GEOLOGICAL REPORT ON THE

GAMBIER ISLAND COPPER PROSPECT

by

P.E. Fox, PhD. P.Eng.
Fox Geological Consultants Ltd.
Vancouver, B.C.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7730

for

20th Century Energy Corporation
Vancouver, B.C.

August 15, 1979

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SUMMARY

This report gives results of exploration work done on the Gambier Island copper prospect (MB claims) between May 28 and August 2, 1979. The exploration program consisted of 17.25 km of grid preparation, geological mapping over the grid area, induced polarization and magnetometer surveys and 1,431.2 metres of diamond drilling. Seven vertical holes spaced approximately 120 metres apart were drilled.

Geological mapping outlined a large zone of mineralized rock 1000 metres long and 500 metres wide. The zone occurs in hyrothermally altered volcanic rocks of the Gambier Group (Jurassic) and granitic porphyries that form an oval stock of presumed Tertiary age 500 metres in diameter. Pyrite, chalcopyrite and molybdenite form finely disseminated aggregates, veinlets and fracture coatings throughout the mineralized zone. Pyritic rocks, locally containing veins of chalcopyrite, galena, and sphalerite, occur peripheral to the main mineralized zone. The induced polarization survey outlined a low contrast anomaly (20 ms) 800 metres long and 400 metres wide coincident with the mineralized zone. Drilling operations tested a zone 600 metres by 300 metres, much of the south central part of the mineralized zone.

Assay results indicate that the overall weighted mean assay of all drilling work done to date, 2,125.8 metres comprising 12 holes, is 0.27% copper, 0.014% MoS_2, 1.3 grams per tonne silver, and 0.04 grams per tonne gold. Preliminary estimates of inferred geological reserves are 251.4 million tonnes having a waste: ore ratio of 1.1:1. Within this zone is a "core" zone estimated to contain inferred geological reserves of 41.4 million tonnes at an average tenor of 0.32% copper, 0.015% MoS_2, 1.5 grams

per tonne silver and 0.08 grams per tonne gold. The estimated waste: ore ratio is 1.1:1.

CONCLUSIONS

Results to date have confirmed the presence of a potentially large porphyry copper deposit. The mineralized zone indicated by geological mapping and confirmed by auxillary surface work is 1000 metres long and 500 metres wide. The ultimate potential is an elongate zone 1200 metres long and 500 metres wide.

The exploration potential of the property is regarded as excellent and further work is warranted to confirm results already obtained.

RECOMMENDATIONS

An extensive two-stage exploration program is recommended to fully test the potential of the deposit. Stage I consists of additional grid preparation along strike of the deposit, geological mapping, a geostatistical study of tonnage and grade, and 1750 metres of diamond drilling. Stage II recommends 6,000 metres of advanced drilling contingent on results of stage I. Estimated costs are as follows: Stage I $180,000, Stage II $425,000.

INTRODUCTION

This report is an evaluation of exploration work done by 20th Century Energy Corporation on the Gambier Island copper prospect. The report is based on surface and drilling work done on the property between May 28 and August 2, 1979. Technical data are compiled herein and recommendations made for further work.

LOCATION, ACCESS AND TOPOGRAPHY (NTS 92G 6,11; 49°30'N 123° 25'W)

The Gambier prospect is situated at the north end of Gambier Island 30 km northwest of Vancouver (Figure 1). The showings are situated in Gambier Creek valley about 1.5 km from tidewater at Douglas Bay. The prospect is easily reached by boat or water taxi (Mercury Marine Ltd) from Horseshoe Bay or by aircraft from Vancouver.

The property covers thickly wooded precipitous slopes that range from sea level to 1000 m. The main showings on Gambier Creek are at an elevation of 157 m. Thick stands of cedar, hemlock and fir, usually with an undergrowth of salal and hemlock saplings, mantle the sides of Gambier Creek valley. Cottonwoods and alder are common along the valley bottom and at low elevations close to sea level. Bedrock exposures are common near the showings and steep, subvertical bluffs covered with lichen and moss occur inland. The terrain is much less rugged in the vicinity of the showings than precipitous bluffs to the west and south. Rainfall, particularly in winter months, is considerable,typically 300 cm per year.

Gambier is one of several large islands in Howe Sound. Although the north end of the island is undeveloped, particular attention to

Figure 1. Location plan for the Gambier Island Copper Prospect. 1:250,000. NTS 92G

environmental and ecological concerns is required in prospecting and development programs to ensure that all environmental aspects are considered.

CLAIMS

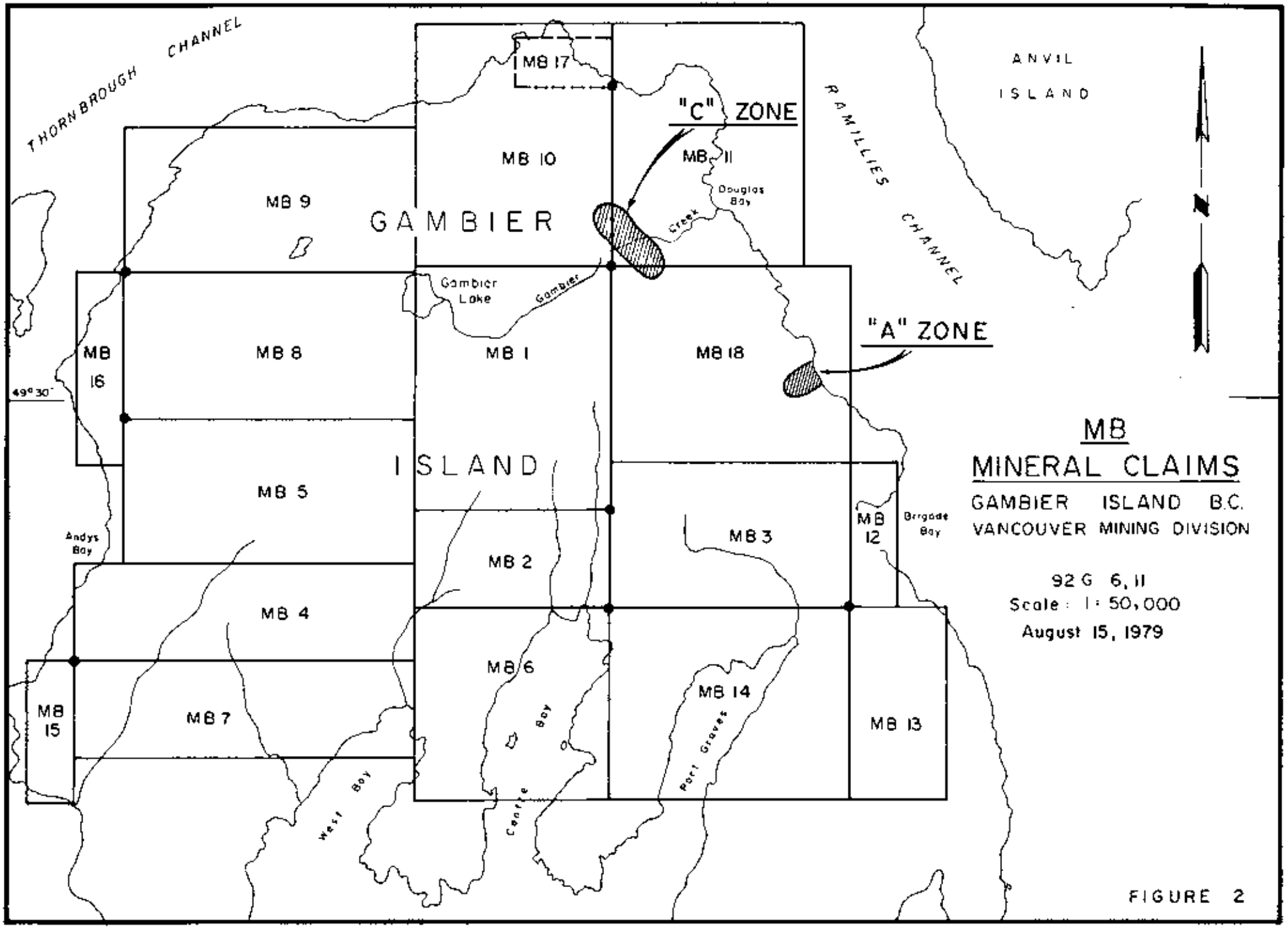
The property consists of 18 mineral claims that cover the northern two-thirds of Gambier Island (Figure 2). The original Daybreak 1 claim, MB 10 and MB 11 were abandoned on March 1, 1979 and restaked with a Legal Corner Post common to MB 1. The abandonment and relocation procedure (Section 28 of the Mineral Act) was required to avoid fractional ground between the Daybreak and surrounding MB claims. All claims in the vicinity of the showings have been located in accordance with requirements of the Mineral Act.

