

PHYSICAL WORK

Moe 6, 7, 11, 12, 13, and Treadwell
MOE 2, MOE 3, MOE 4, MOE 5, MOE 15, State of Montana

Whitehorse, Evening, Bangor, Black Hawk

New Brunswick, Iceland, Nova Scotia, Crackerjack

Comet, Edan

Atlin M.D.
NTS 114P/10E

Lat: 59° 34'N
Long: 136° 32'W

Owner: Falconbridge Limited
Operator: Falconbridge Limited

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,847

part 3
of 4

John Wilson
October 8th, 1982

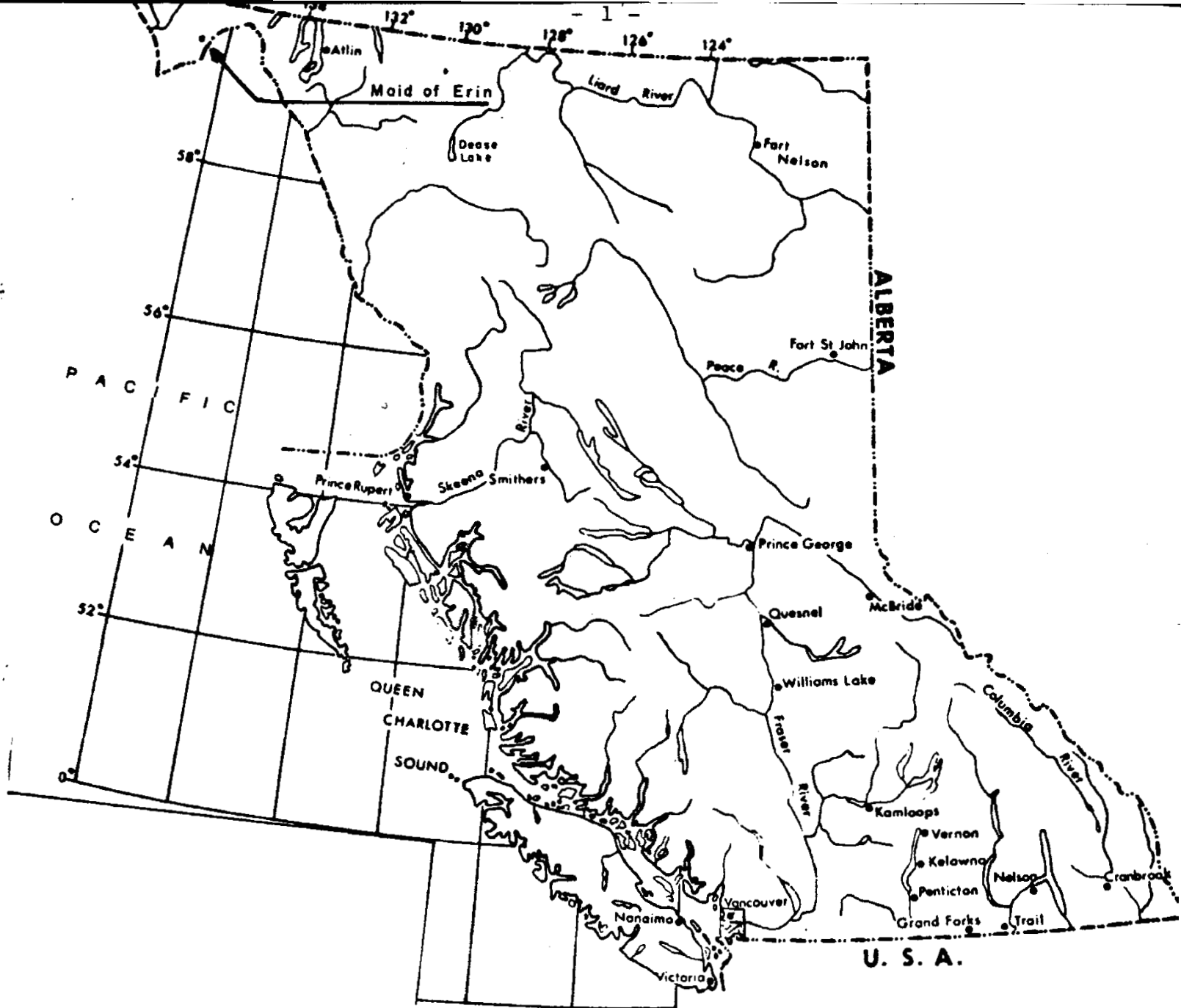
John R. Wilson

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TOPOGRAPHY AND CLAIMS NORTH $\frac{1}{2}$ (015-82-8)....	in pocket at back
TOPOGRAPHY AND CLAIMS SOUTH $\frac{1}{2}$ (015-82-9)....	in pocket at back



