

82-162-10221

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

PERCUSSION DRILLING REPORT

VINE 37 CLAIM

Fort Steele Mining Division

Palmer Bar Creek Area

N.T.S. 82G/5W

Lat: 49° 26' 43"

Long: 115° 54' 42"

OWNER

Cominco Ltd.

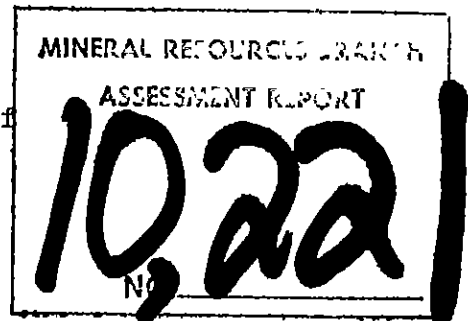
Kootenay Exploration
1051 Industrial Road No. 2
Cranbrook, B.C.
VIC 4K7

Work Performed During August 1981

Reported By:

D.L. Pighin
Geologist

Under the Supervision of
D. Anderson
Project Geologist



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EXPLORATION

WESTERN DISTRICT

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COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

PERCUSSION DRILLING REPORT

VINE 37 MINERAL CLAIM

Fort Steele Mining Division

1.00 GENERAL STATEMENT

This report describes the results of Percussion hole drilling on the Vine 37 mineral claim.

Percussion drilling was performed during August 10th to August 19th, 1981.

Total expenditures related to the percussion drilling program amounted to \$18,693.00.

It is requested that \$18,200.00 be applied as follows:

Vine 37 - 20 units - 2 years -	\$4,000.00
Vine 38 - 20 units - 2 years -	4,000.00
Vine 41 - 12 units - 2 years -	2,400.00
Vine 42 - 20 units - 3 years -	6,000.00
Vine 44 - 6 units - 3 years -	1,800.00
	<u>\$18,200.00</u>

It is requested that \$493.00 be credited to Cominco P.A.C. account.

2.00 INTRODUCTION

2.10 Status of Ownership

The Vine 37 mineral claim is 100% Cominco owned.

2.20 Location and Access

The Vine 37 claim is located 11 kilometers SW of Cranbrook, B.C. Access to the claim from Cranbrook, B.C. may be gained via Highway 3/95 and rough bush road to drill site. Relief on the claim ranges from 1000m. to 1200m.

The Drill hole collar is located on Latitude 49° 26' 43" and Longitude 115° 54' 42".

2.30 General Character of the Area

The relief on the Vine 37 claim is flat to moderately steep. Elevations range between 1000 to 1200 meters. The area was logged off prior to 1920. Natural regeneration has reforested the area to stands of Lodgepole Pine, Ponderosa Pine, Douglas Fir and Larch. In the 1930's gravel benches along Palmer Bar creek were worked rather extensively for Placer gold.

3.00 PERCUSSION DRILLING

One percussion drill hole V-81-1 totalling 167 meters was drilled as the start for a diamond drill hole to be drilled 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 then, hole V-81-1 drilled 7.5 meters of alluvial gravel and 159.5 meters of Middle Aldridge sediments.

EXHIBIT "A"

STATEMENT OF EXPENDITURES

PERCUSSION DRILLING - VINE 37 CLAIM (20 units)

FORT STEELE MINING DIVISION

Percussion Drilling - Indirect

Salaries

D.L. Pighin - Geologist, field, planning and supervision - 12 days @ \$175/day	\$2,100.00
D.L. Pighin - Geologist, Report and map preparation - 2 days @ \$175/day	350.00

Access and Drill Site Construction

Bearcat Contracting (D7 caterpillar)	1,363.00
Mobilization - Caterpillar Henderson Heavy Hauling	<u>260.00</u>
	\$4,073.00

Percussion Drilling - Direct

Kootenay Well Drilling, 2709 Wildwood N.W., Cranbrook, B.C.
VIC 4H3.

D.H. V81-1 - 167.7 meters @ 55.75/m	\$9,350.00
Steel bedrock liner installed 143.0m @ \$32.86/m	4,700.00
6" casing installed 7.5m @ \$28.10/m	210.00
8" casing installed 7.5m @ \$28.10/m	210.00
2 drive shoes (6"/8")	<u>150.00</u>
	\$14,620.00

Total Expenditures - Indirect - \$ 4,073.00
Total Expenditures - Direct - 14,620.00

\$18,693.00


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 37 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 37 Mineral Claim.
3. That the said expenditures were incurred between the 10th day of August, 1981 and the 19th day of August, 1981 for the purpose of mineral exploration on the above noted claim.


D.L. PIGHIN
Geologist

COMINCO LTD.

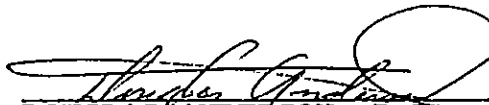
EXPLORATION

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.

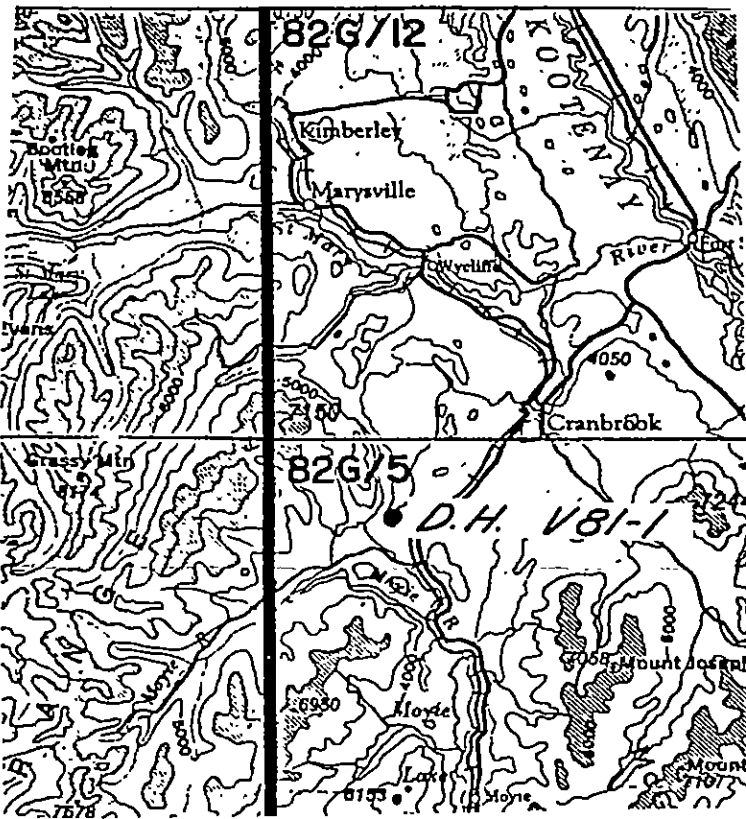
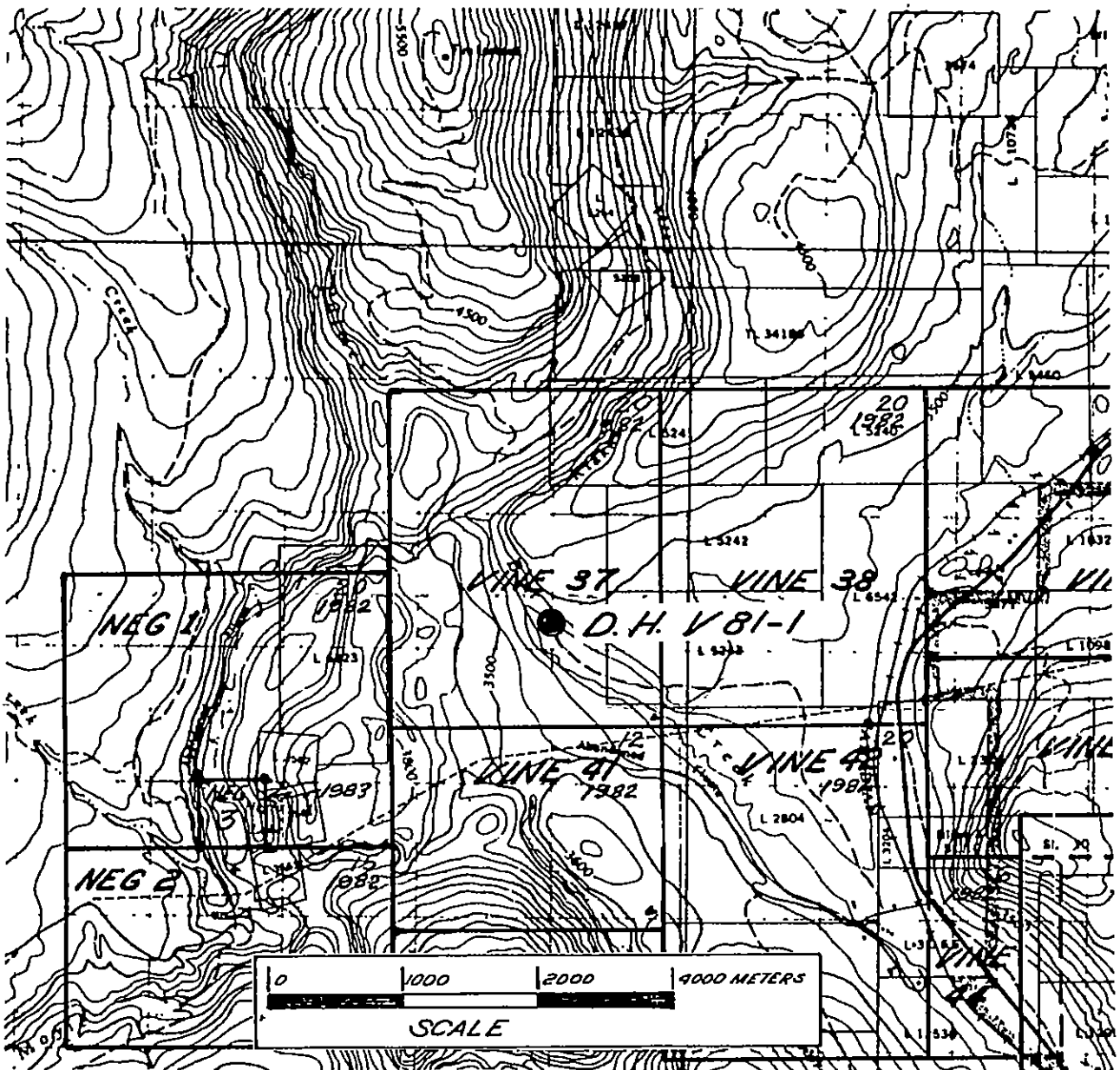

DOUGLAS ANDERSON, P.Eng.
Project Geologist

Report by: D.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



KEY MAP
1:500,000



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,221
NO. Common

Drawn by: M.W.-M.	Traced by:
Revised by	Date
Revised by	Date

*PERCUSSION HOLE V81-1
VINE 37 MINERAL CLAIM*

Scale: 1:50,000

Date: FEB, 1982

Plate: