

104 K / 16 E

Report of Assessment Work done on Ace Claims

1-14, Atlin Mining Division, B.C.

Location: Long $132^{\circ}00W$. Lat. $58^{\circ}00W$ (Coordinates of S.E. Quad) In the Menatatuline Range, approximately 12 miles SE of Victoria Lake and 7 miles N of the Inklin River. $58^{\circ}132^{\circ}NE$

Nature of Report: Geological mapping, with magnetometer Survey along Baseline.

Name of Author: Clive Aspinall. B.Sc.

Period of Work: July 11- September 11, 1966

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INTRODUCTION

General Statment

Ace claims 1-14 are situated in the Menat~~at~~^{at}ine Range, 77 miles S.E. of Atlin B.C. The geographic location is Long. $132^{\circ} 07'W$, Lat. $58^{\circ} 50'N$.

These claims cover a Chrysotile Fibre zone, which was discovered and staked by John Kerr, of Vancouver for Canadian Johns Manville ^{of} 1963, July and August.

Acknowledgements

Ace 1-14 were mapped by Carl Stadler and the writer between July 11 and September 11, 1966.

Timber and Water

The claims are situated between elevations 4000' and 6000', and are above the tree line. Timber occurs below the 4000' elevation.

One creek runs through the property. Two small lakes are adjacent to the property.

Access

Access to the property is made by fix wing aircraft to Victoria Lake, and the remaining part of the journey by helicopter.

GENERAL GEOLOGY

Table of Formations

<u>Era</u>	<u>Period</u>	<u>Lithology</u>
	Recent	Alluvium, Talus, minor glacial deposits.
Cenozoic	Pleistocene	Glacial deposits
Paleozoic	Pensylvanian and Permian	Peridotite and dunite Serpentinization Acidic dikes- Diabasic dikes (Rodingites)

Rock Types

Rock types vary from Dunite through to Peridotite to Serpentinite and Serpentine. Acidic and basic dykes cut through the Fibre zone and adjacent areas.

Pleistocene and Recent

Cirques, glacial erratics, and moraine deposits indicate to a Continental and Alpine glaciation. Glacial Straie suggests an E-W movement of the Continental ice sheet.

STRUCTURAL GEOLOGY

The Peridotite is moderate to well sheared in the zones adjacent to the Rodingites. Generally, Fiberization has

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taken place in these sheared zones.

Two sets of joints are present, one traveling NE-SW, the other NW-SE. Banding with the Peridotite is also present.

ECONOMIC GEOLOGY

Refer to maps: (yellow covers the Fibre zone)

= It was estimated that the Fibre Zone has a potential of 13 million tons of Chrysotile Ore. The fibre ranges from widths less than one sixteenth up to three quarters of an inch . The three quarter inch Fibre is very uncommon, the average length being between one eighth inch and three sixteenths of an inch. The Fibre would fall into groups 3-4-5-6 on the Canadian Johns Manville System of grading.

The tensile strength of the Fibre is strong. The quality of the Fibre ranges from moderately harsh to silky.

ASSAY RESULTS

Rock samples were collected for Assay purposes, but the Certificates did not indicate anything of value. The samples were assayed for copper, nickel , zinc, and gold.

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GEOPHYSICAL SURVEY

A magnetometer survey along the base line was made in order to aid in the determination if the fibre zones on the property are joined below the surface, and also if they were continuous.

CONCLUSION

It was estimated from surface work that the fibre zone has a potential of 13 million tons of ore. Diamond drilling could prove additional tonnages. The fibre lengths average between 1/8" - 3/16", giving groups 3-4-5-6-7. The over all percentage averaged 20/o fibre in the Ore Zone. It is the opinion of this writer that this fibre deposite would not prove economical to mine at the present time.

Relationship of the Geology to the Claims. (Claims are marked on two main maps in folder).

The claims are situated in an Ultrabasic complex and consequently the rocks in the area are all peridotites, some of which have been serpentized and fiberized. Rodingite dikes cut through the Peridotites and are trending North West. The claims are situated in a North-South block, and extend from the North West wall of Camp Creek (Tributary to Tseta Creek) across the valley floor (which is composed of alluvial deposits) to the South East wall of the valley)

The results
of the

Period of work:

Cost:

Surveying:

C. Stadler 17 days @ 18.95	=	\$ 322.15
C. Aspinall 16 days @ 20.60	=	<u>329.60</u>
		651.75

Mapping:

C. Stadler 16 days @ 18.95	=	303.20
C. Aspinall 16 days @ 20.60	=	<u>329.60</u>
		632.80

Fibre Counting:

C. Stadler 7 days @ 18.95	=	132.65
C. Aspinall 6 days @ 20.60	=	<u>123.60</u>
		256.25

Magnetometer Survey:

C. Stadler 1 day @ 18.95	=	18.95
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Draughting:

C. Stadler 9 days @ 18.95	=	170.55
C. Aspinall 9 days @ 20.60		<u>185.40</u>
		355.95

Assay of Rock Samples	=	<u>86.00</u>
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Total Cost	=	<u>\$2001.70</u>
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Assaying done by T.S.L. Laboratories Limited, 325 Howe St
Vancouver. (Report #V-667, September 12, 1966)

Maps

- #2(1) Tseta Creek, Menatatuline Range Chrysotile Occurence.
#3 Work Sheet. (scale 1"- 200!) North and South Sheets.
- #1(2) Tseta Creek, Mentatuline Range . Fibre Zone with
representative Fibre Counts (scale 1"- 50')
- #3(3) Tseta Creek, Mentatauline Range . Chrysotile
Occurence. Fibre Counts in Ace Claim 2. (scale 1"
- 50')
- #4(4) Magnetometer Survey along Baseline.
- #6(5) *Fibre count on Ace # 5*

Clive Aspinall:

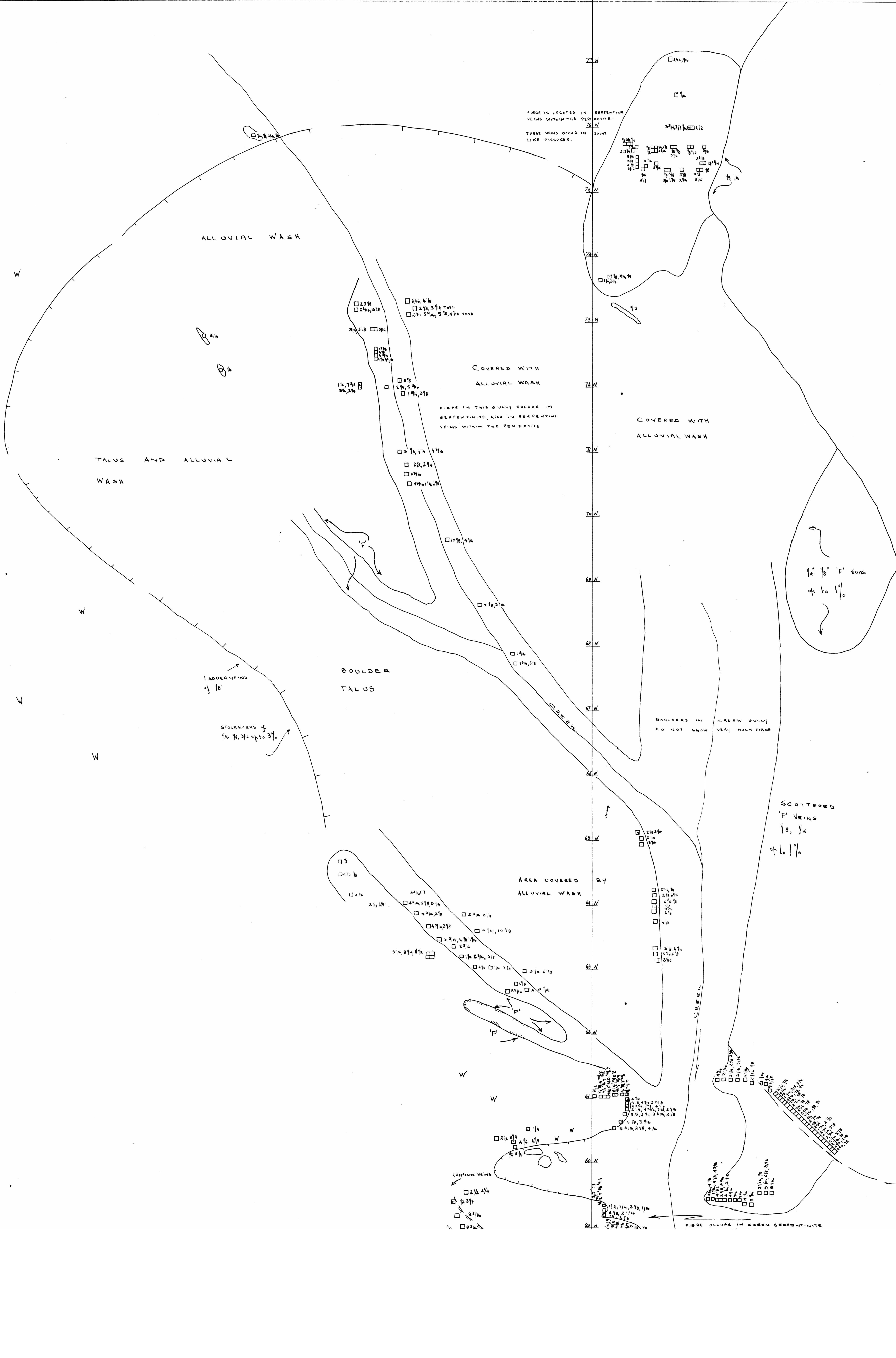
C.J.M. Exploration Agent for B.C. &
Yukon.

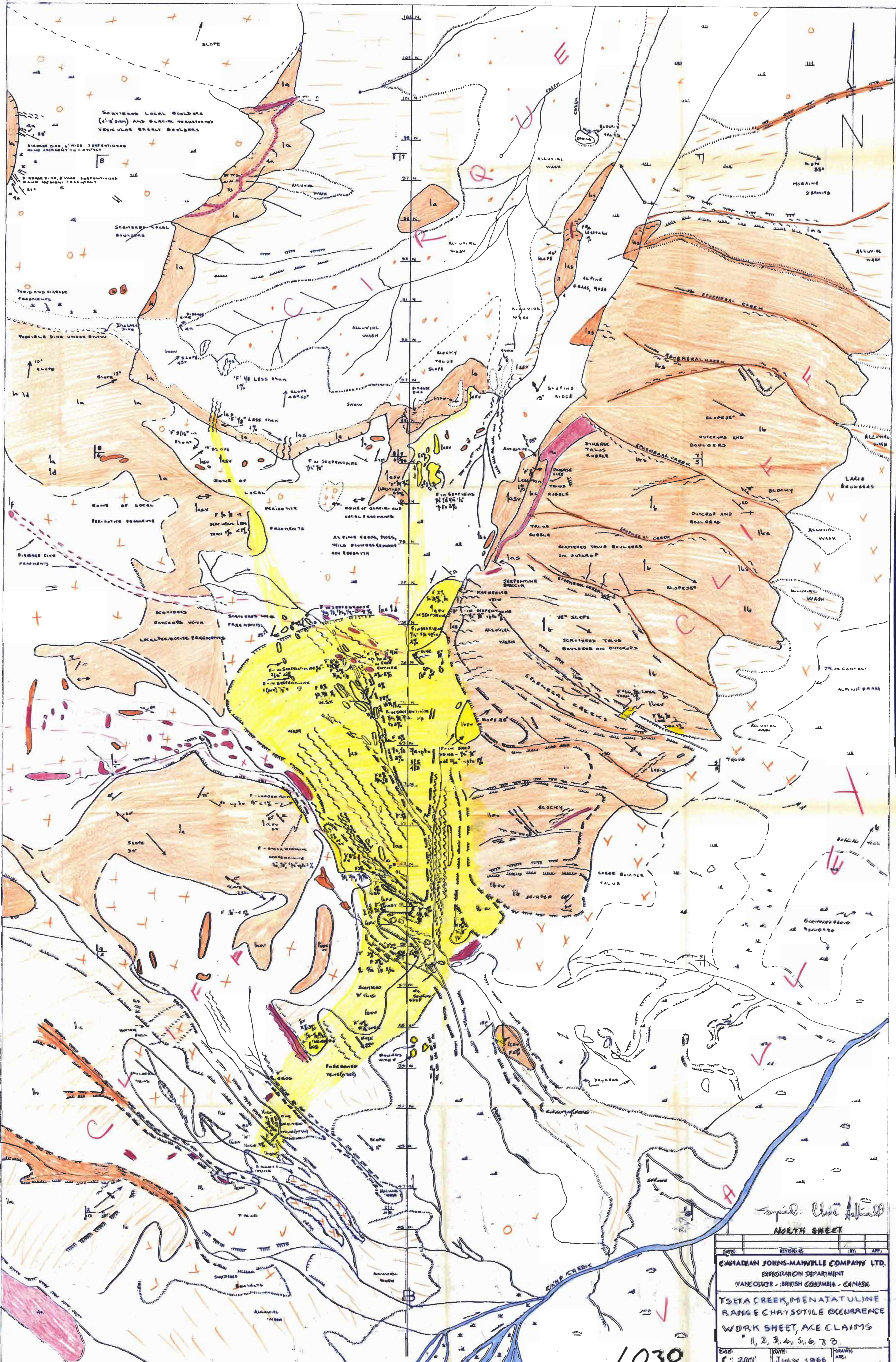
Graduate Geologist from McGill
University, Montreal, P.Q. B.sc. 1964

Experience:

1. 2 years Petroleum Exploration in
Libya, with Mobil Oil of Canada Ltd.
2. 3 months Geological prospecting for
Chibougamau Mining & Smelting,
Chibougamau, P.Q. 1961.
3. 3 Summers (total of 10 months)
Geological mapping for Dept. of
Natural Resources, Quebec, 1962, 63, 64
4. 2½ years Field & Mining Exploration
for Canadian Johns Manville Co. Ltd.
1964- June 20 ,1967

Clive Aspinall





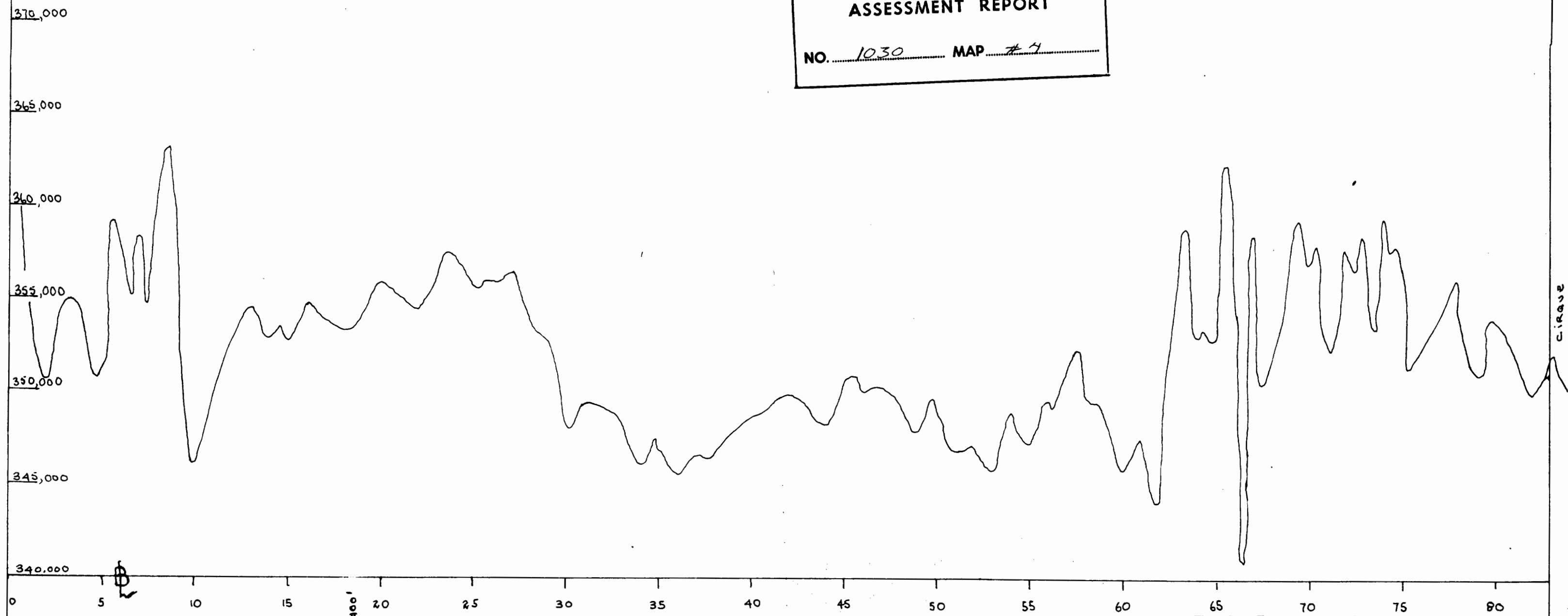
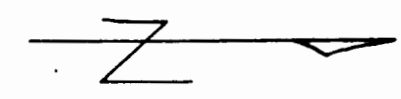
Supplied: Elsie Hafford
 NORTH SHEET

DATE	REVISION	BY	APP.
CANADIAN JOHNS-MANVILLE COMPANY LTD.			
EXPLORATION DEPARTMENT			
YANCOINER - BRITISH COLUMBIA - CANADA			
TSETA CREEK, MENA TATULINE			
RANGE CHRYSOPTILE OCCURRENCE			
WORK SHEET, ACE CLAIMS			
1, 2, 3, 4, 5, 6, 7, 8			
SCALE:	DATE:	DRAWN:	APP.
1" = 200'	JULY, 1966		

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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 1030 MAP #4



MAIN FIBRE ZONE

IN Gully Suggested: Olive Ashill

FIBRE ZONE 400'
E of

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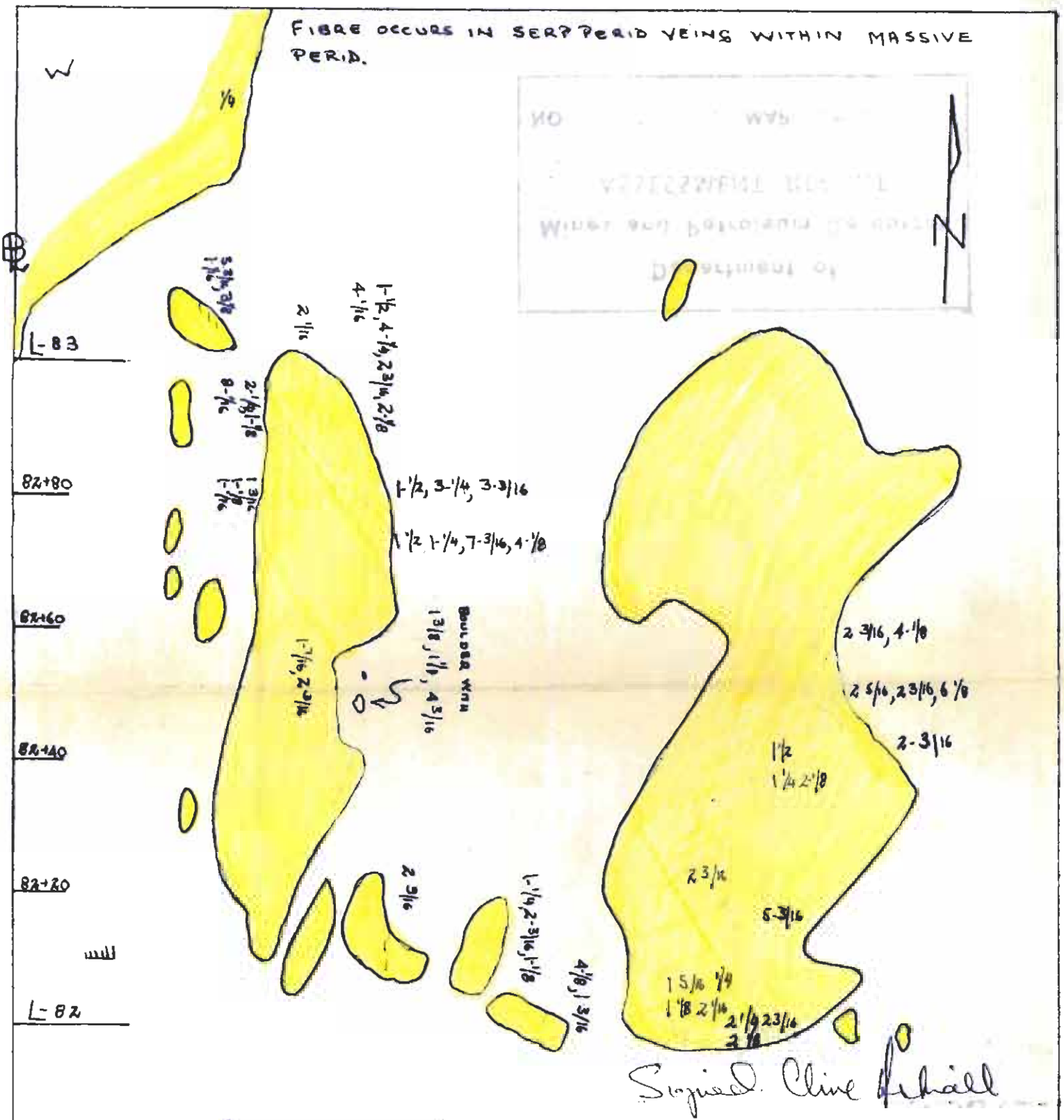
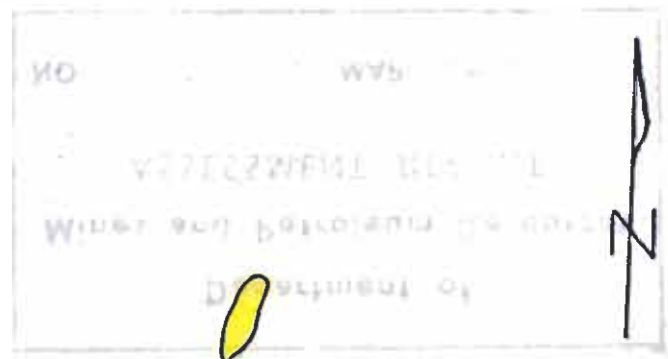
Scale: 1" : 500 gammas
1" : 500 FEET ON

CANADIAN JOHNS-MANVILLE COMPANY LTD.
EXPLORATION DEPARTMENT
VANCOUVER - BRITISH COLUMBIA - CANADA

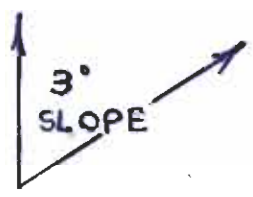
TSETACREEK, MENATATULINE RANGE
CHRYBOTILE OCCURENCE
MAGNETOMETERS SURVEY ALONG

SCALE: 1:500 DATE: OCT '66 DRAWN: APP: L.A.

FIBRE OCCURS IN SERPENTINE VEINS WITHIN MASSIVE PERID.



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ESTIMATED BURDEN 5'-10'

OVER-

CANADIAN JOHNS-MANVILLE COMPANY LTD.
EXPLORATION DEPARTMENT
VANCOUVER - BRITISH COLUMBIA - CANADA

FIBRE COUNT ON ACE # 5
(419849)
TSETA CREEK, MENATATULINE RANGE, B.C.

SCALE	DATE	DRAWN
1:20	3rd Aug 66	C.A.