Assessment work valued at $16,000 (six years) was applied to the Daybreak claim and subsequently applied to MB 18. A list of claims in good standing and expiry dates is given below.

Name	Record No.	Expiry Date
MB 1-3	353 - 355	December 4, 1979
MB 4-9	358 - 363	January 3, 1980
MB 10,11	372 - 373	March 7, 1980
MB 12-17	366 - 371	January 3, 1980
MB 18	374	March 7, 1986

PREVIOUS WORK

A number of copper showings have been known in the Douglas Bay area of Gambier Island for many years. Much of the northeast corner of the Island was staked by Gaylord Mines in 1972 and a program of geological mapping, soil sampling, and EM 16 and magnetometer surveys was carried out over much of Gambier Creek valley now covered by MB 18.


THORNBROUGH CHANNEL
MB 17
"C" ZONE
MB 10
MB 11
MB 9
GAMBIER
Douglas Bay
Creek
RAMILLIES CHANNEL
ANVIL ISLAND
Gambier Lake
Gambier
"A" ZONE
MB 16
MB 8
MB 1
MB 18
49° 30'
ISLAND
MB 5
MB 3
MB 12
Brigade Bay
Andys Bay
MB 2
MB 4
MB 6
MB 14
MB 15
MB 7
MB 13
Port Graves
Carrie Bay
West Bay
MB
MINERAL CLAIMS
GAMBIER ISLAND B.C.
VANCOUVER MINING DIVISION
92 G 6, 11
Scale : 1 : 50,000
August 15, 1979
FIGURE 2

Two geochemical anomalies were outlined by soil sampling work: one near several old copper prospects about 1.5 km south of Douglas Bay (Gaylord's 'A' anomaly) and a second large anomaly (the 'C' anomaly) situated south of Gambier Creek at the site of the current area of interest. Anomay 'A' was tested by a single diamond drill hole reported to be 815 feet long inclined at -45°. Core recovered was assayed and reported to average 0.117% copper for the entire hole. Anomaly 'C' was not tested.

The property was staked by 20th Century Energy Corporation on February 7, 1978 and property holdings expanded to the current block of 18 claims. J. McGoran B.Sc. prospected the original Daybreak claim (now MB18) in February 1978 on behalf of the Company. McGoran's work re-established part of the old grid system and confirmed results of previous geochemical work. A camp was subsequently established at an elevation of 157 m and five diamond drill holes consisting of 692 metres of BQ core were drilled between November 16, 1978 and January 23, 1979 under the supervision of A. F. Roberts, P.Eng.

CURRENT PROGRAM

The current work program was recommended by P. E. Fox, P.Eng. in a report to the Company dated March 9, 1979. Work started on May 28, 1979 and was completed on August 2, 1979.

The program consisted of 17.25 km of grid preparation, geological mapping, induced polarization and magnetometer surveys and 1,431.2 metres of diamond drilling. The induced polarization survey was conducted by P. Walcott and Associates and drilling performed by

D & J Drilling Ltd. The drill program comprised seven vertical holes recovering BQWL core. Each hole was drilled to the -100 m elevation (approximately). Core samples were split, sampled in 3-metre lengths and assayed for copper, molybdenite and silver. Twelve-metre composites were assayed for gold. Assays were done by Acme Analytical Laboratories and checks performed by P. Rossbacher Ltd.

REGIONAL GEOLOGY

Most of Gambier Island is underlain by various andesitic volcanic rocks and associated sediments of the Gambier Group (Jurassic). Granitic rocks of the coast intrusion underlie the southern part of Gambier Island between Halkett Point and the west coast. Volcanic strata generally strike northwesterly and dip steeply northeast. Most summits in the vicinity of Gambier Creek valley consist of andesitic volcanics locally intruded by swarms of granitic dikes.

PROPERTY GEOLOGY

A geological plan of the grid area is given in Figure 3. Lithologic boundaries, major fault systems, quartz vein density, the 0.3% copper isopleth line and inferred boundaries of the mineralized zone (approximately the 0.2% copper isopleth) are shown.

Lithology

The grid area is underlain by rocks of the Gambier Group (units 1 and 2), dioritic rocks of the Coast Range batholith (unit 3), granitic

rocks of possible Tertiary age (units 4 and 5) and isolated, post-mineral dacite porphyry dykes (unit 6). Gambier rocks comprise a northwesterly trending series of argillites, volcanic wackes and breccias (1), propylitic rocks (1a) and massive andesitic rocks and related breccias (2) that underlie most of the southwest part of the grid area. These rocks have been altered to a broad zone of hydrothermally altered and hornsfelsed rocks (2a) that extend along the southwest part of the grid. The southern boundary of the altered zone is shown in Figure 3. Within this zone, andesitic rocks have been converted to a granoblastic assemblage of quartz, sericite, biotite, and chlorite and epidote. The latter two minerals appear to be products of a late regional overprint of green schist metamorphism.

Dioritic rocks of unit 3 resemble medium to coarse grained heterogeneous rocks of the Coast Range batholith. Equigranular hornblende diorite and quartz diorite are the most common rock types, usually containing zenoliths and chloritic schlieren. In contrast, dioritic rocks of unit 4 are massive, homogeneous, fine to medium grained diorites probably of Tertiary age. These rocks extend from the north end of the grid southeasterly to East Fork Creek. They are barren except for small amounts of pyrite and consist of saussuritized plagioclase, 10% clinopyroxene, 20% fibrous green amphibole, chlorite, epidote, magnetite and small amounts of interstitial quartz.

Rocks of unit 5 comprise a heterogeneous assemblage of quartz porphyry and subporphyritic granitic rocks. They form a northwesterly-trending oval shaped stock approximately 500 metres in diameter. Quartz forms conspicuous phenocrysts up to 2 cm enclosed by altered

feldspar phenocrysts and anhedral aggregates of chlorite and sericite.

The mineralized zone is roughly concordant to the south and west contact of the porphyry stock. Quartz veinlets ranging from a few isolated veins to intense stockworks are common throughout the porphyry and enclosing altered volcanics. Most veinlets trend northwesterly and form a south-closing arcuate stockwork zone within the porphyry mass concordant to its south contact. Up to 30 veinlets per metre were recorded in outcrops west of drill hole #9 (Figure 3). The veinlets are generally barren and range from hairline to 3 cm thick.

Dacite porphyry dykes intrude both the quartz porphyry and enclosing volcanic rocks. The dykes strike northeast, are sub-vertical and commonly fill fault zones. They range from 20 cm to 3 metres thick, have notable fine grained chilled margins and grade inward to medium grained quartz-feldspar porphyry. The dykes are barren and locally contain inclusions of wall rock and numerous epidote veinlets.

Structure

Important fault zones exist along Gambier Creek valley, South Fork Creek and East Fork Creek. The Gambier Creek shear zone (Figure 3) is a northeasterly-trending cataclastic zone that can be traced through the north part of the mineralized zone, the quartz porphyry unit and much of the enclosing volcanic and sedimentary strata. Many of the rocks west of hole #9 north of Gambier Creek are intensely brecciated and sheared and form a broad zone of cataclasites

along the valley of Gambier Creek. The South Fork fault separates most of the mineralized volcanic rocks to the west from barren, dioritic rocks of unit 4 to the east. A west-dipping strand of this fault was intersected in drill hole #6. The East Fork fault is a parallel fault along which the north contact of the diorite stock (unit 4) has been displaced southward.

Mineralized Zone

Mineralized rocks of the quartz porphyry stock and elements of enclosing volcanic strata form a broad, northwesterly-trending zone 1,000 metres long and 500 metres wide within the quartz porphyry stock and extending for 100 to 400 metres outward from its contact. Barren to low grade pyritic rocks, locally containing small veins rich in sphalerite, galena, and chalcopyrite, outcrop north, west and south of the grid area. Fracture coatings, veinlets, and finely disseminated aggregates of pyrite, chalcopyrite and molybdenite occur in altered volcanic rocks and within porphyritic rocks of the quartz porphyry stock. Altered rocks near the southeast corner edge of the stock contain variable amounts of chalcopyrite, bornite and molybdenite. The better grade material occurs in an elongate arcuate zone of intensely altered volcanic rocks close to the south contact of the intrusion. This zone is shown as the 0.3% copper isopleth line in Figure 3. Sulphides within this zone occur as widely dispersed fine grained disseminated aggregates and fracture coatings. Molybdenite is associated with quartz stringers and locally forms molybdenite "paint" on fracture surfaces.

GEOCHEMISTRY

Soil samples taken by Gaylord Mines in 1972 and more recently by J. McGoran and Getty Mines personnel are compiled in Figure 4. Soil data comprises molybdenum and copper concentrations for soil and rock samples and copper content of stream sediments. Overburden material ranges from 2 to 4400 ppm copper and from 1 to 190 ppm Mo. Threshold and anomalous ranges for copper were determined by portioning a cumulative probability plot. Copper data form a bimodal density distribution comprising two lognormal populations: an anomalous population with a mean of 1000 ppm copper and a background population having a mean of 75 ppm. Threshold concentrations were established at 300 to 350 ppm (Figure 4). High concentrations of copper (and molybdenum) were found in soils north and northeast of the camp immediately south of Gambier Creek and extending northerly along line 40W. The distribution of anomalous soils is noted in Figure 4 (heavy dashed line). The anomaly and its inferred extension covers an area 800 metres long and 300 metres wide. Associated molybdenum contents within the anomaly range from 4 to 190 ppm. Anomalous soils correspond to the high concentration of copper and molybdenite in bedrock materials in part sampled by the current drill program.

GEOPHYSICS

Results of magnetometer work and induced polarization surveys are given in Figures 5 and 6. Magnetometer measurements were taken at 30-metre intervals along prepared grid lines, corrected, and contoured on a 200-gamma interval (Figure 5). The induced polarization survey

was done on lines 0 to 1320W. A time domain system was employed utilizing a pole-dipole array and a 60-metre electrode separation. Two separations were measured. Chargeability and resistivity results are given in Figure 6.

The magnetometer survey (Figure 5) outlined a broad magnetic high between East Fork Creek and the north end of line 1080W. This zone corresponds to the magnetite-rich diorite body of unit 4. Low contrast zones near the camp area correspond to zones of hydrothermal magnetite within the mineralized zone.

Induced polarization data comprises a zone of high response (30 milliseconds) at the north and south perimeter of the grid area and an elongate low contrast anomaly extending northwest from the south end of line 720W to drill hole #9. This zone, which coincides with mineralized rocks mapped to date and the geochemical anomaly outlined in Figure 4, is some 800 metres long and 400 metres wide. The anomaly closes north of drill hole #9 and merges southward into a zone of high response at the south end of the grid.

DRILLING

Drilling operations consisted of 7 vertical holes (1,431.2 metres) drilled between June 7 and August 2, 1979. Holes were drilled to approximately the -100 metre elevation on a 120-metre grid system. Hole #9, the last of the sequence, was collared as a step-out hole north of the main drill area. The area drilled to date is approximately 600 metres by 300 metres. Drill sites and access roads are shown in Figure 7.

Sampling and Assays

Core samples were logged, split, sampled in 3-metre lengths, and assayed for copper, molybdenite and silver. Twelve-metre composites were prepared and assayed for gold. Assaying was done by Acme Analytical Laboratories and checks were performed by P. Rossbacher. Assay results are given in Appendix I, drill logs in Appendix II, and geological and assay sections in Figure 8. Cross section locations are noted in Figures 3 and 7. An assay summary is given in Table 1.

DDH 3 (303.8 m)

Hole #3 (Figure 8b) was collared due east of the area drilled in January 1979. The hole was designed to test a high induced polarization response on line 840W and the potential depth of the mineralized zone. Mineralized rocks were intersected throughout except for a narrow dacite dyke (unit 6) at 100 metres. The upper 230 metres (1.2 - 231 m) contained 0.36% copper and 0.018% MoS_2. The lower part of the hole (231 to 303.8 m) contains an average grade of 0.24% copper and 0.014% MoS_2.

DDH 4 (196.1 m)

Hole #4 (Figure 8) cored granitic porphyries and related breccias throughout its length. A narrow dacite porphyry dyke was encountered at 75 m. Breccias intersected at 130 metres are mixed lithologic breccias composed of volcanic and granitic fragments enclosed by a quartz porphyry matrix. Quartz veinlets are common, up to 19 per

TABLE I

ASSAY SUMMARY

Hole #	From	to	Length (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
78-1	3.6	44.9	41.3	0.25	0.013	1.5	-
78-2	1.8	149.6	147.8	.26	.015	1.0	-
78-3	13.4	153.8	140.4	.33	.013	2.2	0.06
1	5.4	150.0	144.6	.32	.013	1.3	-
2	4.0	130.0	126.0	.22	.013	1.2	-
3	1.2	304.8	303.6	.33	.017	1.1	.11
4	4.0	196.1	192.1	.22	.013	1.2	.02
5	7.3	153.0	145.7	.23	.011	1.6	.02
	153.0	175.7			Barren Dyke		
6	8.5	197.2	188.5	.28	.014	1.5	.03
	78.0	113.0			Barren Dyke		
7	14	185.7	171.7	.19	.015	0.8	.06
8	3.3	212.5	208.7	.24	.015	1.3	.03
9	10.7	25			Barren Dyke		
	25	159.1	134.1	.26	.013	1.8	-
WEIGHTED MEAN ASSAY				0.27	0.014	1.3	0.04

* Alternate samples. Au = 12 metre composites for holes 3-9

Au and Ag in grammes per tonne

metre. Assays are given below.

