

5347

WILDCAT CLAIMS

TABLE MOUNTAIN

CASSIAR M. D.

104P/4E

of

YELLOWSTONE MINES LTD.

1065 Singh St., Kamloops, B.C.

by

R. H. Seraphim, Ph.D., P.Eng.

December 18, 1974

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 5347	MAP

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shown on the accompanying plan.

RECOMMENDATION

Bulldozer trenching should be continued to expose the vein along strike in the vicinity of the trench sampled above. Also, some further trenching and sampling should be continued towards the east to determine the location of further shoots if such exist.

COSTS

Bulldozer trenching - 200 hours @ \$40/hr.	\$ 8,000.00
Geologist - supervisor	2,000.00
Transportation, communication, lodging	2,000.00
Assays, data compilation, contingencies	3,000.00
	<hr/>
TOTAL	\$15,000.00
	<hr/>

INTRODUCTION

This property was mapped along with the adjoining Table Mountain Mines during August 15 to 19, 1974. Access to the drill hole and underground data of Table Mountain Mines of Ltd. was of considerable assistance in interpreting the geology.

Province of British Columbia, this
day of VANCOUVER, B. C., A.D.

JAN 16 1975

Sub-Mining Recorder

A Commissioner for taking Affidavits within British Columbia
A Notary Public in and for the Province of British Columbia.

