

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

PERCUSSION DRILLING REPORT

VINE 39 CLAIM

Fort Steele Mining Division

Palmer Bar Creek Area

N.T.S. 82G/5W

Lat: 49° 27' 20"

Long: 115° 51' 32"

OWNER

Cominco Ltd.

Kootenay Exploration
1051 Industrial Road No. 2
Cranbrook, B.C.
V1C 4K7

Work Performed During March 1982

Reported By:

D.L. Pighin
Geologist

Under the Supervision of:

D. Anderson
Project Geologist

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO. 10,220

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

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EXPLORATION

WESTERN DISTRICT

PERCUSSION DRILLING REPORT

VINE 39 MINERAL CLAIM

Fort Steele Mining Division

1.00 GENERAL STATEMENT

This report outlines the results of Percussion hole drilling on the Vine 39 mineral claim.

Percussion drilling was done between February 24, 1982 and March 12, 1982.

Total expenditures related to the percussion drilling program amounted to \$16,236.66.

It is requested that \$16,200.00 be applied as follows:

Vine 16 - 20 units - 1 year -	\$4,000.00
Vine 21 - 16 units - 1 year -	3,200.00
Vine 39 - 20 units - 2 years -	4,000.00
Vine 40 - 10 units - 2 years -	2,000.00
Vine 43 - 15 units - 2 years -	<u>3,000.00</u>
	\$16,200.00

2.00 INTRODUCTION

2.10 Status of Ownership

The Vine 39 claim is 100% Cominco owned.

2.20 Location and Access

The Vine 39 claim is located 6 kilometers SW of Cranbrook, B.C. Access to the drill site may be gained via Highway 3/95 and approximately 1 kilometer of rough bush road.

The collar of D.H. V82-2 is located on Mineral Claim Vine 39 at Latitude 49° 27' 20" and Longitude 115° 51' 32".

2.30 General Character of the Area

The relief on the Vine 39 claim is flat to moderately rolling. Elevations range between 1000m and 1140 meters. The area was logged prior to 1920. Natural regeneration has reforested the area to stands of Lodgepole Pine, Ponderosa Pine, Douglas Fir and Larch.

3.00 PERCUSSION DRILLING

One percussion hole V82-2 totalling 158.5 meters was drilled as the start for a diamond drill hole to be completed later. The lower costs of drilling in this manner compared to diamond drilling are attractive.

The limitation imposed by this type of drilling is the type of sample return. The very fine chips are impossible to work with to determine the geology of the hole. In fact the Aldridge Formation, which was drilled in this hole, is impossible to categorize or describe from small chips. The rocks of the Middle Aldridge encountered in this hole are all quite similar with no stratigraphic breakdown possible. Chip sampling was done during the course of the drilling but did not provide geological details and no sulfide indications were encountered

In summary percussion hole V82-2 drilled 46 meters of alluvial gravel and sand, from 46 meters to 68.5m Middle Aldridge sediments, from 68.5 to 109.1 meters Gabbro and from 109.1 to 158.5 meters Middle Aldridge sediments.

EXHIBIT "A"

STATEMENT OF EXPENDITURES

PERCUSSION DRILLING - VINE 39 CLAIM (20 units)

FORT STEELE MINING DIVISION

Percussion Drilling - Indirect

Salaries

D.L. Pighin - Geologist, field, planning and Supervision - 10 days @ \$175/day	\$ 1,750.00
D.L. Pighin - Geologist, Report and map preparation - 2 days @ \$175/day	350.00

Access And Drill Site Construction

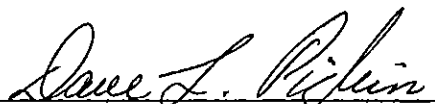
Bearcat Contracting (D7G Caterpillar) 10 hrs. @ 74/hr.	740.00
Henderson Heavy Hauling - 4 hrs @ 59.25/hr.	237.00
Permits	<u>45.00</u>
Total Indirect	\$ 3,122.00

Percussion Drilling - Direct

Owen's Drilling Ltd., RR #3, Nelson, B.C. V1L 5P6

Overburden Drilling, 6" Steel Casing installed	
46 meters @ \$72.20/m	\$ 3,321.20
112.5 meters @ 59.04/m	6,642.00
One Drive shoe @	<u>125.00</u>
Total Direct	\$10,088.20
Plus 30% PAC	<u>3,026.46</u>
	\$13,114.66

Total Expenditures - Indirect -	\$ 3,122.00
Total Expenditures - Direct -	<u>13,114.66</u>
	\$16,236.66


D.L. PIGHIN, Geologist

IN THE MATTER OF THE

B.C. MINERAL ACT

AND

IN THE MATTER OF A PERCUSSION DRILL PROGRAMME

CARRIED OUT ON THE VINE 39 MINERAL CLAIM

PALMER BAR CREEK AREA

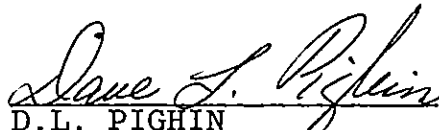
in the Fort Steele Mining Division of
the Province of British Columbia

More Particularly N.T.S. 82G/5W

A F F I D A V I T

I, D.L. Pighin, of the City of Cranbrook, in the Province of British Columbia, make Oath and say:

1. That I am employed as a Geologist by Cominco Ltd. and as such, have a personal knowledge of the facts to which I hereinafter depose:
2. That annexed hereto and marked as Exhibit "A" to this my Affidavit is a true copy of expenditures incurred on a Percussion Drill programme, on the Vine 39 Mineral Claim.
3. That the said expenditures were incurred between the 24th day of February, 1982 and the 12th day of March, 1982 for the purpose of mineral exploration on the above noted claim.


D.L. PIGHIN
Geologist

COMINCO LTD.

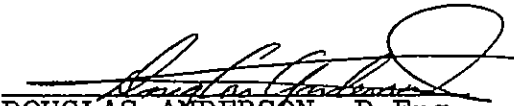
EXPLORATION

WESTERN DISTRICT

STATEMENT OF QUALIFICATIONS

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

I consider him well qualified to prepare this report.


DOUGLAS ANDERSON, P.Eng.
Project Geologist

Report by:

