

REPORT ON DRILLING OF

HOLE B-1

ON PAR CLAIMS - NICOLA MINING DIV.  
B.C.

# 5760

10<sup>th</sup> DECEMBER, 1975

5760

#1

SURFACE PLAN OF PAR CLAIMS

#2

TOPOGRAPHIC MAP

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 5760 MAP X

Summary to:

Mr. Andrew Robertson  
1400 - 1055 West Georgia Street, Vancouver, B.C.

Re: Diamond Drilling of Hole #B1 for assessment work purposes on the  
"PAR CLAIMS", Nicola Mining Division.

1. As per your instructions a start was made on the drilling of a hole to a proposed depth of 400 feet for assessment work purposes on the PAR claims. This work was undertaken by: Wink International Exploration Drilling Ltd. of 4814 Dogwood Drive, Delta, B.C. The equipment employed was a prototype "Winkie Badger", all hydraulic drill using B.Q., wire line, rods and core barrel.

This was the first attempt to actually drill with this equipment. This made a slow start due to numerous adjustments being required. After the machine had been adjusted to the satisfaction of the operators, it was operated at full capacity until the hole was just over 100 feet when the motor failed. The operation of the drill was very satisfactory but the power unit proved too light.

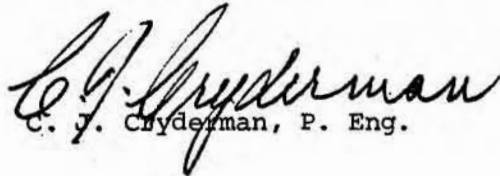
2. The hole is designated #B1 as the start of a new series of holes. The hole was collared in an old bulldozer trench 135 feet S. 15° W. ast. of the N.E. Cor. Cl. PAR #4. The hole was cased for 5.0' through glacial till and gossan. The first 5.0' of core recovered was weathered material containing some pyrite. The accompanying core log describes the rocks and mineralization encountered in the hole. When the motor on the drill failed and the equipment was moved off; the casing including the casing shoe was left in the hole to keep it open so a machine can be re-set and the hole deepened to the proposed depth of 400 feet.
3. All of the rock encountered in this hole is mineralized to some degree and the core from 5.0 feet to 100.0 which has been assayed show that the copper content though low is very consistent, as is the silver.
4. While comparing the log of this hole with the logs of other holes from the previous drilling it was noted that in a number of cases where such minerals as tetrahedrite, bornite and pyrite seen in the core it had not been assayed. This may be due to the fact that significant chalcopyrite had not been seen but R. M. Thompson states in his report of petrographic study of drill core from some of these holes that chalcopyrite occurs as sparse inclusions with some of the pyrite. This copper mineralization may not be discernible in a hand specimen of drill core; therefore some of sections of carrying silver or copper values of interest may have been missed in the sampling of core from previous drilling.

Some of the silver values ranged up to 4.3 oz. per ton and copper content up to 2.8% are interesting and, more extensive sampling might have resulted in both better grades and better widths.

5. An examination of the drill sections of previous drilling does not seem to indicate any definite trend of the mineralized zones of interest but appear to be part of the same segment of the mineralized zone encountered in the B1; therefore it is recommended that hole B1 be deepened to at least 400 feet so that it may penetrate the same rocks penetrated by the adjacent holes of the previous drilling, the collars of which are located on an east facing slope, below and to the east of hole B1.

B1 is located at the north end of a topographical feature which is both the topographical high and the magnetic high of a magnetic survey done over the immediate area in 1962. The magnetic high extends along the ridge for a distance of about 800 feet. It is recommended that three or four vertical holes be drilled along this magnetic high keeping the collars as near as is practical, near to the same elevation and the spacing close enough to afford good correlation of the intersections encountered in the holes. Further recommendations would be contingent on the results obtained from these holes.

Respectfully submitted,

  
C. J. Clydesman, P. Eng.

Vancouver, B.C.  
7th January, 1976

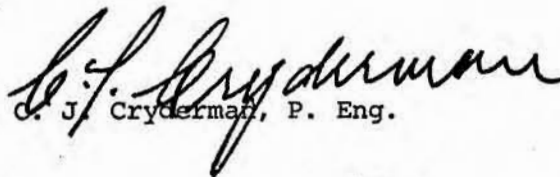
NOTE: The core from hole B-1 is stored in the Apex Equipment Company  
B. C. Limited warehouse at 1357 Verdun Place, Richmond, B.C.

*QTB*

STATEMENT OF QUALIFICATION

I, C. J. Cryderman, whose permanent address is: P. O. Box 217  
Keremeos B.C., and has been domiciled in the Province of British  
Columbia since 1963, hereby state:

1. I am a graduate of the Provincial Institute of Mining at Haileybury, Ontario and am a member of the Association of Professional Engineers of the Province of Ontario.
2. I have been employed in the Mining Industry in responsible positions from the prospecting phase through development to production for a period of over thirty years.
3. The accompanying report is based on information taken from published maps and reports by the Geological Survey of Canada, on records supplied by Mr. A. Robertson from previous work and personal supervision of the drilling being reported on and the results of a petrographic study made by R. M. Thompson, P. Eng. for Tormont Mines of drill core from this property in 1965.
4. I have no direct or indirect interest in this property. Nor do I expect to receive any such interest.

  
C. J. Cryderman, P. Eng.

Dated this 7<sup>th</sup> day of January, 1976.



# DIAMOND D<sup>C</sup> LL RECORD

PROPERTY .....

HOLE No. ....

| DIP TEST |         |           |
|----------|---------|-----------|
| Footage  | Angle   |           |
|          | Reading | Corrected |
|          |         |           |
|          |         |           |
|          |         |           |
|          |         |           |
|          |         |           |
|          |         |           |

Hole No. .... Sheet No. 2      Lat. ....      Total Depth. ....  
 Section. ....      Dep. ....      Logged By. ....  
 Date Begun. ....      Bearing. ....      Claim ....  
 Date Finished. ....      Elev. Collar. ....      Core Size. ....

| DEPTH         | DESCRIPTION   | SAMPLE No. | WIDTH OF SAMPLE | OZ. Au. | OZ. Ag. | % Cu. |
|---------------|---|------------|-----------------|---------|---------|-------|
| 40.0' - 45.0' | Greyish coloured tuff, few stringers of pyrite. Few narrow bands hematite, some disseminated pyrite and chalco.   | 27         | 5.0'            | Trace   | 0.02    | 0.13  |
| 45.0' - 50.0' | As above, increasing magnetite  | 28         | 5.0'            | Trace   | 0.05    | 0.16  |
| 50.0' - 55.0' | Irregular bands and blocks of both magnetite and hematite, low tenor of both pyrite and chalco.   | 29         | 5.0'            | Trace   | 0.05    | 0.15  |
| 55.0' - 60.0' | As above less chalco & pyrite   | 30         | 5.0'            | Trace   | 0.03    | 0.18  |
| 60.0' - 65.0' | As for sample No. 11729 but slightly more pyrite  | 31         | 5.0'            | 0.005   | 0.06    | 0.23  |
| 65.0' - 70.0' | Contains 40% vein material. White qtz. & Some grey silicious crystalline material well mineralized with pyrite.   | 32         | 5.0'            | 0.01    | 0.13    | 0.08  |
| 70.0' - 75.0' | As above with one foot of vein material.  | 33         | 5.0'            | Trace   | 0.06    | 0.23  |
| 75.0' - 80.0' | Broken core, some friable weathered sections. Few qtz. stgrs. Few stgrs. of massive pyrite  | 34         | 5.0'            | Trace   | 0.05    | 0.09  |
| 80.0' - 85.0' | Broken core with some mud or fault gouge. Some stringers of pyrite and minor chalco. Several quartz stringers from 1/8" to 1/4". Some lost core; washed away? | 35         | 5.0'            | Trace   | 0.07    | 0.21  |
|               |   |            |                 |         |         |       |



# DIAMOND HILL RECORD

PROPERTY PAR Claims Nos. 1 to 8, 20 and 22, Nicola Mining Division

HOLE No. ....

| DIP TEST |         |           |
|----------|---------|-----------|
| Footage  | Angle   |           |
|          | Reading | Corrected |
|          |         |           |
|          |         |           |
|          |         |           |
|          |         |           |
|          |         |           |
|          |         |           |

Hole No. .... Sheet No. 1 Lat. 6150  
 Section ..... Dep. 6610  
 Date Begun 29 Nov. 75 Bearing 0  
 Date Finished 10 Dec. 75 Elev. Collar .....

Total Depth 107'  
 Logged By C. J. Cryderman  
 Claim PAR NO. 4  
 Core Size BQ  
 Inclination - Vertical

| DEPTH       | DESCRIPTION  | SAMPLE No. | WIDTH OF SAMPLE | OZ. Au | OZ. Ag | % Cu. |
|-------------|--|------------|-----------------|--------|--------|-------|
| 0.0'/5.0'   | CASING: Glacial Till   |            |                 |        |        |       |
| 5.0'/107.0' | VOLCANIC: <del>Grey till</del> to green coloured tuffaceous material, brecciated and altered, containing blocks and bands of hematite and magnetite. The whole mineralized with pyrite and a low tenor of chalcopryrite. Some epidote and chlorite. The pyrite and chalco occurs in slips and seams and disseminated. Some quartz eyes up to 5 mm. |            |                 |        |        |       |
|             | 5.0' to 10.0' Weathered, brecciated tuff some pyrite.  | 11720      | 5.0'            | Trace  | 0.06   | 0.09  |
|             | 10.0' - 15.0' Brecciated tuff, more solid, considerable magnetite, fair pyrite, minor chalco.  | 21         | 5.0'            | 0.005  | 0.08   | 0.11  |
|             | 15.0' - 20.0' As above slight less pyrite and chalco.  | 22         | 5.0'            | 0.005  | 0.06   | 0.15  |
|             | 20.0' - 25.0' 1.5' cherty weathered material some pyrite, 3.5' solid core with increasing pyrite and hematite with low tenor of chalco.  | 23         | 5.0'            | 0.005  | 0.08   | 0.45  |
|             | 25.0' - 30.0' As above   | 24         | 5.0'            | 0.005  | 0.14   | 0.38  |
|             | 30.0' - 35.0' Solid brecciated tuff, less hematite, increasing magnetite. Pyrite and chalco. as above.   | 25         | 5.0'            | 0.005  | 0.05   | 0.23  |
|             | 35.0' - 40.0' Broken core, magnetite decreases. Pyrite and chalco as previous sample.  | 26         | 5.0'            | 0.005  | 0.03   | 0.09  |



To: Ilona Mines Ltd.

REPORT No 25 - 954

PAGE No. 1

BONDAR-CLEGG & COMPANY LTD.

DATE: January 2, 1976

11107 Royal Centre  
1055 West Georgia Street  
Vancouver, B.C.

CERTIFICATE OF ASSAY

Samples submitted: December 22, 1975  
Results completed: January 2, 1976

I hereby certify that the following are the results of assays made by us upon the herein described core samples.

| MARKED | GOLD              |                  | SILVER            | Cu      |         |         |         |         |         |  | TOTAL VALUE<br>PER TON<br>(2000 LBS.) |
|--------|-------------------|------------------|-------------------|---------|---------|---------|---------|---------|---------|--|---------------------------------------|
|        | Ounces<br>per Ton | Value<br>per Ton | Ounces<br>per Ton | Percent | Percent | Percent | Percent | Percent | Percent |  |                                       |
| 11720  | trace             |                  | 0.06              | 0.09    |         |         |         |         |         |  |                                       |
| 11721  | 0.005             |                  | 0.08              | 0.11    |         |         |         |         |         |  |                                       |
| 11722  | 0.005             |                  | 0.06              | 0.15    |         |         |         |         |         |  |                                       |
| 11723  | 0.005             |                  | 0.08              | 0.45    |         |         |         |         |         |  |                                       |
| 11724  | 0.005             |                  | 0.14              | 0.38    |         |         |         |         |         |  |                                       |
| 11725  | 0.005             |                  | 0.05              | 0.23    |         |         |         |         |         |  |                                       |
| 11726  | 0.005             |                  | 0.03              | 0.09    |         |         |         |         |         |  |                                       |
| 11727  | trace             |                  | 0.02              | 0.13    |         |         |         |         |         |  |                                       |
| 11728  | trace             |                  | 0.05              | 0.16    |         |         |         |         |         |  |                                       |
| 11729  | trace             |                  | 0.05              | 0.15    |         |         |         |         |         |  |                                       |
| 11730  | trace             |                  | 0.03              | 0.18    |         |         |         |         |         |  |                                       |
| 11731  | 0.005             |                  | 0.06              | 0.23    |         |         |         |         |         |  |                                       |
| 11732  | 0.01              |                  | 0.13              | 0.08    |         |         |         |         |         |  |                                       |
| 11733  | trace             |                  | 0.06              | 0.23    |         |         |         |         |         |  |                                       |
| 11734  | trace             |                  | 0.05              | 0.09    |         |         |         |         |         |  |                                       |
| 11735  | trace             |                  | 0.07              | 0.21    |         |         |         |         |         |  |                                       |
| 11736  | 0.005             |                  | 0.06              | 0.27    |         |         |         |         |         |  |                                       |
| 11737  | 0.005             |                  | 0.06              | 0.19    |         |         |         |         |         |  |                                       |
| 11738  | trace             |                  | 0.04              | 0.07    |         |         |         |         |         |  |                                       |

Registered Assayer, Province of British Columbia





SURFACE PLAN OF PAR CLAIMS  
 SCALE 1" = 1500' APPROX.  
 LOCATION OF DRILL NO. B 1 SHOWN THUS X

18/12/75

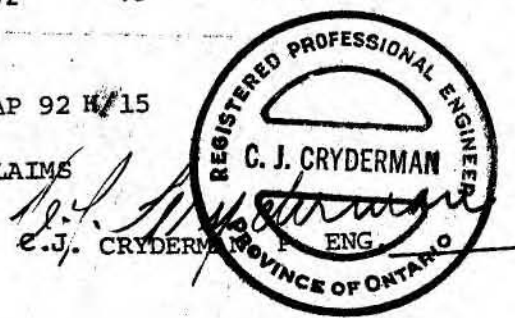
*C. J. Cryderman*  
 C. J. CRYDERMAN





KEY MAP  
 SECTION OF NATIONAL TOPOGRAPHIC MAP 92 H/15  
 SCALE 1:50,000  
 SHOWING LOCATION OF PAR CLAIMS

18/12/75







# Wink International Exploration Drilling Ltd.

CONTRACTORS & CONSULTANTS

TELEPHONE: (604) 943-7234  
CABLE: "WINKIE", DELTA, B.C., CANADA

December 17, 1975

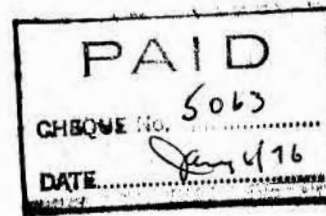
4814 DOGWOOD DRIVE  
DELTA, B.C., CANADA

V4M 1M4

Mr. Andrew Robertson  
Suite 1400  
1055 West Georgia St.  
Vancouver, B. C.

DIAMOND CORE DRILLING & SERVICES in the Vicinity of  
Aspen Grove, B. C.

|  |                          |
|--|--------------------------|
| Mobilization and Demobilization<br>Vancouver - Aspen Grove - Vancouver                     | \$1,000.00               |
| 107 ft. BQ Core Drilling   | 1,000.00                 |
| <u>As per your instructions - Material left in<br/>Drill Hole to keep Drill Hole Open:</u> |                          |
| 1 - 5 ft. BW Casing @ \$28.40  |                          |
| 1 - 2 ft. " @ 15.75  |                          |
| 1 - BW Impregnated<br>Diamond Casing Shoe @ 75.00  | <u>119.15</u>            |
| Total Amount Due   | <u><u>\$2,119.15</u></u> |



19th December,

75

M. A. Robertson

1400 - 1055 W. Georgia Street, Vancouver, B.C.

In Account With

Doit A C. J. Cryderman, P. Eng.

Terms/Conditions

|  |  |                        |  |                   |   |
|--|--|------------------------|--|-------------------|---|
|  |  |                        |  |                   |   |
|  |  |                        |  |                   |   |
|  |  | Engineering services   |  |                   |   |
|  |  | PAR claims             |  |                   |   |
|  |  | Nicola Mining Division |  |                   |   |
|  |  |                        |  |                   |   |
|  |  | Land rover rental      |  | 175.00            | ✓ |
|  |  | Out of pocket expenses |  | 486.54            |   |
|  |  | Fees                   |  | 1,000.00          |   |
|  |  |                        |  | <u>1,661.54</u>   |   |
|  |  | Less advance           |  | 500.00            |   |
|  |  | BALANCE DUE            |  | <u>\$1,161.54</u> |   |

**PAID**  
 5071  
 CHEQUE NO. ....  
 DATE..... JAN 2 1976

*C. J. Cryderman*

Mr. E. J. Bowles  
Chief Gold Commissioner  
March 15, 1976

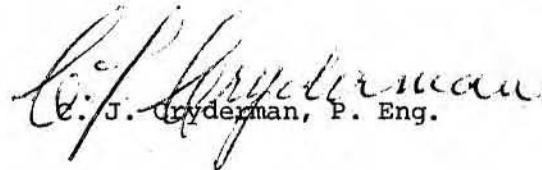
Page 2

The manner in which the operation developed and terminated caused the writer considerable travel between the interior and the coast and took up over a month of his time. Due to the experimental nature of the operation it became very time consuming.

Considering the experience and knowledge gained from this project, the writer settled for a very modest fee of \$1,200.00 plus some disbursements which brought the total to \$1,496.54. Had a flat figure of \$200.00 per day been used for time spent on the ground the cost of engineering services would have been much greater. Since this work was only the prelude to a drill programme of from three to four thousand feet minimum, when the equipment, in reliable condition, is again available it is felt that the money has been well spent.

We hope this will explain the relative high cost of engineering and regret any problems or inconvenience this matter may have caused you.

Yours very truly,

  
C. J. Gryderman, P. Eng.

CJC:jc  
cc: Andrew Robertson



MAR 17 '76 PM



BOX 11107, ROYAL CENTRE  
1400-1055 WEST GEORGIA STREET  
VANCOUVER, B. C. V6E 3P3

March 15, 1976

DEPT. OF MINES  
AND PETROLEUM RESOURCES

3160

Mr. E. J. Bowles  
Chief Gold Commissioner  
Mines and Petroleum Resources  
Parliament Buildings  
Victoria, B.C.  
V8V 1X4

Dear Sir:

Re: PAR Mineral Claims  
Diamond Drilling Report #5760

Mr. Robertson has requested that I reply to your query regarding the above matter dated February 24, 1976.

When it was decided to do further drilling of the PAR claims one of the considerations was the poor core recovery from some of the holes from the previous drilling. We were aware that the new Hydra-Wink diamond drill was being prepared for initial testing. Improved core recovery was one of the feature of the Hydra; therefore, arrangements were made with Wink International Explorations to drill several holes to a minimum of four hundred feet.

The due date for the assessment work on the PAR claims was a month away when the arrangement was made and it was felt that there was plenty of time for the drilling of several holes to a minimum of 400 feet by the due date.

There were some unforeseen delays in getting the equipment on to the property. The new Hydra drill performed very well and core recovery was very good but the power unit caused many delays due to what turned out to be a manufacturers defect. The power unit failed completely when the hole was at 107 feet.

The core which was mineralized throughout was moved to Richmond for safe keeping where it was logged and sampled. Due to the time of year it was found the assays could not be obtained until after the new year, after which the report had to be prepared and submitted to the Mining Recorder.