
SCALE:	1" = 200'	
DRAWN BY:	JAW [Signature]	
DWG N#:		

1500
 1200
 1000
 800
 600
 400
 200
 100
 0
 -100
 -200
 -300
 -400
 -500

812



GEOCHEMICAL COMMENTS

- ALL SAMPLES IN PARTS PER MILLION
- SAMPLES TAKEN FROM "C" SOIL HORIZON
- ANALYSIS BY HOT ACID EXTRACTION AND ATOMIC ABSORPTION TECHNIQUE
- AVERAGE SAMPLE DEPTH 12"
- DUE TO THE NATURE OF THE SURVEY ALL RESULTS ARE PLOTTED IN PROFILE.
- SCALE: 1" = 10 PPM.

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**ESANSEE EXPLORATION
RECONNAISSANCE
GEOCHEMICAL SURVEY
(LEAD PLOT)
of the
BEN GROUP
WHITEHORSE MINING DISTRICT**

ACE R. PARKER & ASSOCIATES
Mineral Industry Consultants & Contractors

DATE:	15 JULY, 1968	SEAL
SCALE:	1" = 200'	
DRAWN BY:	<i>Paul Peterson</i>	
DWG. No.:		

WHITEHORSE ASSAY OFFICE
P. O. BOX 346
WHITEHORSE, YUKON

Aug. 5-68

Mining Recorder
Whitehorse, Y.T.

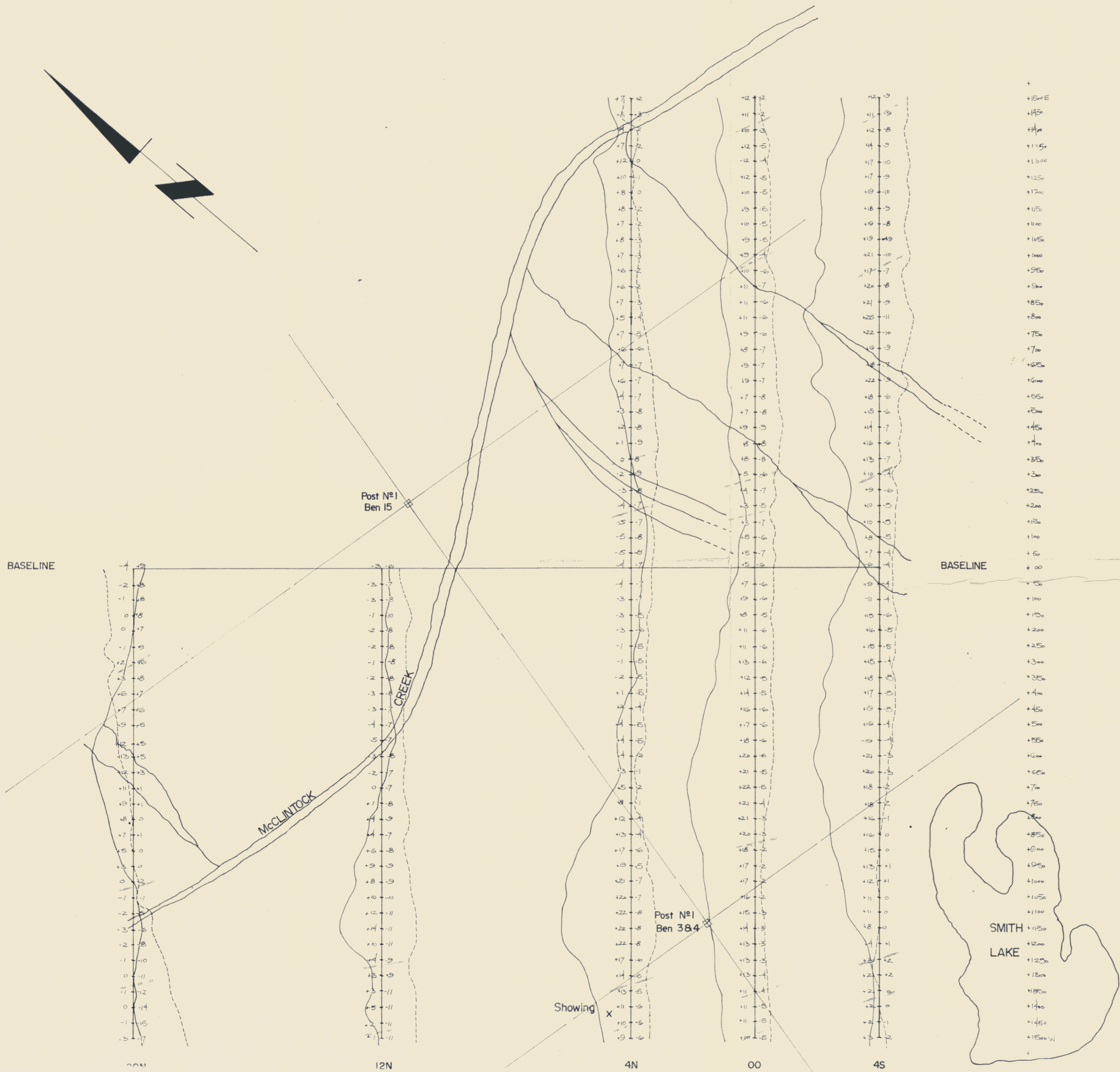
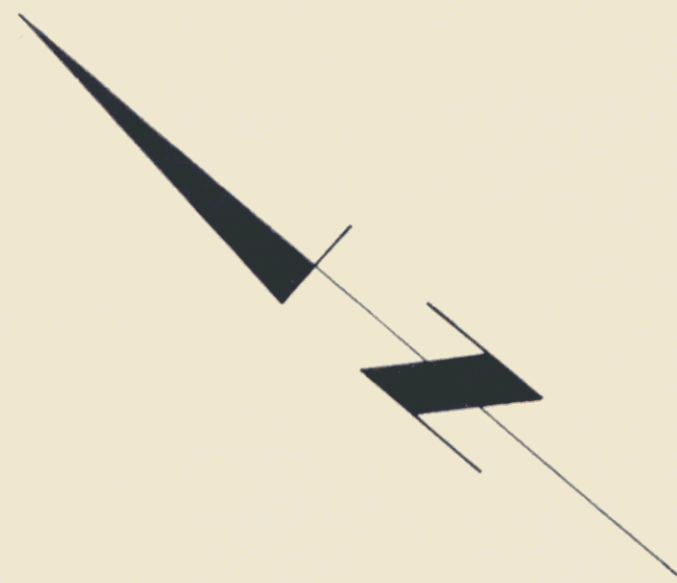
Dear Sir:

This is to certify that J. Smith of Esanssee Explorations has submitted 297 soil samples for Geo-Chem for arsenic, which were sent to Coast Eldridge. Lot # A-55-297 (Ben group-Esanssee Explorations).

Due to the Postal stike, results have not been received. The charges covering these samples amounts to the sum of \$301.00.

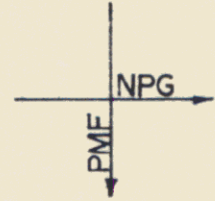
Yours truly

Geo. Spalding



GEOPHYSICAL COMMENTS

- INSTRUMENT : RONKA E.M. 16
- INPHASE (readings left of line) ———
- QUADRATURE (readings right of line) - - - - -
- INDICATED CONDUCTOR ZONE - - - - -
- INFERRED CONDUCTOR ZONE - - - - -
- RESULTS PLOTTED ON SCALE: 1" = 20'



SURVEY ORIENTATION

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ESANSEE EXPLORATION
RECONNAISSANCE E.M.
GEOPHYSICAL SURVEY
 of the
BEN GROUP

WITEHORSE MINING DISTRICT
ACE R. PARKER & ASSOCIATES
 Mineral Industry Consultants & Contractors

DATE:	15 JULY, 1968	SEAL
SCALE:	1" = 200'	
DRAWN BY:	Paul Peterson	
DWG. N°:		

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