From	To	% Copper	% MoS_2
4	73	0.33	0.017
73	136	.18	.013
136	172	.13	.017
172	196	.14	.007

DDH 5 (175.7m)

Drill hole #5 (Figure 8d) was collared 110 metres east of hole #4 and drilled entirely in the quartz porphyry unit to a depth of 175.7 metres. A post-vein, intramineral quartz porphyry dyke was intersected from 54 to 72 metres. The dyke post-dates swarms of quartz veinlets common in the enclosing quartz porphyry unit. Subporphyritic granitic rocks were cored from 72 to 150 metres, and a barren dacite porphyry dyke was intersected at the bottom of the hole. Assays are summarized below.

From	To	% Copper	% MoS_2
7	56	0.18	0.012
56	72	.10	.005
72	151	.29	.012
151	175.7	Barren dyke	

DDH 6 (197.2)

Drill hole #6 (Figure 8b) was collared in altered volcanics north of hole #3. Hole #6 cored altered volcanics, gouge, and a dacite porphyry dyke (78-113 m). The hole intersected quartz porphyry (unit 5) at 191 metres. The hole stopped in mineralized quartz porphyry that assayed 0.41% copper and 0.006% MoS_2. The dacite porphyry dyke at 78 metres

fills a gouge zone and corresponds to a dyke 6 metres thick that outcrops to the east. Assays are noted below.

From	To	% Copper	% MoS_2
9	78	0.28	0.014
78	113	Barren Dyke	
113	197.2	.28	.014

DDH 7 (185.7)

Hole #7 (Figure 8a) was collared south of hole #3 at the southeast corner of the drill area. Mineralized volcanics were cored from bedrock surface to 113 metres and mineralized granitic rocks of unit 5 from 113 to 185.7 m. The latter rock appears to be the same subsurface stock intersected in hole #6 to the north and may be a subsurface extension of the main porphyry mass exposed farther north. Hole #7 assayed 0.19% copper and 0.015% MoS_2.

DDH 8 (212.5)

Drill Hole #8 (Figure 8d) is situated 120 metres north of hole #6 at the southeast contact of the porphyry unit. Well mineralized volcanic rocks were cored to 108 metres and mineralized quartz porphyry from 108 to 212.5 metres. A narrow dacite porphyry dyke was intersected near the bottom of the hole from 197 to 205 metres. Hole #8 assayed 0.24% copper and 0.015% MoS_2. This average includes 101 metres from bedrock to 104 metres of 0.29% copper and and 0.019% MoS_2. Both copper and molybdenite grades decrease within the porphyry unit.

DDH 9 (159.1)

Drill hole #9 (Figure 8f) was collared north of Gambier Creek to test the north end of the induced polarization anomaly and coincident geochemical anomaly. The hole represents a step-out of 200 metres from the main drill area. The hole was collared in a barren dacite porphyry dyke but cored mineralized quartz porphyry from 25 to 159.1 metres. Core assayed 0.26% copper and 0.013% MoS_2. This section includes a better mineralized section from 97 to 130 metres of 0.43% copper and 0.013% MoS_2.

Check Assays

Selected samples were submitted to the Rossbacher Laboratory for check assays. Results are given in Table II. Check assays are within precision limits for copper and molybdenite assays.

DISBURSEMENTS

Disbursements made on the overall program to the end of August 8, 1979 are summarized below. The overall cost for the program is $171,242. The direct drill cost is $50.30 per metre ($15.25 per foot).

Induced Polarization Survey	$ 8,058
Grid Preparation (17.25 km)	4,654
Transportation	8,098
Camp Administration	1,457
Magentometer Survey	1,394
Technical Salaries	27,128
Camp Construction	10,816
General Supplies	18,517
Direct Drilling Costs	71,991
Support Drilling Costs	19,129
TOTAL	$171,242

TABLE II

CHECK ASSAYS

SAMPLE NUMBER	ACME %Cu	ACME $\%MoS_2$	ROSSBACHER %Cu	ROSSBACHER $\%MoS_2$
#1 114-116	0.20	0.013	0.20	0.014
118-120	.30	.014	.28	.012
126-128	.45	.010	.42	.010
132-136	.68	.010	.62	.011
136-138	.72	.012	.65	.012
#9 148-151	.11	.008	.10	.008
154-157	.21	.011	.18	.017
139-142	.26	.017	.23	.017
97-100	.30	.008	.28	.008
112-115	.39	.009	.38	.010
103-106	.47	.021	.44	.027
115-118	.53	.009	.48	.012
121-124	.74	.009	.68	.010
Mean	.41*	.012	.38*	.013

DISCUSSION OF RESULTS

Geological mapping, geochemical sampling, geophysical surveys and diamond drilling have confirmed the presence of a potentially large porphyry copper deposit. The mineralized zone indicated by geological mapping and comfirmed by auxilliary surface work is some 1000 metres long and 500 metres wide. Diamond drilling (DDH #3) has tested this zone to a depth of 300 metres.

Results of diamond drilling in an area 600 metres by 300 metres, comprising twelve holes and a total of 2,125.8 metres of drilling, indicates an average grade (weighted) of 0.27% copper, 0.014% MoS_2, 1.3 grams per tonne silver and 0.04 grams per tonne gold (Table I). Geologically inferred reserves of the mineralized zone (approximately 0.2% copper cut-off) based on 100-metre level plans are estimated

*Means are statistically different at the 99% confidence level.

at 251.4 million tonnes at a waste: ore ratio of 1.1:1. Within this zone is a "core" zone outlined by the inferred position of the 0.3% copper isopleth (Figure 3). This zone contains geologically inferred reserves of 41.4 million tonnes at an average tenor of 0.32% copper, 0.015% MoS_2, 1.5 grams per tonnes silver and 0.08 grams per tonne gold. The waste:ore ratio is estimated to be 1.1:1.

The quartz porphyry unit and related mineralized zone appear to terminate 350 metres northwest of drill hole #9. The ultimate potential of the mineralized zone thus appears to be an elongate zone 1200 metres long and 500 metres wide.

EXPLORATION PROGRAM

Drill results to date are encouraging but further work is required to fully establish the tonnage and grade potential of the prospect. Grid preparation, geological mapping and diamond drilling is required north of Gambier Creek to test the ultimate extent of the mineralized zone north of hole #9. In addition, further drilling west of holes #1 and #4 (MB 1 claim)is required to confirm the westward extent of the mineralized zone and the full extent and grade of the "core" zone.

Proposed drill holes are given in Figure 7. Terrain conditions do not permit easy access to some of the proposed sites hence considerable road preparation will be required. A small drill, preferably a BBS 17 or equivalent rig, is suggested. The camp should also be moved to Gambier Creek, upgraded, and access roads to the beach area improved. Grid work will require considerable clearing of deadfall and underbrush.

A geostatistical study is recommended to estimate average grades and grade distribution and continuity throughout the deposit. A supporting budget comprising a two stage program is given below. Stage I covers immediate costs for the current program and Stage II indicates funds required for an additional 6,000 metres of advanced drilling contingent on the success of the current program.

BUDGET ESTIMATE

STAGE I - Current Program

(1)	Diamond Drilling		
	8 holes, 1750 M x $50/m		$ 87,500
	Support Costs		25,000
(2)	Grid Preparation: 15km x $800/km		12,000
(3)	Camp Facilities		2,500
(4)	Technical Salaries and Costs		25,000
(5)	Transportation		4,000
(6)	Geostatistical Study		5,000
(7)	General Supplies		2,000
(8)	Assaying		6,000
		Total	$169,000
		Contingency Allowance	11,000
		TOTAL	$180,000

STAGE II - Advanced Drilling

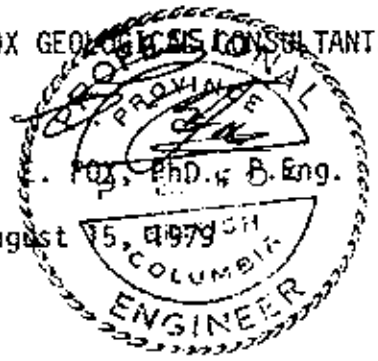
(1)	Diamond Drilling: 6,000 M x $50	$300,000
(2)	Assaying Costs	20,000
(3)	Technical Staff Salaries and Costs	50,000
(4)	Camp Supplies and Support	5,000
(5)	Engineering Study, Grade and Tonnage	25,000
	Total	$400,000
	Contingency	25,000
	TOTAL	$425,000

Prepared by

FOX GEOLOGICAL CONSULTANTS LTD.

