GEOCHEMICAL REPORT

ON THE

MODBAR PROPERTY

MODBAR	548(8)
MB #1-4	542(8),543(8),1397(9),1436(9)
ERNIE	1244(5)
SYD	1437(9)

NEW WESTMINSTER MINING DIVISION

NTS 92H/14W

LATITUDE 49°48'N LONGITUDE 121°18'W

DATES OF WORK: August 31-September 22, 1982

CLAIM OWNER	K. Wayne Livingstone
OPERATOR	JMT SERVICES CORP.
BY	J. S. CHRISTIE
DATED	DECEMBER 21, 1982

TABLE OF CONTENTS

ILLUSTRATIONS

INTRODUCTION

The Modbar prospect is a Cu-Mo porphyry located about 21 km southeast of Boston Bar, B.C., south of Uztilius Creek at elevation 2500 - 3500 feet. It is accessible normally by two-wheel drive vehicle on logging roads which connect to Boston Bar. A major logging road and power transmission line lie just north of the property. Clearcut logging is in progress on central and southern parts of the claims.

The current programme consisted of extending the soil grid established in 1981. A total of 54 soil samples were collected for analysis. The new lines were all run by qualified geologist and geological observations were made in those areas, and along a number of old cut trails which were tied into the grid. Geological information is insufficient to warrant a formal map at this time.

The work completed in 1982 was on the Modbar and MB #1 - #3 mineral claims.

MINERAL CLAIMS

The property comprised of seven mineral claims as follows and shown on the claim map (figure 2).

CLAIM NAME	RECORD NO.	NO. OF UNITS
MODBAR	541 (8)	10
MB #1	542 (8)	10
MB #2	542 (8)	6
ERNIE	1244 (5)	4
MB #3	1397 (9)	6
MB #4	1436 (9)	4
SYD	1437 (9)	4

GEOLOGY

The prospect is located just west of the west boundary of the Eagle batholith, and is underlain by a variety of intrusive rock types cutting sediments. Molybdenite and chalcopyrite have been found in quartz-porphyry with stockwork quartz veins. Young breccias with fragments of rhyolite and hornfels sediments and tuffs intrude phyritic hornfels adjacent to a weakly mineralized granodiorite stock. The age relations of the intrusive and sequence of mineralizing events is not known at this time.

JMT SERVICES CORP.

MODBAR

PROPERTY LOCATION MAP

FIGURE 1

SCALE

Mile 1:36 36 Mile

Prepared by: Drawn by:	Date: Revised:	NTS MAP AREA	DRAWING No.

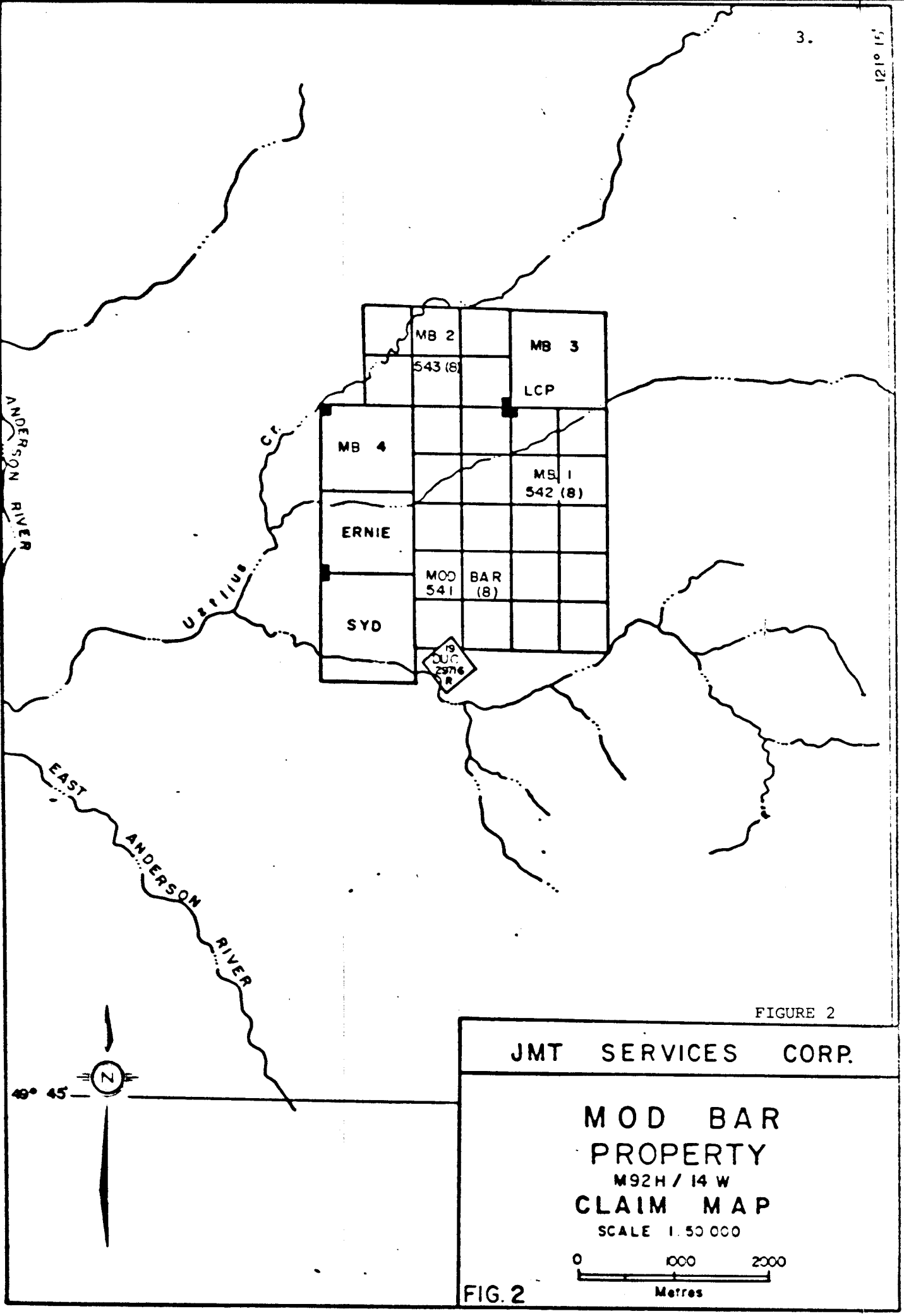


FIGURE 2

JMT SERVICES CORP.

MOD BAR PROPERTY

M92H / 14 W

CLAIM MAP

SCALE 1:50 000

0 1000 2000

Metres

FIG. 2

Geological observations are insufficient to warrant preparation of a formal map at this time. Although the following comments are appropriate: In the north central part of the grid the highest molybdenum values occur in an area with overlaps of a rhyolitic quartz-eye porphyry. Highest copper values are associated with outcrops of biotite granodiorite many of which contain secondary biotite. and fracture controlled chalcopyrite mineralization. The eastern part of the extended grid, based on float is underlain by greywacke, arkosic sandstone and siltstone with no apparent mineralization or alteration. Geochem values drop off sharply in this area suggesting that the east boundary of the geochem anomaly may be a fault.

SURVEY

In 1981 soil samples were collected on a grid on the north part of the prospect. Samples were taken every 50 metres on 100 metre spaced lines. Control tie lines were run on 500 meter spacing. Grid orientation is 062°. The soil samples were collected about 1- 20 cm in depth from the reddish-brown B horizon. This grid was extended to the east and north in 1982 to establish the limits of the Cu-Mo geochem anomaly.

SAMPLE TREATMENT

The soil samples were collected in kraft bags and dried. A portion of the -80 mesh size was treated with a solution of nitric-perchloric acids. The copper and molybdenum values were measured by atomic absorption. The assays were done by Chemex Labs ltd., 212 Brooksbank Avenue, North Vancouver, B.C.

GEOCHEMISTRY

Copper - Copper values range up to 3150 ppm. Background is approximately 50 - 80 ppm. Those values over 200 ppm are considered anomalous. The 1982 extension of the survey has indicated that the anomaly terminates very abruptly on the east just beyond the limit of the old survey. To the north anomalous values extend beyond the current survey and additional soil lines will be required to establish boundaries.

Molybdenum - Molybdenum values range up to 115 ppm. Background is 3 - 4 ppm and those values greater than 15 ppm are considered anomalous. The only significant zone of anomalous Mo is located in the northeast part of the grid on the edge of the survey. The current survey has established the eastern boundary of the anomaly but additional lines are needed to the north.

CONCLUSIONS AND RECOMMENDATIONS

The 1981 and 1982 surveys have indicated a large area, 5 - 700 m by at least 1000 m, of anomalous copper in soil with a smaller coincident area anomalous for molybdenum. The surveys have not completely outlined the limits of mineralization and should be expanded to the north and southwest.

Respecfully submitted,

J. S. Christie, Ph.D.

December 21, 1982

APPENDIX I

STATEMENT OF COSTS

GEOLOGISTS			
J. S. Christie	Aug 31, Spt. 1, 5	3 days @ $225	$ 675.00
Colin Harivel	Sept 1, 5	2 days @ $225	450.00
W. A. Howell	Sept 1, 5	2 days @ $225	450.00
MEALS	6 mandays @ $25		150.00
MOTEL			90.00
TRUCKS:	Jimmy 4x4 - 3 days - 490km		181.20
TRAIL BIKES	Honda 110		35.00
GEOCHEM	Chemex Labs		203.55
MAPS and Report Preparation			700.00
Drafting and report duplication			300.00
Field supplies - flagging, soil plastic bags, hip chain string,etc			50.00
			$3,284.75

APPENDIX II

STATEMENT OF QUALIFICATIONS

I, James S. Christie of Vancouver, British Columbia do hereby certify that,

1. I am a Professional Geologist residing at 3921 West 31st Avenue, Vancouver, B.C. , V6S 1Y4

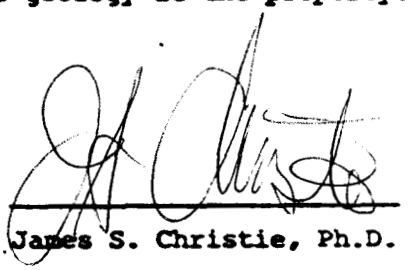
2. I am a graduate of the University of British Columbia B. Sc., Honours Geology - 1965; Ph.D. Geology - 1973

3. I have practised my profession as a mining exploration geologist, continuously since 1965.

4. I am a Fellow of the Geological Association of Canada.

5. I am a Member of the Geological Society of America.

6. This report is based on my personal knowledge of the district, and mapping of the geology at the property.



James S. Christie, Ph.D.

APPENDIX III

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : JMT SERVICES CORPORATION

8827 HUDSON STREET
VANCOUVER, B.C.
V6B 4N1

CERT. # : A8213414-001-A
INVOICE # : I8213414
DATE : 20-SEP-82
P.O. # : NONE
MODBAR

Sample description	Prep code	Cu ppm	Mo ppm				
B 1367	201	1450	45	--	--	--	--
B 1368	201	101	1	--	--	--	--
B 1369	201	90	1	--	--	--	--
B 1370	201	129	1	--	--	--	--
B 1371	201	68	1	--	--	--	--
B 1372	201	89	1	--	--	--	--
B 1373	201	38	1	--	--	--	--
B 1374	201	27	1	--	--	--	--
B 1375	201	34	1	--	--	--	--
B 1376	201	131	3	--	--	--	--
B 1377	201	85	1	--	--	--	--
B 1378	201	33	1	--	--	--	--
B 1380	201	16	1	--	--	--	--
B 1381	201	260	4	--	--	--	--
B 1382	201	495	20	--	--	--	--
B 1383	201	370	13	--	--	--	--
B 1384	201	115	19	--	--	--	--
B 1385	201	3150	34	--	--	--	--
B 1386	201	385	10	--	--	--	--
B 1387	201	900	9	--	--	--	--
B 1388	201	365	115	--	--	--	--
C 100	201	1050	5	--	--	--	--
C 101	201	660	6	--	--	--	--
C 102	201	235	2	--	--	--	--
C 103	201	17	1	--	--	--	--
C 104	201	113	1	--	--	--	--
C 105	201	102	1	--	--	--	--
C 106	201	13	1	--	--	--	--
C 107	201	60	1	--	--	--	--
C 108	201	48	1	--	--	--	--
C 109	201	181	2	--	--	--	--
C 110	201	250	4	--	--	--	--
H 869	201	17	1	--	--	--	--
H 870	201	430	4	--	--	--	--
H 871	201	32	2	--	--	--	--
H 872	201	35	1	--	--	--	--
H 873	201	35	1	--	--	--	--
H 874	201	23	1	--	--	--	--
H 875	201	80	1	--	--	--	--
H 876	201	74	1	--	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hart Bichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : JMT SERVICES CORPORATION

8827 HUDSON STREET
VANCOUVER, B.C.
V6B 4N1

CERT. # : A8213414-002-A
INVOICE # : I8213414
DATE : 20-SEP-82
P.O. # : NONE
MODBAR

Sample description	Prep code	Cu ppm	Mo ppm				
H 877	201	21	1	--	--	--	--
H 878	201	77	1	--	--	--	--
H 879	201	41	1	--	--	--	--
H 880	201	265	2	--	--	--	--
H 881	201	315	4	--	--	--	--
H 882	201	305	7	--	--	--	--
H 883	201	350	8	--	--	--	--
H 884	201	205	37	--	--	--	--
H 885	201	410	16	--	--	--	--
H 886	201	310	14	--	--	--	--
H 887	201	86	12	--	--	--	--
H 888	201	83	7	--	--	--	--
H 889	201	198	10	--	--	--	--
H 890	201	149	4	--	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Hart Bichler

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,876

○ Z 680 Soil sample site and number
540/25 Copper ppm. / Molybdenum p.p.m.

MODBAR PROPERTY

SOIL GEOCHEMISTRY
COPPER AND MOLYBDENUM
NTS 92–H–14

SCALE 1: 2000
0 50 100 150
METERS

BASELINE A 332° AZ

TIE–LINE B

BASELINE C

LINES 062° AZ

MOD BAR

LCP

MB 1

MB 2

MB 3

B.F. PORPHYRY