

GEOCHEMICAL SURVEY REPORT

ON THE

OLD BALDY PROPERTY

PRINCETON, B.C.

SIMILKAMEEN MINING DIVISION

OLD BALDY 393 (7)

GOLD 1384 (4)

MINER 1385 (4)

LATITUDE 49° 25.8' N

LONGITUDE 120° 25.8' W

NTS 92H/8W

BY

K. W. Livingstone  
JMT Services Corp.  
8827 Hudson Street  
Vancouver, B.C. V6P 4N1

OWNERS OF RECORD

K. W. Livingstone  
G. L. Lauzon

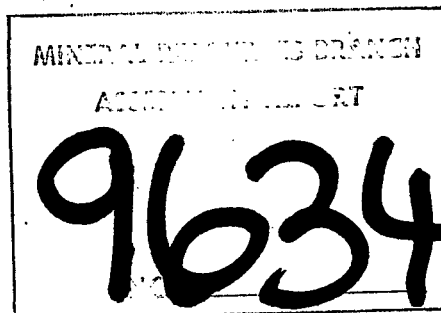
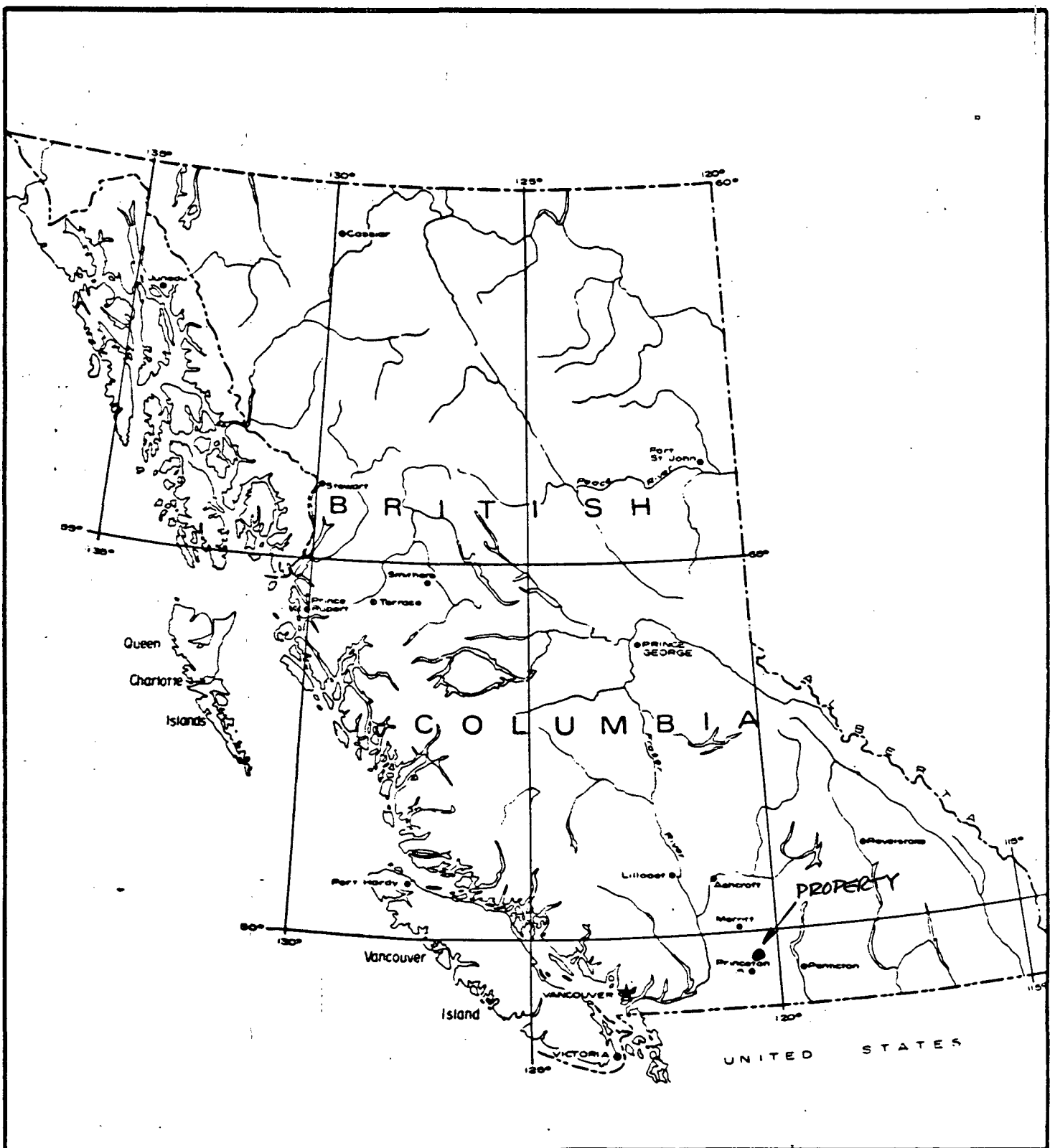


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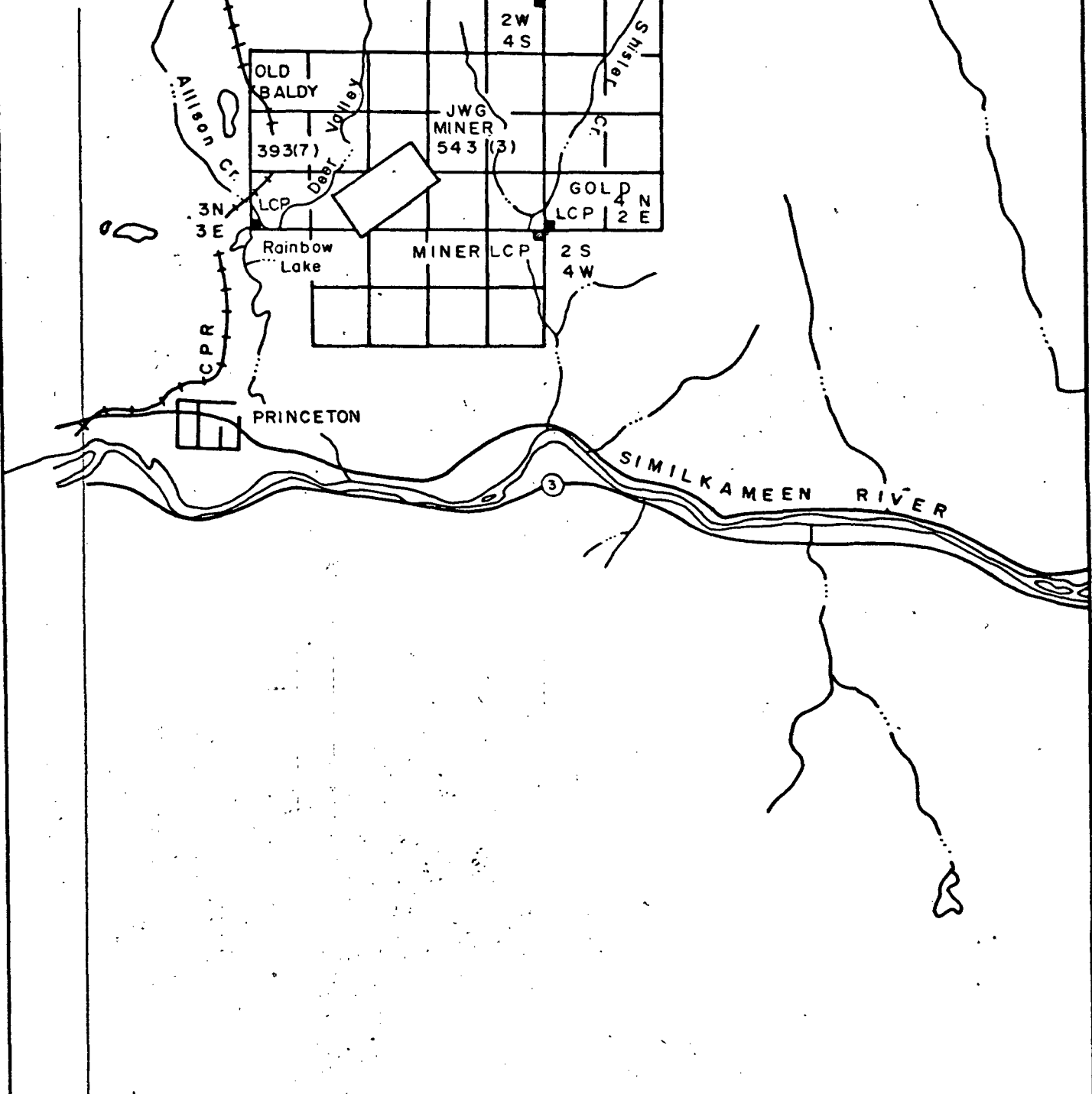
JMT SERVICES CORP.

PROPERTY LOCATION MAP

<p>Scale: 0 to 136 Miles</p>			
<p>Prepared by: Drawn by:</p>	<p>Date: Revised:</p>	<p>NTS MAP AREA</p>	<p>DRAWING No.</p>

49° 30'

LCP



120° 30'



**OLD BALDY  
PROPERTY  
M 92 H/ 8W  
CLAIM MAP**

SCALE 1:50 000

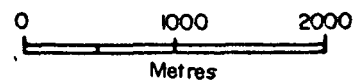


FIG.

## INTRODUCTION

The claim area is located about 6 km northeast of Princeton, B.C. on an open grassy hillside at an elevation of approximately 650 m to 1000 m. There is considerable evidence of early work on the property as evidenced by much bulldozer trenching and drilling. This work was done by various companies including Silver Standard Mines, Granby Mines Joy Ming and Bethlehem Copper Mines. The purpose of this report was to investigate the rock geochemical pattern in the surface rocks and to determine if any economic potential remains on the property.

## MINERAL CLAIMS

<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>	<u>UNIT</u>
OLD BALY	393	9
JWG MINER	543	8
GOLD	1384	8
MINER	1385	8

These claims are in the Similkameen Mining Division.

## GEOLOGY

The property is cut by a major bounding fault of the Princeton Basin located along Deer Creek Valley. This fault causes the Princeton Group arkosic sedimentary rocks of Tertiary age to abut against Triassic Nicola group andesitic volcanics and related microdiorite. The fault is post-mineral in age. Mineralization is restricted to the Nicola rocks.

The mineralization is pyrite and chalcopyrite with associated oxide equivalents. There are abundant brown copper oxides. The better copper mineralization is associated with local zones of k-feldspar alteration.

## GEOCHEMISTRY

Much of the claim area contains outcrop in existing trenches or natural exposures. A programme of rock chip sampling was completed. About 5 to 10 lbs of rock chips were placed in a plastic bags and sent

Vangeochem Labs, in North Vancouver.

The samples were crushed and a pulp prepared for geochemical assay for copper. In areas of poor exposure where the B soil horizon could be easily reached (within 25 cm), soil samples were taken and placed in kraft soil bags. The samples were dried and sieved. The -80 mesh was geochemically assayed for copper. The copper determination was made by digesting a portion of the prepared pulp in a solution of nitric and perchloric acids and analysing the solution by atomic absorption.

#### RESULTS

The copper values ranged up to 100 ppm. There is no smooth contourable relationship of values but in general the better values are located in trenches up on the grassy bench part of the claim area. This area is adjacent to an area of open grassland which is not trenched or drilled. Overburden in this area may be many meters deep and soil sampling is not considered effective. This area is considered to have exploration potential for the extension of known copper mineralization.

#### CONCLUSIONS AND RECOMMENDATIONS

The area of overburden cover adjacent to the better mineralized surface outcrops warrants exploration by percussion drilling. Some of the better mineralized exposures may be drilled with some expectation of increasing the grade with depth. In particular, those outcrop areas displaying k-feldspar alteration should be evaluated further.

K. W. Livingstone

STATEMENT OF COSTS

TIME

K. W. Livingstone, geologist - April 17-20,		
	28-30	6 days @ \$200
		\$1,200.00
G. Lauzon, assistant	- April 17-20	4 days @ \$125
		500.00
Truck-camper rental		4 days @ \$50
		200.00
		400 mile @ \$0.20
		80.00
Food - 8 mandays		@ \$20.00
		160.00
Field supplies consumed (flagging, sample bags, etc)		75.00
Geochem assays - 185 samples		675.25
Report - maps, typing and drafting		<u>500.00</u>
		<u>\$3,590.25</u>

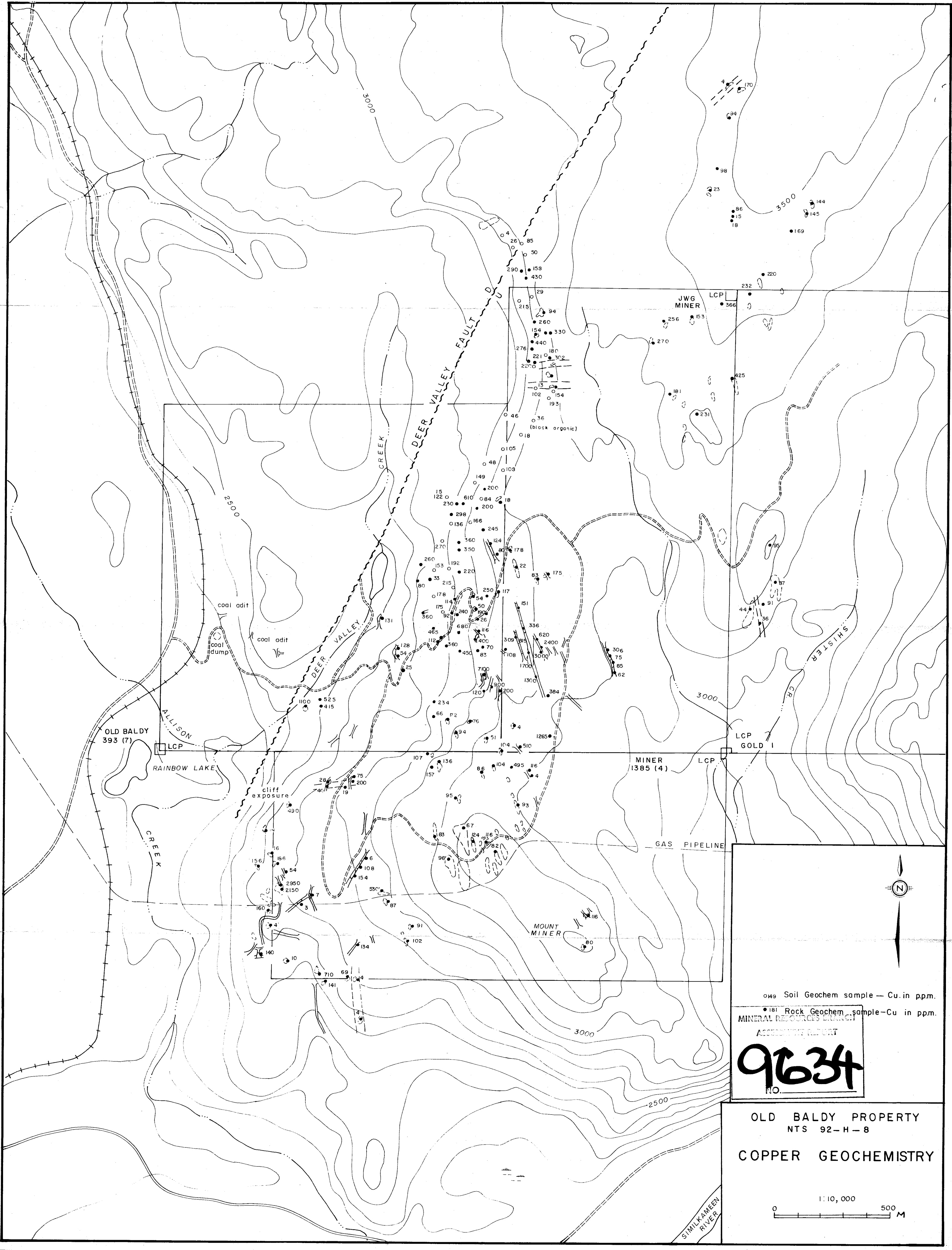
STATEMENT OF QUALIFICATIONS


I, K. WAYNE LIVINGSTONE of Vancouver, British Columbia do hereby certify that,

1. I am a Professional Geologist, working in British Columbia and residing at 6775 West Blvd. Vancouver, B.C.
2. I am a graduate of CARLETON UNIVERSITY, Ottawa, Ontario with BSc honours geology 1966.
3. I am a graduate of the UNIVERSITY OF BRITISH COLUMBIA with MSc geology 1968.
4. I have practiced my profession as a mining exploration geologist since 1965.
5. I am a Member of the Geological Association of Canada.
6. I am a Member of the CIMM.
7. This report is based on personal knowledge of the geology and mineral potential of the claim area.

  
.....  
K. WAYNE LIVINGSTONE, MSc.





  
 049 Soil Geochem sample — Cu in ppm.  
 • 181 Rock Geochem sample — Cu in ppm.  
 MINERAL RESOURCES BRANCH  
 ACCIDENT REPORT  
**9634**  
 NO.

OLD BALDY PROPERTY  
 NTS 92-H-8  
**COPPER GEOCHEMISTRY**  
 1:10,000  
