

PROSPECTING REPORT ON THE

MAUSER CLAIMS

06/86

Cariboo Mining Division

N.T.S. 93A|2W

Lat. 52°08'N

Long. 120°50'W

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,558

Owner: Crack Resources Ltd.

14247 72A Avenue

Surrey, B.C.

U3W 2R2

FILMED

Operator: as above

06/85

By: John B. Davies

MAUSER PROSPECTING REPORT
TABLE OF CONTENTS

INTRODUCTION.....	1
PROPERTY DESCRIPTION.....	1
PHYSIOGRAPHY.....	1
ACCESS.....	1
PREVIOUS WORK.....	2
OBJECT OF PRESENT WORK.....	2
THEORY.....	2
INSTRUMENTATION.....	2
PROCEDURES.....	2
RESULTS.....	2
DISCUSSION.....	3
RECOMMENDATIONS.....	3
STATEMENT OF COSTS.....	5
STATEMENT OF QUALIFICATIONS.....	6
MAPS	

PROSPECTING REPORT ON MAUSER CLAIMS

INTRODUCTION

The Mauser claim block is situated approximately four (4) kilometres NorthWest of Hendrix Lake in the Quesnel Mining Division, map NTS 93A/2W, at coordinates 52° 09' N, 120° 50' W. Prospecting and outcrop mapping has been performed on this claim group by Dr. John B. Davies during 1984/5 season with emphasis on location of mineralisation. Copper, with possibly gold, and other pyrites have been observed with extensive quartz stringers in a stockwork as the main prospecting target. Contact zones between argillites and diorites are also of interest. Current owner and operator is Crack Resources Ltd.

PROPERTY DESCRIPTION

The property is located about 5 km NorthEast of the Noranda Hendrix copper-molybdenum mine which, though now closed due to poor Cu-Mo prices, has an extensive history of production. This Cu-Mo deposit is of the classic type with ore mineralisation occurring in a diorite/monzonite stock. Such systems are known to occur often with surrounding precious metal deposits which is the main target of this exploration survey. Such precious metals usually occur in veins, shear zones and stockworks, all of which are prospecting targets on this Mauser claim block.

PHYSIOGRAPHY

The claims are situated on the north east slope of a ridge running north west from Hendrix Lake. Fairly steep slopes at the bottom flatten out near the ridge top. Coniferous forest covers much of the northerly part of the claim but recent logging has opened up the easterly region. Some streams and creeks drain the ridge running both north and east.

ACCESS

Access to the claims is by gravel road from Canum Lake to Hendrix Lake and just north, about 1 km, from Hendrix Lake, a series of logging roads in various stages of quality give access to the claim block. Four wheel drive and/or dirt bike is necessary for access to the more remote areas of the logging slash.

PREVIOUS WORK

There is no known previous work done on these particular claims.

OBJECT OF PRESENT WORK

The object of this prospecting work is to obtain information on the types of rocks, structures and mineralisations present on the claim block.

THEORY

The theoretical side of prospecting is, to this author, the evaluation of the particular rock and mineralisation information in terms of possible orebodies surrounding known copper-molybdenum porphyry deposits in diorite/manzonite stocks for which there is much theoretical and real evidence. These orebodies can occur as veins, stockworks and/or shear zones.

INSTRUMENTATION

For prospecting, the usual instruments used are rock hammer, lens, pan etc., but with major emphasis on the prospectors own ability to find minerals and observe in the field.

PROCEDURES

A large area of the claims was examined for outcrops and rough maps were drawn up. Samples of quartz stockworks in argillites were taken for more thorough microscope examination later. Contact zones between diorites and monzonites were examined for mineralisation.

RESULTS

Because of the large amount of quaternary alluvium over much of the claim block, only scattered outcrops could be examined. A rough map of the region is enclosed, see map # 2, with the various rock type indicated on it. Diorite/monzonite was observed in some places in contact with black argillites which contained pyritic mineralisation and quartz stockworks. Some chalcopyrite in disseminated small grains was observed

in the argillites though none has been found in the quartz stringers that criss-cross certain of these argillites. These two main rock types are also found with a third, a greenish grey basalt/tuff which has enclosed fine grains of peridot in some regions. Because of the lack of consistent outcrops, no obvious structural relationship between these three rock types is obvious at this stage.

Contact zones between the diorite and the argillite, where found, were examined for more massive mineralisation but none was observed over the few zones that were not covered by overburden.

DISCUSSION

The observed information so far obtained lends credence to the possibility of precious and base metal deposits on these claims. The quartz stringers observed in the argillites lend credence to a possible stockwork mineralisation. The disseminated chalcopyrite, which has been observed and drilled on other claims in the area, indicate the presence of metal bearing rocks though with too low a concentration for commercial interest. Contact zones between argillites and diorites are of interest for possible massive sulphide concentrations. On other claims in the area, low grade gold and silver mineralisation has been found with geochemical surveys indicating wide areas with over 1 ppm of silver in the soil.

RECOMMENDATIONS

Because of the encouraging results of this prospecting and the observed mineralisation, the following recommendations are made for further examination of the argillite zones and the diorite/argillite contacts.

1. Further prospecting of the mineralised areas.
2. Geochemical survey over these zones with emphasis on copper, silver, lead, zinc and gold.
3. V.L.F. survey over these zones.
4. Detailed geological mapping and sampling of these more encouraging areas.

5. Magnetic survey over these zones.
6. A general topographic and environmental detailed map of the areas surveyed.
7. Analysis of the above results with further work to be performed dependent on these surveys' information.

STATEMENT OF COSTS

September 1984 and May 1985

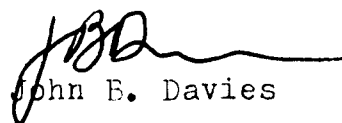
1 Geoscientist for 6 days @ \$150 per day	\$ 900.00
1 Prospector for 6 days @ \$75 per day	450.00
Food for 2 for 6 days	240.00
Accomodation (6 nights)	220.00
Transporation (rent & gas)	290.00
Report Preparation	<u>300.00</u>
Total	\$2,400.00

STATEMENT OF QUALIFICATIONS

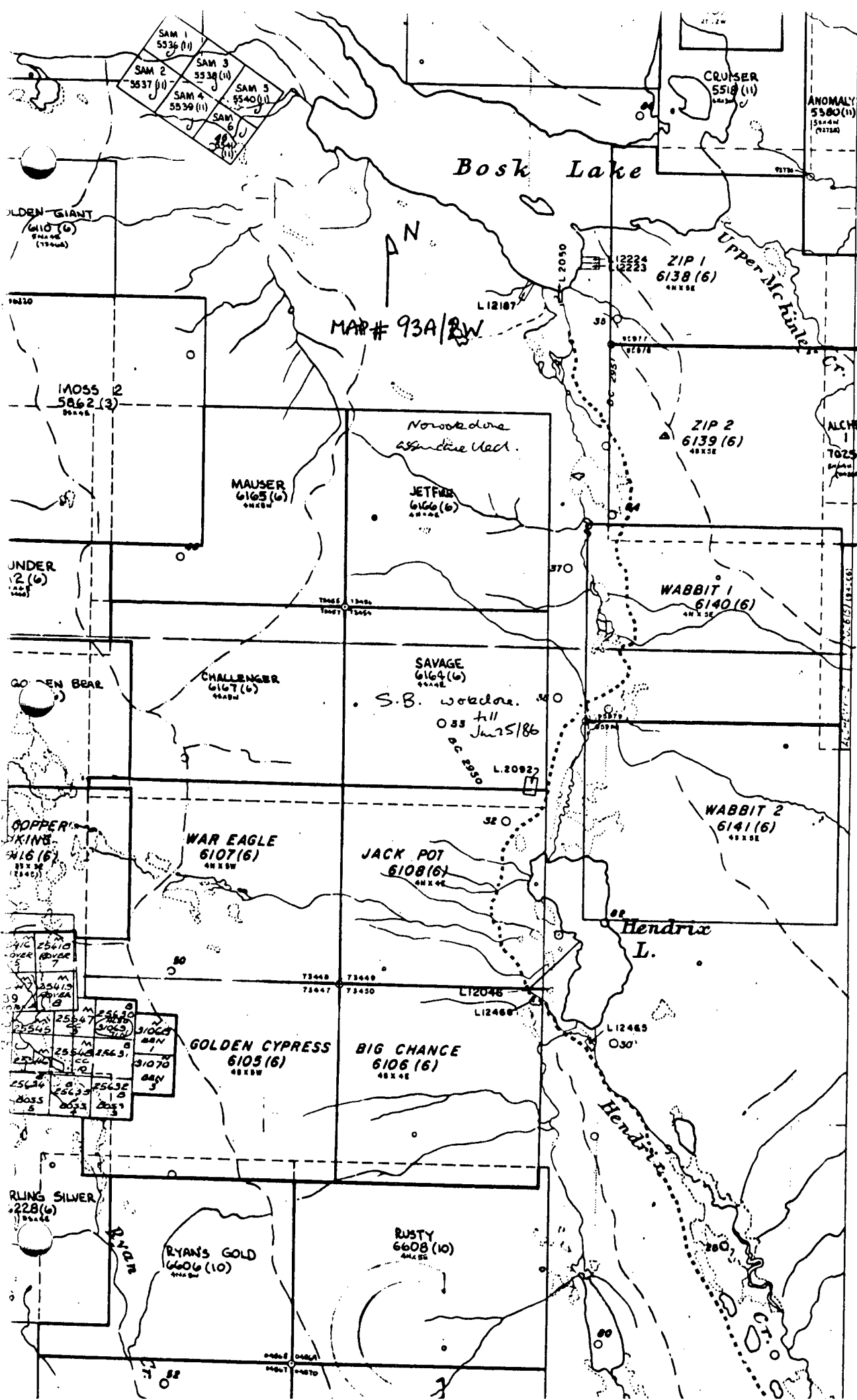
I, Hohn B. Davies, Ph.D., of 3016 140th Street,
Surrey, B.C., do hereby swear that I possess the following
qualifications:

1. Graduate degrees in Geophysics from the California Institute of Technology and the University of British Columbia.
2. Completion of the B.C. prospecting course under Fraser Shephard.
3. Twelve years experience prospecting in British Columbia and western North America.

Sincerely,

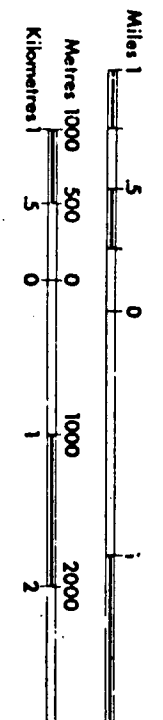


John B. Davies



MAP # 1, HAUSER REPORT
 2E/V 03 PAV SEE ST 13 V3 01

- LEGEND
- CROWN-GRANTED MINERAL CLAIM
 - REVERTED C.G. MINERAL CLAIM
 - FORFEITED MINERAL CLAIM
 - VERIFIED LEGAL CORNER POST
 - LEGAL SURVEY
 - LEGAL CORNER POST & TAG NUMBER 012345



C

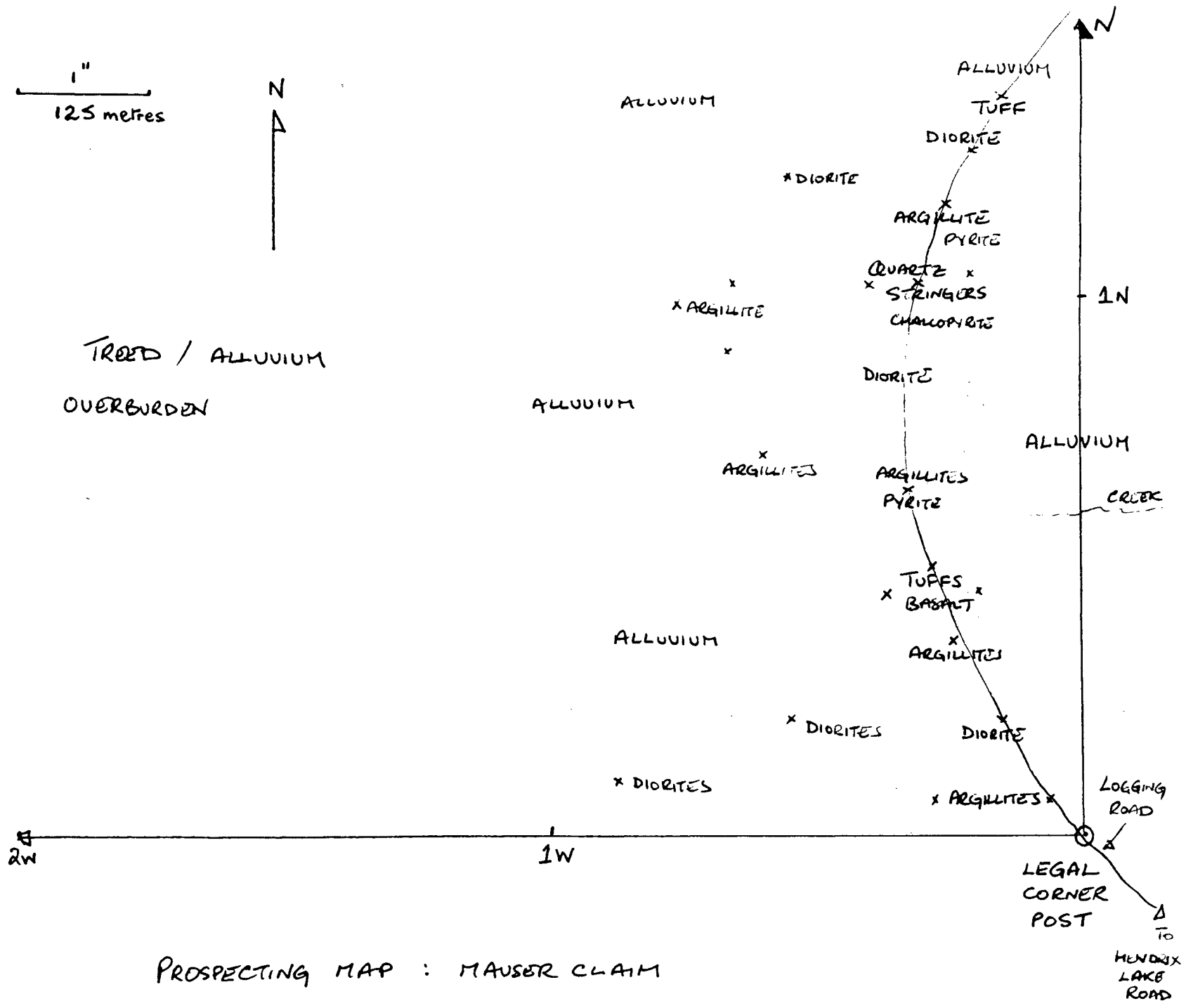
C

C

SCALE : $\frac{1''}{125 \text{ metres}}$



TREED / ALLUVIUM
OVERBURDEN



PROSPECTING MAP : MAUSER CLAIM