83-#374 - #11486.

# GEOLOGICAL BRANCH
# ASSESSMENT REPORT

# 11,486

## DIAMOND DRILL PROGRAM ON THE

## QR MINERAL CLAIMS, QUESNEL RIVER AREA

## BRITISH COLUMBIA

## CARIBOO MINING DIVISION

NTS 93A12

52°41'N, 121°48'W

by

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FOX GEOLOGICAL CONSULTANTS LTD.
410 - 675 West Hastings Street
Vancouver, B.C.

for

DOME EXPLORATION (CANADA) LIMITED
Project 180

CLAIMS
QR 1-8
August 4, 1983

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## TABLES



## ILLUSTRATIONS



## APPENDIX

## INTRODUCTION

Results of diamond drilling work done on the QR claims between February 25 and March 26, 1983 are given in this report. Drill logs and assays for holes 180-96 and 180-104 are appended, so that the work on them may be applied against assessment fees. The diamond drilling program was designed to evaluate a gold prospect orginally staked in 1975 and explored by a series of drilling programs in 1976, 1977, 1978, 1980, 1981 and 1982. A total of 122 diamond drill holes comprising 22,272 metres has been drilled to date.

## LOCATION, ACCESS AND TOPOGRAPHY

The Quesnel River property is situated 58 kilometres southeast of Quesnel and 10 kilometres west of Quesnel Forks (Figure 1). Access to the site is by a series of gravel-surfaced roads from Quesnel via Sardine Flats to Maud Lake (45 kilometres) and a rough, four-wheel drive access trail from Maud Lake to the Quesnel River camp, a distance of 12 kilometres (Figure 2).

Local terrain consists of rolling hill country of the interior plateau region. Deeply incised valleys of Quesnel River and Maud Creek are situated near the south and east boundaries of the QR claim block respectively. Relief from the Quesnel River to summit areas northwest of the deposit is 500 metres. The deposit, at an elevation of 1000 metres, is situated in a low depression between the Quesnel River to the south and a swampy, muskeg-filled valley that drains northerly to Maud Creek.

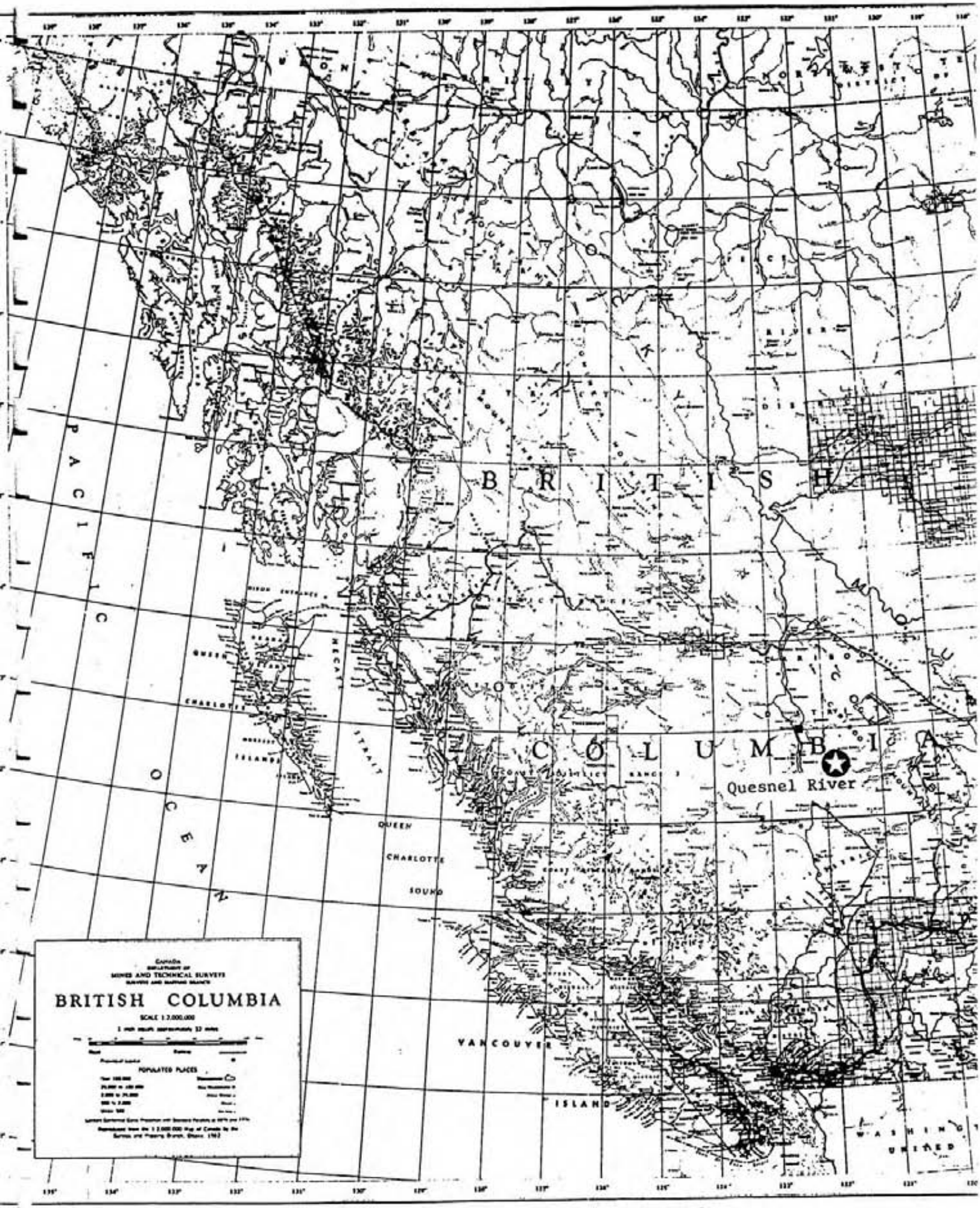
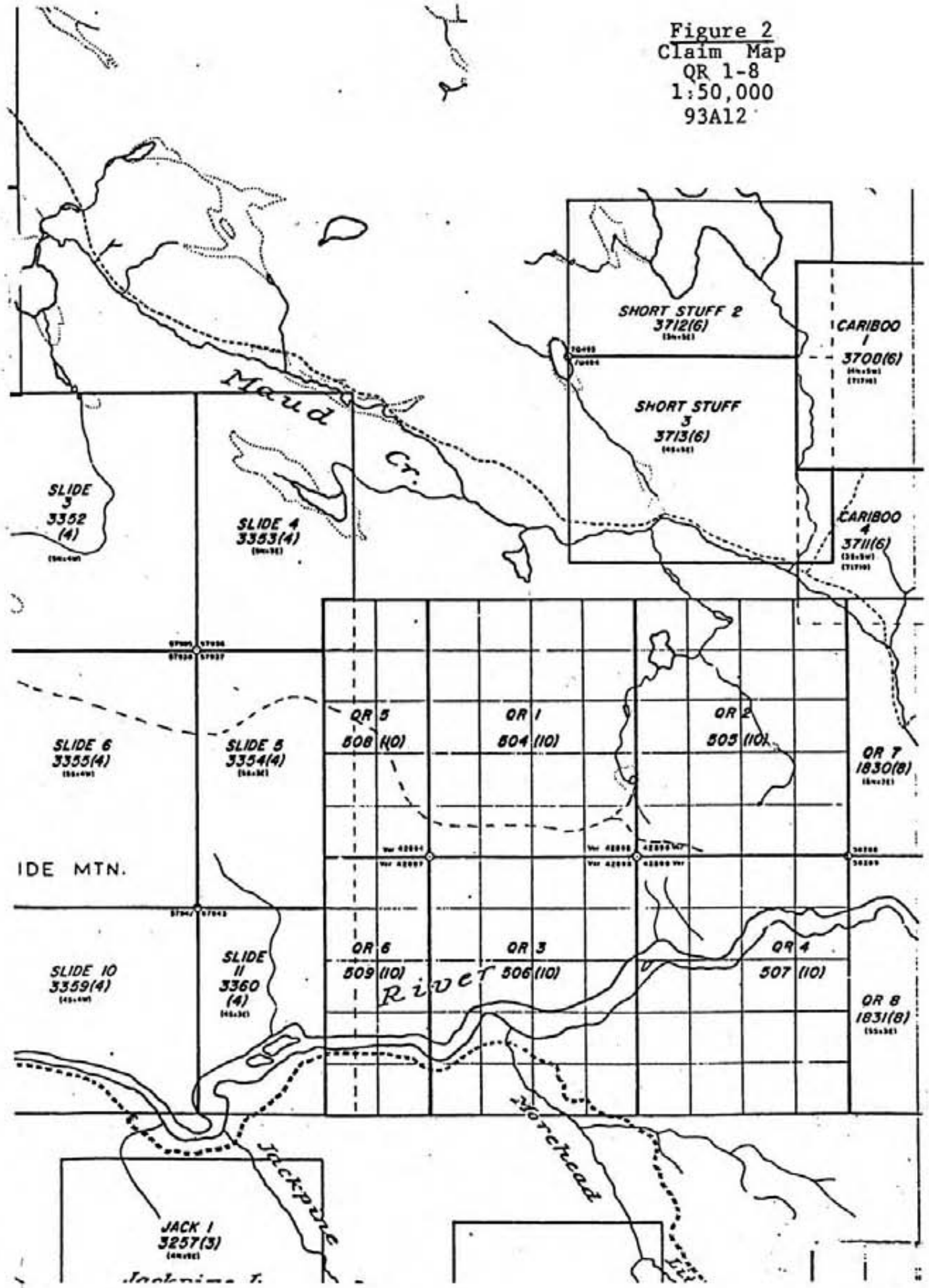

B R I T I S H
C O L U M B I A
Quesnel River
PACIFIC OCEAN
QUEEN CHARLOTTE SOUND
VANCOUVER ISLAND
BRITISH COLUMBIA
POPULATED PLACES

FIGURE 1

Figure 2
Claim Map
QR 1-8
1:50,000
93A12



## CLAIM INFORMATION

The property consists of eight mineral claims (130 units). Expiry dates shown assume work described herein is accepted for assessment purposes.

| Name | Record No. | No. of Units | Expiry Date |
|---|---|---|---|
| X-Group (4 claims, 60 units) | | | |
| QR 1 | 504 | 20 | October 18, 1994 |
| QR 3 | 506 | 20 | October 18, 1994 |
| QR 5 | 508 | 10 | October 18, 1994 |
| QR 6 | 509 | 10 | October 18, 1994 |
| Y-Group (4 claims, 70 units) | | | |
| QR 2 | 505 | 20 | October 18, 1994 |
| QR 4 | 507 | 20 | October 18, 1994 |
| QR 7 | 1830 | 15 | August 8, 1994 |
| QR 8 | 1831 | 15 | August 8, 1994 |

## GEOLOGY

The Quesnel River property covers a dioritic stock and mineralized volcanic strata on the north side of the Quesnel River. The property is situated 15 kilometres north of the Cariboo Bell copper-gold prospect situated on Polley Mountain. The Quesnel River prospect is associated with a small alkalic intrusion consisting of diorite, monzodiorite and monzonite that intrudes a thick succession of augite basalt, trachybasalt, felsic breccia, and volcanic wackes and sediments. Bedrock exposures on the property are confined to rocky summits and on steep slopes of the Quesnel River valley. The remainder of the area consists of gentle slopes where bedrock is covered by several metres of till.

Dark grey basaltic flows and layers of unstratified autobreccia form rocky summits and ridges in the north half of the proeprty. Poorly bedded volcanic wackes and sedimentary grits outcrop at lower elevations to the south and form steep limonite-stained bluffs above the Quesnel River near the north boundary of the QR 4 claim. The bluffs comprise a conspicuous gossan zone visible for many miles to the south. The sediments strike easterly, dip 60 degrees south, and overlie the basaltic rocks exposed to the north.

Augite diorite and biotite monzodiorite form a composite stock exposed on steep bluffs and talus slopes north of the Quesnel River. The stock is exposed along the valley side for 1000 metres. Outcrops of diorite extend southerly almost to the Quesnel River but the stock is apparently covered by thick accumulations of glacial clays south of the river. The east and north part of the stock is highly fractured and altered to K-feldspar veinlets and irregular patches of epidote. Pyrite is abundant and forms disseminated grains and films and fractures.

The deposit occurs in pyritic, carbonate-epidote-chlorite rocks bounded to the north by carbonate-rich basaltic rocks and to the south by pyritic siltstones. The deposit is terminated to the east by a west-dipping fault and to the west, the deposit merges downward into barren basaltic rocks. The best grade material lies in pyritic rocks close to the north-dipping contact with carbonate-rich basaltic rocks. The mineralized zone comprises two types - disseminated and locally massive pyritic material in altered tuffs and lapillistones and stringer type pyrite-carbonate-epidote veinlets in massive basalts.

## 1983 PROGRAM

The spring program comprised thirteen new holes (180-93 to -105), a total of 2,572 metres. Hole lengths are given in Table I. Drilling was done by J.T. Thomas of Smithers, B.C. Hole 180-96 was logged, recoveries calculated, split and sampled in 1-metre lengths. Hole 180-104 was logged, recoveries calculated, split and sampled in 3-metre composites. Samples were assayed for gold, silver and copper by Acme Analytical Laboratories Limited. Drill hole locations are given in Figure 3. Core is stored at 1252 Jade Road, Quesnel.

**TABLE I: DRILL HOLE DATA**

| Hole No. | Length (m) |
|---|---|
| 180-93 | 330.7 |
| 180-94 | 301.8 |
| 180-95 | 96.0 |
| 180-96 | 114.9 |
| 180-97 | 122.5 |
| 180-98 | 137.3 |
| 180-99 | 128.9 |
| 180-100 | 171.9 |
| 180-101 | 174.7 |
| 180-102 | 200.2 |
| 180-103 | 316.4 |
| 180-104 | 203.3 |
| 180-105 | 270.4 |

## DRILL RESULTS

**180-96 11250E 9428N 985m elevation 0 Azimuth -90 degrees dip 114.9m depth**

Hole 180-96 was collared 75 metres south of hole 180-85 and drilled vertically to a depth of 114.9 metres. It cored interbedded black argillite and grey siltstone to 16.0 metres; grey siltstone to 19.8 metres; hornblende augite basalt to 52 metres; calcareous basalt and basalt to 103.0 metres; chloritic gouge to 105.6 metres; and pink monzonite to 114.9 metres.

**180-104 12506E 10293N 1043m elevation 180 degree Azimuth -45 degrees dip 203.3m depth**

Hole 180-104 was collared 100 metres east of hole 180-103 and was drilled south at -45.0 degrees to a depth of 203.3 metres. All core consisted of calcareous basalt cut by numerous hornblende porphyry dykes.

## DISBURSEMENTS

### Drilling Program

| | | | | | |
|---|---|---|---|---|---|
| Salaries: | Bruland, Geologist | 57 days @ $160 | $9,120 | | |
| | Cameron, Geologist | 52 days @ $160 | 8,320 | | |
| | Hunt, Technician | 43 days @ $144 | 6,192 | | |
| | Fox, Project Supervisor | 18 days @ $400 | 7,200 | | |
| | | | | $ 30,832 | |
| Accommodation, camp costs | | | | 3,537 | |
| Telephone and radio | | | | 502 | |
| Helicopter, charter: Can-West Helicopters Ltd. | | | | 9,942 | |
| Vehicle Expense: | 4 w-d 2 months @ $1,000 | | 2,000 | | |
| | Repair, maintenance, gas | | 909 | 2,909 | |
| Miscellaneous small equipment and supplies | | | | 7,394 | |
| Maps, reproduction | | | | 5,005 | |
| Assays: | Acme Analytical Laboratories, Vancouver<br>Cu, Au, Ag assays by A.A. | | | 31,424 | |
| Bulldozer contracting: Rudy Londquist, Quesnel, B.C. | | | | 4,992 | |
| Drilling: | J.T. Thomas, Smithers, B.C.<br>2,572 metres BQWL | | | 202,710 | |
| Report writing | | | | 500 | |
| | | | | | $ 299,297 |

### Slash Clean-Up Program

| | | | | | |
|---|---|---|---|---|---|
| Salaries: | Cameron, Geologist | 3.5 days @ $160 | 560 | | |
| | Hunt, Technician | 23 days @ $160 | 3,680 | | |
| | Shannon, Technician | 23 days @ $160 | 3,680 | | |
| | Fox, Project Superisor | 2 days @ $400 | 800 | | |
| | | | | 8,720 | |
| Vehicle expense: 4 w-d rental, repairs, gas | | | | 1,250 | |
| | | | | | 9,970 |
| | | | | | $ 309,267 |

| | |
|---|---|
| Project cost per metre drilled (2,572 metres) | $ 120.24 |
| QR-X Group (QR 1, 3, 5, 6) 60 units<br>Hole 180-96 114.9m @ 120.24 | $ 13,815.58 |
| QR-Y Group (QR 2, 4, 7, 8) 70 units<br>Hole 180-104 203.3m @ 120.24 | $ 24,444.79 |

Work paid for by Dome Exploration (Canada) Ltd.

Prepared by:

**FOX GEOLOGICAL CONSULTANTS LTD.**


P. E. Fox, Ph.D., P.Eng.
August 4, 1983

## CERTIFICATE

I, Tor Bruland, of the City of Vancouver, Province of British Columbia, hereby certify as follows:

1. I graduated from the University of Bergen, Norway, in 1980 with a Cand. Real in geology. This degree is considered to be a qualification between the M.Sc and the Ph.D. in North America.

2. I have practised my profession as a geologist since 1980.

3. I worked in the Quesnel River property supervising drilling and logging the drill core, from February to April, 1983.

Dated at Vancouver, B.C., this 11th day of March, 1983.

Tor Bruland

# Appendix

DOME EXPLORATION (CANADA) LIMITED

Project 180

Diamond Drill Record

Location: 9428.02N, 11249.64E

Hole No. 180 - 96

Azimuth:

Property: Project 180 - Quesnel River, B.C.

Dip: -90°  Length(metres): 114.9m  Elevation: 985.09m  Claim No: QR - 3

Started: March 12, 1983 2:00PM  Core Size: B.Q.  Date Logged: March 16,1983  Section: 112 + 50E

Completed: March 13, 1983 7:00AM  Dip Tests:  Logged By: Tor Bruland

Purpose:

| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 9.1 | OVERBURDEN | | | | | | | | | | | | | |
| 9.1 | 16.0 | ARGILLITE AND SILTSTONE | 51403 | 9.1 | 10.0 | .9 | .05 | .5 | .01 | 0 | 0 | 3 | 3 | 2 | 0 |
| | | Black, massive, argillite bedded with fine | 51404 | 10.0 | 11.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 3 | 2 | 0 |
| | | grained, grey, siltstone. Beds .1-25.0 cm at | 51405 | 11.0 | 12.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 3 | 2 | 0 |
| | | about 80° to core axis. Channel fillings, | 51406 | 12.0 | 13.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 2 | 2 | 0 |
| | | ripple marks, and soft sediment deformation | 51407 | 13.0 | 14.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | disrupt beds. Beds cut and offset by local | 51408 | 14.0 | 15.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 3 | 0 |
| | | faults, displacement .5-2.0cm. Intense calcite | 51409 | 15.0 | 16.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 3 | 0 |
| | | disseminated and in veins, irregular, 1-10mm and | 51410 | 16.0 | 17.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 3 | 0 |
| | | at 0-80° to core axis. Gradual decrease in | 51411 | 17.0 | 18.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 3 | 0 |
| | | calcite. Chlorite along along local faults. | 51412 | 18.0 | 19.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 2 | 0 |
| | | Hematite on fractures 9.1m to 11.5m. Fine pyrite | 51413 | 19.0 | 20.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 2 | 1 | 0 |
| | | disseminated, in aggregates 2-15mm and veins | 51414 | 20.0 | 21.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | 1-8mm. | 51415 | 21.0 | 22.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 51416 | 22.0 | 23.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 2 | 2 | 1 | 0 |
| 16.0 | 19.8 | SILTSTONE | 51417 | 23.0 | 24.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | Fine grained, grain size increases towards basalt, | 51418 | 24.0 | 25.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | grey, equigranular, massive. Minor calcite in | 51419 | 25.0 | 26.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 1 | 1 | 1 | 0 |
| | | veins, irregular 1-5mm and at 40-90° to core | 51420 | 26.0 | 27.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | axis. Chlorite along local faults. Fine pyrite, | 51421 | 27.0 | 28.0 | 1.0 | .05 | .5 | .05 | 0 | 0 | 2 | 2 | 1 | 0 |

Key
O=Absent 1=Weak 5=Intense Pyrite: 1=<1% 2=1-5%
3=5-10% 4=10-20% F=Fine C=Coarse

DOME EXPLORATION (CANADA) LIMITED

Diamond Drill Record

Project xxx

Hole No. 180 -96



| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | disseminated in aggregates 1-15mm and veins 1-5mm. | 51422 | 28.0 | 29.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 2 | 0 |
| | | | 51423 | 29.0 | 30.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 51424 | 30.0 | 31.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 2 | 1 | 0 |
| | | | 51425 | 31.0 | 32.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 51426 | 32.0 | 33.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| 19.8 | 105.6 | BASALT | 51427 | 33.0 | 34.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | Fine grained/aphanitic, grey, equigranular parts | 51428 | 34.0 | 35.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | mixed with porphyritic basalt. Porphyritic parts are | 51429 | 35.0 | 36.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 2 | 1 | 0 |
| | | dominant; subhedral and anhedral hornblende 2-8mm, | 51430 | 36.0 | 37.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | 0-15% and anhedral and and relict augite 2-10mm; | 51431 | 37.0 | 38.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | 1-15% phenocrysts. Hornblende phenocrysts in minor | 51432 | 38.0 | 39.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | amount below 23.0m. Minor calcite in veins, 1-10mm | 51433 | 39.0 | 40.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | irregular and at 30-80° to core axis. Chlorite | 51434 | 40.0 | 41.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | along local faults. Isolated minor epidote in | 51435 | 41.0 | 42.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | aggregates 2-5mm and disseminated in isolated | 51436 | 42.0 | 43.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | fragments. Autobrecciated with irregular, rounded | 51437 | 43.0 | 44.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | and subrounded fragments, 2-30mm. Fine disseminated | 51438 | 44.0 | 45.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | pyrite. Fine disseminated magnetite 32.0-99.7m. | 51439 | 45.0 | 46.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | White and pink feldspar veins at 30° to 60° to core | 51440 | 46.0 | 47.0 | 1.0 | .05 | 1.0 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | axis 5-15mm. Local increase in calcite with | 51441 | 47.0 | 48.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | moderate to intense calcite in parts over 1-4 m | 51442 | 48.0 | 49.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | intervals. Augite phenocrysts can increase locally | 51443 | 49.0 | 50.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | to 25%. 54.2m hematite along local faults | 51444 | 50.0 | 51.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | 55.9m shear zones 1-3cm at 30° and 75° to core | 51445 | 51.0 | 52.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | axis, hematite associated with one 46.0-64.0m. Minor | 51446 | 52.0 | 53.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 1 | 0 |
| | | disseminated calcite. | 51447 | 53.0 | 54.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 1 | 0 |
| | | | 51448 | 54.0 | 55.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 1 | 0 |

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0=Absent 1=Weak 5=Intense Pyrite: 1=<1% 2=1-5%
3=5-10% 4=10-20% F=Fine C=Coarse

DOME EXPLORATION (CANADA) LIMITED

Diamond Drill Record

Project 180

Hole No. 180 -96



| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 51449 | 55.0 | 56.0 | 1.0 | .05 | 5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | | 51450 | 56.0 | 57.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 2 | 1 | 0 |
| | | | 51451 | 57.0 | 58.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 1 | 0 |
| | | | 51452 | 58.0 | 59.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 1 | 0 |
| | | | 51453 | 59.0 | 60.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 51454 | 60.0 | 61.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 51455 | 61.0 | 62.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 51456 | 62.0 | 63.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | | 51457 | 63.0 | 64.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | | 51458 | 64.0 | 65.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | | 51459 | 65.0 | 66.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | | 51460 | 66.0 | 67.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | | 51461 | 67.0 | 68.0 | 1.0 | .05 | 2.5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | | 51462 | 68.0 | 69.0 | 1.0 | .05 | 1.0/1.5 | .01 | 0 | 0 | 3 | 2 | 1 | 0 |
| | | | 51463 | 69.0 | 70.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 2 | 1 | 0 |
| | | | 51464 | 70.0 | 71.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 51465 | 71.0 | 72.0 | 1.0 | .10 | .5 | .01 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | | 51466 | 72.0 | 73.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 51467 | 73.0 | 74.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 2 | 0 |
| | | | 51468 | 74.0 | 75.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | Irregularly distributed fine disseminated | 51469 | 75.0 | 76.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | magnetite 75.0-77.0m, 87.0-89.0m. | 51470 | 76.0 | 77.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | | 51471 | 77.0 | 78.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | | 51472 | 78.0 | 79.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 51473 | 79.0 | 80.0 | 1.0 | .10 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 51474 | 80.0 | 81.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | | 51475 | 81.0 | 82.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 1 | 0 |

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DOME EXPLORATION (CANADA) LIMITED

Project 100

O=Absent 1=Weak 2=Intense Pyrite: 1=<1% 2=1-5%
3=5-10% 4=10-20% F=Fine C=Coarse

Diamond Drill Record

Hole No. 180 - 96

Page No. 4 of 5

| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 51476 | 82.0 | 83.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 51477 | 83.0 | 84.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 51478 | 84.0 | 85.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 51479 | 85.0 | 86.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 51480 | 86.0 | 87.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 51481 | 87.0 | 88.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 51482 | 88.0 | 89.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 51483 | 89.0 | 90.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 51484 | 90.0 | 91.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 1 | 2 | 1 | 0 |
| | | | 51485 | 91.0 | 92.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 1 | 1 | 1 | 0 |
| | | | 51486 | 92.0 | 93.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 1 | 2 | 1 | 0 |
| | | | 51487 | 93.0 | 94.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 1 | 1 | 1 | 0 |
| | | | 51488 | 94.0 | 95.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 2 | 3 | 1 | 0 |
| | | | 51489 | 95.0 | 96.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 2 | 2 | 1 | 0 |
| | | | 51490 | 96.0 | 97.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 1 | 2 | 1 | 0 |
| | | 97.9-99.6m chloritic gouge, chlorite and clay | 51491 | 97.0 | 98.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 3 | 1 | 0 |
| | | minerals with moderate to intense calcite | 51492 | 98.0 | 99.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 5 | 1 | 0 |
| | | disseminated. | 51493 | 99.0 | 100.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 3 | 4 | 1 | 0 |
| | | 99.6-103.0m intense calcite in irregular veins | 51494 | 100.0 | 101.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 3 | 1 | 0 |
| | | 1-15mm. | 51495 | 101.0 | 102.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 2 | 1 | 0 |
| | | 102.8m hematite along local fault | 51496 | 102.0 | 103.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 2 | 1 | 0 |
| | | 103.0-105.6m chloritic gouge, chlorite and | 51497 | 103.0 | 104.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 4 | 1 | 0 |
| | | clay minerals with intense disseminated calcite. | 51498 | 104.0 | 105.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 4 | 1 | 0 |
| | | Contact to monzonite 45° to core axis. | 51499 | 105.0 | 106.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 4 | 1 | 0 |
| | | | 51500 | 106.0 | 107.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 2 | 1 | 0 |
| 105.6 | 114.9 | MONZONITE | 51501 | 107.0 | 108.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 2 | 1 | 0 |
| | | Fine to medium grained equigranular brownish red | 51502 | 108.0 | 109.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 2 | 1 | 0 |

Key
O=Absent 1=Weak 5=Intense Pyrite: 1=<1% 2=1-5%
3=5-10% 4=10-20% F=Fine C=Coarse

DOME EXPLORATION (CANADA) LIMITED

Diamond Drill Record

Project 180
Hole No. 180 - 96
Page No. 5 of 5

| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | and pink. Minor calcite in irregular veins 1-10mm. | 51503 | 109.0 | 110.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 2 | 1 | 0 |
| | | Chlorite along local faults. Minor | 51504 | 110.0 | 111.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 2 | 1 | 0 |
| | | shearing of monzonite with a high number of local | 51505 | 111.0 | 112.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 2 | 1 | 0 |
| | | faults. Fine disseminated pyrite, 70-80% alkali | 51506 | 112.0 | 113.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 2 | 1 | 0 |
| | | feldspar, up to 20% hornblende. | 51507 | 113.0 | 114.9 | 1.9 | .10 | .5 | .01 | 0 | 0 | 1 | 3 | 1 | 0 |
| | | END OF HOLE 114.9m. | | | | | | | | | | | | | |

DOME EXPLORATION (CANADA) LIMITED

Project 180

Diamond Drill Record

Hole No. 180 - 104

Location: 10292.76N, 12506.16E

Azimuth: 180°

Property: Project 180 - Quesnel River, B.C.

Dip: -45° Length(metres): 203.3m Elevation: 1043.32 m Claim No: QR - 2

Started: March 21,1983 8:00PM Core Size: B.Q. Date Logged: March 31,1983 to April 1/83 Section: 125+00E

Completed: March 23, 1983 2:30AM Dip Tests: 154.5m 43.0° Logged By: Tor Bruland

Purpose:

| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 12.2 | OVERBURDEN | | | | | | | | | | | | | |
| 12.2 | 203.3 | CALCAREOUS BASALT | 70487 | 12.2 | 14.0 | 1.8 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 2 | 0 |
| | | Fine grained/aphanitic, grey, porphyritic with | 70488 | 14.0 | 15.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 2 | 0 |
| | | either euhedral to anhedral hornblende, 3-10mm | 70489 | 15.0 | 16.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 2 | 0 |
| | | 5-15% or anhedral and relict augite 3-15mm, | 70490 | 16.0 | 17.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 2 | 0 |
| | | 5-25%. Moderate to intense calcite, disseminated | 70491 | 17.0 | 18.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 2 | 2 | 0 |
| | | in irregular veins, 1-10mm and at 30° to 70° | 70492 | 18.0 | 19.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 2 | 0 |
| | | to core axis and in aggregates 2-8mm. Local | 70493 | 19.0 | 20.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 2 | 0 |
| | | decrease in calcite to minor over 1-10m. | 70494 | 20.0 | 21.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 3 | 0 |
| | | Isolated epidote in aggregates 1-4mm and | 70495 | 21.0 | 22.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 2 | 1 | 1 | 0 |
| | | disseminated in places. Chlorite along local | 70496 | 22.0 | 23.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 3 | 1 | 1 | 0 |
| | | faults, shear zones .5-1.5cm, faults and | 70497 | 23.0 | 24.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 3 | 1 | 1 | 0 |
| | | disseminated. Limonite on fractures 12.2m to | 70498 | 24.0 | 25.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 2 | 0 |
| | | 30.3m. Hematite disseminated in calcite in | 70499 | 25.0 | 26.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 4 | 1 | 1 | 0 |
| | | parts 12.2 m to 33.0 m. Fine pyrite, disseminated | 70500 | 26.0 | 27.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | in veins 1-5mm and in aggregates2-8mm. Irregular | 70501 | 27.0 | 28.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 2 | 1 | 0 |
| | | distribution offine disseminated magnetite. | 70502 | 28.0 | 29.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 2 | 1 | 0 |
| | | | 70503 | 29.0 | 30.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 1 | 0 |
| | | | 70504 | 30.0 | 31.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 1 | 0 |
| | | | 70505 | 31.0 | 32.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 3 | 1 | 1 | 0 |
| | | | 70506 | 32.0 | 33.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 5 | 2 | 2 | 0 |

DOME EXPLORATION (CANADA) LIMITED

Project 180

Hole No. 180 - 104

Page No. 2 of 8

0=Absent 1=Weak 5=Intense Pyrite: 1=<1% 2=1-5%
3=5-10% 4=10-20% F=Fine C=Coarse

Diamond Drill Record

| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 70507 | 33.0 | 34.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 5 | 2 | 3 | 0 |
| | | | 70508 | 34.0 | 35.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 2 | 3 | 0 |
| | | | 70509 | 35.0 | 36.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 2 | 2 | 0 |
| | | | 70510 | 36.0 | 37.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 2 | 3 | 0 |
| | | | 70511 | 37.0 | 38.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 5 | 2 | 3 | 0 |
| | | 39.0-53.0m intensely faulted basalt (localized | 70512 | 38.0 | 39.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 5 | 3 | 2 | 0 |
| | | fault zone), chlorite linings and disseminations. | 70513 | 39.0 | 40.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 4 | 1 | 0 |
| | | Isolated, felsic, fine to medium grained equi- | 70514 | 40.0 | 41.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 3 | 1 | 0 |
| | | granular light grey to pink xenolith rounded to | 70515 | 41.0 | 42.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 3 | 1 | 0 |
| | | subrounded .5-1.5cm and mafic, fine to coarse | 70516 | 42.0 | 43.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 3 | 1 | 0 |
| | | grained equigranular black, angular to subrounded | 70517 | 43.0 | 44.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 4 | 1 | 0 |
| | | .5-5.0cm xenoliths. Mafic xenoliths can be 80-90% | 70518 | 44.0 | 45.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 4 | 1 | 0 |
| | | hornblende. | 70519 | 45.0 | 46.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 3 | 1 | 0 |
| | | | 70520 | 46.0 | 47.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 3 | 1 | 0 |
| | | | 70521 | 47.0 | 48.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 4 | 2 | 0 |
| | | 40.0-64.0m fine disseminated magnetite. | 70522 | 48.0 | 49.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 4 | 1 | 0 |
| | | | 70523 | 49.0 | 50.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 4 | 1 | 0 |
| | | The basalt is autobrecciated in parts with rounded | 70524 | 50.0 | 51.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 3 | 1 | 0 |
| | | to subangular fragments .3-4.0cm. | 70525 | 51.0 | 52.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 2 | 2 | 0 |
| | | | 70526 | 52.0 | 53.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | | 70527 | 53.0 | 54.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 3 | 1 | 0 |
| | | | 70528 | 54.0 | 55.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 2 | 0 |
| | | | 70529 | 55.0 | 56.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 2 | 2 | 0 |
| | | | 70530 | 56.0 | 57.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 2 | 1 | 0 |
| | | | 70531 | 57.0 | 58.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 70532 | 58.0 | 59.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 70533 | 59.0 | 60.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 1 | 1 | 1 | 0 |

Key
0=Absent 1=Weak 5=Intense Pyrite: 1=<1% 2=1-5%
3=5-10% 4=10-20% F=Fine C=Coarse

DOME EXPLORATION (CANADA) LIMITED

Diamond Drill Record

Project 180

Hole No. 180 - 104



| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 70534 | 60.0 | 61.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 70535 | 61.0 | 62.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | | 70536 | 62.0 | 63.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | | 70537 | 63.0 | 64.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 3 | 1 | 2 | 0 |
| | | | 70538 | 64.0 | 65.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 2 | 0 |
| | | | 70539 | 65.0 | 66.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 3 | 1 | 2 | 0 |
| | | | 70540 | 66.0 | 67.0 | 1.0 | .05 | .5 | .01 | 0 | 1 | 2 | 2 | 2 | 0 |
| | | 67.0-77.1m isolated pink feldspar veins 3-8mm | 70541 | 67.0 | 68.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 1 | 0 |
| | | alone or associated with calcite veins. | 70542 | 68.0 | 69.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 2 | 1 | 0 |
| | | | 70543 | 69.0 | 70.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 2 | 1 | 0 |
| | | | 70544 | 70.0 | 71.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 2 | 1 | 0 |
| | | | 70545 | 71.0 | 72.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 2 | 1 | 0 |
| | | 72.0-77.1m fine to medium grained equigranular | 70546 | 72.0 | 73.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 2 | 1 | 0 |
| | | basalt/tuff greenish grey with disseminated | 70547 | 73.0 | 74.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 1 | 0 |
| | | chlorite. | 70548 | 74.0 | 75.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 1 | 0 |
| | | | 70549 | 75.0 | 76.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 1 | 0 |
| | | | 70550 | 76.0 | 77.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 2 | 1 | 0 |
| | | 77.1-101.6m FELSIC DYKE | 70551 | 77.0 | 78.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 1 | 0 |
| | | Fine to medium grained, equigranular light grey | 70552 | 78.0 | 79.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | tc grey. Minor to moderate calcite in veins, | 70553 | 79.0 | 80.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | irregular < 1mm to 5mm and at 30° to 90° to core | 70554 | 80.0 | 81.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | axis, 1-10mm. Isolated pink feldspar veins 3-5mm | 70555 | 81.0 | 82.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | and aggregates 5-10mm. Chlorite along local faults | 70556 | 82.0 | 83.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | Fine pyrite, disseminated and in aggregates | 70557 | 83.0 | 84.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | 2-4mm. Fine disseminated magnetite. Contact at | 70558 | 84.0 | 85.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | 77.1m at 90° to core axis along .5cm shear zone. | 70559 | 85.0 | 86.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | In parts minor disseminated calcite. About 80% | 70560 | 86.0 | 87.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |

DOME EXPLORATION (CANADA) LIMITED

O=Absent 1=Weak 5=Intense Pyrite: 1=<1% 2=1-5%
3=5-10% 4=10-20% F=Fine C=Coarse

Diamond Drill Record

Hole No. 180 - 104



| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | feldspar and 10-15% hornblende. | 70561 | 87.0 | 88.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 70562 | 88.0 | 89.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 70563 | 89.0 | 90.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 70564 | 90.0 | 91.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 70565 | 91.0 | 92.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | | 70566 | 92.0 | 93.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | 93.0-93.9m SAND SEAM, fault or caving of hole | 70567 | 93.0 | 94.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 0 | 1 | 0 |
| | | from top. ? | 70568 | 94.0 | 95.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 2 | 0 |
| | | | 70569 | 95.0 | 96.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | | 70570 | 96.0 | 97.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 70571 | 97.0 | 98.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | 70572 | 98.0 | 99.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | | 70573 | 99.0 | 100.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | | 70574 | 100.0 | 101.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | | 70575 | 101.0 | 102.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 2 | 0 |
| | | | 70576 | 102.0 | 103.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 2 | 2 | 0 |
| | | | 70577 | 103.0 | 104.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 3 | 2 | 1 | 0 |
| | | | 70578 | 104.0 | 105.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 3 | 2 | 1 | 0 |
| | | 105.2-119.6m FELSIC DYKE | 70579 | 105.0 | 106.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 3 | 1 | 1 | 0 |
| | | Fine grained/aphanatic to medium grained | 70580 | 106.0 | 107.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | equigranular light grey. 70% to 80% feldspar | 70581 | 107.0 | 108.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | and 5% to 15% hornblende. Minor calcite dissemi- | 70582 | 108.0 | 109.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | nated in parts and in veins, irregular 1-3mm and | 70583 | 109.0 | 110.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | at 30° to 60° to core axis. Chlorite along local | 70584 | 110.0 | 111.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | fauts. Fine disseminated pyrite and magnetite | 70585 | 111.0 | 112.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | Isolated hematite, disseminated in calcite or in | 70586 | 112.0 | 113.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | veins 1mm. Isolated pink feldspar veins 1-5mm. | 70587 | 113.0 | 114.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |

Key
O=Absent 1=Weak 5=Intense Pyrite: 1=<1% 2=1-5%
3=5-10% 4=10-20% F=Fine C=Coarse

DOME EXPLORATION (CANADA) LIMITED

Diamond Drill Record

Project 180

Hole No. 180 - 104



| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 70588 | 114.0 | 115.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 2 | 1 | 0 |
| | | | 70589 | 115.0 | 116.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 1 | 0 |
| | | | 70590 | 116.0 | 117.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 1 | 0 |
| | | | 70591 | 117.0 | 118.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 2 | 0 |
| | | | 70592 | 118.0 | 119.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 2 | 0 |
| | | Contact at 119.6m at 30° to core axis. | 70593 | 119.0 | 120.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 2 | 0 |
| | | | 70594 | 120.0 | 121.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 4 | 0 |
| | | | 70595 | 121.0 | 122.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 4 | 0 |
| | | | 70596 | 122.0 | 123.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 4 | 0 |
| | | | 70597 | 123.0 | 124.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 3 | 0 |
| | | | 70598 | 124.0 | 125.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 3 | 0 |
| | | | 70599 | 125.0 | 126.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 3 | 0 |
| | | | 70600 | 126.0 | 127.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 3 | 0 |
| | | | 70601 | 127.0 | 128.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 3 | 0 |
| | | 128.4m - 130.4m FELSIC DYKE | 70602 | 128.0 | 129.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 2 | 0 |
| | | Fine grained, equigranular, grey, with 70-80% | 70603 | 129.0 | 130.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | feldspar and 5% hornblende. Minor to moderate | 70604 | 130.0 | 131.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 2 | 0 |
| | | calcite disseminated and in irregular veins, | 70605 | 131.0 | 132.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 3 | 0 |
| | | 1-5mm. Chlorite along local faults. Fine dissemi- | 70606 | 132.0 | 133.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 3 | 0 |
| | | nated pyrite and magnetite. Contacts at about 60° | 70607 | 133.0 | 134.0 | 1.0 | .06 | .5 | .01 | 0 | 0 | 5 | 1 | 3 | 0 |
| | | to core axis. Isolated hematite disseminated in | 70608 | 134.0 | 135.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 3 | 0 |
| | | calcite. | 70609 | 135.0 | 136.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 3 | 0 |
| | | | 70610 | 136.0 | 137.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 4 | 0 |
| | | 137.0-138.1m FELSIC DYKE fine to medium grained, | 70611 | 137.0 | 138.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 3 | 0 |
| | | equigranular grey. Moderate calcite in veins at | 70612 | 138.0 | 139.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 3 | 0 |
| | | 30° to 80° to core axis. 1-25mm, chlorite along | 70613 | 139.0 | 140.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 3 | 0 |
| | | local faults. Fine disseminated pyrite and | 70614 | 140.0 | 141.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 4 | 0 |

Key
O=Absent 1=Weak 5=Intense Pyrite: 1=<1% 2=1-5%
3=5-10% 4=10-20% F=Fine C=Coarse

DOME EXPLORATION (CANADA) LIMITED

Diamond Drill Record

Project

Hole No. 180 - 104



| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | and magnetite. Contact at 137.0m at 30° to core | 70615 | 141.0 | 142.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 4 | 0 |
| | | axis. | 70616 | 142.0 | 143.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 4 | 0 |
| | | 139.3m fine disseminated magnetite. | 70617 | 143.0 | 144.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 4 | 0 |
| | | 144.1-174.0m FELSIC DYKE | 70618 | 144.0 | 145.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 2 | 0 |
| | | fine to medium grained, equigranular, grey, minor | 70619 | 145.0 | 146.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 2 | 0 |
| | | to moderate calcite, disseminated and in irregular | 70620 | 146.0 | 147.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | veins 1-10m and at 30° to 80° to core axis. | 70621 | 147.0 | 148.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | Chlorite along local fault. Fine disseminated | 70622 | 148.0 | 149.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | pyrite, irregular distribution of fine disseminated | 70623 | 149.0 | 150.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | magnetite. The colour varies between light and | 70624 | 150.0 | 151.0 | 1.0 | .05 | .5 | .02 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | dark grey. Isolated hornblende phenocrysts 5-10mm | 70625 | 151.0 | 152.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | Amount of feldspar varies from 50-80% and | 70626 | 152.0 | 153.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | hornblende between 5 and 50%. Isolated mafic | 70627 | 153.0 | 154.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | xenoliths, .5-2.0cm, rounded to subrounded | 70628 | 154.0 | 155.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | isolated pink feldspar veins 3-8mm. | 70629 | 155.0 | 156.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 70630 | 156.0 | 157.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 70631 | 157.0 | 158.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 70632 | 158.0 | 159.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 70633 | 159.0 | 160.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 70634 | 160.0 | 161.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 70635 | 161.0 | 162.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 70636 | 162.0 | 163.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 70637 | 163.0 | 164.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 70638 | 164.0 | 165.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | 160.2-160.4m diorite xenolith/ fragment or dyke | 70639 | 165.0 | 166.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | medium to coarse grained equigranular, 60% | 70640 | 166.0 | 167.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | hornblende, 40% feldspar and minor calcite. | 70641 | 167.0 | 168.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |

Key
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3=5-10% 4=10-20% F=Fine C=Coarse

DOME EXPLORATION (CANADA) LIMITED

Diamond Drill Record

Project 180

Hole No. 180 - 104



| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Contacts to felsic dyke at 70° and 40° to core | 70642 | 168.0 | 169.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | axis. Isolated mafic xenoliths rounded | 70643 | 169.0 | 170.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | 1-2cm. Fine disseminated pyrite. One xenolith is | 70644 | 170.0 | 171.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | cut by 5mm calcite vein. Contact at 174.0m at | 70645 | 171.0 | 172.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | 40° to core axis. | 70646 | 172.0 | 173.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 70647 | 173.0 | 174.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 1 | 1 | 2 | 0 |
| | | | 70648 | 174.0 | 175.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 2 | 3 | 0 |
| | | | 70649 | 175.0 | 176.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 3 | 0 |
| | | | 70650 | 176.0 | 177.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 4 | 0 |
| | | | 70651 | 177.0 | 178.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 4 | 0 |
| | | | 70652 | 178.0 | 179.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 3 | 0 |
| | | | 70653 | 179.0 | 180.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 2 | 2 | 0 |
| | | | 70654 | 180.0 | 181.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 3 | 0 |
| | | | 70655 | 181.0 | 182.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 3 | 1 | 3 | 0 |
| | | | 70656 | 182.0 | 183.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 2 | 0 |
| | | | 70657 | 183.0 | 184.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 4 | 0 |
| | | | 70658 | 184.0 | 185.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 4 | 0 |
| | | | 70659 | 185.0 | 186.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 3 | 0 |
| | | | 70660 | 186.0 | 187.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 3 | 0 |
| | | | 70661 | 187.0 | 188.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 2 | 3 | 0 |
| | | | 70662 | 188.0 | 189.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 2 | 3 | 0 |
| | | | 70663 | 189.0 | 190.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 3 | 0 |
| | | | 70664 | 190.0 | 191.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 2 | 3 | 0 |
| | | | 70665 | 191.0 | 192.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 4 | 0 |
| | | | 70666 | 192.0 | 193.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 2 | 3 | 0 |
| | | | 70667 | 193.0 | 194.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 2 | 0 |
| | | | 70668 | 194.0 | 195.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 2 | 4 | 0 |

Key
0=Absent 1=Weak 5=Intense Pyrite: 1=<1% 2=1-5%
3=5-10% 4=10-20% F=Fine C=Coarse

DOME EXPLORATION (CANADA) LIMITED

Diamond Drill Record

Project 180

Hole No. 180 - 104

Page No. 8 of 8

| Metres from | Metres to | Description | Sample No. | Metres from | Metres to | Length Metres | Au g/mt | Ag g/mt | Cu % | ACT | EPI | CAR | CHL | Pyrite F | Pyrite C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 70669 | 195.0 | 196.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 2 | 4 | 0 |
| | | | 70670 | 196.0 | 197.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 2 | 4 | 0 |
| | | | 70671 | 197.0 | 198.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 4 | 2 | 3 | 0 |
| | | | 70672 | 198.0 | 199.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 3 | 2 | 0 |
| | | 199.5-202.3m interlayered basalt of fine | 70673 | 199.0 | 200.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 2 | 4 | 0 |
| | | grained, light and dark grey, calcareous, tuff | 70674 | 200.0 | 201.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 4 | 0 |
| | | or siltstone, 3-30cm. The basalt has isolated | 70675 | 201.0 | 202.0 | 1.0 | .05 | .5 | .01 | 0 | 0 | 5 | 1 | 3 | 0 |
| | | tuff or siltstone fragments subrounded,.5-2.0cm. | 70676 | 202.0 | 203.3 | 1.3 | .05 | .5 | .01 | 0 | 0 | 4 | 1 | 4 | 0 |
| | | END OF HOLE 203.3m. | | | | | | | | | | | | | |

105+00 E
110+00 E
111+50 E
112+50 E
114+00 E
115+00 E
116+00 E
117+00 E
118+00 E
119+00 E
123+90 E
125+00 E
126+50 E
105+00 N
100+00 N
Baseline
1141
1100
1112
1050
1013
1006
1000
950
900
850
800
750
1285
QR1
QR2
QR3
QR4
LCP
Slide

55 -45 534.9m
84 -49.5 408.4m
94 -47.5 301.8m
83 -50 333.5m
93 -52.5 330.7m
103 -50.5 316.4m
104 -45.0 203.3m
105 -46.5 273.4m
92 -50 243.8m
87 -47.5 321.6m
102 -45.0 200.2m
86 -50 342.9m
85 -51 417.6m
82 -45 306.3m
91 -50 383.1m
99 -48.5 128.9m
100 -48.0 171.9m
101 -46.0 174.7m
88 -48.5 350.5m
89 -50 217.0m
95 96.0m
90 -50.5 167.6m
96 114.9m
97 122.5 m
98 137.3m

1982 Drill Holes: 55, 82-92
1983 Drill Holes: 93-105

GEOLOGICAL BRANCH
ASSESSMENT REPORT
11,486

DOME EXPLORATION (CANADA) LIMITED
PROJECT NO: 180 QR CLAIMS, B.C.
QUESNEL RIVER PROPERTY
DRILL PLAN

| SCALE | DATE | BY | N.T.S. No. | DWG No: |
|---|---|---|---|---|
| 1:2500 | 2-19-82 May 83 | DLP / PEF | 93 A/12 | 3 |