INDEX MAP

BRITISH COLUMBIA



SCALE 1: 7 500 000

INTRODUCTION

MOE 6 and MOE 7 (each 20 units) were staked in 1980. Treadwell, a reverted, crowngranted two-post claim was also applied for in 1980. MOE 11 (18 units), MOE 12 (20 units), and MOE 13 (20 units) were staked in 1981. The above claims are now classified as the MOE 6 group. The current owner and operator is Falconbridge Limited.

The claims are in the Coast Mountains, about 18 kilometres northwest from Pleasant Camp on the Alaska - B.C. border. The Haines-Haines Junction Highway is 5 kilometres to the east and an old mining road has been upgraded to provide access onto the ground.

The property contains several crown granted mineral claims that had been worked intermittently since about 1900. The deposits are replacement types occurring in sedimentary rocks (argillites, quartzites, limestones and gneisses) that have been intruded by a large body of granodiorite and quartz diorite. The sedimentary rocks generally strike northwesterly and dip gently to the northeast.

Most skarn deposits carry bornite, chalcocite, pyrrhotite, chalcopyrite, and pyrite. The silver content of the copper rich zones is usually significant.

Although these deposits are normally considered small and erratic, the grade is encouraging. For example, according to K. De P. Watson (B.C.D.M. Bull 25, 1948), early shipments of ore from the Maid of Erin crown grant (157 tons) yielded 77,658 lb. of copper, 5849 oz. of silver and 6 oz. of gold.

Geological, geophysical and geochemical work conducted by Falconbridge Nickel Mines Ltd. in 1981 on some of these claims supported indications of economic potential.

Physical work in 1982 was on all the above claims.

INTRODUCTION

MOE 2 (20 units), MOE 3 (20 units), MOE 4 (18 units) and MOE 5 (20 units) were staked in 1980. Reverted, crown granted two-post claims also applied for in 1980 were State of Montana, Whitehorse, Evening, Bangor, Black Hawk, New Brunswick, Iceland, Nova Scotia, Crackerjack, Comet, and Edan. MOE 15 (10 units) was staked in 1981. The above claims are now classified as the MOE 6 group. The current owner and operator is Falconbridge Limited.

The claims are in the Coast Mountains about 13 kilometres northwest from Pleasant Camp on the Alaska-B.C. border. The Haines-Haines Junction Highway passes through the property and old mining exploration roads provide further access.

The claims contain several crown granted mineral claims that had been worked intermittently since about 1900. The deposits are lenses of massive and disseminated sulphides in skarns. Main ore minerals are sphalerite, galena, and chalcopyrite. Pyrrhotite and pyrite are common.

The deposits are within a roof pendant composed of argillites, quartzites, limestones and gneisses. It is surrounded by Jurassic(?) quartz diorites and granodiorites according to the K. De P. Watson (B.C.D.M. Bull, 25, 1948). Dykes and sills of gabbro and feldspar porphyry also intrude the sediments.

Geophysical and geochemical work was conducted by Falconbridge Nickel Mines Limited in 1981. Results encourage economic hopes for the area despite the small dimensions of known mineralized bodies.

Physical work was performed in 1982 on all the claims described.

PHYSICAL WORK

PHOTOGRAMMETRIC MAPPING (figs. 015-82-8&9)

A topographic map was created by Pacific Survey Corporation, Vancouver, B.C. from existing governmental aerial photography. A pencil manuscript map at 1:5000 scale was produced in December 1981 which was then digitized for computer by H.A. Simons (International) Ltd., Vancouver, B.C.

The map area includes three claim groups held by Falconbridge Limited comprising 292 units/reverted crown granted two-post claims.

CATERPILLAR TRACTOR WORK

A D-6 cat was used to plow snow from the access road and to make two trenches. (fig. 015-82-9)

The road is about 2500 metres in length and 3 to 4 metres wide.

Two trenches were dug with the D-6. One failed to reach bedrock and was backfilled and contoured. Its dimensions were 70 metres in length, 5 metres wide, and a maximum of 3 metres deep. A second trench is 40 metres long, 5 metres wide and up to 1.5 metres deep.

Work was on the MOE 7 claim.

PHYSICAL WORK

PHOTOGRAMMETRIC MAPPING (figs. 015-82-8&9)

A topographic map was created by Pacific Survey Corporation, Vancouver, B.C. from existing governmental aerial photography. A pencil manuscript map at 1:5000 scale was produced in December 1981 which was then digitized for computer by H.A. Simons (International) Ltd., Vancouver, B.C.

The map area includes three claim groups held by Falconbridge Limited comprising 292 units/reverted crown granted two-post claims.

CATERPILLAR TRACTOR WORK

A D-6 cat was used to plow snow from the access road and our campsite, to improve the road by ditching, grading, and installing culverts, and to expose bedrock by widening parts of the road.

The road is about 3600 metres in length and 4 to 5 metres wide. It is well graded, drained, and ditched to reduce runoff erosional problems. (Fig. 015-82-9)

In two places the road was widened by cutting into the bank to expose bedrock. These cuts are 26x3 metres and 36x3 metres in size.

Work was on MOE 4, MOE 5 and several crown granted mineral claims.

STATEMENT OF COSTS

- 7 -

A D-6 cat worked on 2 claim groups during the period June 9 to 29 inclusive. A total of 168 hours were used @ \$60.00/hour \$ 10,080.00

Monthly charge for D-6 cat was 4,000.00

Mobilizing & demobilizing cat was 6,879.72

Total D-6 cost \$ 20,959.72

The D-6 was used on the MOE 6 claims group on June 25, 26 & 27 for a total of 24 hours (14.28% of the total)

Snow plowed 2 trenches - 1 backfilled
14.28% of \$20,949.72 = \$ 2,993.05

Topographic base map prepared by Pacific Survey December 16/81 5,750.00

Cost of digitizing map for computer by H.A. Simons (International) Ltd. April 21/82 1,959.00

Cost of producing one mylar plot 400.00

Total \$ 8,109.00

The map area includes three claim groups held by Falconbridge Limited comprising 292 units and reverted crown granted two-post claims.

The present assessment report is for the MOE 6 group (99 units and reverted crown grants or 33.9% of the total
33.9% of 8109.00 = \$ 2,748.95

Production of Report 150.00

\$ 5,892.00

STATEMENT OF COSTS

A D-6 cat worked on two claim groups during the period June 9 to 29 inclusive. A total of 168 hours were used @ \$60.00/hour \$10,080.00

Monthly charge for D-6 cat was 4,000.00

Mobilizing and Demobilizing cat 6,879.72

Total D-6 cat cost \$20,959.72

The D-6 cat was used on the MOE 4 claims group on June 9 to 24 and 28 to 29 inclusive, a total of 144 hours (85.72% of total)

85.72% of \$20,959.72 = \$ 17,966.67

Topographic base map prepared by Pacific Survey December 16, 81 5,750.00

Cost of digitizing map for computer by H.A. Simons (International) Ltd. April 21/82 1,959.00

Cost of producing one mylar plot 400.00

\$ 8,109.00

The map area includes three claim groups held by Falconbridge Limited comprising 292 units and reverted crown granted two-post claims.

The present assessment report is for the MOE 4 group (99 units and reverted c.g.s) or 33.9% of the total

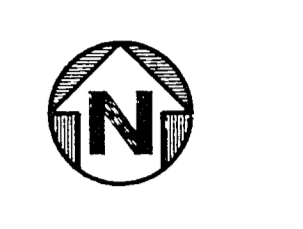
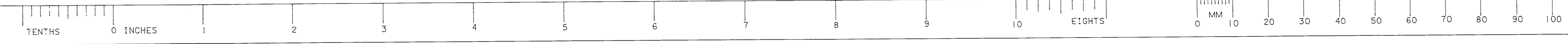
33.9% of \$8,109.00 = 2,748.95

Production of Report 150.00

Total Physical Work \$ 20,865.62

STATEMENT OF QUALIFICATIONS

John R. Wilson graduated from the University of British Columbia in 1972 with a B.Sc. (honours) in Geology. He has worked for the Falconbridge Nickel Mines Limited group of companies and Falconbridge Limited since graduation as a Minerals Exploration Geologist.



- LEGEND:
- Highway
 - Road
 - Claim Boundary
 - Crown Grant

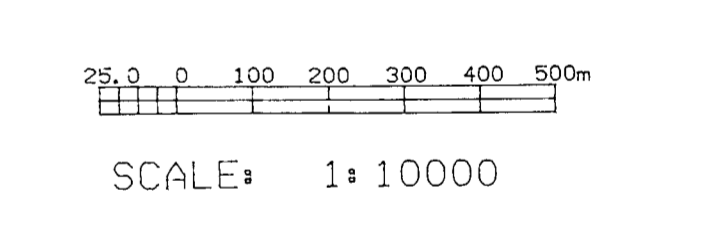
Posts and claim lines located by topographic map and compass

part 3 of 4

GEOLOGICAL BRANCH
ASSESSMENT REPORT

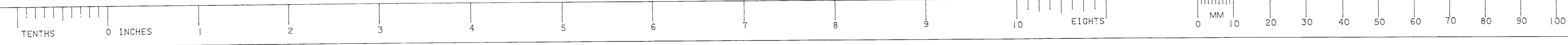
10,847

Contour interval in Metres



FALCONBRIDGE LIMITED	
PROPERTY:	PROJECT NO.
MAID OF ERIN	015
LOCATION:	
RAINY HOLLOW, B.C.	
TYPE OF MAP:	
TOPOGRAPHY and CLAIMS NORTH HALF	
WORKING PLACE	
BASED ON:	
DATE OF WORK:	
DRAWN BY: S. L. NOEL	
DATE: SEPT. 1982	
CAD INTERGRAPH	MAP REF. NO.:
GS3C207, 40 JFALCON.DGN	X86038-207-002-01
N. T. S. NO.: 114-P-9W 10E	
H. A. SIMONS (INTERNATIONAL) LTD. MINING & MINERAL PROCESSING DIV. CONSULTING ENGINEERS VANCOUVER PROJECT CANADA	

A B C D



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

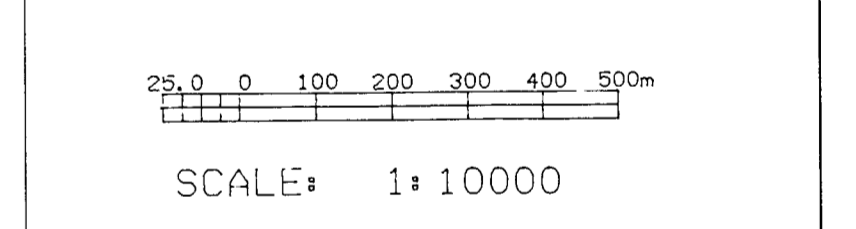
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Part 3 of 4

- LEGEND:**
- Highway
 - Road (Plowed and improved) 1982
 - MOE 81
 - Claim Boundary
 - Crown Grant
 - Trench 1982

Posts and claim lines located by topographic map and compass

Contour Interval in Metres



FALCONBRIDGE LIMITED	
PROPERTY:	PROJECT No.
MAID OF ERIN	015
LOCATION:	
RAINY HOLLOW, B.C.	
TYPE OF MAP:	
TOPOGRAPHY and CLAIMS SOUTH HALF	
WORKING PLACE:	
BASED ON:	
DATE OF WORK:	
DRAWN BY: S.L. NOEL	
DATE: SEPT. 1982	
CAD INTERGRAPH	MAP REF. NO.
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N. T. S. NO.: 114-P-9W 10E	
H. A. SIMONS (INTERNATIONAL) LTD. MINING & MINERAL PROCESSING DIV.	
CONSULTING ENGINEERS PROJECT	
VANCOUVER	CANADA

FIG. NO. 015-92-9

