



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
DRILLING	5591.00

AUTHOR(S) ... D.C. JACKSON ... SIGNATURE(S)

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED ... 11 APRIL 1986 YEAR OF WORK 1985

PROPERTY NAME(S) ... MICHEL

COMMODITIES PRESENT ... -

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN ... -

MINING DIVISION ... FORT STEELE NTS 82 F 15 E

LATITUDE ... 49° 46' LONGITUDE ... 116° 31.3'

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

MICHEL, ANDY, WES, DONNA, SURPRISE, HELEN, VERNE, LILLIAN, SHREWSBURY.

OWNER(S)

(1) D.C. JACKSON (2) VERN KUNTZ 150 Marsden St, Kimberley, B.C.

MAILING ADDRESS

2365 De Wolfe Ave. Kimberley, B.C. VIA 1P8 G. DECK Invermere, B.C.

OPERATOR(S) (that is, Company paying for the work)

(1) same (2) same

FILMED

MAILING ADDRESS

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

The claim appears to be underlain by sediments of the Kitchener Formation. Drilling results are inconclusive.

REFERENCES TO PREVIOUS WORK

DRILLING REPORT ON BRACEBRIDGE GROUP

Fort Steele Mining Division

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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,750

INTRODUCTION:

This assessment report consists of a property description, physiography, access, previous work, object of present work, results, discussion and conclusion. Work location is shown on a map which is included. Results are shown in an included drill-log. The drill-log was done by Mr. Dave Pighin, an employee of Kootenay Exploration in return for the information extracted.

The drilling program was conducted during a period from Aug. 22, 1985 to Sept. 23, 1985. Length of time taken was due to breakdowns of our second-hand drill and also pump problems.

PROPERTY:

The Bracebridge Group is owned by three individuals; G. Deck, V. Kuntz and D. Jackson and it consists of the following mineral claims:

<u>Claim Name</u>	<u>Record No.</u>	<u>Lot No.</u>
Wes	2221	
Donna	2219	
Michel	2220	
Andy	2218	
Surprise	1626	3560
Helen	2274	
Verne	2273	
Lillian	2272	
Shrewsbury	1397	5584

LOCATION AND ACCESS:

The property is located on the West Fork of the St. Marys River approximately 26 Kilometres West of St. Marys Lake in the East Kootenay District of British Columbia, Fort Steele Mining Div.

Co-ordinates of the property are approximately 116 Degrees 30 Min. West Long. and 49 Degrees 45 Min. North Lat.

Access can be gained from South Kimberley (Marysville) via paved road to St. Marys Lake hence good gravel road for another 49 Kilometres.

PHYSIOGRAPHY:

The property lies within the Purcell Range of mountains and the mineral claims exist on both sides of a fairly steep-sided valley. The walls of the valley rise to 8000 feet elevation from the valley floor which is 4000 feet above sea-level.

The main showings strike normal to the valley trend. Work on the property in the past has been confined between the 4000 and 6000 foot level on both sides of the valley.

Vegetation consists of mostly Cedar and Hemlock with dense underbrush on the North-facing slope and mostly Tamarack, Fir and Spruce with some Jackpine and less dense underbrush on the South-facing slope.

Temperature is hot during the summer and drops as low as -40 Degrees in winter. Snowfall and rainfall are moderate.

PREVIOUS WORK:

The main showings on the North side of the valley were discovered in 1895 with the first locations of the Bracebridge and Regina mineral claims on Oct. 26, 1895 by T.H. and Dora Wright. These were followed by the location of the Welcome and Enterprise mineral claims on Aug. 6, 1896 by two Americans, G. Urquhart and N. Millican respectively. These latter two locations were later Crown-Granted and are still owned by decendants of the original locators. The other claims and some since were Crown-Granted also but have either reverted or been cancelled during the last three decades.

Early work consisted of several open-cuts on both sides and 5 adits on the South side plus 2 adits on the North side. The first core-drilling was done by Newmont Mining in 1960 and their core was stored on site. Little mineralization was contained there-in although surface showings in the vicinity of the drill holes are quite heavily mineralized within the main showing. Mineralization on the surface is Galena, chalcopyrite and pyrrhotite.

In 1965 the author acquired the property, except for the Welcome and Enterprise, and optioned it out to Cominco in 1966. Cominco drilled 4 core-holes near the Northern limits of the shear zone at an elevation of 6000 feet. All of these drill holes intersected copper values varying from 0.20% to 3.30% over widths of 5 to 22.5 feet. The best intersection was in DDH1A through 14.5 feet assaying 3.30% Cu.

In 1967 Pharaoh Mines Ltd. optioned the property and executed a program of bull-dozer trenching, road building and percussion drilling. 4 holes, 30-40 feet long were drilled at about the 4600 foot elevation on the North side of the valley. This work confirmed presence of a continuous shear zone carrying variable amounts of copper and low silver values.

The property was again optioned by Meridian Resources Ltd. and in 1973 F. Holcapeck, Prof. Eng., completed a property examination on behalf of Cream Silver Mines Ltd. Following this, in 1976, he did a Geological and Geophysical study on behalf of Meridian Resources Ltd. and submitted his report which is on file as No. 6206 in the Department of Mines and Petroleum Resources.

Some further work was done in 1981, consisting of re-opening of roads and attempting unsuccessfully to extend the road to the 6000 foot workings on the North side of the valley.

OBJECT OF PRESENT WORK:

To obtain drill-cores from the shear zone at approximately the 4400 elevation on the North side of the valley. The spot was chosen as the only spot where we could drive to with our 2 wheel drive trucks. Also we had no drill casing and at this spot the bedrock was close to the surface.

STATEMENT OF COSTS

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PERSONNEL:

Personnel consisted of V.Kuntz and D.Jackson. Our costs are based on allowable costs and actual costs. Equipment, Wisconsin powered diamond drill machine, gas driven pump, crawler backhoe loader, rods, tools bits, trucks (2 wheel drive half tons), hoses owned by us. We allowed \$15/hr. for Jackson's and \$10/hr. for Kuntz's labour on work other than driving equipment or drilling. For work done by the crawler loader we allowed \$56/hr. and for drilling Ax core holes we allowed \$20/ft. For the trucks we allowed \$25/day when used.

Allowable costs:

Mobilization, moving drill, rods, etc.	2 men-11 hrs.	\$ 220.00
Truck	18 days @ \$25	450.00
Crawler loader building road to creek, moving drill, hauling drill water in 200 gal. tank, etc.	23 hrs. @ \$56	1,288.00
Labour Cementing sump, build dam, drill positioning and anchoring, install tripod, maintenance and repair to equip.	25 hrs @ \$15 & 36 hrs @ \$10	735.00
Core drilling	96 feet @ \$20	1,920.00
Drilling anchor bolt holes	12 feet @ \$20	240.00
Demobilization	2 men 2 hrs.	50.00
Drill logs		150.00
This Report		<u>150.00</u>
	Sub-total	5,203.00
Actual costs:		
Gasolene, oil for drill and pump motors		60.00
Cost of trucking crawler-loader out		<u>100.00</u>
	Sub-total	160.00
	Total Value	<u>5,363.00</u>

Drill Hole Record



Property BRACEBRIDGE District Fort Steele Hole No. V2
 Commenced August 22, 1985 Location West Fork St. Mary River Tests at Hor. Comp. 49'0"
 Completed September 23, 1985 Core Size AX Corr. Dip 40° Vert. Comp. 41'1"
 Co-ordinates Lat: 49° 45' Long: 116° 30' True Brg. 283° Azimuth Logged by D.L. Pighin
 Objective % Recov. Date March 12, 1986

Claim MICHEL M.C.

T Brg. 283° Azimuth

Collar Dip 40°

Elev. 4300 ft.

Length 65'4"

Hole No. 102 Sheet 1 of 1

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Footage		Description	Sample No.	Length	Analysis			
From	To							
0'	2'0"	Overburden						
2'0"	65'4"	Phyllitic argillaceous siltite, slightly dolomitic, strongly sericitic, generally light gray with black argillaceous interbeds, very thinly bedded, contacts are sharp and finely corrugated due to micro cleavage parallel to micro folds axis. Fold axis and cleavage is generally normal to core. Some scattered thin dark brown sideritic beds throughout section. Bedding to core 70° at 12'0", normal to core at 25'0", 70° at 30'0", parallel to core from 40'0" - 43'0", 30° to core at 44'0", 82° at 52'5", parallel to core at 53' and 60° to core at 62'0".						
		3'0" - 7'7" Abundant thin quartz-siderite veins parallel to foliation, minor pyrite mineralization.						
		37'0" - 48'0" Scattered chlorite banding parallel to bedding hosts weakly disseminated pyrrhotite and chlorite.						
		52'0" - 55'0" Phyllitic siltite, weakly dolomitic, strongly sericitic, light tan with thin dark brown sideritic interbeds.						
		END OF HOLE AT 65'4"						
		Core stored at Sullivan Mine, Kimberley, B.C.						

Drill Hole Record



Property BRACEBRIDGE District Fort Steele Hole No. V1
 Commenced August 1, 1985 Location West Fork St. Mary River Tests at --- Hor. Comp. 23.0 ft
 Completed September 23, 1985 Core Size AX Corr. Dip 44° Vert. Comp. 22.2 ft
 Co-ordinates Lat: 49° 45' Long: 116° 30' True Brg. 073° Logged by D.L. Pighin
 Objective % Recov. 77.0% Date March 12, 1986

Claim

MICHEL M.C.

T Brg. 073° Azimuth

Collar Dip 44°

Elev.

4300 ft.

Length 30'11"

Hole No. V1 Sheet 1 of 1

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Footage		Description	Sample No.	Length	Analysis
From	To				
0'	3'6"	Overburden			
3'6"	30'11"	Phyllitic dolomitic siltite; strongly sericitic, light gray with gray and buff banding, thin to very thin bedded, contacts are sharp and finely corrugated due to micro cleavage and associated micro folds. Widely scattered finely disseminated pyrite throughout the section.			
		3'6" - 6'9" Rubbly core consisting mainly of quartz siderite buttons, containing weak chalcopryrite mineralization. Core loss in this interval is 2'6".			
		16'5" to 18'6" Quartz vein with minor siderite; parallel to bedding, hanging-wall 40° to core and footwall parallel to core axis. The vein hosts an est. 20 to 40% chalcopryrite, with minor pyrrhotite.			
		20'7" - 24'7" Silicified zone; contains widely scattered chalcopryrite and minor pyrrhotite dissemination, small quartz-siderite veins and lenses which parallel bedding, siderite veins and small lenses contain abundant chalcopryrite and lesser pyrrhotite, estimated grade from 20'7" - 24'7" is 0.8% Cu. Bedding at 24'7" is parallel to core.			
		END OF HOLE at 30'11"*			
		Core stored at Sullivan Mine, Kimberley, B.C.			

D.L. Pighin

COMINCO LTD.


EXPLORATION

WESTERN DISTRICT

STATEMENT OF QUALIFICATIONS

D.L. PIGHIN has personally conducted many types of mineral exploration work for Cominco Ltd. over the last twenty years.

I consider him well qualified to prepare this report.



D. ANDERSON, P.Eng.
Project Geologist

DISCUSSION AND CONCLUSION:

Our drill core indicates that copper mineralization was weak for the total length of core obtained. In hole V1 we drilled through about 18" of solid sulphide but unfortunately had a plugged bit without realizing and retrieved no core in the first three feet or so. Drill water was very black that was flowing out of the hole during this time. The heaviest mineralization appeared to exist in quartz-siderite lenses parallel to the bedding. Sub-surface bedding seems to exhibit minor folding according to core examination.

CORE STORAGE:

The core is stored at the Sullivan Mine, Kimberley, B.C., in Cominco core sheds.

RESULTS:

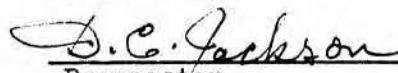
Core logs are part of this report, pages 4 and 5 along with certification of core logger as page 6.

QUALIFICATIONS OF AUTHOR:

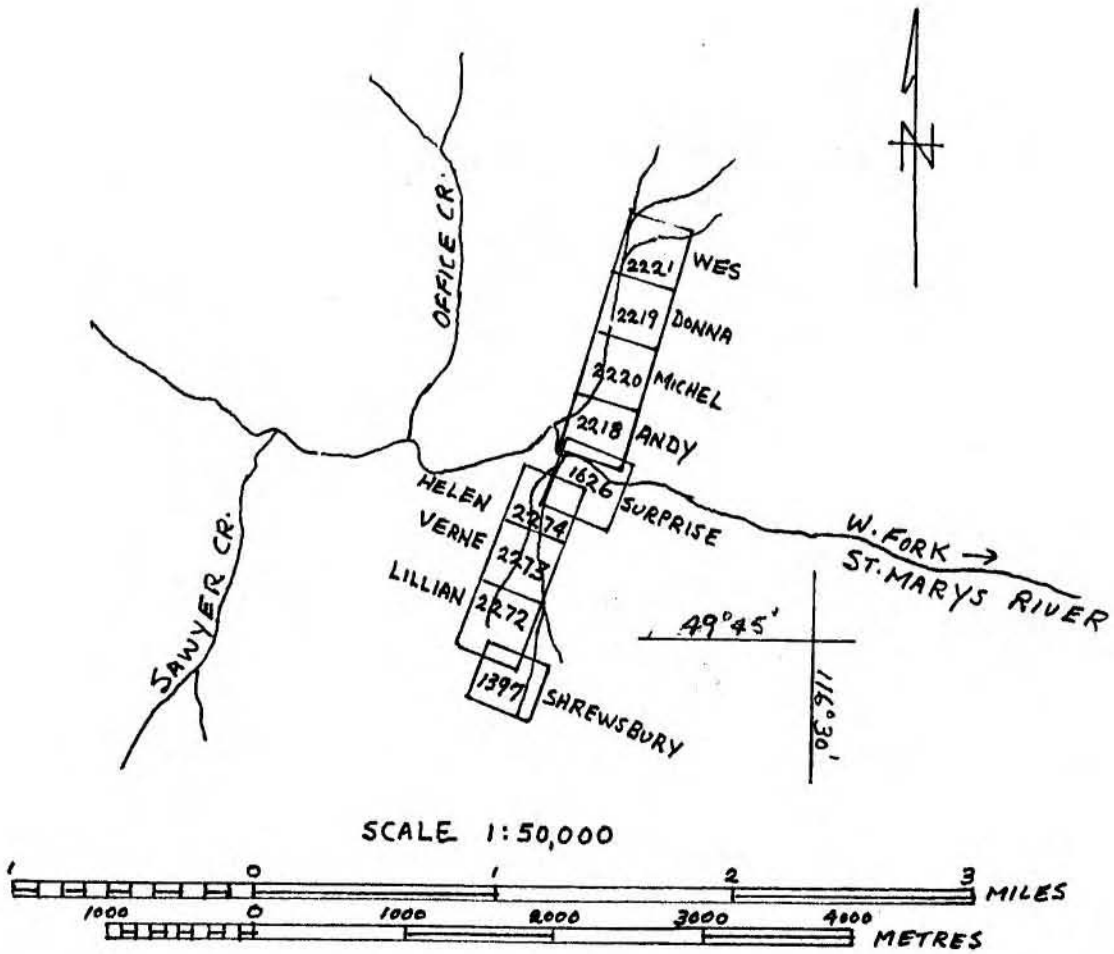
I have been prospecting for 35 years in my spare time. During this time while employed by Cominco as a Technician in Engineering I took full advantage of the Cominco library where there were a complete set of Minister Of Mines Reports plus a variety of Geological information. I was also assisted in the matter of mineral identification by Cominco geologists who worked in nearby offices. I attended night classes in Geology and Prospecting during those years. In 1961 I was in charge of a drill crew and the camp for a 6 month period for Cominco Exploration. During this period I logged close to 4000 feet of drill core. Although it was officially logged later by a professional Geologist I was told I had done a good job. (See Minister of Mines and Petroleum Resources Report for year ended Dec. 31, 1961-P10). Since my retirement in 1983 I worked for Fenway Resources for a short time doing a magnetometer survey and some prospecting..

I respectfully submit this Drilling Report in hopes it will be accepted for assessment purposes.

Your, s truly,


Prospector

INDEX MAP - REF. KASLO 82F/15 E



Jackson

LOCATION MAP - CORE HOLES

CORE STORED AT COMINCO STORAGE - KIMBERLEY

