

3457

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 3457 MAP.....

GEOCHEMICAL REPORT
on the

RED GROUP OF MINERAL CLAIMS
OF PRISM RESOURCES LTD.

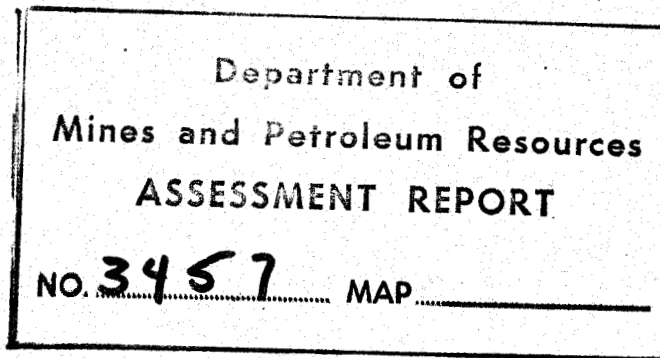
J.H. MONTGOMERY, Ph.D., P.Eng.

DECEMBER 13, 1971

92H/W

LOCATED ON ASHNOLA RIVER
OSOYODS MINING DIVISION
49°120' S.E.

WORK DONE BETWEEN SEPTEMBER 13
AND SEPTEMBER 19, 1971



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INTRODUCTION

The following report is based on the work done on Prism Resources' Ashnola property during the period September 13, 1971 to September 19, 1971. The work consisted of collecting rock specimens from the existing road cuts and trenches and analyzing them for copper at Chemex Labs Ltd.

The results are treated statistically to determine any anomalous populations.

LOCATION AND ACCESS

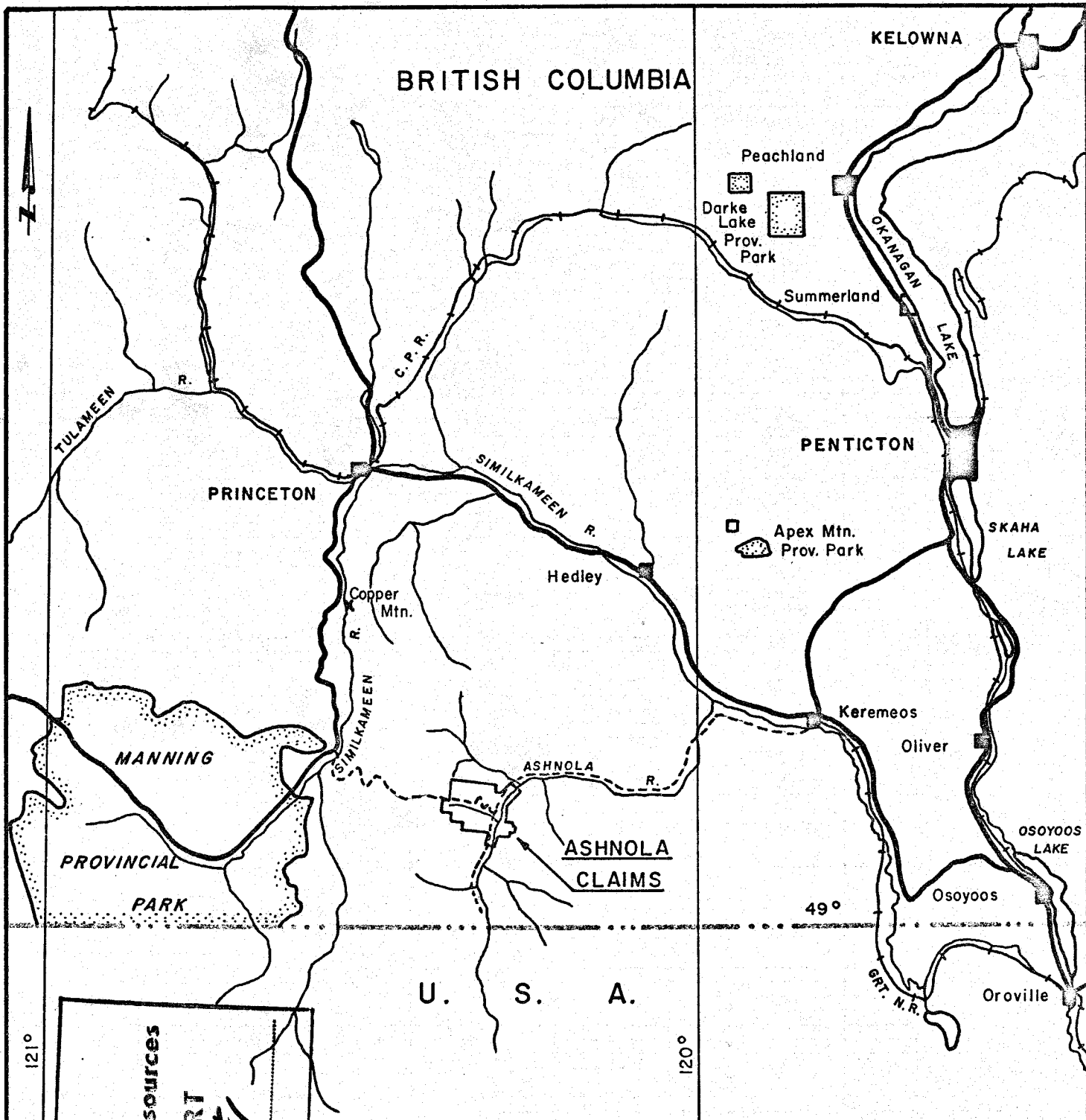
The Prism Ashnola copper-molybdenum property is located on McBride Creek, an easterly flowing tributary of the Ashnola River. The map coordinates are Lat. 49⁰07', Long. 120⁰20'. (Sheet 92H11 West) (See Figure 1).

Access to the property may be had by the Ashnola Forest Access road which follows the Ashnola River from Keremeos, B.C., a distance of 27 miles. Another road leaves highway No. 3 at Copper Creek and runs about 15 miles in a south easterly direction to the property.

CLAIMS AND OWNERSHIP

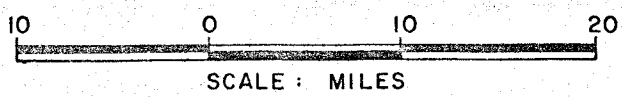
The Prism mining property consists of 159 located mineral claims and fractions, in a contiguous block situated in the Osoyoos Mining Division. The claims are bounded on the east by the Ashnola River, on the west by Placer Mountain, and to the north and south respectively by Young and Druisseau Creeks. All claims are owned outright by Prism Resources Ltd., 805-850 West Hastings Street, Vancouver 1, B.C. The following table lists pertinent claim data.

<u>CLAIM NAME</u>	<u>RECORD NO.</u>	<u>EXPIRY DATE</u>
MAX #1 & #2	14731 & 14732	May 12, 1972
MAX #3 & #4	14865 & 14866	May 19, 1972
CAT #1 - #6	15103 - 15108	May 27, 1972
CAT #1 FR & #2 FR	15407 & 15408	June 2, 1972
ASH #2 & #4	15360 & 15362	June 2, 1972
ASH #6 & #8	15364 & 15366	June 2, 1972
ASH #10 & #12	15368 & 15370	June 2, 1972
NOLA #1 - #28	15751 - 15778	June 2, 1927



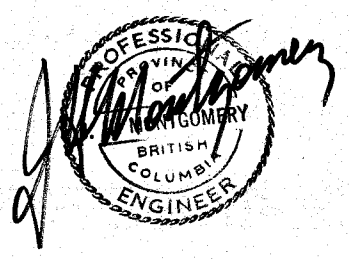
Department of
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ASSESSMENT REPORT
NO. 3457 MAP #1

PRISM RESOURCES LIMITED
ASHNOLA RIVER PROPERTY
LOCATION MAP



DATED: DEC. 13, 1971

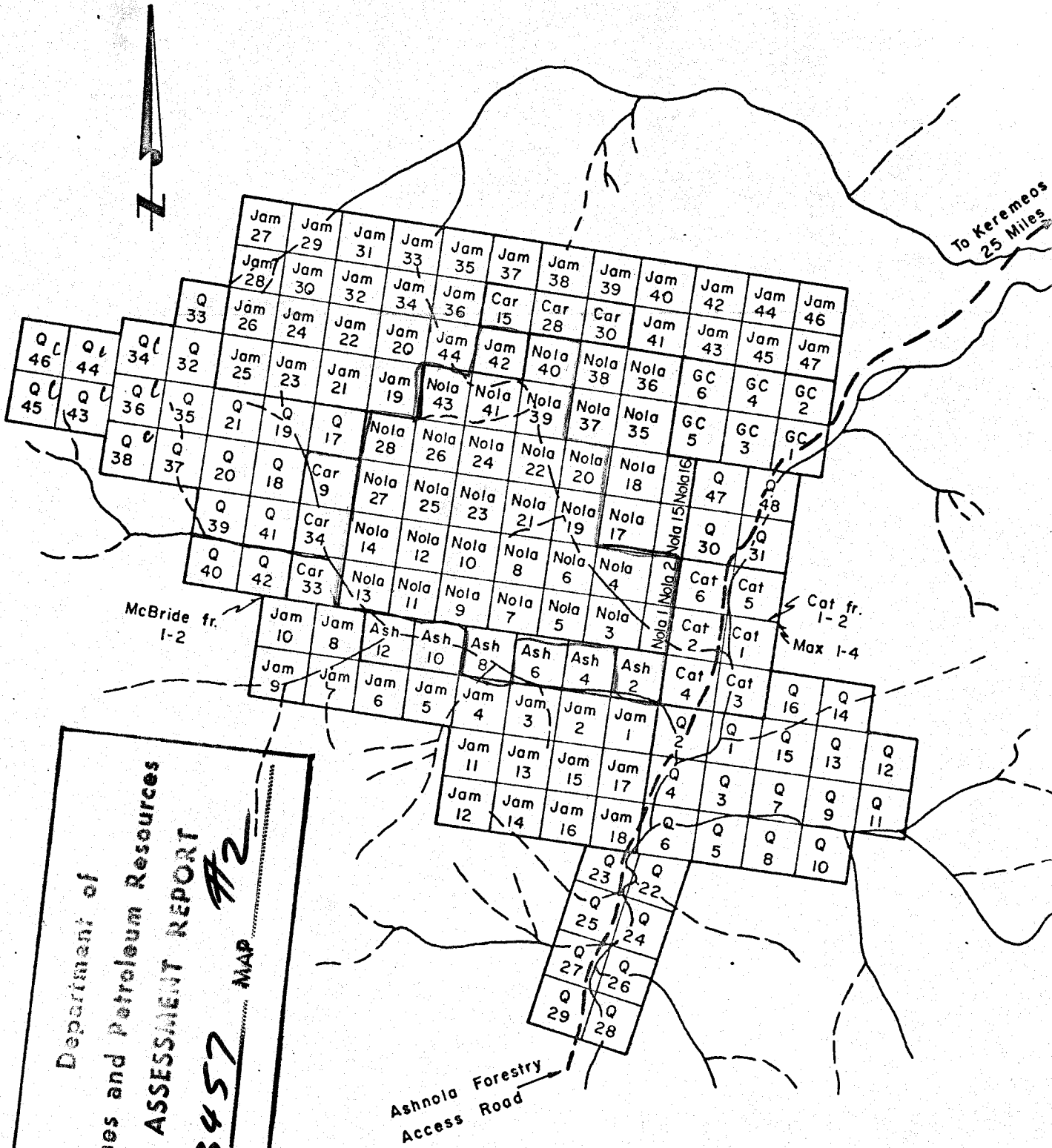
FIG. 1.



CLAIM NAME	RECORD NO.	EXPIRY DATE
cont'd.		
NOLA #35 - #44	15381 - 15390	June 2, 1972
NOLA #1 FR	15495	June 13, 1972
CAR #9 & #15	15504 & 15510	June 13, 1972
CAR #28 & #30	15523 & 15525	June 13, 1972
CAR #33 & #34	15528 & 15529	June 13, 1972
Q #1 - #33	22827 - 22859	July 26, 1972
Q #35 & Q #37	22861 & 22863	July 26, 1972
Q #39 - #42	22865 - 22868	July 26, 1972
Q #47 - #48	22873 - 22874	July 26, 1972
JAM #1	22774	July 26, 1972
JAM #2 - #47	22775 - 22820	July 26, 1972
G.C. #1 - #6	22821 - 22826	July 26, 1972
McBRIDE #1 FR & #2 FR	23910 & 23911	Nov. 12, 1971

HISTORY

The area including the claims mentioned was mapped geologically on reconnaissance scale by Rice (1947). In 1961 Kennco Exploration Ltd. conducted a detailed exploration program on part of the area, including geologic mapping, a geochemical soil survey, geophysical surveys (including IP) and diamond drilling of 9 AX holes totalling about 2700 feet. Meridian Exploration Syndicate staked the property in 1966 and examined it in detail that summer. Their work included

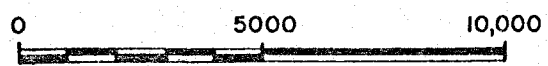


Department of
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ASSESSMENT REPORT
NO. 3457
MAP

[Signature]
PROFESSIONAL
ENGINEER
COLUMBIA

PRISM RESOURCES LIMITED

ASHNOLA RIVER PROPERTY



SCALE : FEET

DATED: DEC. 13, 1971

FIG. 2

a stream sediment survey, geologic mapping, a geochemical soil survey, 7000 feet of Self Potential survey, about 4.5 miles of bulldozer trenching and road building, and about 700 feet of drilling and blasting (Montgomery, 1966). In 1968, the property was under option to Quintana Minerals Corp. who drilled 6 NQ wireline holes totalling 2951 feet (Montgomery, 1968). In addition, geological mapping was done to establish alteration and mineral zoning patterns (C. Arnold and D. Lowell, 1968). Further trenching and soil sampling was carried out in the Cat Creek Drainage Basin during the 1969 field season. In 1970, a program was recommended by Dr. A.J. Sinclair (Sinclair, 1969). The work done consisted of 35 line-miles of Induced Polarization and magnetometer surveys, 13,800 feet of roads and trenches, and 1,300 geochemical samples taken. (Cochrane, 1970).

ROCK GEOCHEMICAL SURVEY

Field Procedure

Hand-sized rock samples were taken from existing roads and trenches on the Prism Ashnola Property. The sampling interval was generally determined by existing outcrops although when possible samples were taken about 400 feet apart.

Samples were labelled and put in plastic bags for shipment to the laboratory for analysis. Sample locations were plotted on a base map. (See figure 3).

Laboratory Procedure

The samples were analyzed by Chemex Labs. Ltd. of Vancouver, B.C. The rock samples were crushed and sieved until the pulp was -120 mesh. The pulp was then digested in HNO_3 and HClO_4 with the extracts analyzed by atomic absorption for copper.

Results

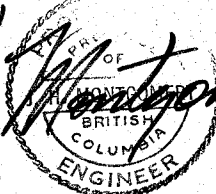
A frequency distribution and cumulative percent distribution were plotted for copper in Figures 4 and 5. Examination of the curves and statistical calculations gave the following values for copper:

Mean of 147 samples	-	58 ppm
Standard Deviation	-	99 ppm
Background	-	less than 50 ppm
Threshold	-	50 to 150 ppm
and Anomalous	-	greater than 150 ppm

Discussion

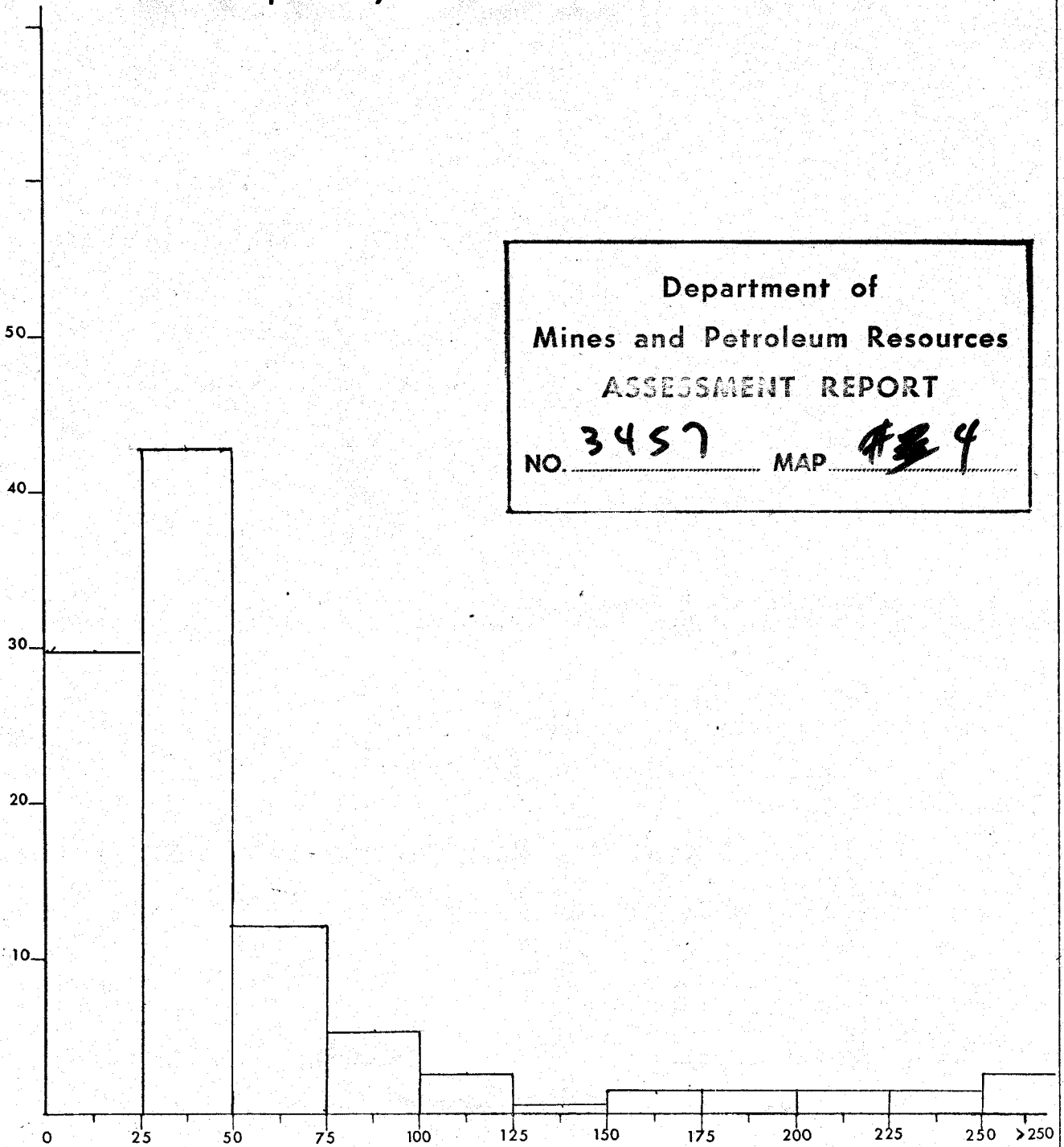
The main anomalous values correspond to outcrops of a Quartz diorite plug where some copper mineralization is visible. In addition there seems to be an anomalous zone west of Cat Creek and east of the intrusive plug.

Further investigation of the area bounded by Cat Creek on the east and the intrusive stock on the west is warranted.

J. L. Montgomery


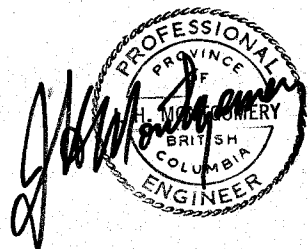
Frequency Distribution

freq.
(%)

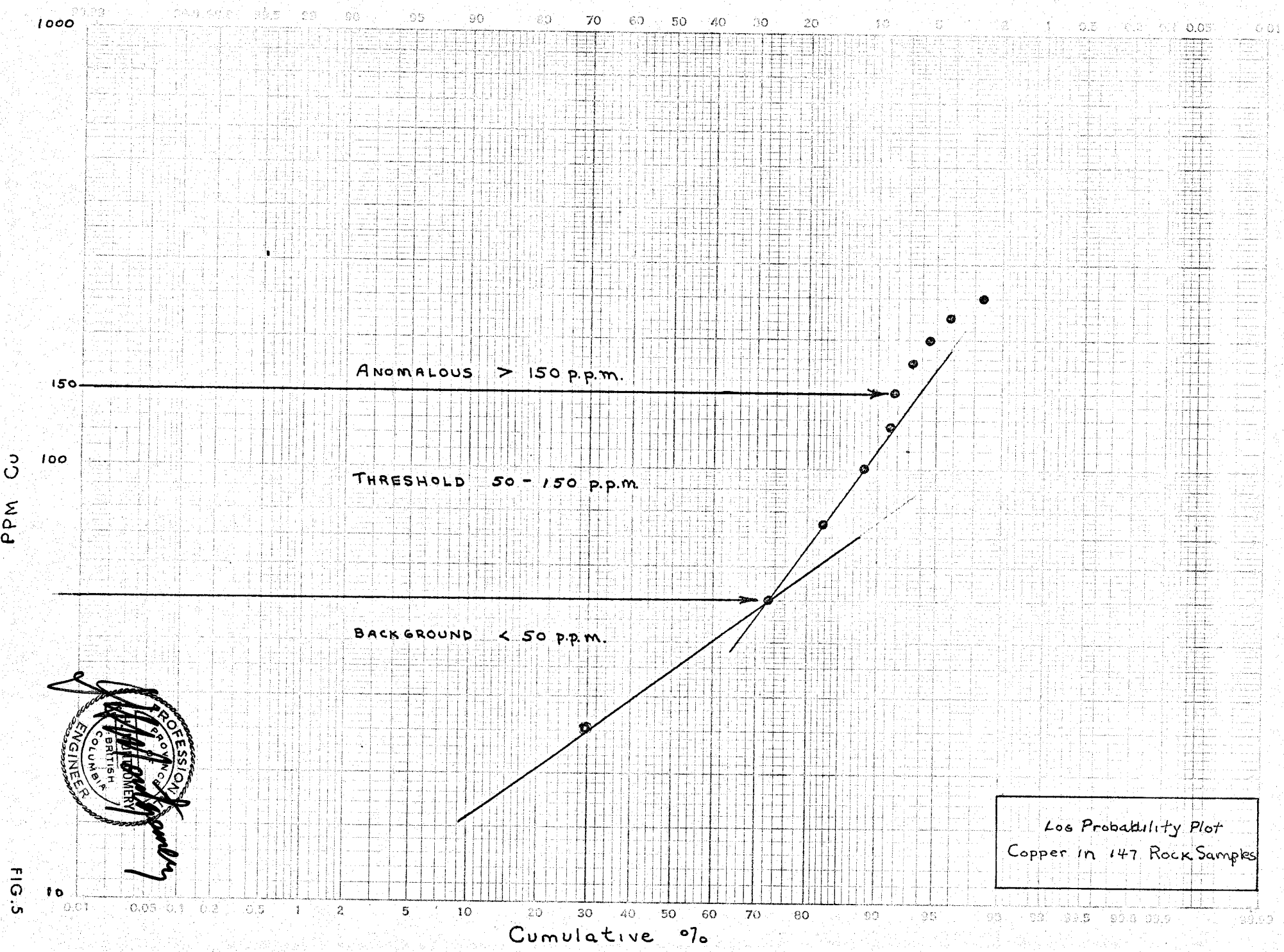


Department of
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 NO. 3457 MAP #34

range
(ppm)



PRISM RESOURCES LTD.		
GEOCHEMISTRY - COPPER IN 147 ROCK SAMPLES		
ASHNOLA PROJECT		
J.H. MONTGOMERY	DEC. 13, 1971	FIG. 4



PROFESSIONAL ENGINEER
BRITISH COLUMBIA
COLUMBIAN ENGINEERS
W. J. [Signature]

Log Probability Plot
Copper in 147 Rock Samples

FIG. 5

COST BREAKDOWN

Total

Gary Faye	7 days @ \$30 per day	\$210.00
Graham Feris	7 days @ \$30 per day	210.00
Assays of Rock Samples		684.94
Board Loss	1 man x 7 days @ \$10 per day	140.00
On property transportation		210.00
		<u>\$1,454.94</u>

RED Group only

2 men - 2 days @ \$30 per day each	120.00
Assays of Rock Samples (% Samples in RED Group)	262.33
Board Loss 2 men - 2 days @ \$10 per day each	40.00
On Property transportation	30.00
Engineering (Report preparation)	200.00
	<u>\$652.33</u>

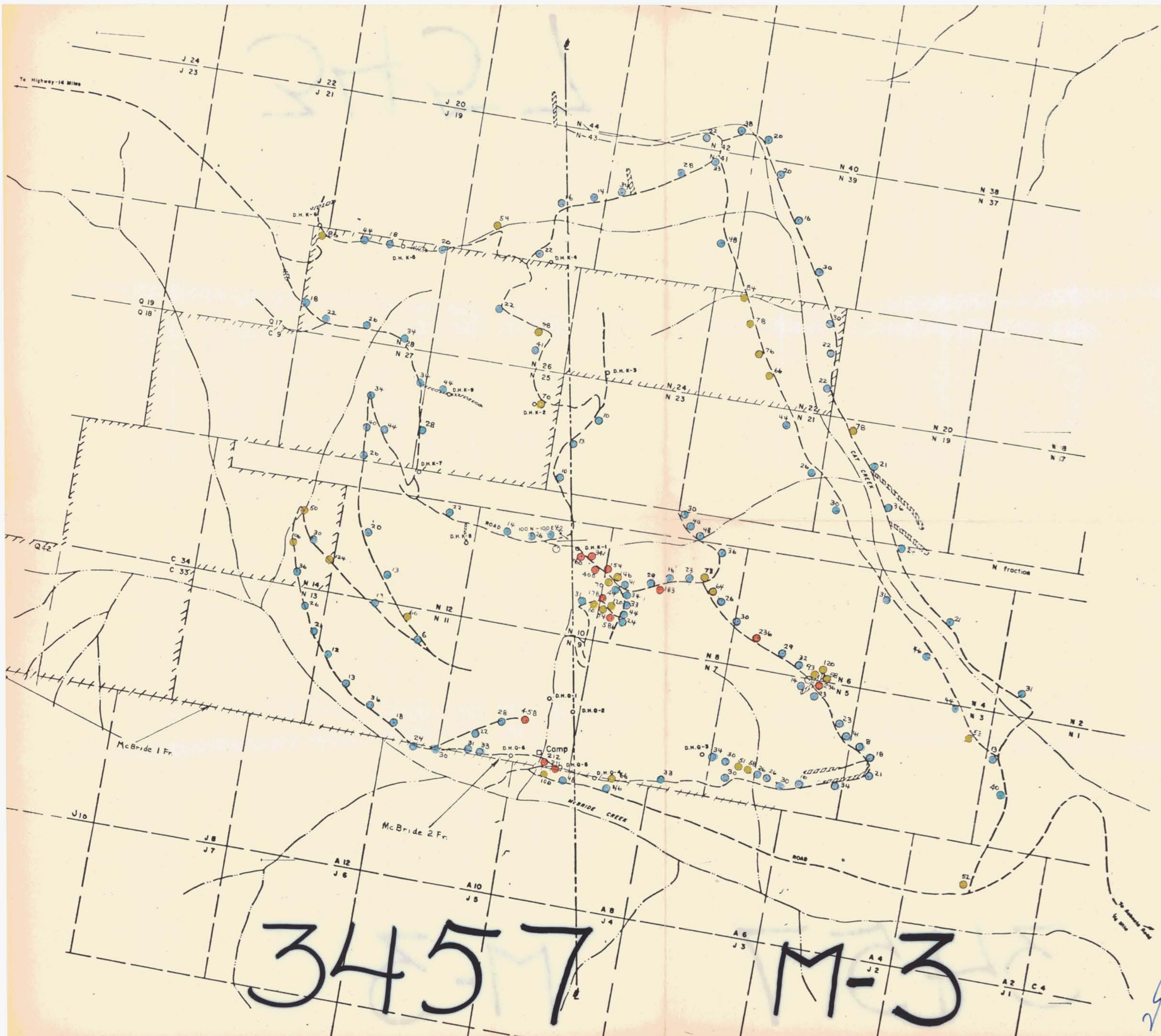
Declared before me at the
 of _____, in the
 Province of British Columbia **VANCOUVER, B. C.**
 day of _____

JAN 5 1972 A.D.

[Signature]
 Sub-Mining Recorder

[Signature: J. H. Montgomery]

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



● < 50 ppm.
● 50-150 ppm.
● > 150 ppm.

Trench ———
Drill Holes By Kenec Expl. - D.H.K-3 ○
" Quintona Corp. - D.H.Q-8 ○

N Denotes Male Claims
J - Jun -
A - Ash -
C - Car -
- RED GROUP
○ 22 - VALUES OF COPPER IN PPM



PRISM RESOURCES LTD.
TO ACCOMPANY THE GEOCHEM
REPORT BY J.H. MONTGOMERY
DATED DEC. 13, 1971

FIG. 3

3457 M-3

J.H. Montgomery
PROFESSIONAL
ENGINEER
BRITISH
COLUMBIA