

86-553-15167

EXPLORATION

OWNER: COMINCO LTD.

WESTERN CANADA

NTS: 92 K/1E

DON PROPERTY

1986 ASSESSMENT REPORT ON

GEOLOGICAL MAPPING AND ROCK AND SOIL GEOCHEMICAL SURVEYS

VANCOUVER MINING DIVISION, B.C.

LATITUDE: 50°04'N

LONGITUDE: 124°03'W

OPERATOR: COMINCO LTD.

FIELD WORK: MAY 30-JULY 27, 1986

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

SEPTEMBER 1986

M.J. GRAY

15,167

SUB-REPORT SERIES
OCT 7 1986
M.R. # \$
VANCOUVER, B.C.

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TABLE OF CONTENTS

	<u>Page</u>
I SUMMARY.....	1
II INTRODUCTION.....	1
III LOCATION AND ACCESS.....	1
IV OWNERSHIP.....	2
V HISTORY.....	2
VI GEOLOGY.....	2
(a) Regional.....	2
(b) Property Geology.....	3
VII MINERALIZATION.....	4
(a) Lower Don Showing.....	4
(b) Star Showing.....	5
(c) Upper Don Showing.....	5
(d) South Showing.....	5
VIII ALTERATION.....	6
IX GEOPHYSICS.....	6
X GEOCHEMISTRY.....	7
(a) Soil Geochemistry.....	7
(b) Rock Geochemistry.....	7
XI DISCUSSION.....	7
XII CONCLUSIONS.....	8
XIII RECOMMENDATIONS.....	8

ATTACHMENTS

- APPENDIX A - Affidavit
- APPENDIX B - Statement of Expenditures
- APPENDIX C - Statement of Qualifications (2)
- APPENDIX D - Soil Geochemistry Data
- APPENDIX E - Rock Geochemistry Data

LIST OF FIGURES

- FIGURE 1 - Don Property Provincial Location Map 1:8,000,000
- FIGURE 2 - Location Map 1:400,000
- FIGURE 3 - Don Property Location Map 1:50,000

LIST OF MATERIAL IN POCKET

- PLATE 1 - Don Property Preliminary Geology 1:5,000
- PLATE 2 - Copper, Molybdenum Soil and Rock Geochemistry and Sample Locations 1:5,000

REFERENCES

- 1957 - BACON, W.R., Geology of Lower Jervis Inlet, British Columbia, B.C.D.M. Bulletin No. 39.
- 1985 - CARTER, N.C., Geological Report on the Don Molybdenum-Copper Prospect, Jervis Inlet Area.
- 1965 - HANSULD, J.A., Eh and pH in Geochemical Exploration, Annual General Meeting Toronto, March, 1965; Transactions, Vol. LXIX, 1966, pp. 77-84.

EXPLORATION
NTS: 92K/1

COMINCO LTD.

WESTERN CANADA
12 September 1986

DON PROPERTY
1986 ASSESSMENT REPORT
VANCOUVER MINING DIVISION, B.C.
LATITUDE: 50°04'N - LONGITUDE: 124°03'W

I SUMMARY

The Don porphyry Mo/Cu prospect is located 100 km north of Vancouver, B.C., 8 km north of the confluence of Princess Royal Reach (Jervis Inlet) and the Brittain River, NTS map sheet 92K/1. No previous systematic exploration surveys have been attempted on the property.

The property is underlain by a composite biotite porphyry granite stock of probable early Tertiary age, cored by a quartz feldspar porphyry granite phase. The stock intrudes granodiorites and diorites of the Coast Plutonic Complex. The quartz feldspar porphyry granite phase of the stock hosts the best Mo/Cu mineralization and strongest alteration. Mineralization consists of widespread, locally significant, but generally low grade molybdenite, chalcopyrite and pyrite. The most widespread and common alteration-types are sericite and quartz veinlets. Potassic alteration is developed locally and propylitic and argillic alteration is rare.

Fracture density in the biotite porphyry granite and quartz feldspar porphyry granite phase is characteristically blocky (1 fracture/30 cm). Near the Mo/Cu showings in McConnell Creek fracture density increases to weak (1 fracture/15 cm) to locally moderate (1 fracture/<10 cm).

The contour soil sampling survey defined a zone of anomalous Mo (>20 ppm) values, supported in part by anomalous Cu (>80 ppm) values. The Mo and Cu soil anomaly roughly coincides with the quartz feldspar porphyry granite phase of the stock.

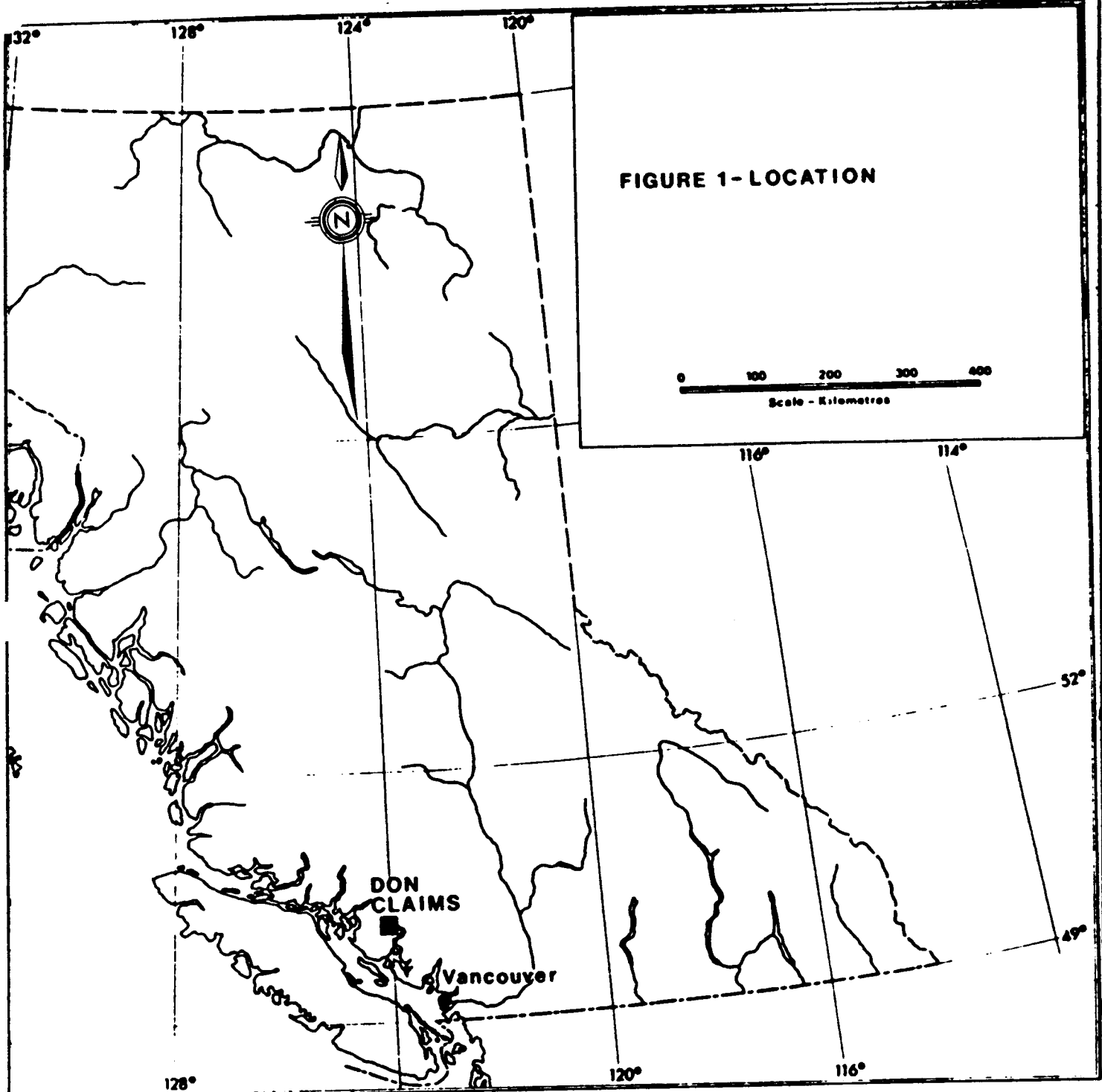
It is speculated that if a porphyry Mo/Cu deposit occurs on the property it lies at depth within the quartz feldspar porphyry granite phase of the stock.

II INTRODUCTION

The Don claims were optioned by Cominco Ltd. from Brittain River Resources in December, 1985. A small evaluation programme of contour soil sampling and reconnaissance-style mapping was conducted to define the size and shape of the Mo/Cu porphyry system.

III LOCATION AND ACCESS

The Don property is located in the Vancouver Mining Division of B.C., approximately 100 km north of Vancouver, NTS Map Sheet 92K/1 (Fig. 1). The claims are centred on coordinates of 50°04'N; 124°03'W (Fig. 2 and 3), 8 km north of the confluence between Princess Royal Reach of Jervis Inlet and the Brittain River.



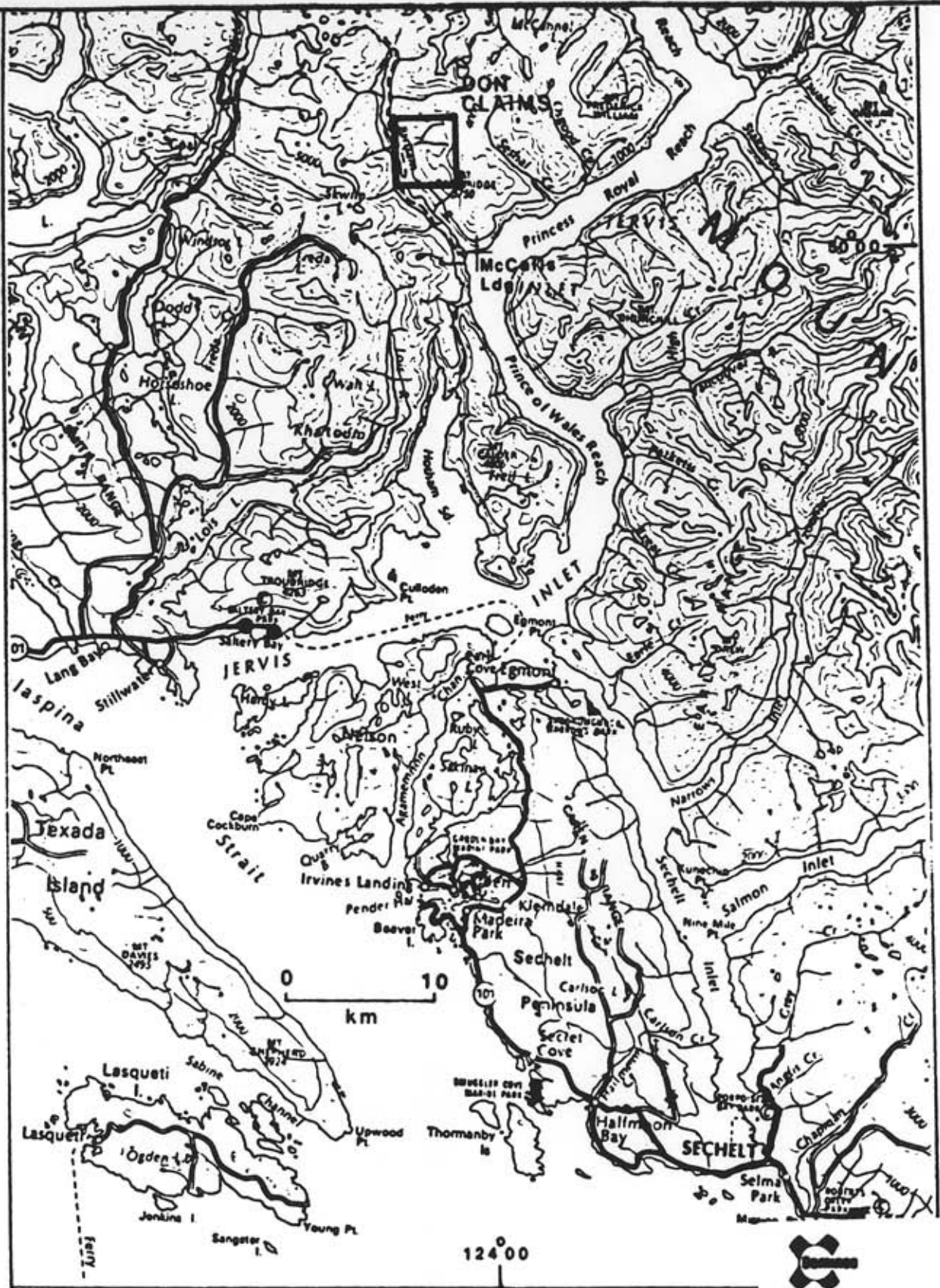
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Revised by	Date

DON PROPERTY PROVINCIAL LOCATION MAP

Scale: ~ 1:8,000,000

Date: 12 SEPT. 1986

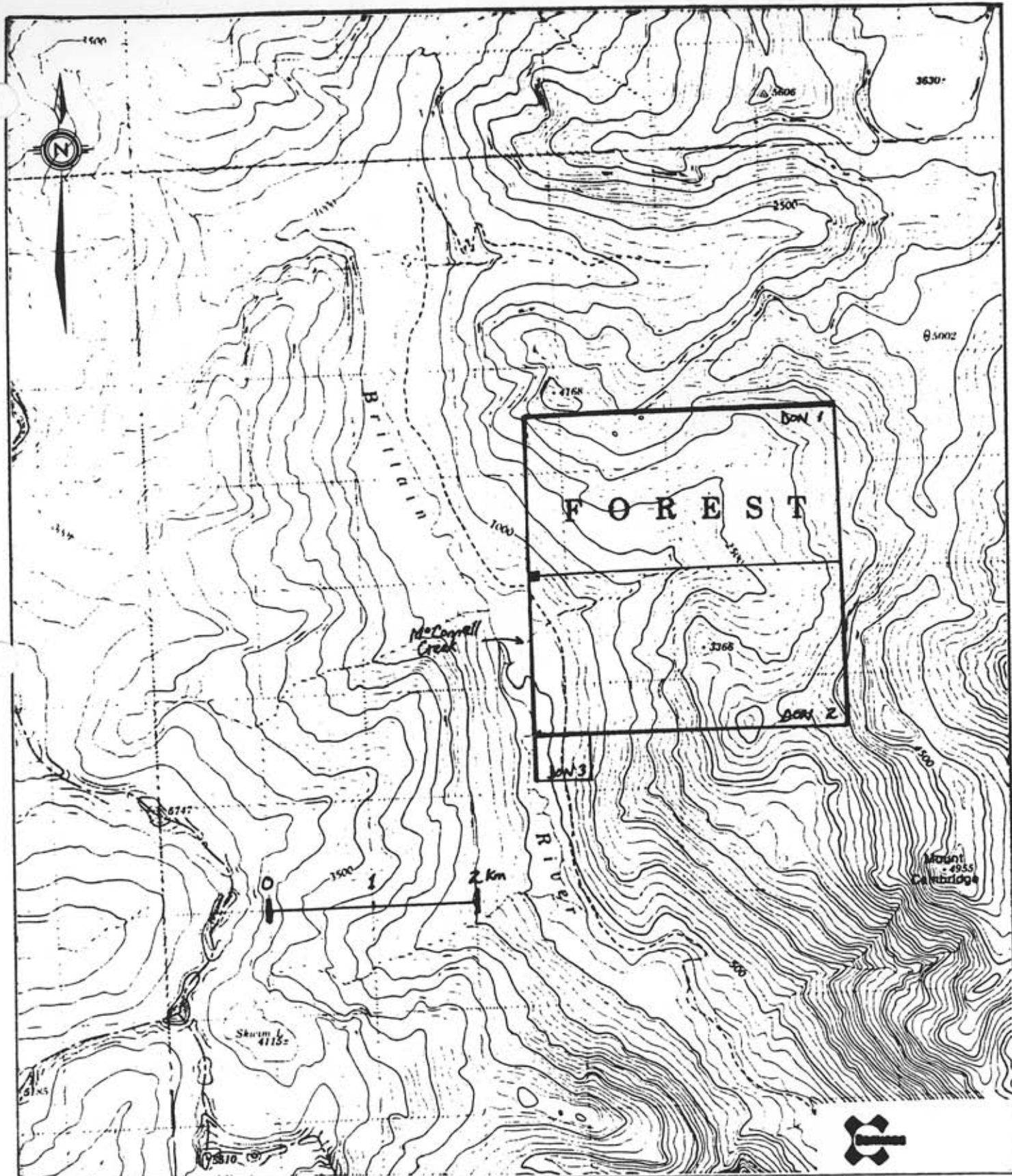
FIGURE: 1



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Revised by	Date	Revised by	Date

LOCATION MAP

Scale: 1:400,000 Date: 12 SEPT. 1986 FIGURE 2



Drawn by	Traced by
Revised by	Revised by
Date	Date

DON PROPERTY LOCATION MAP

Scale: 1:50,000 Date: 12 SEPT. 1986 Figure: 3

The property is accessed by helicopter from bases in either Vancouver, Powell River, or Sechelt or alternatively by float plane to McCall's Landing, then by truck 10 km up the west side of the Brittain River, and 1.5 km by foot up the east side of the valley. With the Brittain River bridge intact, the Don claims lie 10 km by road from tidewater.

The claim area is densely forested and covers moderate to steep slopes with relief of 1050 m. Clear cut logging and a forest fire in 1951 affected much of the topography below 500 m, which has resulted in the development of heavy undergrowth and second growth.

IV OWNERSHIP

The Don claims, owned by Brittain River Resources, are under option to Cominco Ltd. The property consists of three contiguous modified grid claims totalling 37 units. Pertinent claim data is listed below.

<u>Name of Claim</u>	<u>Units</u>	<u>Record Number</u>	<u>Date of Record</u>	<u>Assessment Work Due</u>
DON 1	18	1712	18 September 1984	18 September 1990
DON 2	18	1713	18 September 1984	18 September 1990
DON 3	1	1852	17 September 1985	17 September 1989

V HISTORY

Mineralized Mo/Cu float was first discovered in McConnell Creek by Don Knight while timber cruising in the Brittain River area in 1950. One rock sample collected for assay returned substantial molybdenum values and one ounce per ton silver.

In 1980, Knight returned to prospect the lower parts of McConnell Creek and located a number of angular float boulders mineralized with molybdenum and chalcopyrite. In 1984, two Mo/Cu showings were located by Knight who then staked three 18 unit claims, Don 1,2, and 3.

During the 1985 field season work on the claims included prospecting, helicopter pad construction and trail cutting. The Don 3 mineral claim was restaked as a one unit block in September 1985.

VI GEOLOGY

(a) Regional

The Jervis Inlet area is within the southwestern part of the Coast Crystalline Tectonic Belt. The geology is dominated by mid to late Cretaceous Coast Plutonic Complex rocks ranging in composition from granodiorite to diorite. Bacon (1957) shows a large dyke-like mass of younger quartz feldspar porphyry intruding these rocks on the west side of Princess Royal Reach. Minor roof pendants of early Cretaceous sediments and volcanics (Gambier Group) elongated in a north-northwest direction occur in the area. Examples of these pendants are exposed on Diadem Mountain and also near the Brittain River valley bottom approximately 3 km from Jervis Inlet, both just southwest of the Don property. A detailed description of the Lower Jervis Inlet geology is given in B.C.D.M. Bulletin No. 39.

(b) Property Geology

(i) Introduction

The oldest rocks mapped on the property are massive and foliated granodiorites of the Coast Plutonic Complex. The granodiorites have been intruded by a suspected Tertiary age composite biotite porphyry granite stock at least 2500 m x 2000 m in size cored by a quartz feldspar porphyry granite phase. Feldspar porphyry and aplite dykes cut the biotite porphyry granite stock. The rock descriptions below are based on field work, cobalt nitrate staining, thin sections, and some major oxide chemistry.

(ii) Unit 1 - Granodiorite

Granodiorite of the Coast Plutonic Complex outcrops in the east central part of the property. The best exposures are found mainly in creeks and on ridge tops. The granodiorite is grey, medium to coarse grained, melanocratic with hornblende and biotite (mafics total 25%). A north-south vertical foliation was observed in the granodiorite near its contact with the biotite porphyry granite. Round to ellipsoid xenoliths of diorite/gabbro are abundant throughout the granodiorite complex.

(iii) Unit 2a - Quartz Feldspar Porphyry Granite

Quartz feldspar porphyry granite occurs as a poorly defined core phase (500 m x 750 m) of the biotite porphyry granite stock. This phase hosts the best mineralization and strongest most extensive alteration. Exposures of Unit 2a are excellent in McConnell Creek but poor elsewhere. Although no contacts between Unit 2a and 2b were observed an approximate contact position based on stained slabs is shown in Plate 1. Unit 2a is blocky to weakly fractured but has distinct moderately fractured zones.

Unit 2a is light grey-white, leucocratic, fine to medium grained and distinctly porphyritic (quartz + feldspar phenocrysts). The mineralogy consists of quartz (25-35%), plagioclase (30-40%), potassium feldspar (25-35%) and biotite (3-5%). Quartz phenocrysts are 3-8 mm and average 4 mm in diameter. Weathered surfaces commonly have rusty brown limonitic coatings.

(iv) Unit 2b Biotite Porphyry Granite

Biotite porphyry granite of probable early Tertiary age forms the outer annulus of a composite stock cored by a crudely defined quartz feldspar porphyry granite phase. The biotite porphyry granite underlies most of the Don property and is well exposed in the west and east parts of McConnell Creek and in numerous small cliff-like exposures along the steep west facing slopes of the property. Fracture intensity is blocky overall, with local weakly-moderately fractured zones.

Biotite porphyry granite is typically light grey, leucocratic, fine to medium grained and weathers light grey. The mineralogy consists of quartz (35-45%), plagioclase (30-40%), potassium feldspar (15-20%) and biotite (5-10%) with 1-3% developed as biotite book phenocrysts. The biotite and locally quartz and feldspar develop as phenocrysts (3-4 mm) which gives the rock a subporphyric to porphyritic texture.

(v) Unit 3a Feldspar Porphyry Dykes

Feldspar porphyry dykes were observed to crosscut Unit 2a and 2b in four locations (Plate 1). The dykes strike east-west with vertical dips and vary in thickness from 0.5 to 3 metres. Dyke walls have vague chilled margins. Possible xenoliths of Unit 2a and 2b were noted in float boulders. One generation of quartz veins crosscut the dykes. Near the lower showing one dyke is well pyritized (1-5%) and shows weak clay alteration of feldspar phenocrysts. Thin sections of one dyke indicate a monzodiorite composition.

(vi) Unit 3b Aplite Dykes

Aplite dykes are found throughout Units 2a and 2b. The dykes are typically 2-30 cm thick with no preferred orientation, light beige and fine-grained. Thin sections indicate an adamellite composition. The dykes crosscut at least one generation of quartz veins. Aplite dykes are not altered and do not host Mo/Cu mineralization.

VII MINERALIZATION

The best mineralization and most extensive alteration coincides with the quartz feldspar porphyry granite core phase of the early Tertiary composite stock. A well defined east-west trending fracture zone along McConnell Creek may have controlled the emplacement of this phase and the mineralization as three of the four showings on the Don property are located within and immediately adjacent to McConnell Creek (Lower Don, Upper Don, and Star Showings). The fourth showing is on a steep slope 450 m south of McConnell Creek (South Showing), in an east-west fracture zone that parallels McConnell Creek.

(a) Lower Don Showing

The Lower Don Showing is situated in McConnell Creek between 420 and 475 m elevation. The showing is hosted by rocks of unit 2a which vary from mainly blocky to weakly fractured with local zones of moderate fracturing (1 fracture/<10 cm). Mineralization includes widespread locally significant but generally low grade chalcopyrite and molybdenite in quartz + sericite veinlets and sericite veinlets and molybdenite and pyrite in potassic veinlets. Locally spectacular molybdenite and/or chalcopyrite mineralization occurs with an early generation of milky white quartz veinlets typically 1-30 cm thick enveloped by 5-15 cm of coarse silvery sericite often with an outer .5 cm - 2 cm thick potassic envelope. Molybdenite commonly occurs as disseminations or coarse rosettes (up to 7 mm) in the sericite selvages bordering quartz veinlets. A later generation of 2-5 mm thick light grey quartz veinlets carry mainly pyrite. Pyrite (1-5%) is abundant throughout the showing area often with molybdenite and chalcopyrite or as disseminations replacing biotite in unit 2a.

Alteration consists of widespread generally weakly to moderately developed sericite and quartz veinlets, patchy locally strongly developed K-spar veinlets and pyritization. Argillic alteration is rare but noted in one vein as disseminations outside a potassic envelope.

A ten metre chip sample taken in 1985 returned 2300 ppm Cu, 1040 ppm Mo, <10 ppb Au, <4 ppm Pb, 88 ppm Zn, 1.4 ppm Ag and 2 ppm W. Grab samples returned highs of 2800 ppm Cu, 4100 ppm Mo, <10 ppb Au, <4 ppm Pb, 141 ppm Zn, 2.7 ppm Ag and 2 ppm W.

(b) Star Showing

The Star showing is exposed along a south flowing tributary to McConnell Creek, adjacent to the Lower Don showing (530 m elevation). The showing is hosted by unit 2a and characterized by generally weak-moderate fracturing (1 fracture/<15 cm), with local areas or patches of moderate fracturing (1 fracture/<10 cm). Mineralization consists of widespread generally low grade molybdenite, chalcopyrite, and pyrite. Chalcopyrite occurs with milky white 0.5-2 cm thick quartz veinlets and sericite veinlets. Molybdenite occurs mainly in sericite veinlets or in sericite-rich selvages on quartz veins and less commonly in quartz veins. It varies from fine disseminations to coarse rosettes (2-5 mm diameter). Some quartz veinlets show good open space filling textures such as drusy vugs and quartz combs. Pyrite averages 1-3% and occurs as disseminations within quartz and sericite veinlets associated with chalcopyrite and molybdenite and as replacements of biotite in Unit 2a.

Alteration consists of weakly to moderately developed sericite and quartz veinlets and locally moderately to strongly developed K-spar veinlets.

A representative one metre rock chip sample, returned values of 576 ppm Cu and 580 ppm Mo. Grab samples returned highs of 1940 ppm Cu and 1770 ppm Mo.

(c) Upper Don Showing

The Upper Don showing lies within McConnell Creek between elevations 685 m and 705 m. It is hosted by unit 2a which is blocky fractured (1 fracture/30 cm). The mineralization consists of widespread generally low grade chalcopyrite, molybdenite, and pyrite. The chalcopyrite and molybdenite occur in sericite and quartz + sericite veins. Pyrite averages 1-3% and occurs in sericite veins, disseminations in biotite in unit 2a and locally in quartz veins.

Alteration consists of weakly to moderately developed sericite veinlets (1-5 mm) and patchy weakly to moderately developed K-spar and quartz veinlets to weakly developed quartz stockworks. The alteration and mineralization intensity decrease toward the east part of the showing area.

A 1985, 4 m chip sample returned 558 ppm Cu, 1070 ppm Mo, <10 ppb Au, <4 ppm Pb, 79 ppm Zn, <.4 ppm Ag and 4 ppm W. Grab samples returned highs of 1190 ppm Cu, 380 ppm Mo, <10 ppm Au, <4; ppm Pb, 42 ppm Zn, 1.0 ppm Ag and <2 ppm W.

(d) South Showing

The South showing is situated in a small east-west trending narrow creek bed located approximately 450 m south of McConnell Creek at 625 m elevation. Exposure at the showing is limited to one outcrop of unit 2a, 1-2 m wide by 30 m long which is weakly to moderately fractured. The mineralization consists of disseminated molybdenite, and traces of chalcopyrite and approximately 2% pyrite in sericite veinlets, quartz veinlets and as replacements of biotite in unit 2a.

Alteration comprises weakly-moderately developed sericite veinlets, rare quartz veinlets and pervasive chloritization of biotite in unit 2a.

A 20 cm chip sample returned values of 576 ppm Cu and 2240 ppm Mo.

VIII ALTERATION

The most common alteration-types noted include pyrite and sericite and silica veinlets with variable but generally patchy weakly developed K-spar veinlets and rare argillic and propylitic-types. Major oxide analysis shows altered samples have been depleted in Na₂O and CaO and have had K₂O added.

Propylitic: Propylitic alteration consists of minor, patchy pervasive chloritization of biotite. An outer propylitic shell does not appear to exist on the Don property.

Argillic: Argillic alteration is generally absent. Where developed it is patchy and weak, selectively replacing feldspar phenocrysts usually associated with strong sericite/quartz/K-spar veining.

Sericitic: Sericite veining (veins <1 mm to 15 cm thick) is the most widespread and most common alteration on the property. It occurs throughout the Tertiary stock but is best developed in the quartz feldspar porphyry granite phase near the showing areas. The sericite is medium to coarse-grained, silvery green (muscovite) and stands out on weathered surfaces as medium grey-green coatings on fracture surfaces. The best Mo/Cu mineralization is associated with sericite veinlets.

Potassic: Potassium feldspar (K-spar) veinlets and disseminations occur in most of the showings as erratically distributed veinlets, veinlet swarms disseminations and as selvages (1-5 mm) on sericite and quartz veinlets. Secondary biotite has not developed as part of the potassic assemblage on the Don property.

Silicic: Quartz veinlets and veins are common in all the showings and within the quartz feldspar porphyry granite core, but also occur locally throughout the property. In the showings veinlets vary from isolated occurrences to weak stockworks and are generally white, 5-10 mm thick and locally exhibit comb and drusy textures. Some veinlets are translucent to smokey grey. A younger generation of quartz veins crosscut the narrow veinlets. The veins are milky white, 1-30 cm thick and well mineralized with chalcopyrite, molybdenite and pyrite.

Pyritization: Trace pyrite is common throughout the Tertiary stock, but is most common in the showing areas (1-5%) where it occurs mainly in sericite veinlets as disseminated brassy-yellow subhedral grains. Pyrite also occurs in quartz veinlets, as replacements of biotite and on fractures. A >1% pyrite contour (Plate 1) encompasses unit 2a and trends east-west paralleling McConnell Creek. Outside the showings pyrite generally occurs as disseminations on fractures or within biotite grains in Unit 2a and 2b and gives a blotchy brown appearance to the weathered surface.

IX GEOPHYSICS

None done during this programme.

X GEOCHEMISTRY

(a) Soil Geochemistry

During the programme, 321 soil samples were collected at 50 metre intervals along contour lines spaced approximately 200 m apart. The B Horizon was sampled where possible (depth of 20-60 cm) but where not available soil was alternatively collected from the A-C horizon transition (5-25cm). Field notes designate the horizon sampled at each station (see Appendix D).

The samples were sent in kraft paper envelopes to the Cominco Exploration Laboratory, 1486 E. Pender Street, Vancouver, B.C. Upon drying, the samples were sieved to -80 mesh size and digested with 20% nitric acid for atomic absorption analysis of Cu and digestion by aqua regia for atomic absorption analysis of Mo.

(b) Rock Geochemistry

At the same time as the soil geochemistry survey 11 rock samples were collected from the showing areas. Most samples were systematic chips designed to give representative surface concentrations of Mo/Cu. The samples were collected in plastic bags and sent to Cominco Exploration Laboratory, Vancouver, B.C. Samples were dried, crushed to 6 mm, and milled to -200 mesh. Aqua regia digestion was used for atomic absorption analysis for Cu and a perchloric and hydrochloric acid digestion for atomic absorption analysis of Mo.

XI DISCUSSION

The purpose of the contour soil geochemical survey was to establish the size of the Mo/Cu porphyry system and identify areas in which to concentrate mapping and prospecting.

Soil geochemistry outlined a broad 900 m x 500 m area of anomalous Mo (>20 ppm) values, with a 600 m x 300 m core of >40 ppm Mo which lies just south of and parallels McConnell Creek and coincides in part with the quartz feldspar porphyry granite. Copper values are locally elevated within this anomaly (>80 ppm), but are generally low throughout the rest of the property. It is felt that additional soil sampling adjacent to the showing areas within McConnell Creek would have expanded the >40 ppm Mo anomaly northward to enclose both this area and a larger portion of the quartz feldspar porphyry granite. Smaller anomalous Mo zones scattered throughout the rest of the property generally coincide with outcrops of weakly mineralized and altered blocky fractured biotite porphyry granite. The soil survey has partially outlined the core area of a large Tertiary stock and the area of most significant Mo/Cu mineralization and alteration.

A visual estimation of the Cu and Mo background and anomalous values, based on inspection of histograms, are tabled below.

	<u>Cu (ppm)</u>	<u>Mo (ppm)</u>
Range	1-444	<2 - 252
Background	<20	<5
Anomalous	>80	>20

Two soil samples from the strong Mo core anomaly (444 ppm Cu, 145 ppm Mo; 374 ppm Cu, 51 Mo) were also analyzed for Au,Ag,W,F and returned values of <10 ppb Au, <.4 ppm Ag, <2 ppm W, and 78-100 ppm F.

Soil profiles sampled in four locations on the property (Plates 2,3,4) indicate that Mo has not been concentrated in the organic A horizon. The low Cu values seen over most of the property may be explained by acidic soil conditions. Under these conditions the tendency is for Mo to be fixed by iron, whereas under similar pH conditions Cu is more soluble and will be leached.

Rock geochemical results have been discussed in the individual showing descriptions and outlined on Plate 2. Values range from traces of Mo/Cu (50-200 ppm Mo, 100-500 ppm Cu) to significant concentrations over various widths (1000-2200 Mo, 1000-2300 Cu).

XII CONCLUSIONS

Contour soil geochemistry has located a strong molybdenum soil anomaly supported in part by locally anomalous Cu values. This anomaly is partly coincident with the quartz feldspar porphyry granite core phase of a Tertiary stock which hosts the best Mo/Cu mineralization and strongest alteration on the property.

Mapping indicates that Mo/Cu mineralization and alteration intensity and fracture density decrease away from the quartz feldspar porphyry granite core phase of the Tertiary stock and the Mo/Cu soil anomaly.

It is felt that the best possibility for economic Mo/Cu mineralization may exist at depth within the quartz feldspar porphyry granite core phase.

XIII RECOMMENDATIONS

It is recommended that the large central Mo soil anomaly be covered with an IP survey and any significant chargeability anomalies percussion drilled.

Report by: Michael J. Gray
Michael J. Gray
GEOLOGIST

Endorsed by: M. J. Casselman
M.J. CASSELMAN
PROJECT GEOLOGIST

Approved for
Release by: W. J. Wolfe
W.J. WOLFE,
MANAGER, EXPLORATION-
WESTERN CANADA

APPENDIX "A"

EXPLORATION

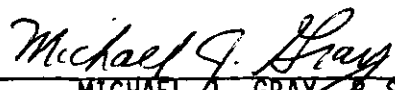
WESTERN CANADA

IN THE MATTER OF THE B.C. MINERAL ACT AND
IN THE MATTER OF A PRELIMINARY GEOLOGICAL AND GEOCHEMICAL SURVEY
CARRIED OUT ON THE MINERAL CLAIMS OF THE DON PROPERTY
LOCATED IN THE FORT STEELE MINING DIVISION OF THE PROVINCE OF
BRITISH COLUMBIA - MORE PARTICULARLY N.T.S. 92K/1

A F F I D A V I T

I, MICHAEL J. GRAY, OF THE DISTRICT OF VANCOUVER, IN THE PROVINCE OF BRITISH COLUMBIA, GEOLOGIST, MAKE OATH AND SAY:

1. THAT I AM EMPLOYED AS A GEOLOGIST ON A TEMPORARY BASIS BY COMINCO LTD., AND AS SUCH HAVE A PERSONAL KNOWLEDGE OF THE FACTS TO WHICH I HEREINAFTER DEPOSE;
2. THAT ANNEXED HERETO AND MARKED "APPENDIX B" TO THIS MY AFFIDAVIT IS A TRUE COPY OF EXPENDITURES OF A GEOLOGICAL MAPPING AND GEOCHEMICAL SAMPLING PROGRAMME CARRIED OUT ON THE DON PROPERTY.
3. THAT THE SAID EXPENDITURES WERE INCURRED BETWEEN THE 30TH DAY OF MAY, 1986 AND THE 6TH DAY OF SEPTEMBER 1986, FOR THE PURPOSE OF MINERAL EXPLORATION ON THE ABOVE NOTED PROPERTY.


MICHAEL J. GRAY, B.Sc.

APPENDIX "B"

STATEMENT OF EXPENDITURES

DON PROPERTY

(30TH MAY - 27TH JULY 1986)

Salaries		
M.J. Casselman	5 days @ \$230/day	\$ 1,150.00
M.J. Gray	14 days @ \$128.04/day	1,792.56
H. Kang	9 days @ \$128.04/day	1,152.36
J. Burton	1 day @ \$128.04/day	128.04
		<u>\$ 4,222.96</u>
Transportation:		
Fixed Wing		1,463.90
Helicopter		2,485.80
Truck Rental	8 days @ \$20/day	160.00
		<u>\$4,109.70</u>
Communication:		
Radio Rental & Fees		\$ 115.00
Domicile:		
Food		\$ 485.00
Cabin Rental		240.00
Camp Costs	11 days @ \$50/day	550.00
		<u>\$1,275.00</u>
Geochemistry		
321 Soils @ 5.25 ea.		\$1,685.25
11 Rocks @ 7.25 ea.		79.75
		<u>\$1,765.00</u>
Report Preparation		
Reporting writing 4 days		\$ 512.16
Drafting, map preparation & reproduction		648.00
		<u>\$1,160.16</u>
	<u>Total Expenditure:</u>	<u>\$12,648.32</u>

APPENDIX "C"

EXPLORATION

WESTERN CANADA

STATEMENT OF QUALIFICATIONS

I, MICHAEL J. GRAY, GEOLOGIST EMPLOYED BY COMINCO LTD. ON A TEMPORARY BASIS WITH BUSINESS ADDRESS IN VANCOUVER AND RESIDENTIAL ADDRESS IN SURREY, BRITISH COLUMBIA HEREBY CERTIFY THAT:

1. I HOLD A BACHELOR OF SCIENCE (GEOLOGY) DEGREE FROM THE UNIVERSITY OF BRITISH COLUMBIA AWARDED IN JUNE OF 1985.
2. I HAVE BEEN ACTIVELY INVOLVED IN MINERAL EXPLORATION THROUGHOUT BRITISH COLUMBIA AND YUKON TERRITORY FROM 1981 TO PRESENT.
3. I AM A MEMBER OF THE GEOLOGICAL ASSOCIATION OF CANADA.
4. I, CONDUCTED THE FIELD WORK ON THE DON PROPERTY AND HAVE INTERPRETED THE DATA RESULTING FROM THIS WORK.

DATED THIS 12th DAY OF SEPTEMBER 1986, AT VANCOUVER, BRITISH COLUMBIA.


MICHAEL J. GRAY, GEOLOGIST

APPENDIX "C"

EXPLORATION

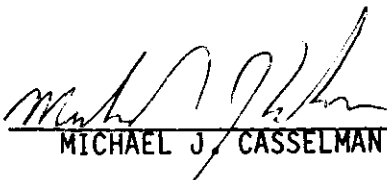
WESTERN CANADA

STATEMENT OF QUALIFICATIONS CONTINUED

I, MICHAEL J. CASSELMAN, OF THE CITY OF DELTA, BRITISH COLUMBIA, HEREBY CERTIFY:

- THAT I AM A GEOLOGIST, RESIDING AT 5989 BRIARWOOD CRESCENT, DELTA, BRITISH COLUMBIA, WITH A BUSINESS ADDRESS AT 700-409 GRANVILLE STREET, VANCOUVER, BRITISH COLUMBIA.
- THAT I GRADUATED WITH B.Sc. AND M.Sc. DEGREES IN GEOLOGY FROM THE UNIVERSITY OF BRITISH COLUMBIA IN 1969 AND CARLETON UNIVERSITY IN 1977.
- THAT I HAVE PRACTISED GEOLOGY WITH COMINCO LTD. FROM 1969 TO PRESENT.

DATED THIS 12th DAY OF SEPTEMBER 1986 AT VANCOUVER, BRITISH COLUMBIA.


MICHAEL J. CASSELMAN, M.Sc.

APPENDIX "D"

SOIL GEOCHEMISTRY DATA

ION PROPERTY-WD

JOB V 86-01735

REPORT DATE 19 JUN 1986

EXP LAB NUMBER	FIELD NO	MAP ZONE	EAST	NORTH	#	MAT'L ORIG	SITE	CLOUR	SIZE	ORG	DEPTH MET	WIDTH CM	FLOW SLOPE	HORIZ	PPT	pH	Cu PPM	Mo PPM
SB600468	001001		+725	50S		SOIL COLLU	DRY	MED-BROWN	SAND	MED	DRY	15	STEEP	C	.	.	62	21
SB600469	001022		+725	100S		SOIL COLLU	DRY	BROWN	SAND	MED	DRY	10	STEEP	C	.	.	28	5
SB600470	001023		+725	150S		SOIL COLLU	DRY	MED-GRAY	GRAVLY-SAND	MED	M'ST	20	STEEP	C	.	.	9	7
SB600471	001024		+725	200S		SOIL COLLU	DRY	BROWN	SAND	MED	DRY	15	STEEP	C	.	.	78	16
SB600472	001025		+725	250S		SOIL COLLU	DRY	RED	SAND	MED	M'ST	15	STEEP	C/B	.	.	86	21
SB600473	001026		+725	300S		SOIL COLLU	DRY	BROWN	SAND	LOW	DRY	20	STEEP	C	.	.	211	53
SB600474	001027		+725	350S		SOIL COLLU	DRY	GRAY	SAND	LOW	DRY	15	STEEP	C	.	.	2	2
SB600475	001028		+750	350S		SOIL RESID	DRY	MED-BLACK	SILT	HIGH	M'ST	07	STEEP	A	.	.	6	3
SB600476	001029		+750	350S		SOIL RESID	DRY	RED BLACK	SAND	HIGH	M'ST	05	STEEP	A	.	.	10	3
SB600477	001030		+725	400S		SOIL COLLU	DRY	LT-BROWN	SAND	LOW	DRY	10	STEEP	C	.	.	13	7
SB600478	001031		+725	450S		SOIL COLLU	DRY	LT-BROWN	SANDY-SILT	LOW	DRY	15	STEEP	C	.	.	18	9
SB600479	001032		+725	500S		SOIL COLLU	DRY	LT-BROWN	SAND	MED	DRY	15	STEEP	C	.	.	13	3
SB600480	001033		+725	550S		SOIL COLLU	DRY	BLACK	SANDY-SILT	MED	M'ST	40	STEEP	C/A	.	.	21	7
SB600481	001034		+725	600S		SOIL COLLU	DRY	LT-BROWN	SAND	LOW	DRY	20	STEEP	C	.	.	40	8
SB600482	001035		+725	650S		SOIL COLLU	DRY	LT-BROWN	SANDY-SILT	LOW	DRY	20	STEEP	C	.	.	11	2
SB600483	001036		+725	700S		SOIL COLLU	DRY	LT-BROWN	SAND	LOW	DRY	20	STEEP	C	.	.	22	6
SB600484	001037		+725	750S		SOIL COLLU	DRY	LT-BROWN	SAND	LOW	DRY	10	STEEP	C	.	.	24	6
SB600485	001038		+725	800S		SOIL COLLU	DRY	LT-GRAY	SAND	LOW	DRY	20	STEEP	C	.	.	8	3
SB600486	001039		+725	850S		SOIL COLLU	DRY	LT-BROWN	SAND	LOW	DRY	10	STEEP	C	.	.	21	7
SB600487	001040		+725	900S		SOIL COLLU	DRY	MED-BLACK	SAND	LOW	DRY	15	STEEP	C	.	.	28	5
SB600488	001041		+725	950S		SOIL COLLU	DRY	MED-BROWN	SAND	LOW	DRY	15	STEEP	C	.	.	45	13
SB600489	001042		+725	1000S		SOIL COLLU	DRY	MED-RED	SILT	MED	DRY	20	STEEP	C	.	.	11	6
SB600490	001043		+725	1050S		SOIL COLLU	DRY	MED-BLACK	SAND	HIGH	DRY	10	STEEP	C	.	.	11	12
SB600491	001044		+725	1100S		SOIL COLLU	DRY	MED-BLACK	SAND	HIGH	DRY	15	STEEP	A/c	.	.	6	2
SB600492	001045		+725	1150S		SOIL COLLU	DRY	LT-BROWN	SAND	LOW	DRY	20	STEEP	C	.	.	7	12
SB600493	001046		+725	1200S		SOIL COLLU	DRY	LT-RED	SAND	LOW	M'ST	20	STEEP	C	.	.	9	10
SB600494	001047		+725	1250S		SOIL COLLU	DRY	MED-BROWN	SAND	MED	M'ST	15	STEEP	A/c	.	.	6	3
SB600495	001053		+1250	50S		SOIL COLLU	DRY	MED-BROWN	SAND	MED	M'ST	25	STEEP	C	.	.	134	70
SB600496	001054		+1250	100S		SOIL COLLU	DRY	MED-GRAY	SAND	MED	M'ST	10	STEEP	C	.	.	21	67
SB600497	001055		+1250	150S		SOIL COLLU	DRY	MED-BROWN	SAND	MED	M'ST	20	STEEP	C	.	.	14	34
SB600498	001056		+1250	200S		SOIL COLLU	DRY	LT-BROWN	SAND	MED	DRY	25	STEEP	B	.	.	148	30
SB600499	001057		+1250	250S		SOIL COLLU	DRY	DR-GRAY	SILT	MED	M'ST	25	STEEP	A/c	.	.	8	12
SB600500	001058		+1250	300S		SOIL COLLU	DRY	LT-BLACK	SAND	MED	DRY	20	STEEP	A/c	.	.	2	12

SOIL PROFILE

EXP LAB FIELD		DEPTH MIRTH FLOW													Co	Mo		
NUMBER	NO	MAP ZONE	EAST	NORTH	#	MAT'L ORIG	SITE	COLOR	SIZE	ORG	MET	CM	SLOPE	HORIZ	PPT	PH	PPM	PPM
SB600501	001060		+1250	350S		SOIL RESID		DK -BROWN	SILTY -CLAY	HIGH	M'ST	20	STEEP	A	.		11	43
SB600502	001062		+1250	450S		SOIL RESID DRY		DK -BROWN	SANDY -SILT	MED	M'ST	30	STEEP	A/c	.		63	21
SB600503	001063		+1250	500S		SOIL COLLU DRY		MED-GREY	SAND	LOW	DRY	10	STEEP	C	.		7	8
SB600504	001064		+1250	550S		SOIL COLLU DRY		MED-BROWN	SANDY -SILT	LOW	DRY	10	STEEP	B/c	.		5	20
SB600505	001065		+1250	600S		SOIL COLLU DRY		MED-BROWN	SAND	LOW	DRY	10	STEEP	C	.		16	25
SB600506	001066		+1250	650S		SOIL COLLU DRY		LT -BLACK	SAND	MED	DRY	25	STEEP	A/c	.		7	11
SB600507	001067		+1250	700S		SOIL COLLU DRY		MED-GREY	SAND	LOW	DRY	10	STEEP	C	.		7	15
SB600508	001068		+1250	750S		SOIL COLLU DRY		LT -BLACK	SAND	HIGH	M'ST	15	STEEP	A	.		16	4
SB600509	001069		+1250	800S		SOIL RESID		MED-BLACK	SANDY -SILT	HIGH	M'ST	10	STEEP	C	.		11	5
SB600510	001070		+1250	850S		SOIL COLLU		MED-BROWN	SILT	MED	M'ST	15	STEEP	A/c	.		29	16
SB600511	001071		+1250	900S		SOIL COLLU DRY		LT -BLACK	SAND	MED	M'ST	20	STEEP	A/c	.		4	7
SB600512	001072		+1250	950S		SOIL COLLU DRY		MED-GREY	SAND	LOW	DRY	15	STEEP	C	.		7	4
SB600513	001075		+1250	1000S		SOIL COLLU		MED-BROWN	SAND	MED	DRY	20	STEEP	C	.		11	24
SB600514	001076		+1250	1050S		SOIL COLLU		DK -BROWN	SAND	HIGH	M'ST	20	STEEP	A/c	.		15	17
SB600515	001077		+1250	1100S		SOIL COLLU DRY		LT -BROWN	SILT	LOW	DRY	20	STEEP	B/c	.		3	9
SB600516	001078		+1250	1150S		SOIL COLLU DRY		LT -BLACK	SAND	LOW	DRY	5	STEEP	B/c	.		6	(2)
SB600517	001079		+1250	1200S		SOIL COLLU		LT -RED	SILT	LOW	DRY	25	STEEP	B	.		12	5
SB600518	001080		+1250	1200S		SOIL COLLU DRY		LT -BROWN	SAND	MED	DRY	20	STEEP	C	.		6	2
SB600519	001081		+1250	1200S		SOIL RESID		... BLACK	SILT	HIGH	DRY	5	STEEP	A	.		8	(2)
SB600520	001079		+2280	50S		SOIL COLLU DRY		LT -BROWN	SANDY -SILT	LOW	DRY	35	STEEP	B	.		9	(2)
SB600521	001050		+2280	100S		SOIL COLLU DRY		LT -BROWN	SILTY -CLAY	LOW	DRY	20	STEEP	B/c	.		9	(2)
SB600522	001051		+2280	150S		SOIL COLLU DRY		DK -BROWN	SANDY -SILT	LOW	DRY	30	STEEP	A/c	.		6	(2)
SB600523	001052		+2280	200S		SOIL COLLU DRY		LT -BROWN	SAND	LOW	DRY	15	STEEP	C	.		2	(2)
SB600524	001082		+2280	250S		SOIL COLLU		MED-GREY	SAND	MED	DRY	30	STEEP	A/c	.		6	5
SB600525	001083		+2280	300S		SOIL COLLU		DK -BROWN	SILT	MED	M'ST	30	STEEP	B	.		70	8
SB600526	001084		+2280	350S		SOIL COLLU		DK -BROWN	SILT	LOW	DRY	25	STEEP	B	.		28	3
SB600527	001085		+2280	400S		SOIL COLLU		LT -BROWN	SAND	MED	DRY	25	STEEP	B	.		42	22
SB600528	001086		+2280	450S		SOIL COLLU		MED-BROWN	SANDY -SILT	LOW	DRY	20	STEEP	B	.		75	32
SB600529	001088		+2280	500S		SOIL COLLU		MED-BROWN	SAND	MED	DRY	25	STEEP	B	.		28	18
SB600530	001089		+2280	550S		SOIL COLLU		DK -GREY	SAND	MED	DRY	15	STEEP	C	.		15	35
SB600531	001090		+2280	600S		SOIL COLLU		DK -BLACK	GRAVLY-SAND	MED	DRY	15	STEEP	C	.		37	18
SB600532	001091		+2280	650S		SOIL COLLU		MED-BROWN	SAND	LOW	DRY	20	STEEP	B	.		84	137
SB600533	001092		+2280	700S		SOIL COLLU		LT -BROWN	SANDY -SILT	LOW	DRY	40	STEEP	B	.		16	21
SB600534	001093		+2280	750S		SOIL COLLU		LT -BROWN	SAND	MED	DRY	10	STEEP	B	.		4	10
SB600535	001094		+2280	800S		SOIL COLLU		MED-GREY	SAND	MED	DRY	25	STEEP	C	.		11	10
SB600536	001095		+2280	850S		SOIL COLLU		MED-BLACK	SANDY -SILT	HIGH	DRY	35	STEEP	C	.		10	10

SOIL PROFILE

EXP LAB NUMBER	FIELD NO	MAP ZONE	EAST	NORTH	#	MAT'L ORIG	SITE	COLOUR	SIZE	ORG	DEPTH WIDTH FLOW			C _u PPM	M _d PPM		
											MET	CM	SLOPE HORIZ			PPT	pH
S8600537	001096		+2280	900S		SOIL COLLU		MED-GREY	SAND	MED	DRY	10	STEEP	C	.	9	13
S8600538	001097		+2280	950S		SOIL COLLU DRY		MED-GREY	SAND	LOW	DRY	25	STEEP	C	.	4	24
S8600539	001098		+2280	1000S		SOIL COLLU DRY		DK-GREY	GRAVLY-SAND	MED	M ST	5	STEEP	C	.	25	76
S8600540	001099		+2280	1100S		SOIL COLLU DRY		MED-BROWN	GRAVLY-SAND	LOW	DRY	10	STEEP	B	.	11	8
S8600541	001100		+2280	1200S		SOIL COLLU		LT-BROWN	SAND	LOW	DRY	15	STEEP	C	.	4	14
S8600542	001147		+2280	1300S		SOIL COLLU		LT-BROWN	SAND	MED	DRY	10	STEEP	B	.	5	10
S8600543	009860		+1250	100N		SOIL COLLU DRY		LT-BROWN	SANDY-SILT	LOW	DRY	10	STEEP	B/c	.	33	24
S8600544	009861		+1250	150N		SOIL COLLU DRY		LT-BROWN	SILT	LOW	DRY	5	STEEP	B/c	.	18	28
S8600545	009862		+1250	200N		SOIL COLLU DRY		MED-GREY	SILT	LOW	DRY	20	STEEP	C	.	2	12
S8600546	009863		+1250	250N		SOIL COLLU DRY		MED-BLACK	GRAVLY-SAND	MED	DRY	10	STEEP	A/c	.	93	33
S8600547	009864		+1250	300N		SOIL COLLU DRY		LT-BROWN	SANDY-SILT	LOW	DRY	5	STEEP	C	.	7	29
S8600548	009865		+1250	350N		SOIL COLLU DRY		MED-BROWN	SANDY-BOULDER	LOW	DRY	20	STEEP	C	.	20	14
S8600549	009866		+1250	400N		SOIL COLLU DRY		MED-GREY	SAND	LOW	DRY	30	STEEP	C	.	7	34
S8600550	009867		+1250	450N		SOIL COLLU DRY		MED-BROWN	SAND	LOW	DRY	20	STEEP	C	.	46	27
S8600551	009868		+1250	500N		SOIL COLLU DRY		DK-GREY	SAND	LOW	DRY	25	STEEP	C	.	3	19
S8600552	009869		+1250	550N		SOIL COLLU DRY		LT-BROWN	GRAVLY-SAND	LOW	DRY	10	STEEP	C	.	4	16
S8600553	009870		+1250	600N		SOIL COLLU DRY		DK-BLACK	SAND	LOW	DRY	20	STEEP	A/c	.	6	4
S8600554	009871		+1250	650N		SOIL COLLU DRY		DK-BLACK	GRAVLY-SAND	LOW	DRY	5	STEEP	C	.	4	3
S8600555	009872		+1250	700N		SOIL COLLU DRY		LT-BROWN	SANDY-SILT	LOW	DRY	10	STEEP	C	.	1	42
S8600556	009873		+1250	750N		SOIL COLLU DRY		LT-BROWN	SAND	LOW	DRY	5	STEEP	C	.	2	11
S8600557	009874		+1250	800N		SOIL COLLU DRY		LT-BROWN	SAND	LOW	DRY	10	STEEP	C	.	8	33
S8600558	009875		+1250	850N		SOIL COLLU DRY		DK-GREY	SAND	MED	DRY	15	STEEP	C	.	19	11
S8600559	009876		+1250	900N		SOIL COLLU DRY		MED-GREY	SAND	LOW	DRY	10	STEEP	C	.	1	12
S8600560	009877		+1250	950N		SOIL COLLU DRY		LT-BROWN	GRAVLY-SAND	LOW	DRY	10	STEEP	C	.	9	11
S8600561	009878		+1250	1000N		SOIL COLLU DRY		DK-GREY	SAND	LOW	DRY	5	STEEP	C	.	6	3
S8600562	009879		+1250	1050N		SOIL COLLU DRY		LT-BROWN	SAND	LOW	DRY	20	STEEP	C	.	9	12
S8600563	009880		+1250	1100N		SOIL COLLU DRY		MED-GREY	GRAVLY-SAND	LOW	DRY	10	STEEP	C	.	134	2
S8600564	009881		+1250	1150N		SOIL COLLU DRY		LT-BROWN	SILT	LOW	DRY	5	STEEP	C	.	1	12
S8600565	009066		+2300	0N		SOIL COLLU		LT-BROWN	SILT	LOW	DRY	15	STEEP	B	.	11	3
S8600566	009067		+2300	0N		SOIL COLLU DRY		LT-GREY	SAND	LOW	DRY	35	STEEP	C	.	1	14
S8600567	009068		+2300	0N		SOIL RESID DRY		DK-BROWN	SILTY-CLAY	HIGH	M ST	5	STEEP	A	.	5	4
S8600568	009069		+2300	50N		SOIL COLLU DRY		MED-BROWN	SILTY-CLAY	LOW	M ST	25	STEEP	B/c	.	11	2
S8600569	009070		+2300	100N		SOIL COLLU DRY		DK-BROWN	SANDY-SILT	MED	M ST	25	STEEP	B	.	5	19
S8600570	009071		+2300	150N		SOIL COLLU DRY		DK-BROWN	SANDY-SILT	MED	DRY	30	STEEP	A/c	.	1	12
S8600571	009072		+2300	200N		SOIL COLLU DRY		DK-GREY	SANDY-SILT	LOW	DRY	30	STEEP	B	.	11	3
S8600572	009073		+2300	250N		SOIL ALLUV DRY		DK-GREY	SILTY-CLAY	MED	M ST	45	STEEP	B	.	2	25

SOIL PROFILE

EXP LAB FIELD		DEPTH WIDTH FLOW												Cu	Mo			
NUMBER	NO	MAP ZONE	EAST	NORTH	#	MAT'L ORIG	SITE	COLOR	SIZE	ORG	MET	CM	SLOPE	HORIZ	PPT	pH	PPM	PPM
SB600573	009074		+2300	300N		SOIL COLLU	DRY	MED-BROWN	SANDY -SILT	MED	N'ST	25	STEEP	B	.	.	2	51
SB600574	009075		+2300	350N		SOIL COLLU	DRY	DN -GREY	SANDY -SILT	LOW	N'ST	40	STEEP	B	.	.	1	42
SB600575	009076		+2300	400N		SOIL COLLU	DRY	DN -GREY	SILTY -CLAY	LOW	N'ST	15	STEEP	B	.	.	2	36
SB600576	009077		+2300	450N		SOIL COLLU	DRY	LT -BROWN	SANDY -SILT	LOW	DRY	30	STEEP	C	.	.	2	76
SB600577	009078		+2300	500N		SOIL COLLU	DRY	DN -GREY	SANDY -SILT	LOW	N'ST	20	STEEP	C	.	.	4	150
SB600578	009079		+2300	550N		SOIL COLLU	DRY	LT -BROWN	SANDY -SILT	LOW	N'ST	15	STEEP	C	.	.	3	8
SB600579	009080		+2300	600N		SOIL COLLU	DRY	LT -BROWN	SANDY -SILT	LOW	N'ST	30	STEEP	C	.	.	2	7
SB600580	009081		+2300	650N		SOIL COLLU	DRY	DN -GREY	SANDY -SILT	LOW	DRY	15	STEEP	C	.	.	10	13
SB600581	009082		+2300	700N		SOIL COLLU	DRY	MED-BROWN	SAND	LOW	DRY	10	STEEP	B/c	.	.	5	61
SB600582	009084		+2300	800N		SOIL COLLU	DRY	LT -GREY	SAND	LOW	DRY	10	STEEP	C	.	.	2	5
SB600583	009085		+2300	850N		SOIL COLLU	DRY	DN -BROWN	GRAVLY-SAND	LOW	DRY	20	STEEP	C	.	.	6	2
SB600584	001168		+750	50N		SOIL COLLU	DRY	LT -BROWN	SANDY -SILT	LOW	DRY	10	STEEP	C	.	.	10	8
SB600585	001167		+750	100N		SOIL COLLU		MED-GREY	SANDY -SILT	LOW	DRY	5	STEEP	B/c	.	.	2	7
SB600586	001166		+750	150N		SOIL ALLUV	DRY	LT -BROWN	SANDY -SILT	LOW	DRY	25	STEEP	B/c	.	.	39	7
SB600587	001165		+750	200N		SOIL COLLU	DRY	LT -BROWN	SILT	LOW	DRY	5	STEEP	C	.	.	4	22
SB600588	001164		+750	250N		SOIL COLLU	DRY	DN -BROWN	SANDY -SILT	NIGH	N'ST	20	STEEP	A/c	.	.	52	28
SB600589	001163		+750	300N		SOIL COLLU	DRY	MED-GREY	SANDY -BOULDER	LOW	DRY	30	STEEP	C	.	.	1	16
SB600590	001162		+750	350N		SOIL COLLU	DRY	DN -BROWN	GRAVLY-SAND	LOW	DRY	25	STEEP	A/c	.	.	8	7
SB600591	001161		+750	400N		SOIL COLLU	DRY	DN -BROWN	GRAVLY-SAND	MED	DRY	25	STEEP	A/c	.	.	32	13
SB600592	001160		+750	450N		SOIL COLLU	DRY	MED-BROWN	SANDY -BOULDER	LOW	DRY	15	STEEP	A/c	.	.	11	11
SB600593	001159		+750	500N		SOIL ALLUV		MED-BROWN	SAND	LOW	DRY	15	STEEP	C	.	.	14	14
SB600594	001158		+750	550N		SOIL COLLU		MED-BROWN	GRAVLY-SAND	LOW	DRY	15	STEEP	C	.	.	19	19
SB600595	001157		+750	600N		SOIL COLLU	DRY	MED-GREY	GRAVLY-SAND	LOW	DRY	10	STEEP	C	.	.	4	7
SB600596	001156		+750	650N		SOIL COLLU		LT -BROWN	GRAVLY-SAND	LOW	DRY	20	STEEP	C	.	.	3	10
SB600597	009086		+2300	900N		SOIL COLLU	DRY	LT -GREY	GRAVLY-SAND	LOW	DRY	5	STEEP	C	.	.	3	62
SB600598	009087		+2300	950N		SOIL COLLU	DRY	MED-BROWN	SAND	LOW	DRY	20	STEEP	B/c	.	.	5	14
SB600599	009088		+2300	1000N		SOIL COLLU	DRY	DN -GREY	GRAVLY-SAND	LOW	N'ST	5	STEEP	C	.	.	15	3
SB600600	009089		+2300	1050N		SOIL COLLU	DRY	MED-BROWN	GRAVLY-SAND	LOW	N'ST	10	STEEP	C	.	.	15	25
SB600601	009090		+2300	1100N		SOIL COLLU	DRY	MED-BROWN	SANDY -SILT	LOW	DRY	10	STEEP	C	.	.	10	37
SB600602	009091		+2300	1150N		SOIL COLLU	DRY	LT -BLACK	SAND	LOW	DRY	5	STEEP	C	.	.	2	9
SB600603	009092		+2300	1200N		SOIL COLLU	DRY	LT -BROWN	GRAVLY-SAND	LOW	DRY	10	STEEP	C	.	.	13	4
SB600604	009093		+2300	1250N		SOIL COLLU	DRY	LT -BLACK	SANDY -SILT	MED	DRY	10	STEEP	A/c	.	.	20	31
SB600605	009094		+2300	1300N		SOIL COLLU	DRY	MED-GREY	SANDY -SILT	LOW	DRY	5	STEEP	C	.	.	9	9
SB600606	009095		+2300	1350N		SOIL COLLU	DRY	LT -BROWN	GRAVLY-SAND	LOW	DRY	10	STEEP	C	.	.	19	14
SB600607	009001		+1800	50N		SOIL COLLU		MED-BROWN	GRAVLY-SAND	LOW	DRY	5	STEEP	C	.	.	263	30
SB600608	009002		+1800	100N		SOIL COLLU	DRY	MED-BROWN	SANDY -SILT	LOW	DRY	20	STEEP	B	.	.	14	9

EXP LAB	FIELD														CU	Mo			
NUMBER	NO	MAP ZONE	EAST	NORTH	MAT'L ORIG	SITE	COLOUR	SIZE	ORG	NET CM	DEPTH	WIDTH	FLOW	SLOPE	HORIZ	PPT	pH	PPM	PPM
SB600609	009003		+1800	150N	SOIL COLLU DRY		MED-BROWN	SANDY -SILT	LOW	DRY	15	STEEP	B					5	(2
SB600610	009004		+1800	200N	SOIL COLLU DRY		LT -BROWN	SAND	LOW	DRY	20	STEEP	B/c					24	} SOIL PROFILE
SB600611	009005		+1800	200N	SOIL COLLU DRY		MED-BROWN	SANDY -SILT	LOW	DRY	25	STEEP	B/c				65	24	
SB600612	009006		+1800	250N	SOIL COLLU DRY		MED-BROWN	SANDY -SILT	LOW	DRY	15	STEEP	C				25	4	
SB600613	009007		+1800	300N	SOIL COLLU DRY		LT -BROWN	SILT	LOW	DRY	30	STEEP	B					28	22
SB600614	009008		+1800	350N	SOIL COLLU DRY		MED-GRY	SANDY -SILT	LOW	DRY	15	STEEP	B/c					5	5
SB600615	009009		+1800	400N	SOIL COLLU DRY		MED-BROWN	SANDY -SILT	LOW	DRY	10	STEEP	B					10	10
SB600616	009010		+1800	450N	SOIL COLLU DRY		MED-GRY	SAND	LOW	DRY	15	STEEP	C					1	2
SB600617	009011		+1800	500N	SOIL COLLU DRY		DK -GRY	SILT	LOW	DRY	20	STEEP	A/c					1	2
SB600618	009012		+1800	550N	SOIL COLLU DRY		DK -GRY	SANDY -SILT	LOW	DRY	15	STEEP	C					19	10
SB600619	009018		+1800	600N	SOIL COLLU DRY		LT -BROWN	SANDY -SILT	LOW	DRY	10	STEEP	B/c					11	72
SB600620	009019		+1800	650N	SOIL COLLU DRY		LT -BROWN	SILT	LOW	DRY	10	STEEP	B					10	38
SB600621	009020		+1800	700N	SOIL COLLU DRY		LT -BROWN	GRAVLY-SAND	LOW	DRY	15	STEEP	B/c					1	9
SB600622	009021		+1800	750N	SOIL COLLU DRY		LT -BROWN	SILT	MED	DRY	20	STEEP	B					67	22
SB600623	009022		+1800	800N	SOIL COLLU DRY		LT -BROWN	SANDY -SILT	LOW	DRY	20	STEEP	B					25	24
SB600624	009023		+1800	850N	SOIL COLLU DRY		LT -BROWN	SANDY -SILT	LOW	DRY	10	STEEP	C					7	11
SB600625	009024		+1800	900N	SOIL COLLU DRY		MED-BROWN	SANDY -SILT	LOW	DRY	15	STEEP	B/c					6	9
SB600626	009025		+1800	950N	SOIL COLLU DRY		LT -BROWN	SANDY -SILT	LOW	DRY	10	STEEP	B					10	33
SB600627	009026		+1800	1000N	SOIL RESID DRY		DK -BROWN	SILT	MED	DRY	20	STEEP	A/B					25	20
SB600628	009027		+1800	1050N	SOIL COLLU DRY		LT -BROWN	SILT	LOW	DRY	10	STEEP	B					16	27
SB600629	009028		+1800	1100N	SOIL COLLU DRY		DK -GRY	GRAVLY-SAND	LOW	DRY	25	STEEP	C					9	30
SB600630	009029		+1800	1150N	SOIL COLLU		DK -BROWN	SANDY -SILT	LOW	DRY	15	STEEP	B					18	21
SB600631	009030		+1800	1200N	SOIL COLLU DRY		MED-BROWN	SANDY -SILT	LOW	DRY	15	STEEP	B					12	29
SB600632	009096		+1800	1250N	SOIL COLLU ACTIVE		MED-BROWN	SAND	LOW	DRY	5	STEEP	B					14	6
SB600633	009097		+1800	1300N	SOIL COLLU DRY		DK -BROWN	SAND	LOW	DRY	5	STEEP	C					8	(2
SB600634	009098		+1800	1350N	SOIL COLLU DRY		MED-BROWN	SANDY -SILT	LOW	DRY	15	STEEP	B					9	3
SB600635	009099		+1800	1400N	SOIL COLLU DRY		DK -BROWN	SANDY -SILT	LOW	DRY	25	STEEP	C					4	3
SB600636	009100		+1800	1450N	SOIL COLLU DRY		DK -GRY	GRAVLY-SAND	LOW	DRY	15	STEEP	C					4	5
SB600637	009012		+1800	1500N	SOIL COLLU DRY		LT -GRY	SAND	LOW	DRY	30	STEEP	C					3	(2
SB600638	009016		+1800	1400N	SOIL COLLU DRY		MED-GRY	SANDY -SILT	LOW	M'ST	5	STEEP	C					47	7
SB600639	001945		+1800	50S	SOIL COLLU DRY		MED-BROWN	SAND	LOW	DRY	20	STEEP	B					293	38
SB600640	001946		+1800	100S	SOIL COLLU		LT -GRY	SAND	LOW	M'ST	40	STEEP	B					2	4
SB600641	001947		+1800	150S	SOIL COLLU		MED-GRY	GRAVEL	MED	M'ST	30	STEEP	A/c					(1	4
SB600642	001948		+1800	200S	SOIL COLLU		LT -GRY	SAND	LOW	DRY	40	STEEP	C					(1	12
SB600643	001949		+1800	250S	SOIL COLLU		MED-BROWN	SAND	LOW	M'ST	60	STEEP	B					19	24
SB600644	001950		+1800	300S	SOIL COLLU		MED-BROWN	GRAVLY-SAND	LOW	DRY	10	STEEP	B					138	31

EXP LAB NUMBER	FIELD NO	MAP ZONE	EAST	NORTH	#	MAT'L ORIG	SITE	COLOUR	SIZE	ORG	DEPTH WIDTH FLOW			PPT	PH	Cu PPM	Mo PPM
											MET	CM	SLOPE				
SB600645	001951		+1800	350S		SOIL COLLU	MED-GREY	SAND	LOW	DRY	20	STEEP	B	.	95	29	
SB600646	001952		+1800	400S		SOIL COLLU	MED-BROWN	SAND	MED	WET	40	STEEP	B	.	105	51	
SB600647	001953		+1800	450S		SOIL COLLU	MED-BROWN	GRAVLY-SAND	LOW	DRY	5	STEEP	B	.	444	145	
SB600648	001954		+1800	500S		SOIL COLLU	MED-BROWN	SAND	LOW	DRY	10	STEEP	B	.	374	51	
SB600649	001955		+1800	550S		SOIL COLLU	MED-BROWN	SANDY-SILT	LOW	DRY	10	STEEP	B	.	154	114	
SB600650	001956		+1800	600S		SOIL COLLU	MED-BROWN	SANDY-SILT	LOW	DRY	15	STEEP	B	.	50	65	
SB600651	001957		+1800	650S		SOIL COLLU	MED-BROWN	GRAVLY-CLAY	LOW	DRY	10	STEEP	B	.	126	57	
SB600652	001958		+1800	700S		SOIL COLLU	MED-BROWN	SAND	LOW	DRY	20	STEEP	B	.	141	98	
SB600653	001959		+1800	750S		SOIL COLLU	MED-GREY	SAND	MED	M ST	10	STEEP	C	.	4	11	
SB600654	001960		+1800	800S		SOIL COLLU	LT-GREY	SAND	LOW	DRY	40	STEEP	C	.	2	7	
SB600655	001961		+1800	850S		SOIL COLLU	MED-RED	SAND	LOW	DRY	25	STEEP	B	.	14	66	
SB600656	001962		+1800	900S		SOIL COLLU	LT-GREY	GRAVLY-SAND	LOW	DRY	15	STEEP	C	.	(1	4	
SB600657	001963		+1800	950S		SOIL COLLU	MED-BROWN	GRAVLY-SAND	LOW	DRY	30	STEEP	B	.	5	6	
SB600658	001964		+1800	1000S		SOIL COLLU	MED-BROWN	GRAVEL	MED	DRY	20	STEEP	B	.	10	11	
SB600659	001965		+1800	1050S		SOIL COLLU	MED-GREY	SANDY-SILT	MED	DRY	10	STEEP	A/C	.	9	4	
SB600660	001966		+1800	1100S		SOIL COLLU	DK-BROWN	GRAVLY-SAND	MED	DRY	10	STEEP	A/C	.	40	3	
SB600661	001967		+1800	1150S		SOIL COLLU	LT-BROWN	SAND	LOW	DRY	20	STEEP	B	.	4	11	
SB600662	001968		+1800	1200S		SOIL COLLU	MED-BROWN	GRAVLY-SAND	LOW	DRY	15	STEEP	B	.	7	9	
SB600663	001969		+1800	1250S		SOIL COLLU	MED-BROWN	SAND	MED	DRY	20	STEEP	C	.	7	18	
SB600664	001970		+1800	1300S		SOIL COLLU DRY	LT-GREY	SAND	MED	DRY	20	STEEP	C	.	(1	(2	
SB600665	001971		+1800	1350S		SOIL TALUS	LT-GREY	SAND	MED	DRY	10	STEEP	A/C	.	4	9	
SB600666	001972		+1800	1400S		SOIL COLLU	MED-BROWN	SAND	LOW	DRY	20	STEEP	B	.	54	8	
SB600667	001973		+1800	1450S		SOIL COLLU	MED-BROWN	SAND	MED	DRY	25	STEEP	C	.	6	3	
SB600668	001974		+1800	1500S		SOIL COLLU	LT-GREY	GRAVLY-SAND	MED	DRY	20	STEEP	C	.	3	11	
SB600669	001975		+1800	1550S		SOIL COLLU	LT-GREY	SAND	MED	DRY	35	STEEP	C	.	1	4	
SB600670	001976		+1800	1600S		SOIL COLLU	LT-BROWN	SAND	LOW	DRY	15	STEEP	B	.	2	4	
SB600671	001977		+1800	1650S		SOIL COLLU	MED-BROWN	SAND	MED	DRY	20	STEEP	B	.	29	9	
SB600672	001978		+1800	1700S		SOIL COLLU	DK-BROWN	SAND	MED	DRY	20	STEEP	B	.	4	4	
SB600673	001979		+1800	1750S		SOIL COLLU	MED-GREY	SAND	MED	DRY	20	STEEP	C	.	4	7	

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE F=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED

IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Cu 20% HNO3 DECOMPOSITION / AAS
 Mo AQUA REGIA DECOMPOSITION / AAS

ION PROPERTY - WED

JOB NO. 100000000

REPORT DATE 11/05/1996

EXP LAB NUMBER	FIELD NO	MAP ZONE	EAST	NORTH	MAT'L ORIG	SITE	COLOUR	SIZE	DRG	DEPTH WIDTH FLOW				Mo PPM	Cl PPM
										NET CM	SLOPE	HORIZ	TPT		
S8604454	012185		+2580	+25	SOIL RESID		MED-BROWN	SAND	LOW	DRY	25	B	.	6	25
S8604455	12186		+2580	+75	SOIL RESID		BRN-RED	SANDY -SILT	LOW	DRY	25	B	.	4	26
S8604456	12187		+2580	+125	SOIL RESID		BRN-RED	SANDY -SILT	LOW	DRY	35	B	.	9	165
S8604457	12188		+2580	+175	SOIL RESID		BRN-RED	SAND	MED	M'ST	30	B	.	11	52
S8604458	12189		+2580	+225	SOIL COLLU		DK -BROWN	SANDY -SILT	MED	M'ST	55	B	.	85	106
S8604459	12190		+2580	+275	SOIL RESID		BRN-RED	SAND	LOW	DRY	60	B	.	37	17
S8604460	12191		+2580	+325	SOIL COLLU		MED-BROWN	SANDY -GRAVEL	MED	M'ST	55	C	.	59	201
S8604461	12192		+2580	+375	SOIL COLLU		DK -BROWN	SANDY -SILT	MED	WET	55	C	.	54	30
S8604462	12193		+2580	+425	SOIL COLLU		DK -BROWN	SILTY -SAND	MED	M'ST	55	C	.	14	54
S8604463	12194		+2580	+475	SOIL RESID		BRN-RED	SANDY -SILT	LOW	DRY	50	B	STEEP	34	10
S8604464	12195		+2580	+535	SOIL COLLU		BLK-GREY	SILTY -SAND	HIGH	M'ST	50	C	.	53	6
S8604465	12196		+2580	+610	SOIL COLLU		LT -RED	SAND	LOW	DRY	50	B	.	42	10
S8604466	12197		+2580	+640	SOIL COLLU		MED-RED	GRAVLY-SAND	LOW	DRY	40	B	.	20	16
S8604467	12198		+2580	+675	SOIL COLLU		DK -BROWN	GRAVLY-SAND	MED	M'ST	55	B	.	8	12
S8604468	12199		+2580	+725	SOIL COLLU		BRN-RED	SANDY -GRAVEL	MED	WET	30	B	.	106	28
S8604470	12200		+2580	+775	SOIL COLLU		DK -BROWN	SAND	MED	M'ST	45	C	.	18	6
S8604471	12201		+2580	+830	SOIL COLLU		DK -GREY	SAND	MED	M'ST	30	C	.	44	16
S8604472	12202		+2580	+875	SOIL COLLU		LT -GREY	SAND	MED	M'ST	45	C	.	32	2
S8604473	12203		+2580	+925	SOIL COLLU		MED-BROWN	SAND	MED	M'ST	40	C	.	52	4
S8604474	12204		+2580	+985	SOIL COLLU		LT -BROWN	SAND	LOW	M'ST	30	B	.	5	3
S8604475	12205		+2580	+1025	SOIL COLLU		LT -GREY	SAND	MED	M'ST	30	A	.	2	1
S8604476	12206		+2580	+1075	SOIL COLLU		MED-GREY	SANDY -SILT	MED	M'ST	25	A	.	5	2
S8604477	12207		+2580	+1130	SOIL COLLU		BRN-RED	SAND	LOW	DRY	30	B	.	10	5
S8604478	12208		+2580	+1195	SOIL COLLU		DK -BROWN	SAND	MED	M'ST	35	D	.	3	1
S8604479	12209		+2580	+1245	SOIL COLLU		LT -BROWN	SAND	MED	M'ST	30	C	.	4	1
S8604480	12210		+2580	+1275	SOIL COLLU		MED-BROWN	SANDY -SILT	MED	M'ST	30	C	.	3	1
S8604481	12211		+2580	+1325	SOIL COLLU		DK -BROWN	SANDY -SILT	MED	M'ST	30	C	.	6	2
S8604482	12212		+2590	+50	SOIL COLLU		DK -BROWN	SILT	MED	M'ST	50	C	.	7	5
S8604483	12213		+2590	+100	SOIL COLLU		MED-BROWN	SANDY -SILT	LOW	M'ST	35	C	.	7	2
S8604484	12214		+2590	+150	SOIL COLLU		MED-BROWN	SAND	LOW	M'ST	30	C	.	11	2
S8604485	12215		+2590	+200	SOIL COLLU		DK -BROWN	SANDY -SILT	MED	M'ST	30	A	.	10	1
S8604486	12216		+2590	+250	SOIL COLLU		BRN-GREY	SILT	LOW	M'ST	30	C	.	22	11
S8604487	12217		+2590	+300	SOIL COLLU		MED-BROWN	SANDY -SILT	MED	WET	35	C	.	23	1

EXP LAB	FIELD											DEPTH	WIDTH	FLOW	Mo	Co			
NUMBER	NO	MAP ZONE	EAST	NORTH	#	MAT'L	ORIG	SITE	COLOR	SIZE	ORG	WET	CM	SLOPE	HORIZ	PPT	pH	PPM	PPM
S8604487	12218		+2590	+350		SOIL	COLLU		BRN-BROWN	SANDY -SILT	LOW	DRY	30		C	.	.	64	1
S8604488	12219		+2590	+400		SOIL	COLLU		LT -GREY	SANDY -SILT	MED	M'ST	20		C	.	.	36	1
S8604489	12220		+2590	+450		SOIL	COLLU		MED-BROWN	SANDY -SILT	MED	M'ST	20		B	.	.	57	3
S8604490	12221		+2590	+500		SOIL	COLLU		MED-BROWN	SANDY -SILT	MED	M'ST	20		B	.	.	15	4
S8604491	12222		+2590	+550		SOIL	COLLU		DK -BROWN	SANDY -SILT	MED	M'ST	40		C	.	.	6	4
S8604492	12223		+2590	+600		SOIL	COLLU		LT -GREY	SAND	LOW	M'ST	30		C	.	.	27	1
S8604493	12224		+2590	+650		SOIL	COLLU		DK -BROWN	SANDY -SILT	HIGH	M'ST	35		A	.	.	91	5
S8604494	12225		+2590	+700		SOIL	COLLU		BRN-GREY	SANDY -SILT	MED	M'ST	30		A	.	.	23	4
S8604495	12226		+2590	+750		SOIL	COLLU		MED-GREY	SANDY -SILT	MED	M'ST	45		C	.	.	47	4
S8604496	12227		+2590	+800		SOIL	COLLU		MED-BROWN	SANDY -SILT	MED	M'ST	40		C	.	.	60	4
S8604497	12228		+2590	+850		SOIL	COLLU		MED-BROWN	SAND	MED	M'ST	35		A	.	.	16	2
S8604498	12229		+2590	+900		SOIL	COLLU		MED-BROWN	SAND	MED	DRY	30		C	.	.	29	5
S8604499	12230		+2590	+950		SOIL	COLLU		BRN-RED	SAND	LOW	M'ST	15		B	.	.	105	8
S8604500	12231		+2590	+1000		SOIL	COLLU		BRN-RED	SANDY -SILT	LOW	M'ST	15		B	.	.	15	19
S8604501	12232		+2590	+1050		SOIL	COLLU		MED-BROWN	SANDY -GRAVEL	MED	DRY	5		A	.	.	3	8
S8604502	12233		+2590	+1100		SOIL	COLLU		MED-GREY	SAND	MED	DRY	25		A	.	.	4	4
S8604503	12234		+2590	+1150		SOIL	COLLU		MED-BROWN	SAND	LOW	DRY	30		C	.	.	13	4
S8604504	12235		+2590	+1200		SOIL	COLLU		DK -BROWN	SANDY -SILT	HIGH	WET	20		A	.	.	25	14
S8604505	12236		+2590	+1250		SOIL	COLLU		MED-BROWN	SAND	LOW	DRY	10		C	.	.	4	6
S8604506	12237		+2590	+1300		SOIL	COLLU		DK -GREY	SAND	HIGH	DRY	15		A	.	.	2	24
S8604507	12238		+2590	+1350		SOIL	COLLU		BRN-RED	SANDY -SILT	MED	M'ST	25		B	.	.	93	9
S8604508	12239		+2590	+1400		SOIL	COLLU		LT -BROWN	SAND	LOW	DRY	20		C	.	.	7	11
S8604509	12240		+2300	+50		SOIL	COLLU		DK -BROWN	SILT	HIGH	WET	45		A	.	.	2	4
S8604510	12241		+2300	+100		SOIL	COLLU		LT -BROWN	SAND	MED	M'ST	40		C	.	.	3	3
S8604511	12242		+2300	+150		SOIL	COLLU		LT -BROWN	SAND	HIGH	DRY	20		A	.	.	12	2
S8604512	12243		+2300	+200		SOIL	COLLU		MED-BROWN	SAND	HIGH	DRY	20		A	.	.	4	3
S8604513	12244		+2300	+250		SOIL	COLLU		LT -BROWN	SAND	HIGH	DRY	30		A	.	.	6	2
S8604514	12245		+2300	+300		SOIL	COLLU		MED-BROWN	SILT	MED	M'ST	35		C	.	.	30	11
S8604515	12246		+2300	+350		SOIL	COLLU		LT -BROWN	SAND	MED	DRY	30		C	.	.	6	2
S8604516	12247		+2300	+400		SOIL	COLLU		BLACK	SILT	HIGH	DRY	20		A	.	.	4	2
S8604517	12248		+2300	+450		SOIL	COLLU		MED-BROWN	SAND	MED	DRY	30		A	.	.	3	2
S8604518	12249		+2300	+500		SOIL	COLLU		MED-BROWN	SAND	HIGH	DRY	25		A	.	.	3	3
S8604519	12250		+2300	+550		SOIL	COLLU		DK -BROWN	SILT	HIGH	M'ST	45		A	.	.	2	2
S8604520	12263		+2300	+600		SOIL	COLLU		GRY-BROWN	SAND	MED	DRY	40		A	.	.	12	11
S8604521	12264		+2300	+650		SOIL	COLLU		RED-BROWN	SAND	LOW	DRY	20		A	.	.	252	28
S8604522	12298		+2600	+40	1	SOIL	COLLU		BRN-RED	SANDY -SILT	LOW	DRY	25	STEEP	B	.	.	7	9

EXP LAB NUMBER	FIELD NO		EAST	NORTH	#	MATERIAL	DRG	SITE	COLOUR	SIZE	DRG	DEPTH WIDTH FLOW			PH	Mo PPM	Co PPM
	MAP	ZONE										NET CM	SLOPE	HORIZ			
S8604523	12299		+2600	+100	1	SOIL	COLLU	LT-BROWN	SANDY-SILT	LOW	M'ST	15	STEEP	C	.	3	22
S8604524	12300		+2600	+150	1	SOIL	COLLU	BRN-RED	SANDY-SILT	LOW	DRY	35	STEEP	B	.	7	11
S8604525	12301		+2600	+200	1	SOIL	COLLU	MED-BROWN	SILT	HIGH	WET	60	STEEP	A	.	5	3
S8604526	12302		+2600	+250	1	SOIL	COLLU	MED-BROWN	SANDY-SILT	LOW	DRY	50	STEEP	B	.	27	5
S8604527	12303		+2600	+300	1	SOIL	COLLU	DR-BROWN	SILT	HIGH	WET	25	STEEP	A	.	9	7
S8604528	12304		+2600	+365	1	SOIL	COLLU	BRN-RED	SAND	LOW	DRY	50	STEEP	B	.	5	5
S8604529	12305		+2600	+400	1	SOIL	COLLU	BRN-RED	SANDY-SILT	LOW	M'ST	60	STEEP	B	.	5	7
S8604530	12306		+2600	+450	1	SOIL	COLLU	BRN-RED	SILT	LOW	DRY	45	STEEP	B	.	17	10
S8604531	12307		+2600	+500	1	SOIL	COLLU	BRN-RED	SAND	LOW	DRY	25	STEEP	B	.	19	9
S8604532	12308		+2600	+550	1	SOIL	COLLU	BRN-RED	SILT	LOW	DRY	25	STEEP	B	.	11	24
S8604533	12309		+2600	+600	1	SOIL	COLLU	BRN-RED	SAND	LOW	DRY	55	STEEP	A	.	12	24
S8604534	12310		+2600	+650	1	SOIL	COLLU	BRN-RED	SILT	LOW	M'ST	55	STEEP	B	.	38	16
S8604535	12311		+2600	+700	1	SOIL	COLLU	MED-BROWN	SAND	HIGH	M'ST	50	STEEP	C	.	44	22
S8604536	12312		+2600	+750	1	SOIL	COLLU	DR-BROWN	CLAY	HIGH	M'ST	60	STEEP	A	.	34	40
S8604537	12313		+2600	+800	1	SOIL	COLLU	MED-BROWN	SAND	MED	M'ST	60	STEEP	A	.	111	25
S8604538	12314		+2600	+855	1	SOIL	COLLU	DR-BROWN	SAND	HIGH	M'ST	45	STEEP	A	.	14	17
S8604539	12315		+2600	+900	1	SOIL	COLLU	LY-BROWN	SAND	LOW	M'ST	30	STEEP	C	.	35	9
S8604540	12316		+2600	+950	1	SOIL	COLLU	MED-BROWN	SILTY-CLAY	HIGH	WET	35	STEEP	A	.	27	47
S8604541	12317		+2600	+1000	1	SOIL	COLLU	MED-BROWN	SAND	HIGH	M'ST	25	STEEP	A	.	43	34
S8604542	12318		+2600	+1050		SOIL	COLLU	BRN-RED	SAND	HIGH	M'ST	25		A	.	63	39
S8604543	12319		+2600	+1100		SOIL	COLLU	DR-BROWN	SAND	MED	DRY	50		A	.	40	46
S8604544	12320		+2900	+700		SOIL	COLLU	MED-BROWN	SANDY-CLAY	MED	M'ST	55		A	.	25	5
S8604545	12321		+2900	+750		SOIL	COLLU	MED-BROWN	SANDY-SILT	MED	M'ST	50		C	.	3	2
S8604546	12322		+2900	+1000		SOIL	COLLU	LT-BROWN	SAND	MED	DRY	50		C	.	11	7
S8604547	12323		+2900	+1050		SOIL	COLLU	MED-BROWN	SAND	HIGH	M'ST	40		C	.	34	13
S8604548	12324		+2900	+1100		SOIL	COLLU	BRN-RED	SAND	LOW	DRY	35		B	.	21	33
S8604549	12325		+2900	+850		SOIL	COLLU	MED-BROWN	SANDY-SILT	MED	M'ST	40		C	.	15	4
S8604550	12326		+2900	+800		SOIL	COLLU	MED-BROWN	SANDY-GRAVEL	MED	M'ST	30		C	.	74	37
S8604551	12327		+2900	+750		SOIL	COLLU	DR-BROWN	SANDY-SILT	HIGH	M'ST	50		A	.	6	5
S8604552	12328		+2900	+700		SOIL	COLLU	DR-BROWN	SANDY-SILT	HIGH	M'ST	50		C	.	36	45
S8604553	12329		+2900	+650		SOIL	COLLU	MED-BROWN	SANDY-SILT	LOW	M'ST	25		C	.	21	13
S8604554	12330		+2900	+600		SOIL	COLLU	LT-BRN	SAND	MED	M'ST	25		C	.	10	3
S8604555	12331		+2900	+550		SOIL	COLLU	LT-BROWN	SANDY-SILT	MED	M'ST	35		C	.	20	1
S8604556	12332		+2900	+500		SOIL	COLLU	LT-BROWN	SAND	MED	M'ST	50		A	.	3	2
S8604557	12333		+2900	+450		SOIL	COLLU	LT-BRN	SAND	LOW	DRY	25		C	.	2	1
S8604558	12334		+2900	+400		SOIL	COLLU	MED-BROWN	SANDY-SILT	HIGH	M'ST	50		A	.	30	4

EXP LAB FIELD		DEPTH WIDTH FLOW											NO	CU		
NUMBER	NO	MAP ZONE	EAST	NORTH	MAT'L ORIG	SITE	COLOUR	SIZE	ORG	WET CM	SLOPE	HORIZ	PPT	PH	PPM	PPM
S8604559	12335		+2900	+350	SOIL COLLU		MED-BROWN	SANDY -SILT	MED	M'ST 50		A		.	12	1
S8604560	12336		+2900	+300	SOIL COLLU		MED-BROWN	SANDY -SILT	MED	M'ST 50		C		.	18	7
S8604561	12337		+2900	+250	SOIL COLLU		MED-BROWN	SAND	MED	M'ST 40		C		.	17	7
S8604562	12338		+2900	+200	SOIL COLLU		LT-BROWN	CLAY	LOW	M'ST 35		C		.	14	18
S8604563	12339		+2900	+150	SOIL COLLU		MED-BROWN	SANDY -CLAY	MED	M'ST 40		C		.	36	3
S8604564	12340		+2900	+100	SOIL COLLU		DK-BROWN	SANDY -SILT	MED	M'ST 40		C		.	49	7
S8604565	12341		+2900	+50	SOIL COLLU		MED-BROWN	SANDY -GRAVEL	LOW	DRY 15		C		.	2	19
S8604566	12342		+2900	+50	SOIL COLLU		BROWN	SANDY -SILT	MED	M'ST 60		C		.	3	2
S8604567	12343		+2900	+100	SOIL COLLU		DK-BROWN	SANDY -SILT	MED	M'ST 45		A		.	9	1
S8604568	12344		+2900	+150	SOIL COLLU		MED-BROWN	SANDY -SILT	MED	M'ST 40		C		.	5	4
S8604569	12345		+2900	+1052	SOIL COLLU		LT-BROWN	SAND	LOW	DRY 50	STEEP	C		.	9	1
S8604570	12346		+2900	+1051	SOIL COLLU		MED-BROWN	SILTY -SAND	HIGH	M'ST 45	STEEP	A		.	12	3
S8604571	12347		+2900	+1050	SOIL COLLU		MED-BROWN	SAND	LOW	DRY 40	STEEP	C		.	9	2
S8604572	12348		+2900	+1049	SOIL COLLU		MED-BROWN	SAND	LOW	DRY 30	STEEP	C		.	2	12

J=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED

IF REQUESTED ANALYSES ARE NOT SHOWN RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

NO AQUA REGIA DECOMPOSITION / AAS

CU 20% HNO3 DECOMPOSITION / AAS

APPENDIX "E"
ROCK GEOCHEMISTRY DATA

DON PROPERTY-WD

JERVIS INLET-BRITTAIN R.

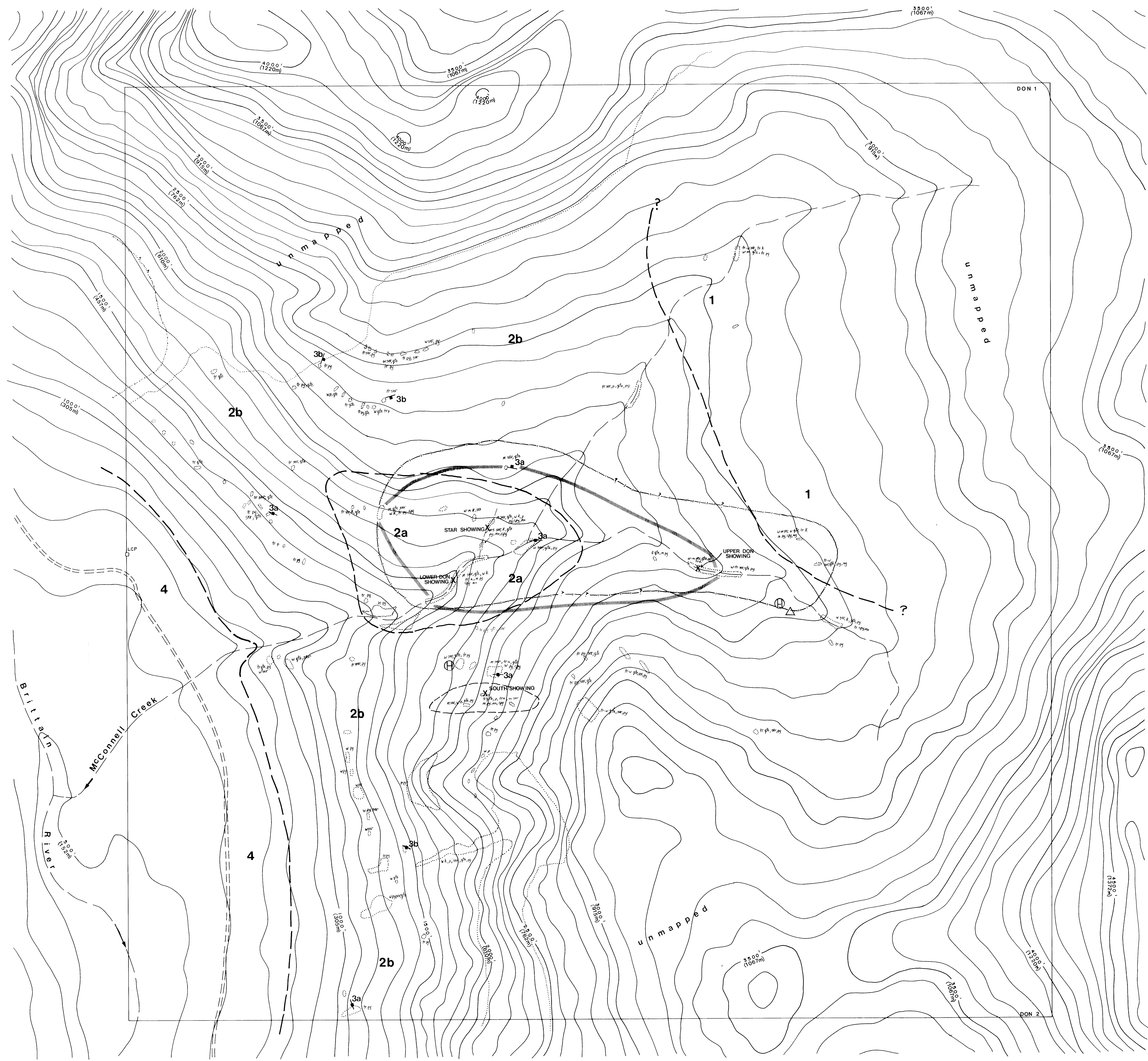
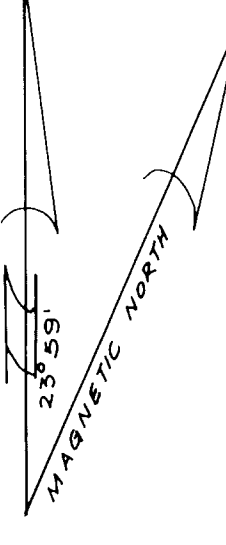
Job V 86-0172R
REPORT DATE 18 JUN 1984

LAB NO	FIELD NUMBER	Cu PPM	Mo PPM	Au PPB	Nt Au GRAM	Ag PPM
R8602300	GR-1	192	580			
R8602301	GR-3	664	276			
R8602302	GR-4	576	2240			
R8602303	GR-5	1700	950	<10	5	3.8
R8602304	GR-6	10	59			
R8602305	GR-7	67	114			
R8602306	GR-8	675	580			
R8602307	GR-9	152	54			
R8605382	CS-1	1770	1940			
R8605383	CR-2	550	250			
R8605384	CS-3	620	1170			

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
 IF REQUESTED ANALYSES ARE NOT SHOWN #RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

- Mo HNO3 - HClO4 DECOMPOSITION / AAS
- Cu AQUA REGIA DECOMPOSITION / AAS



LEGEND

QUATERNARY

4 COLLUVIUM & ALLUVIUM

UPPER CRETACEOUS-TERTIARY

3a FELDSPAR PORPHYRY DYKES (MONZODIORITE)

3b APLITE DYKES (ADAMELLITE)

2a QUARTZ FELDSPAR PORPHYRY GRANITE

2b BIOTITE PORPHYRY GRANITE

CRETACEOUS

1 COAST PLUTONIC COMPLEX; GRANODIORITE DIORITE, LOCALLY FOLIATED

SYMBOLS

--- GEOLOGICAL CONTACT

○ OUTCROP

↖↘ DYKE ORIENTATION - STRIKE/DIP

X COPPER, MOLYBDENITE SHOWING WITH NAME

▭ SIGNIFICANT CONCENTRATIONS OF QUARTZ AND SERICITE VEINS

○ PYRITE CONTOUR >1%

tr TRACE

w,m,s WEAK, MODERATE, STRONG

qtz QUARTZ

ser SERICITE

k K-SPAR

py PYRITE

p PROPYLITIC

⊕ ROAD

⊕ HELICOPTER PAD

△ CAMP

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,167



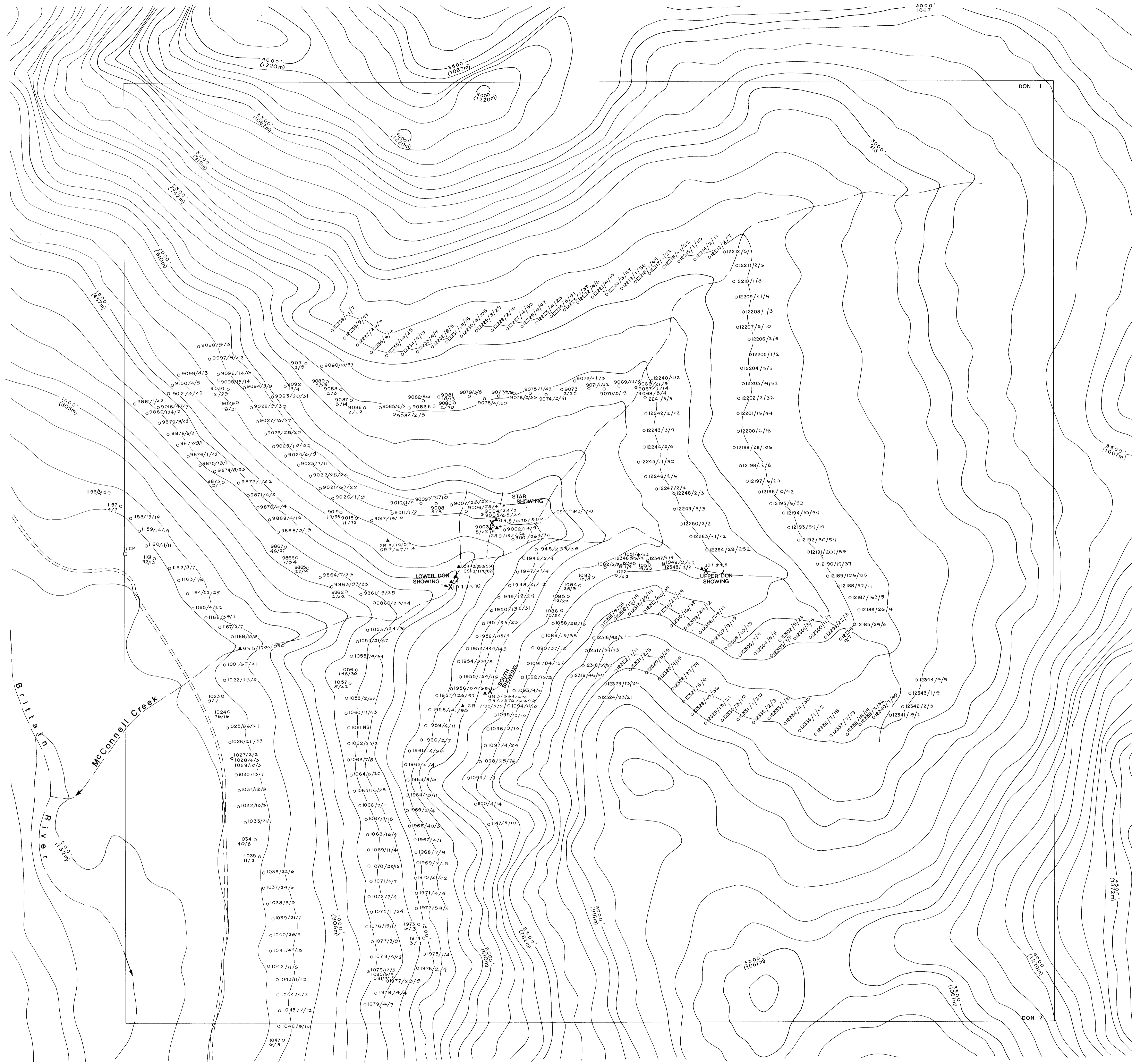
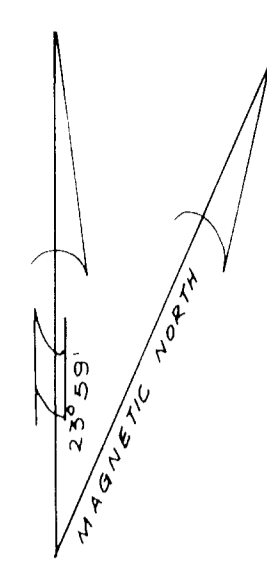
TO ACCOMPANY REPORT BY M.J. GRAY

DON PROPERTY

Drawn by M.J. GRAY	Traced by
Revised by	Revised by
Date	Date

**PRELIMINARY GEOLOGY
VANCOUVER M.D., B. C.**

Scale: 1:5,000 Date: MAY 1986 Plate: 1



010

DON - 1985 ROCK GEOCHEMISTRY

SAMPLE NO.	INTERVAL	Cu (ppm)	Mo (ppm)	Au (ppb)	Ag (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
LD-1	5 m chip	817	331	<10	.4	<4	54	<2
LD-2	5 m chip	486	55	<10	.4	<4	56	<2
LD-3	10 m chip	2300	1040	<10	1.4	<4	88	2
LD-4	grab	1060	4100	<10	<.4	<4	51	25
LD-5	grab	2800	600	<10	.7	<4	141	2
LD-6	grab	1340	186	<10	1.0	<4	56	<2
LD-7	grab	616	55	<10	.8	<4	29	2
LD-8	grab	990	126	<10	.8	<4	52	<2
LD-9	grab	1130	870	<10	.9	<4	60	2
LD-10	grab	234	71	<10	1.9	<4	24	<2
UD-1	4 m chip	558	1070	<10	1.3	<4	79	4
UD-2	grab	1190	92	<10	1.0	<4	92	<2
UD-3	grab	1170	380	<10	2.7	<4	79	<2
UD-4	grab	459	120	<10	1.4	<4	74	<2
UD-5	grab	715	192	<10	.5	<4	72	<2

DON - 1986 ROCK GEOCHEMISTRY

GR-1	1.0 m chip	192	580	-	-	-	-	-
GR-3	1.0 m chip	664	276	-	-	-	-	-
GR-4	0.2 m chip	576	2240	-	-	-	-	-
GR-5	float	1700	950	<10	3.8	-	-	-
GR-6	skree	10	59	-	-	-	-	-
GR-7	skree	67	114	-	-	-	-	-
GR-8	1 m chip	675	580	-	-	-	-	-
GR-9	0.5 m chip	152	54	-	-	-	-	-
CS-1	grab	1770	1940	-	-	-	-	-
CR-2	2 m chip	550	250	-	-	-	-	-
CS-3	2 m chip	620	1170	-	-	-	-	-

- KEY
- SOIL SAMPLE LOCATION
 - ⊗ SOIL PROFILE SAMPLE STATION
 - SOIL SAMPLE NO. / Cu - ppm / Mo - ppm
 - ▲ ROCK SAMPLE LOCATION
 - ▲ ROCK SAMPLE NO. / Cu - ppm / Mo - ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15.167

Scale: 1:5,000 Date: MAY 1986 Plate: 2

Drawn by: [] Traced by: J.P.S.N.
 Checked by: []
 Date: 5/9/86

DON PROPERTY
 COPPER AND MOLYBDENUM
 SOIL GEOCHEMISTRY
 SAMPLE LOCATIONS
 VANCOUVER M.O., B.C.