Dave L Pighin
D.L. PIGHIN
Geologist

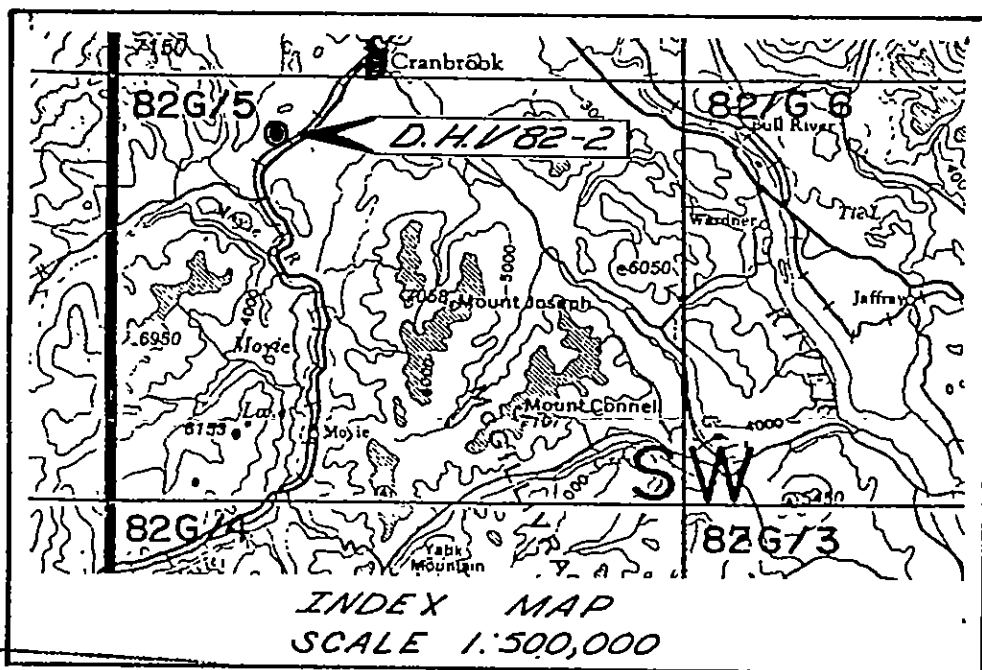
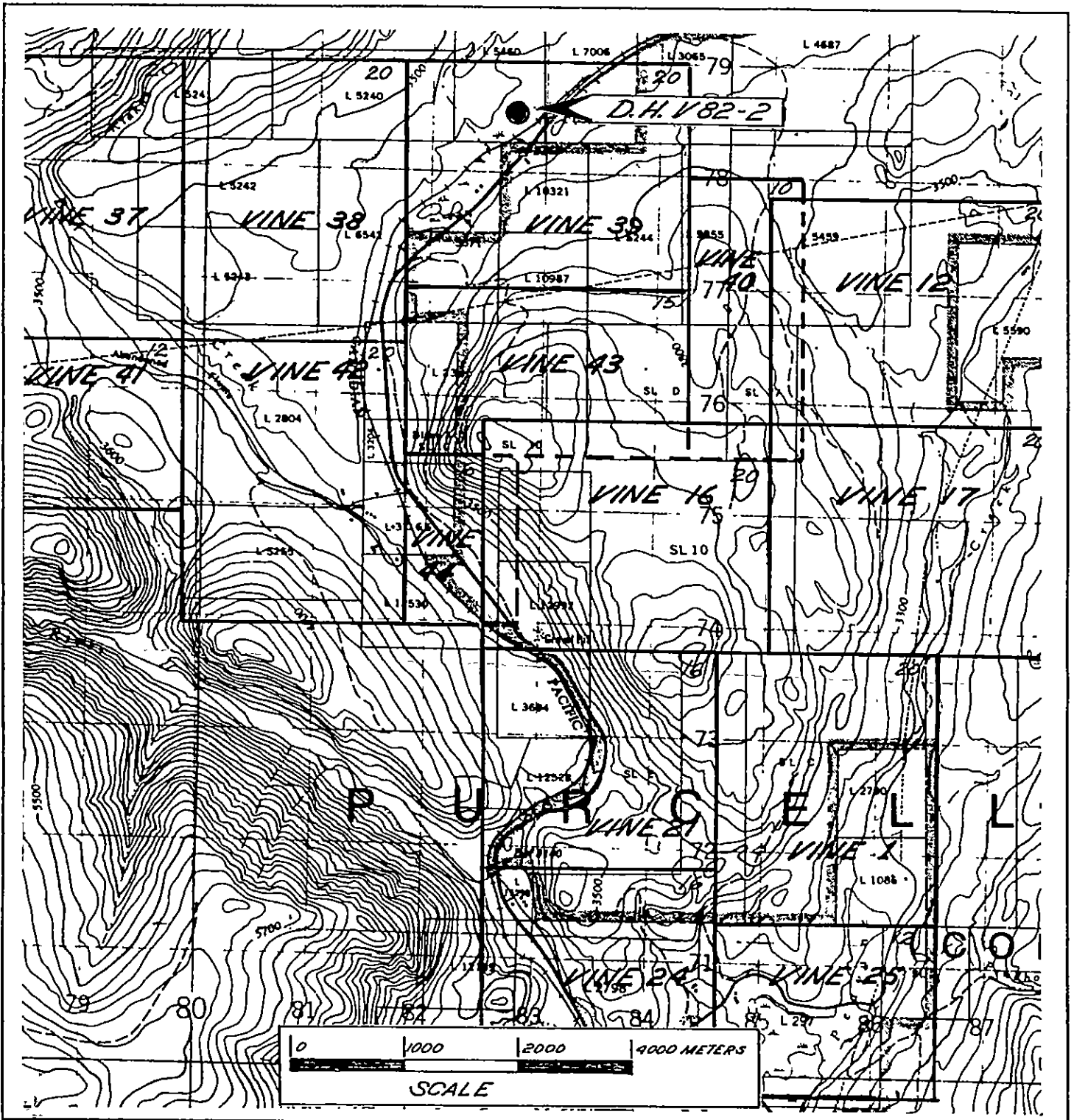
Endorsed by:

D. Anderson
D. ANDERSON, P.Eng.
Project Geologist

Approved for
Release by:

John Hamilton
J.M. HAMILTON, P.Eng.
Chief Geologist
Sullivan Mine

cc: ✓ Mining Recorder, Cranbrook, B.C. (2 copies)
Western District, Exploration
Kootenay Exploration



MINERAL RESOURCES L.S. NCH			
Drawn by:	Date:	Traced by:	Date:
D.L. Pighin		REPORT	
Revised by:	Date:	Revised by:	Date:
10,220			

VINE 39 MINERAL CLAIM
PERCUSSION DRILL HOLE V82-2

Scale: 1:50,000

Date: March 12 1982

Plate: