

LOG NO: 0920	RD.
ACTION:	
R.E. Gale and Associates Inc. 4338 Ruth Crescent, North Vancouver, B.C.	
FILE NO:	

LOG NO: 0226	RD. 4
ACTION: date received back from amendment.	
FILE NO:	

R.E. Gale and Associates Inc.
4338 Ruth Crescent, North Vancouver, B.C.

REPORT ON DRILLING
JACKIE GROUP

NANAIMO M.D. and ALBERNI M.D.
NTS 92L/1 and 92E/16
51° 01' N. 126° 10' W.

OWNER-CANAMIN RESOURCES LTD.
OPERATOR-DOROMIN RESOURCES LTD.

REPORT BY R.E. Gale, Ph.D., P.Eng.
September 5, 1989

SUBMIT ORDER RECEIVED
SEP 15 1989
M.D. # _____ \$ _____ VANCOUVER, B.C.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

19,084

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DRILL LOG

DRILL LOGIN POCKET

SUMMARY

During the period July 1, 1989 to July 31, 1989, DDH 89-1 was drilled on the Jackie Group of claims, Vancouver Island, by Doromin Resources Ltd. to test an overburden-covered area between the Lower Showing and outcrops of strongly pyritized carbonaceous argillite.

The drillhole intersected silicified and pyritized hornfels and limestone of the Middle Triassic Sediment-Sill unit at a point about 400 metres west of the contact with granodiorite of the Jurassic Island Intrusions. The hole was drilled to a depth of 102.62 Metres at an angle of 60 degrees.

Numerous sections of disseminated pyrite and pyrrhotite with traces of sphalerite chalcopryrite occur in the core, but no intersections of potential economic importance were found in DDH 89-1.

The drilling and surface examination does indicate that limestone host rocks which are potentially favorable for skarn mineralization are present in fairly thick beds, and pyrite and pyrrhotite are disseminated throughout an area of several hundred feet on the claims. Detailed geological mapping done in conjunction with ground magnetic and I.P. surveys over the whole claim area should determine the full extent and limits of the altered and mineralized zone to pinpoint the most favorable areas for further drilling.

INTRODUCTION

The writer was contracted to examine the Lower Showings on the Jackie claim and log the core in DDH 89-1 by Mr. Efrem Specogna of Doromin Resources Ltd.

In company with Mr. Specogna, the property was examined July 21, 1989. Upon completion of the drillhole, the drillcore was brought to Vancouver and on August 14, 1989, the core was logged and short interesting sections were sampled by taking whole sections of the core.

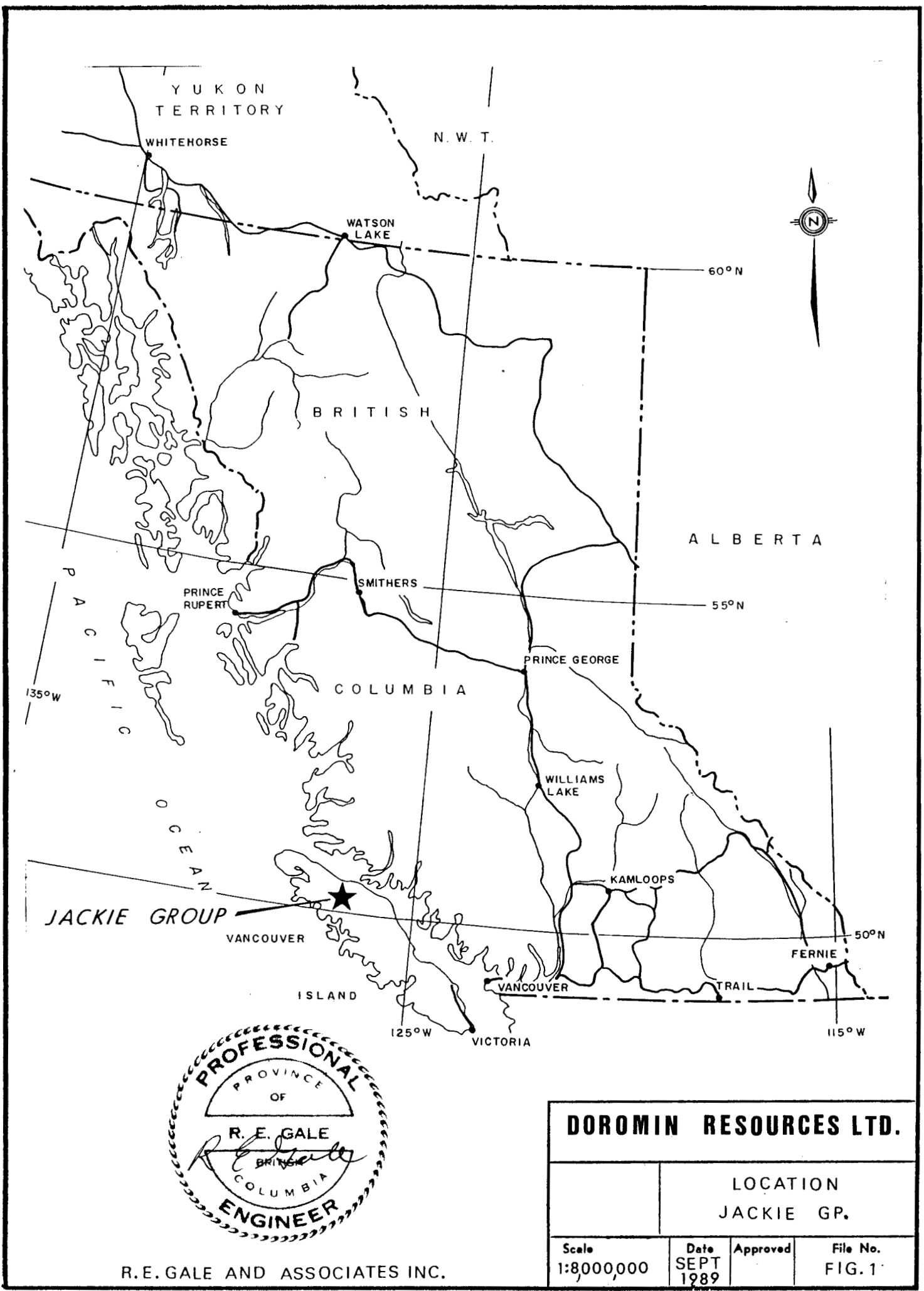
Drilling was done by Canex Drilling Corporation of 17-7449 Hume Ave., Delta, B.C. utilising a Hyracore 28 drill and BQWL size core. The remainder of the core which was not sampled is stored at their premises.

The results of this drill program and field examination are the subject of the present report.

LOCATION-ACCESS-PHYSIOGRAPHY

The Jackie claims are located about 27 kms. north of the town of Gold River, near the headwaters of the White River in north-central Vancouver Island. The claims are readily accessible by good gravel logging roads from Gold River. The location of the Jackie Group is shown in Figure 1.

The presently-known showings are located on the north part of the Jackie claim on moderately to very steep, heavily forest-covered ground with relatively few outcrops. Elevations here range from about 650 to 1000 metres (2000 to 3000 feet) above sea level. The best



JACKIE GROUP



R.E. GALE AND ASSOCIATES INC.

DOROMIN RESOURCES LTD.			
LOCATION JACKIE GP.			
Scale 1:800,000	Date SEPT 1989	Approved	File No. FIG. 1

exposures of rock occur along the few logging roads and the banks of the eastward-flowing creek which drains the north part of the Jackie claim.

Fir, Hemlock and Cedar are the main types of trees growing on the claims. Precipitation is typical of that for central Vancouver Island with abundant rainfall in the Summer and heavy snows in the Winter.

CLAIMS

The Jackie Group consists of 3 claims totalling 50 units, as follows:

<u>CLAIM NAME</u>	<u>RECORD NO.</u>	<u>NO. OF UNITS</u>
Jackie	2391	20
Jackie 2	2392	20
Bonbonaz 4	1866	10

The claims are recorded in the Nanaimo Mining Division in the name of Canamin Resources Ltd. and are held by Doromin Resources Ltd. under the terms of an option agreement with Canamin.

The claims have not been surveyed so that the exact position of the claims on the ground is not known. Figure 2 shows the position of the claims as plotted on the 92L/1 and 92E/16 claim maps.

PREVIOUS WORK

The Jackie claims were staked by Efrem Specogna in 1984 and in

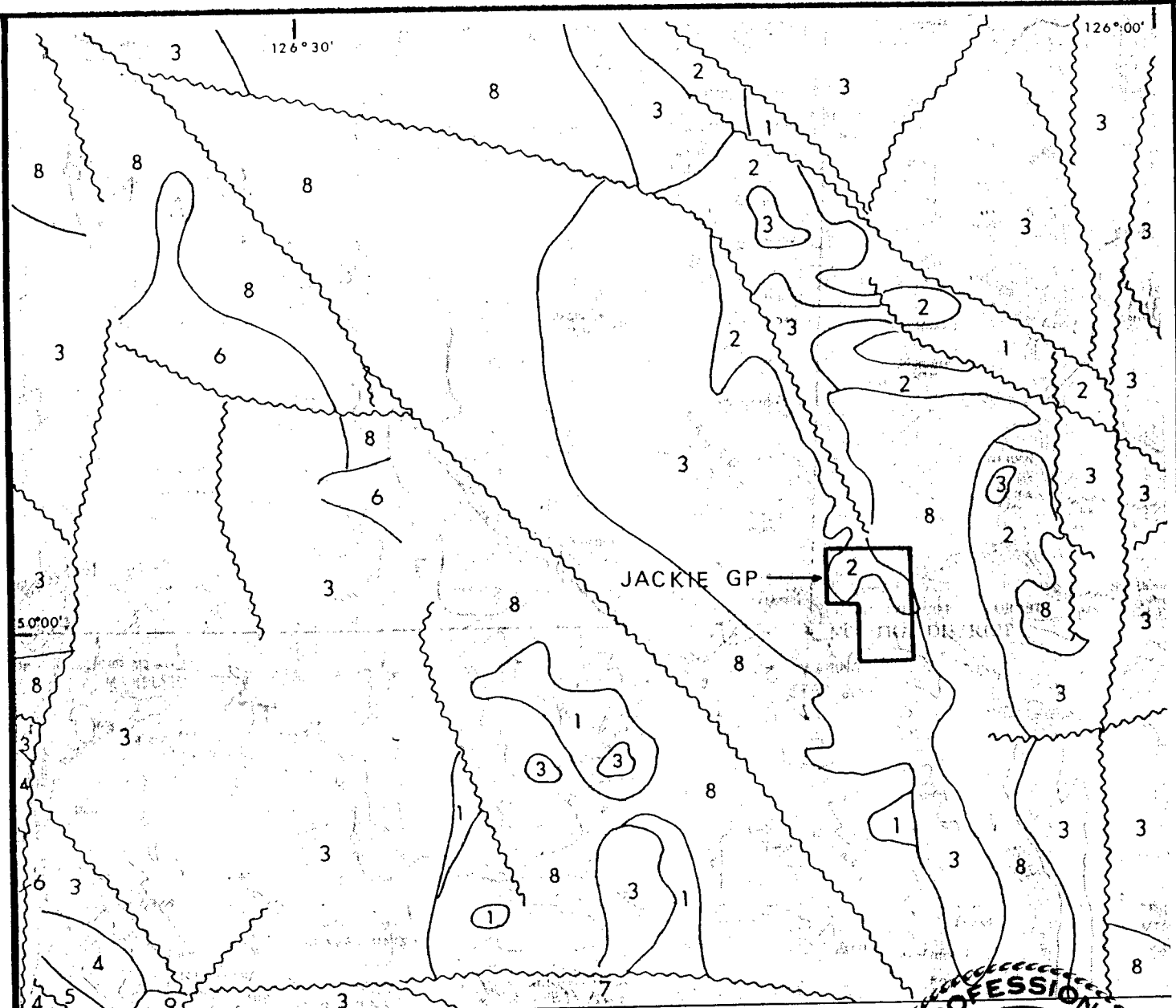
work done for Canamin Resources Ltd. several small showings were opened up in 1984 and 1985, as reported in Assessment Reports 14319 and 15223 by E. and M. Specogna.

Preliminary mapping and sampling of the showings at a scale of 1:5,000 was accomplished in 1987 by Thomae and Hawkins as reported in Assessment Report 16557.

REGIONAL GEOLOGY

The Jackie Group lies in the southeast corner of the area covered by GSC Map 1552A, Alert Bay-Cape Scott, mapped by Muller and Roddick in the late 1970's and early 1980's. According to the latter map, the southern part of the Jackie claims show outcrops of Late Triassic Karmutsen Formation striking NW and dipping flatly to the SW. Farther north on the claims and stratigraphically below the Karmutsen rocks are Triassic age rocks of the Sediment-Sill unit. To the north and east of the claims, the Sediment-Sill unit is intruded by Jurassic age granodiorite of the Island Intrusions, which here represents the western contact of a northerly trending tongue of intrusive 3 kms. wide and 30-40 kms. long.

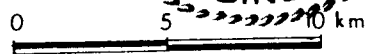
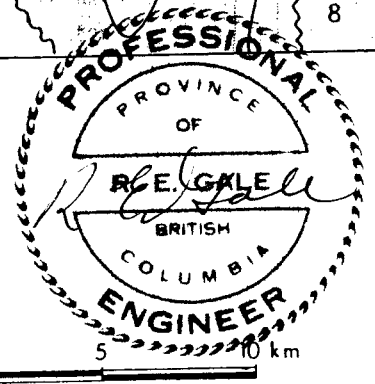
The main host rocks showing potential for mineralization on the Jackie claims are the Sediment-Sill unit rocks. The total thickness of the latter unit within the region is up to 900 metres. In some areas of Vancouver Island, the Sediment-Sill unit, which is usually composed of black shales and siltstones intruded by diabase sills, occurs above the Myra Formation and below the Buttle Lake Formation and is considered part of the Sicker Group of Devonian or older age. In the Jackie claims area, the Sediment-Sill unit appears to incorporate limestone beds, and in this area of Vancouver Island, the



GEOLOGY (after Muller, 1977)

- CENOZOIC**
 9 TERTIARY INTRUSIONS : quartz diorite
- JURASSIC**
 8 ISLAND INTRUSIONS : granodiorite, quartz diorite, granite quartz monzonite.
- UPPER PALEOZOIC AND/OR? TRIASSIC AND JURASSIC**
 7 WESTCOAST COMPLEX (silicic) : quartz-feldspar gneiss, metaquartzite, marble.
- LOWER JURASSIC**
 6 BONANZA GROUP : basaltic to rhyolitic tuff, breccia, flows, sills and dykes; minor argillite, greywacke.
- MIDDLE TO LATE TRIASSIC**
VANCOUVER GROUP
 5 PARSON BAY FORMATION : calcareous siltstone, greywacke, silty limestone, minor conglomerate, breccia.
 4 QUATSINO FORMATION : limestone
 3 KARMUTSEN FORMATION : pillow basalt, tuff, breccia minor flows.
 2 Sediment-sill unit: metasiltstone, diabase, limestone
- PALEOZOIC SICKER GROUP**
PENNSYLVANIAN AND PERMIAN
 1 Sicker sediments: metagreywacke, argillite, schist, marble.

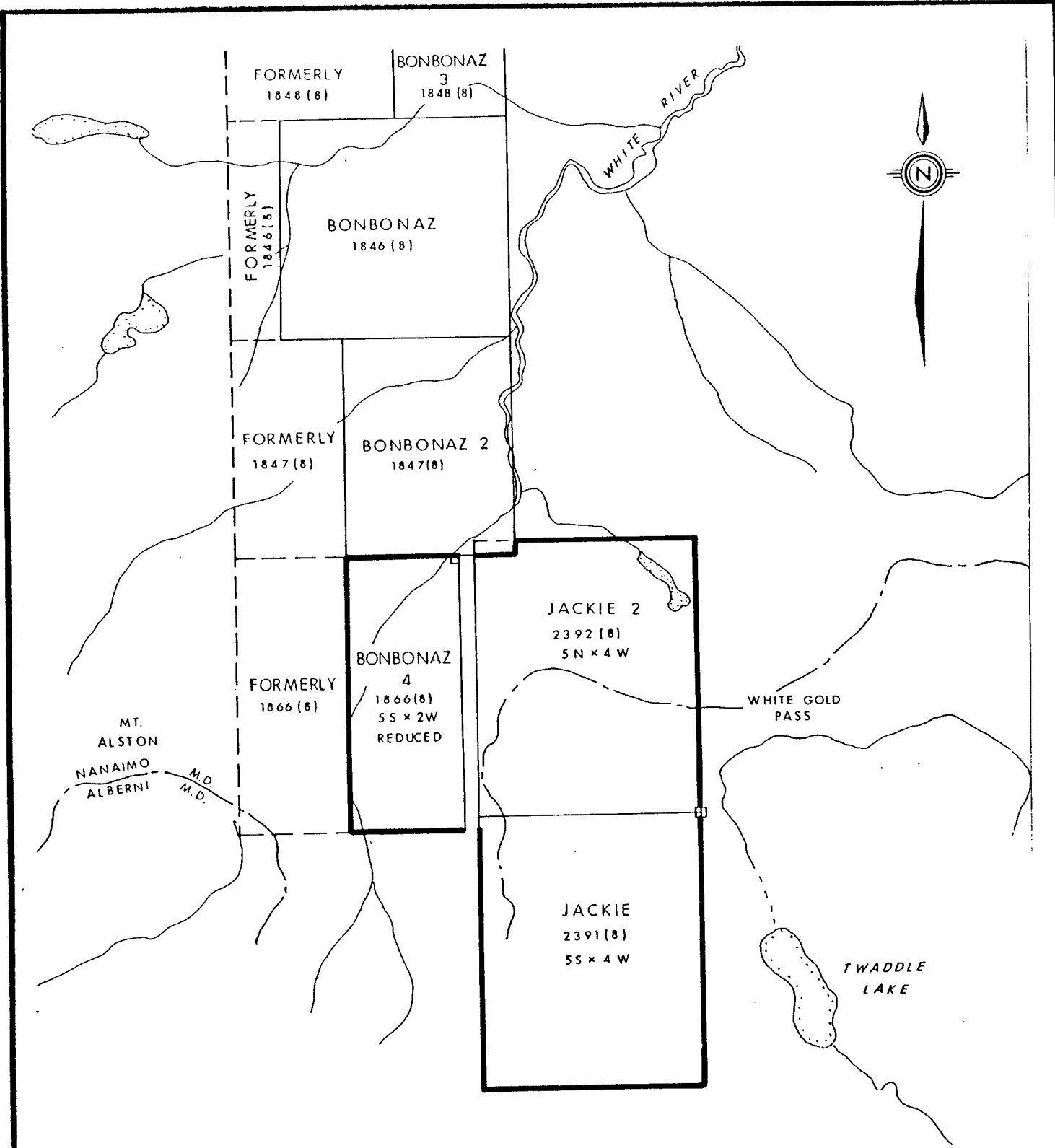
— Geologic contact
 ~~~~~ Fault (approximate)



R.E. GALE AND ASSOCIATES INC.

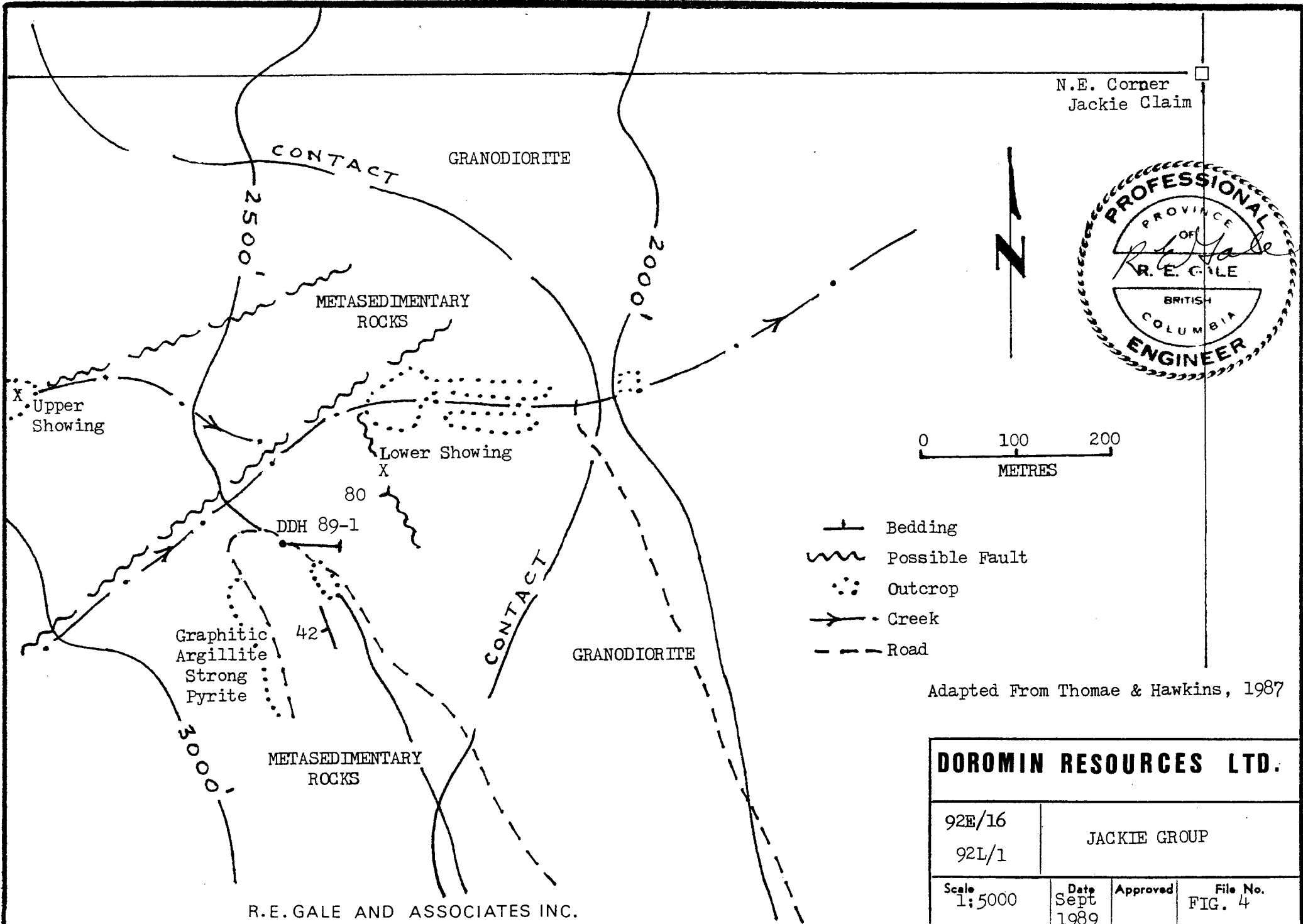
|                               |                      |          |                    |
|-------------------------------|----------------------|----------|--------------------|
| <b>DOROMIN RESOURCES LTD.</b> |                      |          |                    |
| <b>REGIONAL GEOLOGY</b>       |                      |          |                    |
| Scale<br>1: 250,000           | Date<br>SEPT<br>1989 | Approved | File No.<br>FIG. 3 |



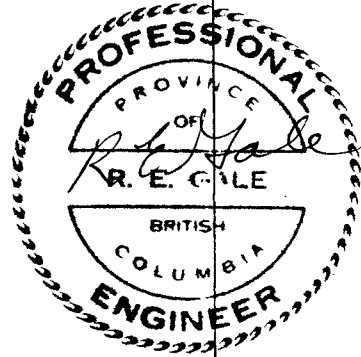


R.E. GALE AND ASSOCIATES INC.

|                               |           |          |          |
|-------------------------------|-----------|----------|----------|
| <b>DOROMIN RESOURCES LTD.</b> |           |          |          |
| <b>JACKIE GP. CLAIMS</b>      |           |          |          |
| Scale                         | Date      | Approved | File No. |
| 1:50,000                      | SEPT 1989 |          | FIG. 2   |



N.E. Corner  
Jackie Claim



0 100 200  
METRES

- +— Bedding
- ~~~~~ Possible Fault
- Outcrop
- >— Creek
- - - Road

Adapted From Thomae & Hawkins, 1987

R. E. GALE AND ASSOCIATES INC.

|                               |                      |          |                    |
|-------------------------------|----------------------|----------|--------------------|
| <b>DOROMIN RESOURCES LTD.</b> |                      |          |                    |
| 92E/16                        | JACKIE GROUP         |          |                    |
| 92L/1                         |                      |          |                    |
| Scale<br>1:5000               | Date<br>Sept<br>1989 | Approved | File No.<br>FIG. 4 |

Sediment-Sill unit may overlies the Sicker Group rocks and may be of Middle and Upper Triassic age.

The exact age and stratigraphic position of the mineralized rocks on the Jackie claims is therefore controversial and not firmly established at the present time.

## PROPERTY GEOLOGY

### GENERAL

Figure 4 is a sketch map of the property geology, derived mainly from the work by Thomae and Hawkins in 1987.

The showings on the Jackie claim occur in the northeasterly trending bulge of altered and pyritized metasedimentary rocks lying 300 to 400 metres west of the granodiorite contact.

At least two northeast trending faults probably cut the Sediment-Sill unit rocks along the axis of the bulge. Several narrow northeast trending feldspar porphyry dikes also cut the rocks along the same trend, and the alteration and mineralization may be spatially and temporally related to these dikes. Some alteration and mineralization may be related to the ill-defined contacts of diabase and andesite sills which constitute part of the sequence of sedimentary rocks.

### MINERALIZATION

Two showings termed the Upper and Lower showings were mapped by Thomae and Hawkins. The location of these showings is noted on Figure 4. Only the Lower Showing was examined during my examination.

#### Upper Showing

The showing is located on the north side of the easterly-flowing creek, which may be partly eroded along a northeast trending fault zone.

Galena, sphalerite, chalcopyrite and pyrite are said by Thomae and Hawkins to occur as banded discontinuous lenses and in quartz veins within argillite and chert in an area about 3 metres wide extending out a short distance from the creek. A chip sample by them across 1 metre of rock showing massive sulfide lenses assayed 26 g/t Ag., 0.03 g/t Au., 0.48% Cu., 8.20% Pb. and 4.80% Zn.

#### Lower Showing

The showing is located about 200 metres lower in elevation than the Upper Showing and on the same creek. A NW trending, steep-dipping shear zone forms a contact between dark green hornfels or andesite on the east side of a cut with white silicified limestone on the west side. Patches of sphalerite-galena-pyrite-chalcopyrite are associated with narrow veinlets of quartz and calcite within the shear zone. A picked sample of siliceous limestone from the zone is reported by Thomae and Hawkins to have assayed 21.9 ppm Ag., 685 ppb Au., 361 ppm Cu., 6399 ppm Pb. and 9535 ppm Zn.

#### DRILLING-1989

DDH 89-1 was spotted to test the overburden-covered interval north of outcrops of graphitic argillite, carrying possibly 10% pyrite, and south of the Lower Showing. The location of the hole is shown on Figure 4.

As noted in the drill logs accompanying this report, the hole cut mainly hornfels and chert with minor sulfides to a depth of 38.77 metres (118.25 feet) then entered limestone, altered limestone and hornfels to 78.03 metres ( 238.0 feet).

From 78.03 metres on, a fault zone in limestone, carbonaceous shale and hornfels with more abundant pyrite and pyrrhotite was

encountered, to the bottom of the hole at 102.62 metres (313 feet).

Character-type samples consisting of the entire core from better mineralized short sections of the hole was taken for assay in samples 061334 through 061343 (10 samples). The samples were assayed for 30 element I.C.P. plus Au. by F.A. Bead + A.A.

None of the samples assayed showed significant mineralization, the best assay result being 2093 ppm Zn. in sample 061340.

#### CONCLUSIONS AND RECOMMENDATIONS

Drilling of DDH 89-1 has demonstrated that there are significant thicknesses of limestone and large areas of disseminated pyrite and pyrrhotite present near a granodiorite contact on the Jackie claims, and further work should concentrate on defining the limits of the pyritized zone and determining if there are any sizeable skarn deposits formed in the limestone near the intrusive contact.

Detailed geological mapping in conjunction with ground magnetic and I.P. surveys should be carried out over the whole contact area to define new drill targets.

STATEMENT OF EXPENDITURES

According to the statement filed with the Mining Recorder August 15, 1989 by M. Specogna, Director of Doromin Resources, the following is the cost statement for the drillwork on the Jackie claims:

|                                                                                                                         |          |
|-------------------------------------------------------------------------------------------------------------------------|----------|
| Drilling by Canex Drilling Corporation -313 feet including mobilization and demobilization and room and board- 2 men... | \$15,000 |
| Consulting Fees and Report- R.E. Gale and Associates Inc. ...                                                           | 1,400    |
| Labour and expenses- Doromin Resources.....                                                                             | 2,400    |
|                                                                                                                         | -----    |
| Total                                                                                                                   | \$18,800 |



R.E. Gale, PhD., P. Eng.

R.E. Gale and Associates Inc.

September 5, 1989

Statement of Work

Jackie Project  
Cost Breakdown

Canex Driling

|                                     |            |
|-------------------------------------|------------|
| Mobilization-Demobilization         | \$3,000.00 |
| Drilling 313ft x \$31/ft            | 9,700.00   |
| Drill bits\fuel                     | 850.00     |
| Room & Board 2men x 10dys x \$70/dy | 1,400.00   |
| Core splitter rental                | 50.00      |

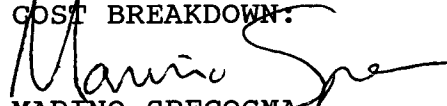
Labour & Expenses

|                         |          |
|-------------------------|----------|
| Truck rental            | 400.00   |
| 1man x 10dys x \$200/dy | 2,000.00 |

|                        |          |
|------------------------|----------|
| Geological Supervision | 1,400.00 |
|------------------------|----------|

|       |             |
|-------|-------------|
| TOTAL | \$18,800.00 |
|-------|-------------|

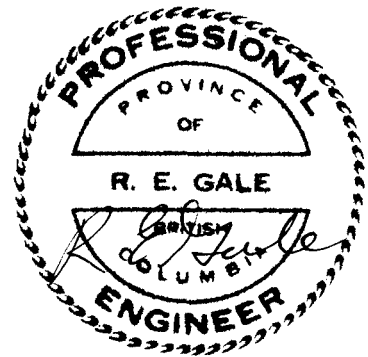
CERTIFIED TO BE A CORRECT  
COST BREAKDOWN:

  
MARINO SPECOGNA,  
DIRECTOR  
DOROMIN RESOURCES LTD.

## CERTIFICATE

I, Robert E. Gale, do hereby certify that:

1. I am a geological consultant with R.E. Gale and Associates Inc. with my office at 4338 Ruth Crescent, North Vancouver, British Columbia.
2. I graduated from Stanford University with a PhD. in geology in 1965.
3. I have been practicing my profession as a geologist for thirty four years.
4. I have been a member in good standing with the Association of Professional Engineers of British Columbia since 1966.
5. This report is based on my examination of the Jackie Prospect of Doromin Resources Ltd, the logging of drillcore from DDH 89-1 and the study of available data on the area.
6. I have no interest in the Jackie claims of Doromin Resources Ltd. or in Doromin Resources Ltd. or Canamin Resources Ltd shares, nor do I expect to receive any such interest.
7. This report on the Jackie Prospect of Doromin Resources Ltd. may be used for the corporate purposes of Doromin Resources Ltd., so long as none of the statements in the report are quoted out of context so as to change their meaning.



Robert E. Gale, PhD. P.Eng.  
R.E. Gale and Associates Inc.  
Sept. 5, 1989



## REFERENCES

- Muller, J.E. and Roddick, J.A., 1983-G.S.C. Map 1552A- Alert Bay, Cape Scott.
- Specogna, E., July, 1985-Prospector Report-Jackie Property, Assessment Report 14319.
- Specogna E. and Specogna M., July, 1986-Physical Work and Prospecting Report-Jackie Property, Assessment Report 15223.
- Thomae, B.Y. and Hawkins, T.G.-Oct. 9, 1987-Geological and Geochemical Report-Jackie Group, Assessment Report 16557.

APPENDIX

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B V AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Core AU\*\* ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 17 1989 DATE REPORT MAILED: Aug 24/89 SIGNED BY: *C. Long* .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DOROMIN RESOURCES File # 89-2978

| SAMPLE#    | Mo  | Cu  | Pb  | Zn   | Ag  | Ni  | Co  | Mn   | Fe   | As  | U   | Au  | Th  | Sr  | Cd  | Sb  | Bi  | V   | Ca   | P    | La  | Cr  | Mg   | Ba  | Ti  | B  | Al   | Na  | K   | W   | AU** |
|------------|-----|-----|-----|------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|------|-----|-----|----|------|-----|-----|-----|------|
|            | PPM | PPM | PPM | PPM  | PPM | PPM | PPM | PPM  | %    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %    | %    | PPM | PPM | %    | PPM | %   | %  | %    | %   | PPM | PPM |      |
| 061324     | 2   | 127 | 2   | 15   | .1  | 24  | 11  | 354  | 2.13 | 2   | 5   | ND  | 1   | 48  | 1   | 2   | 2   | 6   | 1.22 | .093 | 4   | 33  | .44  | 35  | .03 | 6  | 1.13 | .03 | .03 | 1   | 2    |
| 061325     | 2   | 36  | 5   | 30   | .3  | 31  | 13  | 1016 | 2.55 | 2   | 5   | ND  | 1   | 59  | 1   | 2   | 2   | 39  | 1.55 | .029 | 3   | 22  | .95  | 78  | .09 | 2  | 1.96 | .05 | .08 | 1   | 3    |
| 061326     | 1   | 5   | 5   | 47   | .1  | 17  | 10  | 1829 | 2.97 | 2   | 5   | ND  | 1   | 44  | 1   | 2   | 3   | 47  | .42  | .028 | 2   | 21  | 1.50 | 34  | .07 | 2  | 1.98 | .03 | .06 | 1   | 1    |
| 061327     | 1   | 39  | 4   | 95   | .1  | 55  | 19  | 483  | 4.01 | 3   | 5   | ND  | 1   | 18  | 1   | 2   | 2   | 58  | .15  | .024 | 4   | 22  | 1.34 | 43  | .12 | 6  | 1.92 | .03 | .40 | 1   | 3    |
| 061328     | 1   | 227 | 5   | 43   | .2  | 48  | 29  | 148  | 4.03 | 2   | 5   | ND  | 1   | 95  | 1   | 2   | 3   | 34  | 4.04 | .061 | 4   | 13  | .29  | 18  | .18 | 9  | 2.56 | .17 | .03 | 1   | 1    |
| 061329     | 2   | 191 | 7   | 99   | 1.0 | 34  | 19  | 224  | 2.29 | 11  | 5   | ND  | 1   | 89  | 1   | 2   | 2   | 33  | 7.73 | .048 | 5   | 11  | .28  | 57  | .15 | 18 | 1.31 | .06 | .02 | 1   | 2    |
| 061340     | 1   | 156 | 9   | 2093 | .1  | 47  | 21  | 152  | 4.27 | 42  | 5   | ND  | 1   | 72  | 9   | 2   | 2   | 104 | 2.12 | .045 | 3   | 47  | .75  | 33  | .15 | 2  | 1.81 | .09 | .10 | 1   | 1    |
| 061341     | 3   | 41  | 5   | 48   | .1  | 27  | 8   | 76   | 1.82 | 9   | 5   | ND  | 1   | 60  | 1   | 2   | 2   | 33  | 7.12 | .031 | 6   | 20  | .19  | 29  | .11 | 5  | 2.44 | .01 | .01 | 1   | 1    |
| 061342     | 1   | 54  | 2   | 145  | .2  | 31  | 14  | 120  | 4.31 | 22  | 5   | ND  | 1   | 87  | 1   | 2   | 2   | 115 | 2.56 | .028 | 7   | 51  | .75  | 29  | .25 | 12 | 3.37 | .07 | .09 | 1   | 1    |
| 061343     | 1   | 47  | 2   | 133  | .1  | 31  | 13  | 242  | 5.34 | 8   | 5   | ND  | 1   | 147 | 1   | 2   | 3   | 127 | 2.45 | .037 | 3   | 38  | 1.03 | 45  | .22 | 4  | 4.96 | .24 | .42 | 2   | 1    |
| STD C/AU-R | 18  | 58  | 38  | 132  | 6.8 | 70  | 31  | 967  | 4.03 | 43  | 21  | 7   | 36  | 48  | 19  | 14  | 22  | 59  | .50  | .086 | 39  | 52  | .90  | 178 | .07 | 34 | 1.89 | .06 | .15 | 12  | 520  |

CLAIM NO. ....

## DIAMOND DRILL RECORD

PROPERTY JACKIE PROSPECT HOLE NO. 89-1  
NANAIMO M.D. Page 1

LATITUDE \_\_\_\_\_ ELEVATION \_\_\_\_\_

BEARING 95° (AZIMUTH) DEPTH 102.62 M. STARTED JULY 1, 1989LOGGING COMPLETED AUG 14, 1989

DEPARTURE \_\_\_\_\_ SECTION \_\_\_\_\_

DIP -60°DRILLED BY CANEX DRILLING LOGGED BY R.E. GALE  
(HYDROCORE 28-BOWL)

FEET

0-27

27-46

46-69.5

69.5-83

| DEPTH<br>meters | FORMATION                                                                                                                                                                                                                                                         | SAMPLE<br>NO. | FROM<br>meters | TO<br>meters | WIDTH<br>meters | ASSAYS   |          |     |     |     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|--------------|-----------------|----------|----------|-----|-----|-----|
|                 |                                                                                                                                                                                                                                                                   |               |                |              |                 | oz. Au/t | oz. Ag/t | %Cu | %Pb | %Zn |
| 0-8.85          | OVERBURDEN                                                                                                                                                                                                                                                        |               |                |              |                 |          |          |     |     |     |
| 8.85-15.08      | BROWN TO GREY HORNFELS WITH PATCHES OF<br>PINK-WHITE ALTERATION AND TRACE TO<br>2% DISSEMINATED 1-2 MM BLEBS OF PYRITE.<br>ROCK VERY DENSE HARD OR CHERTY.<br>BANDING AT 90° / CORE AXIS. FRACTURES<br>AT 10 CM. INTERVALS AT 80° / CORE AXIS.<br>RECOVERY - 100% |               |                |              |                 |          |          |     |     |     |
| 15.08-22.79     | ROCK BECOMES MORE ALTERED - SILICIFIED WITH<br>PATCHES SILICA UP TO 20 CMS LONG. BANDING<br>AND FRACTURING SIMILAR TO FIRST INTERVAL.<br>UP TO 2% VERY FINE DISSEMINATED<br>PYRITE. SOME 3-6 CM. WIDE BANDS<br>OF BIOTITE REPLACEMENT. RECOVERY - 100%            |               |                |              |                 |          |          |     |     |     |
|                 | 21.64-22.30M. - SILICIFIED ZONE WITH 0.5CM<br>QUARTZ VEINLET - 20° / CORE AXIS AT<br>22.13M. RECOVERY - 100%                                                                                                                                                      |               |                |              |                 |          |          |     |     |     |
| 22.79-27.21     | AT 22.79 - 23.11M. - WHITE SILICEOUS<br>REPLACEMENT CUT BY BROWNISH VEINLET<br>0.5 CM. WIDE - 20° / CORE AXIS AND                                                                                                                                                 | 061334        | 22.79          | 23.11        | 0.32            |          |          |     |     |     |

Note:  
conversions  
inaccurate  
T.K.





# DIAMOND DRILL RECORD

CLAIM NO. ....

 PROPERTY JACKIE

 HOLE NO. 89-1

 Page 4

LATITUDE \_\_\_\_\_ ELEVATION \_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_ STARTED \_\_\_\_\_ COMPLETED \_\_\_\_\_

 DEPARTURE \_\_\_\_\_ SECTION \_\_\_\_\_ DIP \_\_\_\_\_ DRILLED BY \_\_\_\_\_ LOGGED BY R.E. GALE
FEET

| DEPTH<br>meters         | FORMATION                                                                                                                                                                                                                                     | SAMPLE<br>NO. | FROM<br>meters | TO<br>meters | WIDTH<br>meters | ASSAYS   |          |      |      |      |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|--------------|-----------------|----------|----------|------|------|------|
|                         |                                                                                                                                                                                                                                               |               |                |              |                 | oz. Au/t | oz. Ag/t | % Cu | % Pb | % Zn |
| 03.0-238.0              | 90% CORE RECOVERY.<br>DARK GREY DENSE PYRITIC HORNFELS, LIMY SHALE AND<br>THIN INTERBEDS OF LIMESTONE - SOME FRAGMENTAL<br>AND OOLITIC BANDING AT 70°/CORE AXIS<br>STRONGER PYRITE 75.74 - 76.39M - ROCK BADLY BROKEN                         |               |                |              |                 |          |          |      |      |      |
| 238.0-245.0             | AT 78.03M (238.0') ROCK BECOMES MORE BROKEN<br>GOUGY AND CARBONACEOUS ALSO MORE SHALY -<br>NUMEROUS SMALL QUARTZ, CALCITE AND PYRITE<br>VEINLETS, MANY AT 0°-10°/CORE AXIS. 90% RECOVERY.                                                     | 061341        | 75.74          | 76.39        | 0.65            |          |          |      |      |      |
| 245.0-278.0             | LIMESTONE, SILICIFIED LIMESTONE AND HORNFELS WITH<br>MODERATE PYRITE (2.5%) ROCK - LIGHT GREY IN COLOR.                                                                                                                                       |               |                |              |                 |          |          |      |      |      |
| 278.0-284.0             | AT 91.15M (278.0') 20°/CORE AXIS - ± IMM<br>QUARTZ-CALCITE VEINLETS AND STRONGER PYRITE (+5%)<br>BROWN DENSE HORNFELS W/ 20° CORE AXIS FRACTURES<br>THIN QUARTZ - CALCITE VEINLETS AND WEAK TO<br>MODERATE PYRITE ON FRACTURES. 100% RECOVERY | 061342        | 91.15          | 91.80        | 0.65            |          |          |      |      |      |
| 284.0-291.0             | DARK FINE GRAINED LIMESTONE CHANGING TO COARSE GRAINED<br>RECRYSTALLIZED LIMESTONE WITH TRACE EPIDOTE AT 95.4M. (291.0')                                                                                                                      |               |                |              |                 |          |          |      |      |      |
| 291.0-313.0<br>(BOTTOM) | DARK HORNFELS WITH NUMEROUS 20°/CORE AXIS AND<br>90°/CORE AXIS FRACTURES WITH PYRITE - PYRRHOTITE<br>VEINLETS. 100% RECOVERY                                                                                                                  | 061343        | 96.39          | 97.38        | 0.99            |          |          |      |      |      |