DIAMOND DRIIJ.ING REPORT

## on

VINE NO, 1 (CLATM
NTS $826 / 5 \mathrm{w}$


SEP 51978
GOLD COMMISSIONER FORT STEELE MINING DIVISION CRANBROOK. B.C.

Fort Steele Mining Division

August 1978

Latitude: $115^{\circ} 50{ }^{\prime}$
Longitude: $49030^{\prime}$

Report by:
C. J. WEBBER Geologist

Kootenay Fxploration 2450 Cranbrook Street Cranbrook, B.C. VIC 3 T4

Under the supervision of:


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WESIERN DISTRICT
VINE GROUP 1
Fort Steele Mining Division

## GENERAL STATEMENT

This report describes the results and expenditures relating to diamond drilling on the Viue No. 1 claim.

Diamond drilling was performed during June lst, 1978 and August 31st, 1978.

Total expenditures relating to this diamoud drill program anounted to $\$ 79,434$.

It is requestod that $\$ 16,800$ be appliex as follows:
Vine 25 (12 mits) at $\$ 200-7$ years $\$ 16,800$.
It is requested that $\$ 62,634$ be credited to Cominco PAC account.
INTRODUCTION

## General

Two diamond drill holes, totalling 880 m were drillat to test stratigraphy and $\mathrm{Cu} / \mathrm{Pb} / \mathrm{Zn}$ vein miseralization cxposed on Vine \#l claim and a coincident VLF-EM anomaly. The holes were completed between June lst to August 31, 1978 by Shepherd Enterprises litd. Plate \#v-77-21 shows plan location of cach hole.
D.D. Hole $\mathrm{V}-78-1$ : intersectel $1-2 \%$ pyrrhotite dessiminated parallel to bedding between 540.5 and 544.0 meters. This interval also contained $1 \%$ disseminatod sphalcrite over six centimeters, starting at 541.0 meters.
D.D. Holc V-78-2: failed to intersect the down dip extension of the $\mathrm{Pb} / \mathrm{Zn}_{n}$ vein and associated gabbro dyke which had been exposed by trenth No. 2 and intersectel by D.D. Hole V-77-2.

The drill program was under the direction of E. F . Batchelor and supervised by E.A.U. Parviainen.

Location ank Access
The centre of the claim block is approximately 12 km SSW of Cranbrook. Access to all parts of the property is excellent via secondary gravel roads leading from Highway $3 / 95$. The C.P. Rail line and B.C. Hydro high voltage transmission line also cross the property. The elevation of the property ranges from 935 to 2140 m .

## STATEMENT OF EXPENDITURES

VINE NO. 1 CLALM
Diamond Drilling - Indirect
Salaries: (field)
E.W. Batchelor (Geologist) 21 days e $\$ 117$ day E.A.U. Parviainen (Geologist) 10 days $9 \$ 130$ day
\$ 2,457.00 ..... 1,300.00
Salaries: (office)
G.L. Webber (Geologist) report $\ddagger$ map preparation 3 days a $\$ 102$ day ..... 306.00
Core Boxes: - Cranbrook Achievement Centre 210 boxes @ $\$ 6.75$ each ..... $1,417.50$
Transportation:
Ford $4 \times 41 / 2$ ton - 1.5 months a $\$ 600 /$ month including gas ..... 900.00
Diamond Drilling - Indirect - Drill Support
F. Joluson - D7 (17-A) l'ractor and water supply truck Access move and water supply ..... 3,207.50
Henderson Ileavy Hauling
Moving Diamond Drill equipment. ..... 207.00
Diamond Drilling - Direct
Shepherd Fiterprises Ltt. - 1215 w. 7th Ave., Vancouver, BC.
$\$ 46,533.00$
DD Hole V-78-2 - 328.5 m a $\$ 70.34 / \mathrm{m}$ ..... 23,106.00\$69,639.00
TOTAN, FXPENDITURES
Diamond Drilling - Indirest 9,795.00
Diamond Drilling - Direct --69,639.00

$$
\$ 79,434,00
$$

This is Exhibit " A " to the Statutory Declarationof G.L. WEBBER declared before me this
$\qquad$ day of $\qquad$ , 1978.

[^0]IN THE MATTER OF THE
B.C. MINERAL ACT

ND
IN THE MATTER OF A DTAMNNI DRIII. PROGRMA
CARRIED OUT ON THE VINE 1 MINERAL CLAIM
PEAVINE CREEK AREA
in the Fort Steele Mining Division of the Province of British Columbia

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

AFFIDAVIT

I, Gil. WEBBER, of the City of Kimberley, 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 diamond drill programme, on the Vine l Mineral Claim.
3. That the said expenditures were incurred between the lIst day of June, 1978 and the 31st day of August, 1978, for the purpose of mineral exploration on the above noted claim.

Sworn Before Me at in the Province of Brutish Columbia, this -7 day of
 , 1978.

A Commissioner fora king Affidavits in the Province of British Columbia.


SUMARY DRILL LOGS
See Sections on Plate 1.
DNH V-78-1
metres
0 -
3.6 -
36.6
Cused: Overburden
36.6 - 37.3 Argillito
37.3 - 42.8 Quartzitic Wacke
42.8 - 43.4 Argillite
43.4-99.9 Quartzitic Wacke
99.9 - 142.3 Wacke
142.3 - 146.3 Fault Zone
146.3 - 176.0 Quartzitic Wacke 160.7 to 161.6 Wacke
176.0 - 179.1 Quart2 macke
179.1 - 282.3 Quartzitic Wacke/Argi11ite e 200.6 to 201.8/205.8 to 206.5/ 224.8 to 226.7.

Fault Zone 243.0 to 260.4 .
282.3-284.7 Quartz Wacke
284.7 - 452.6 Quartzitic hacke 294.8 to 296.6 Subwacke.
326.6 to 349.5 Fault zone; 358.7 to 359.4 Fault zone;
392.4 to 394.5 Quartz veins.
252.6-453.7 Quartz arenite
453.7 - 482.6 Quartzitic Wacke
482.6-525.2 Subwacke/Argillite. 491.7 to 521.9 Wacke.
525.2 - 530.2 Quartzitic Wacke
530.2 - 531.3 Subwacke
531.3 - 551.8 Quartzitic Wacke. 535.5 to 544.6 subwacke;
551.8 ERD OF HOLE.

Core stored at Sullivan Mine property, Kimbor1cy, B.C.

DDA V-78-2
meters
0 - 3.0 Casing: Overburden
3 - 106.6 Quartzitic 梳acke.
49.1 to 50.8 - chloritic; 56.6 to $58.2 / 60.4$ to $61.6 /$
65.8 to $66.2 / 89.7$ to $92.7 / 95.5$ to 96.5 - Fault Broceja.
106.6-107.4 Quartz vein
107.4 - 110.3 Fault Zone
110.3 - 168.8 Quartzitic Wacke
168.8 - 170.5 Fault Breccia

SPERRY SUN CAMERA SITRUEYS
170.5-188.8 Wacke
188.8 - 192.8 Quartzitic Wacke
192.8 - 199.7 Wacke
197.7 - 216.2 Wacke/subwacke

| fopth (m) | Azintat | Dij |
| :---: | :---: | :---: |
| [ | 2100 | -650 |
| 167 | $223^{\circ}$ | -68 ${ }^{\circ}$ |
| 229 | $228{ }^{\circ}$ | -710 |
| 304 | $232^{\circ}$ | $-72^{\circ}$ |

216.2-235.9 Wacke
$304 \quad 232^{\circ} \quad-72^{\circ}$
235.9 - 280.2 Quartzitic wacke
280.2 - 328.0 Hacke
328.0 DND OF HOLF.

Core stored at Sullivan Mine property - Kimberley, B.C.


APPROVED JOR RELEASE BY:


## STATEMENE OF QUALIFICATIONS

E.K. BA'CCIELOR graduated from U.B.C. Uuring 1966 with a B.A.Sc degree in Geological Engineering.

Since that time he has been employod in various phases of base metal exploration.

He is registered as a Professional Engincer in British Columbia (Reg. No. 11335).


## STATEMENT OF RUALIFICATIONS

G.L. WEBBER has personally conducted many types of mineral exploration work for Cominco Ltd. over the last twenty-five years.

I consider him well qualified to prepare this report.

Diamond Drill Geological Log










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[^0]:    A Conmissioner for taking Affidavits for the Province of British Columbia.