130°

129°

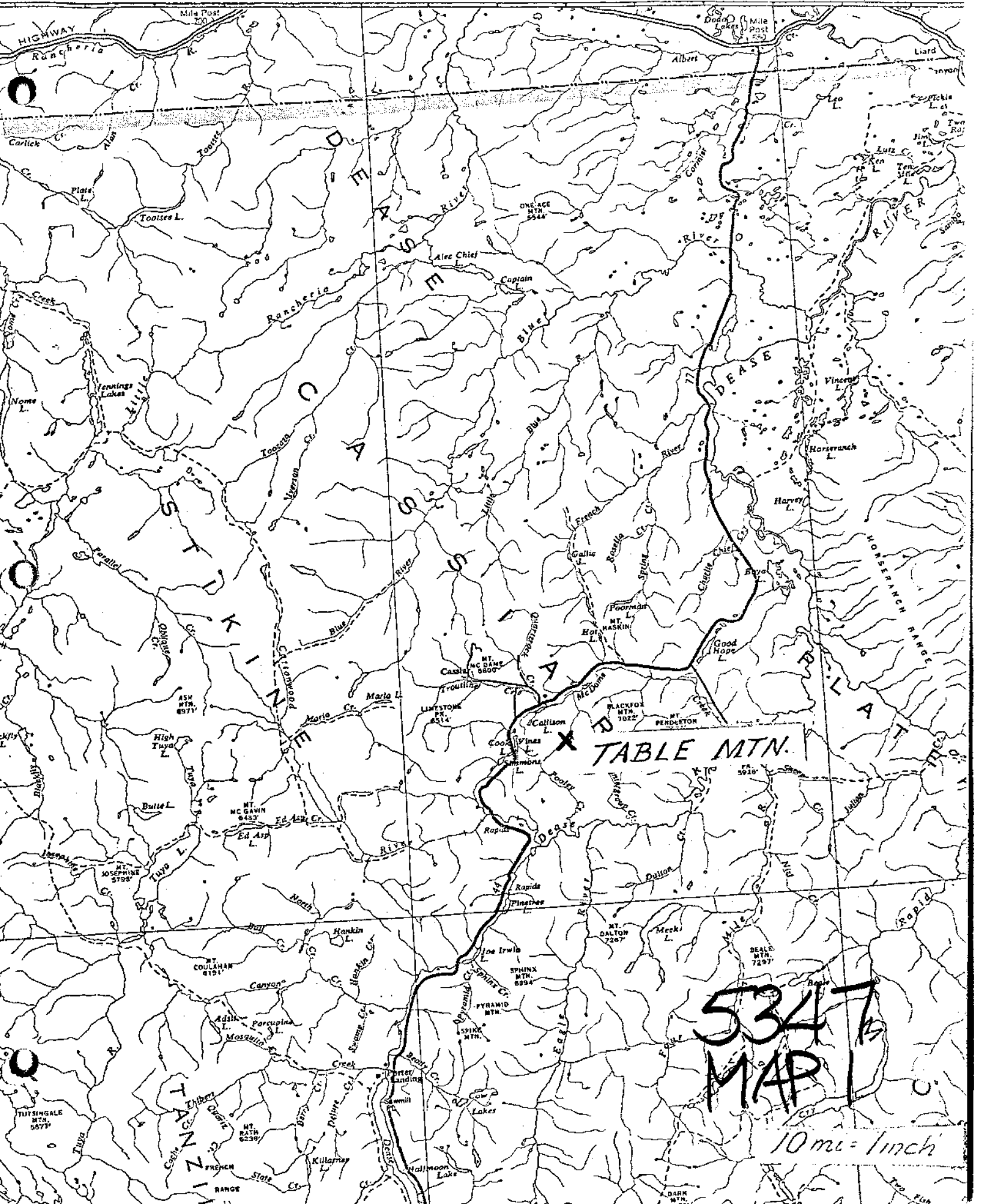
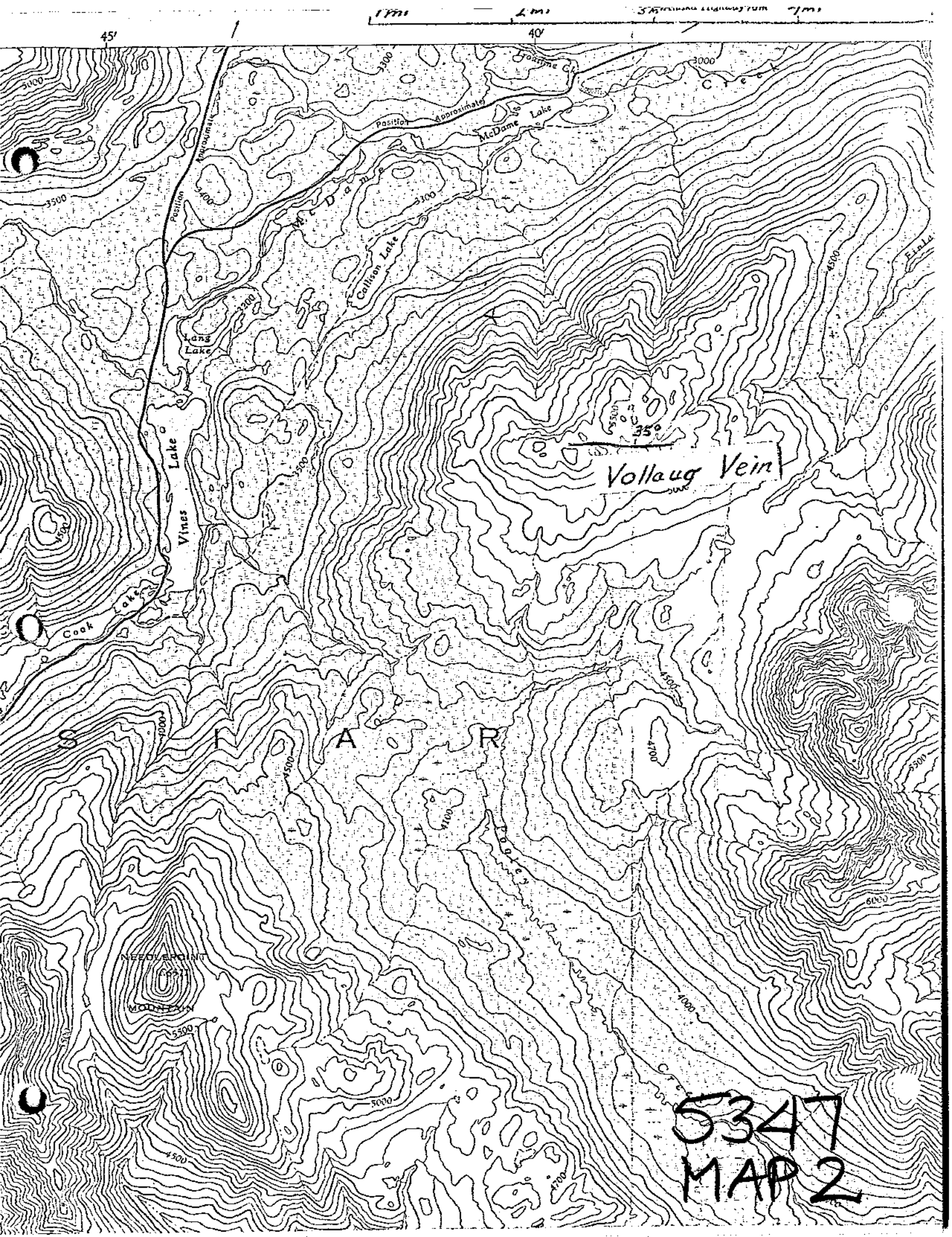


TABLE MTN.

5347
MAP I

10 mi = 1 inch



45'

1 mi

40'

1 mi

Position Approximate

McDame Lake

Callison Lake

Vines Lake

Lang Lake

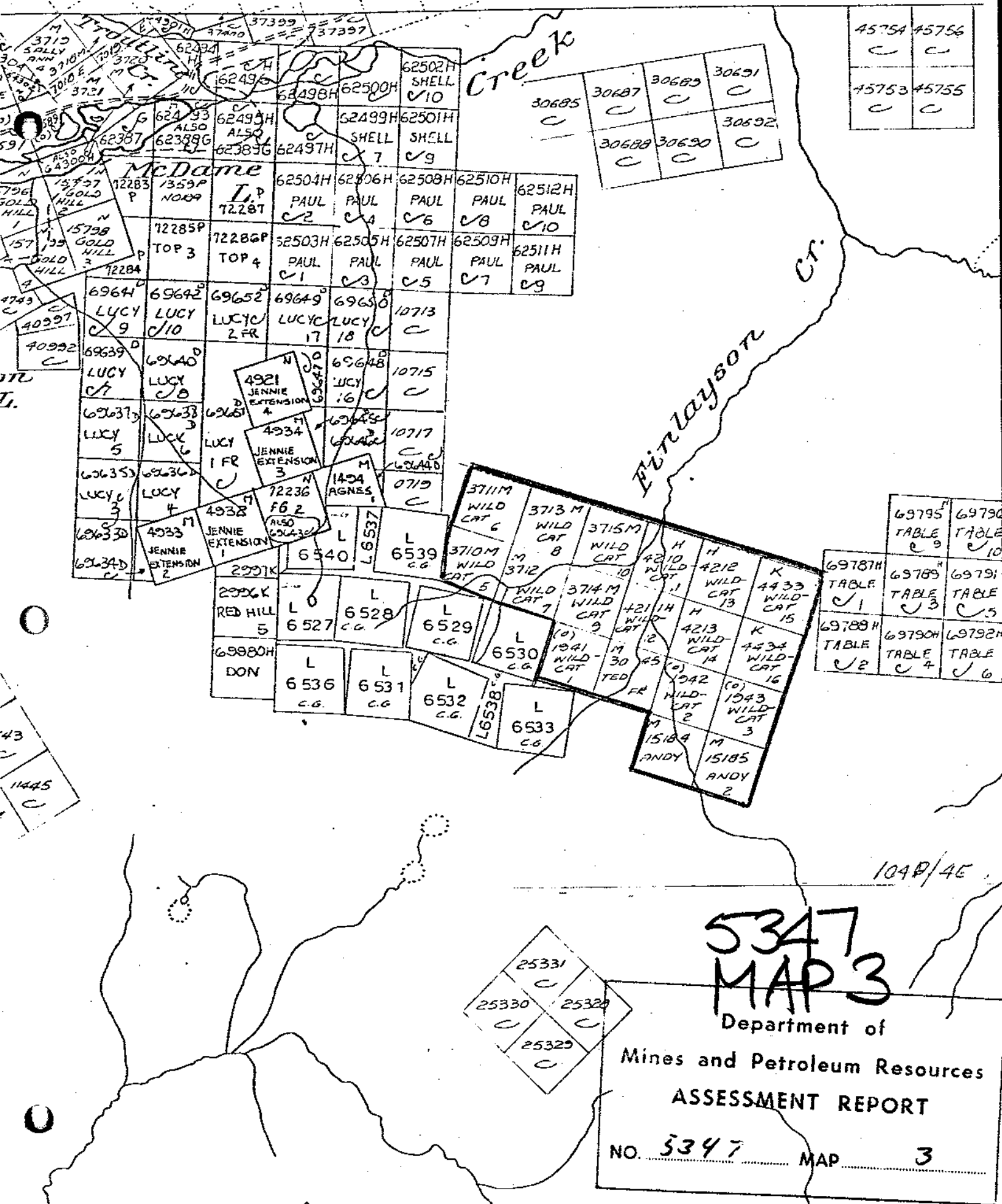
Cook Lake

Vollaug Vein

SNAIR

NEEDLE POINT
MOUNTAIN

5347
MAP 2



45754	45756
C	C
45753	45755
C	C

30685	30687	30689	30691
C	C	C	C
30688	30690	30692	
C	C	C	

69795	69796
TABLE	TABLE
C	C
69787H	69791H
TABLE	TABLE
C	C
69788H	69792H
TABLE	TABLE
C	C

25331	C
25330	C
25328	C
25329	C

104P/4E

5347 MAP 3

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NO. 5347 MAP 3

26743

11243

LOCATION, ACCESS, TOPOGRAPHY

The location of the property is shown on the accompanying map. Access is by a rough road up Evindson Creek or Finlayson Creek. The area of the claims is mostly rolling upland, which has scattered outcrop along the ridges.

CLAIMS

The following eighteen claims are shown in the Vancouver recording office to be held in the name of Frank G. Maynes and W. D. Hartman. They are reported to be held under agreement with Yellowstone Mines Ltd., and are grouped as the Wildcat Group.

<u>Claim</u>	<u>Record No.</u>
Wildcat 1 to 3	1941 to 3
Wildcat 5 to 10	3710 to 3715
Wildcat 11 to 14	4210 to 4213
Wildcat 15, 16	4433, 4434
Ted Fraction	3045
Andy	15184
Andy 2	15185

HISTORY

Cassiar has been an active mining district since 1870. The early activity was in placer mining, and the district is reported to have produced about five million dollars worth of placer gold, almost all at \$17 per ounce. Lode gold showings were located first in 1934. The Vollaug vein was located in 1935 by Vollaug and Erickson. It was optioned by the Cassiar Syndicate in 1936, and the option was transferred to Cominco

later in that year. Cominco diamond drilled 37 holes, some of which were on the ground currently held by Yellowstone, and dug a number of surface trenches in 1937. Later in the year it relinquished the option. The truck road and some surface trenching with a bulldozer, mostly at widely spaced intervals, were completed in more recent years. Very little assay data is available from the recent work.

REGIONAL GEOLOGY

The regional geology is shown on Geol. Surv. Canada map 1110 A, accompanying Memoir 319. The rock hosting the quartz vein is the Sylvester Group of interbedded sediments and 'greenstones'. This group trends northwesterly along the northeast flank of the Cassiar batholith. The individual rock units in the group strike westerly to northwesterly, and swing more northerly as the zone of disruption making the west contact with the Cassiar batholith is approached. The Cassiar asbestos deposit, a few miles to the northwest of the gold quartz district, is in a serpentine lens in the disrupted contact zone. The Vollaug vein is one of a number of gold quartz veins in the district.

LOCAL GEOLOGY AND MINERALIZATION

Two principal rock types are exposed in the area. The andesitic volcanics are massive, competent rocks, but are strongly silicified near the upper contact. The argillite sequence grades from graphitic argillite to fine grained sandstone.

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NO. 5347 MAP 4

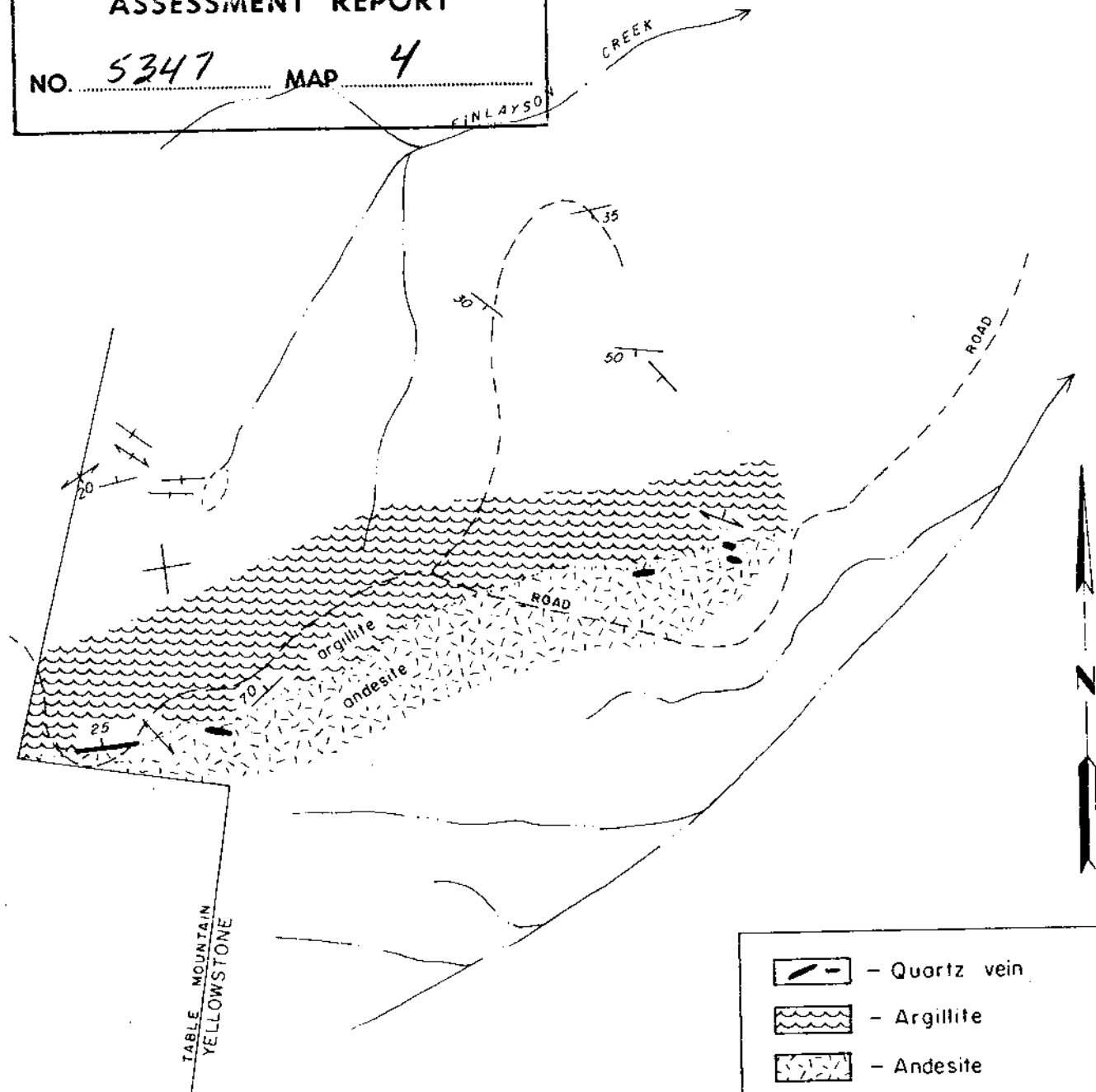


TABLE MOUNTAIN
YELLOWSTONE

5347
MAP 4










700 0 700 1400 FEET

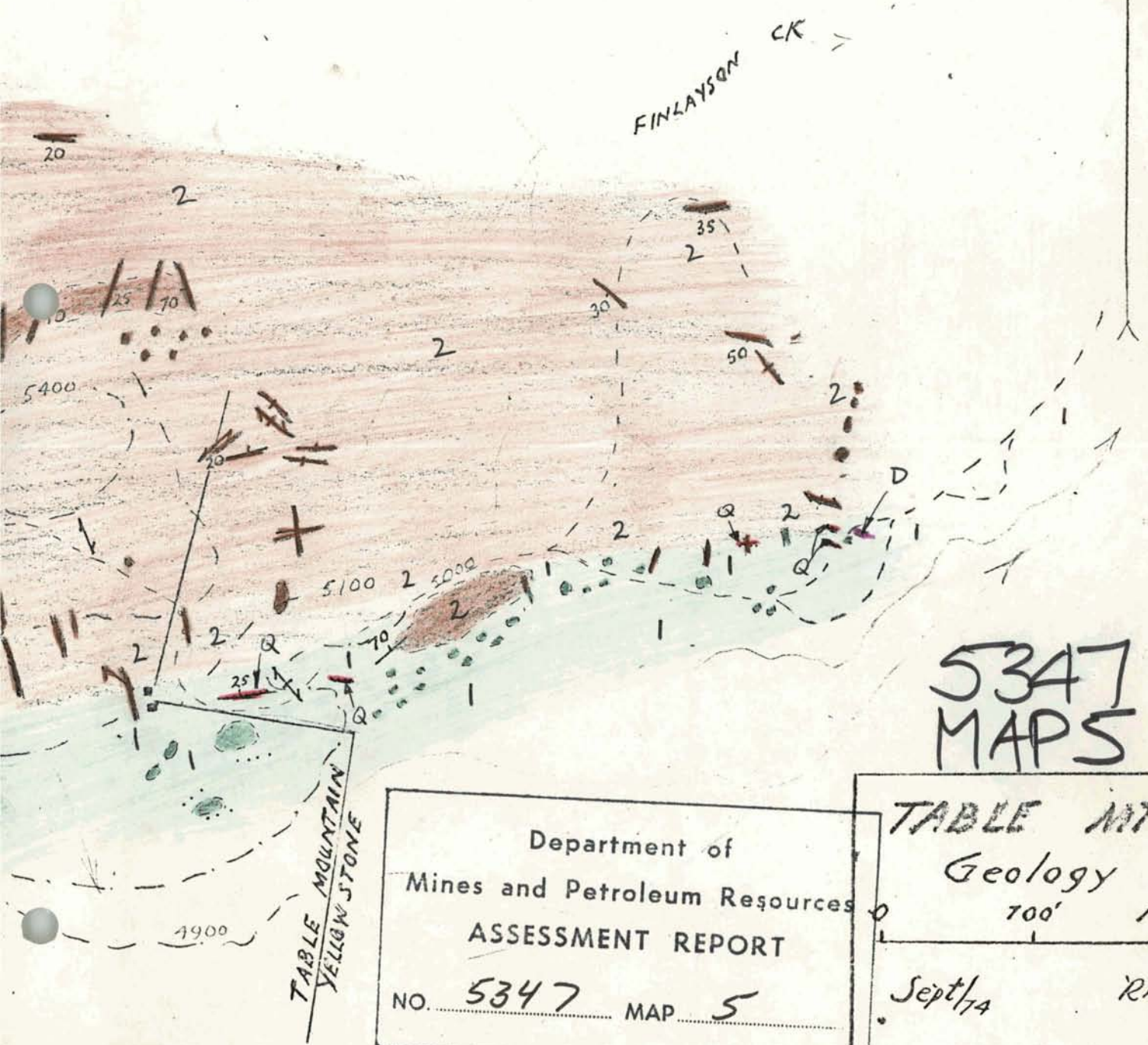
- Quartz vein
- Argillite
- Andesite

TABLE MTN.
GEOLOGY
YELLOWSTONE MINES

Sept. 1974

R.H.S.

	basic dyke D		breccia
	quartz vein Q		road
	argillite		drainage
	andesite		contour
			attitude



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MAPS

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TABLE MTN.
Geology
700' 1400'
Sept/74 RAS.

34
-60°

36
-62°
No Vein

37
-56°
0.8' - Tr

No Vein
No Vein
21' - 0.98 oz Au
27' - 0.12 oz Au
20' - 0.04 oz Au
No Vein

M4 M5 M2 M1 M6 M5

18' - 5.92 oz Au
18' - 0.08 oz Au
37' - 0.57 oz Au
22' - 0.07 oz Au

Cy 2 Cy 3

No Bedrock
Cy 4

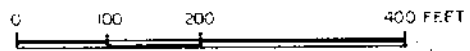
Stringers
Cy 5

YELLOWSTONE MINES
TABLE MOUNTAIN

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MAP 6

Department of
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ASSESSMENT REPORT
NO. 5347 MAP 6

TABLE MTN.
ASSAYS
YELLOWSTONE MINES
Sept. 1974 R.H.S.



The structure makes a broad east-west trending anticline, with the anticlinal crest lying along or just south of the outcrop of the vein system. The argillites cap the andesite in the vicinity of the decline on Table Mountain claims. They also cap the andesite between F shoot and the Yellowstone boundary. Thus the crest of the anticline is almost flat.

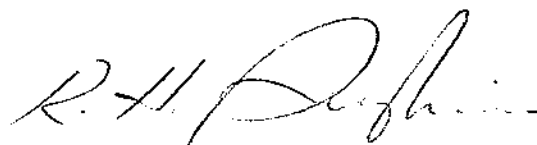
The argillites on the north flank of the anticline are closely folded. Inasmuch as the andesites are not folded, the movement is translated into a strong shear zone along the andesite-argillite contact.

The main vein system follows this shear zone along almost the entire length of the exposed contact. It may be missing along the south side of the small ridge approximately one claim length east of the Table Mountain boundary. However, it is quite possible that it would be present at some depth, further to the north and on the contact, even though it did not form near the crest of the anticline. There is certainly no evidence that it formed on the south flank of the anticline. Thus the section shown, which is from the west part of the known vein system, would appear to be applicable as a generality to the entire length of the east-west structure.

A complicating factor does exist in that the contact and related vein system have been disrupted along strike by a series of cross-faults with left-hand displacement. No evidence exists regarding the amount of the vertical component

of the movement on these faults.

Most of the exposures of the vein on Yellowstone ground are only one to two feet wide. The dips, where determinable, are shallow, 25 degrees or less. The hanging wall is graphitic argillite. These features would make mining unusually expensive.



R. H. Seraphim, Ph.D., P.Eng.

December 18, 1974

R. H. SERAPHIM ENGINEERING LIMITED
GEOLOGICAL ENGINEERING

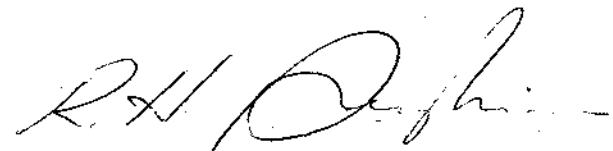
316 - 470 GRANVILLE STREET
VANCOUVER 2, B.C.

CERTIFICATION

I, Dr. R. H. Seraphim, of the City of Vancouver, Province of British Columbia, hereby certify as follows:

1. I am a geological engineer residing at 4636 West 3rd Ave., Vancouver, B.C., and with office at 316 - 470 Granville St., Vancouver, B.C.
2. I am a registered Professional Engineer of British Columbia. I graduated from the University of British Columbia in 1947, and from Massachusetts Institute of Technology in 1951.
3. I have practiced my profession for 25 years.
4. I have no interest, direct or indirect, in the Wildcat group of claims, or in the securities of Yellowstone Mines Ltd., or its affiliates, nor do I expect to receive any.
5. The above report is based on an August 15 to 19, 1974 examination of the Wildcat claims, and on the available records and reports.
6. Several claim posts were observed during the examination and are believed to be in accordance with the appropriate regulations. No indication of any contravention was discovered during the examination.

Dated at Vancouver, B.C. this 18th day of December, 1974.


R. H. Seraphim, Ph.D., P.Eng.