P. [illegible] Fox, PhD., B.Eng.

August 15, 1979



CERTIFICATE

I, Peter Edward Fox, certify to the following:

1. I am a consulting geologist residing at 3743 Roblin Place, North Vancouver, British Columbia.

2. I am a Professional Engineer registered with the Association of Professional Engineers in British Columbia.

3. My academic qualifications are:
   B.Sc. and M.Sc., Queens University, Kingston, Ontario;
   PhD., Carleton University, Ottawa, Ontario.

4. I have been engaged in geological work for thirteen years since graduation.

5. I have no interest, direct or indirect, in the properties, shares, or securities of 20th Century Energy Corporation nor do I expect to receive any.

Vancouver, British Columbia
August 15, 1979

PETER E. FOX, Ph.D., P.Eng.

APPENDIX I

ASSAYS

GAMBIER PROJECT

ASSAYS

DDH 78-1

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
3.6	4.9	0.18	0.006		
4.9	6.4	.19	.009		
6.4	8.2	.23	.011		
8.2	9.8	.26	.005		
9.8	11.3	.26	.007	1.0	0.03
11.3	12.8	.27	.017		
12.8	14.3	.26	.014		
14.3	15.8	.15	.007		
15.8	17.4	.23	.011		
17.4	18.9	.22	.012	1.4	.03
18.9	20.4	.28	.012		
20.4	22.0	.11	.009		
22.0	23.6	.18	.013		
23.6	25.1	.31	.022		
25.1	26.6	.34	.015	1.0	.03
26.6	28.1	.19	.009		
28.1	29.7	.27	.015		
29.7	31.2	.29	.012		
31.2	32.7	.29	.015		
32.7	34.2	.21	.012	.3	.03
34.2	35.7	.26	.017		
35.7	36.7	.21	.006		
36.7	37.3	.32	.285		
37.3	38.8	.22	.011		
38.8	40.3	.29	.016	1.7	.10
40.3	41.8	.25	.017		
41.8	43.3	.30	.016		
43.3	44.9	.10	.022	.3	.17
44.9	46.4	.16	.010	.7	
46.4	47.9	.15	.026	.3	
47.9	49.4	.15	.015	.7	
49.4	50.9	.26	.014	1.0	
50.9	52.5	.24	.008	.3	
52.5	54.0	.21	.002	.3	
54.0	55.5	.20	.006	.7	
55.5	57.0	.23	.004	.3	
57.0	58.5	.27	.005	.3	
58.5	60.7	.16	.006	1.4	
60.7	61.6	.31	.011	.3	
61.6	63.1	.27	.014	1.7	
63.1	64.6	.36	.011	2.4	
64.6	66.1	.42	.028	2.1	
66.1	67.7	.37	.012	.7	
67.7	69.2	.33	.011	1.0	
69.2	70.7	.25	.028	1.0	
70.7	72.2	.23	.017	.7	
72.2	73.7	.34	.020	2.4	

GAMBIER PROJECT

ASSAYS

DDH 78-2

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
1.8	3.8	0.19	0.006	1.0	
3.8	5.8	.23	.003	1.7	
5.8	7.8	.22	.015	.7	
7.8	9.8	.05	.002	.3	
9.8	11.8	.02	.001	.3	
11.8	13.8	.01	.001	.3	
13.8	15.8	.02	.002	.3	
15.8	17.8	.01	.001	.3	
17.8	19.8	.01	.002	1.0	
19.8	21.8	.01	.001	.7	
21.8	23.8	.18	.014	.7	
23.8	25.8	.25	.012	.7	
25.8	27.8	.24	.020	1.4	
27.8	29.0	.14	.018	.7	
29	31	.16	.013	.3	
31	33	.23	.017	.7	
33	35	.19	.011	1.0	
35	37	.11	.009	1.0	
37	39	.19	.009	1.0	
39	41	.22	.030	1.7	
41	43	.24	.026	1.0	
43	45	.26	.036	1.4	
45	47	.20	.037	1.0	
47	49	.21	.013	1.0	
49	51	.23	.020	1.7	
51	53	.24	.013	.3	
53	55	.22	.014	.7	
55	57	.36	.017	2.7	
57	59	.29	.014	2.1	
59	61	.33	.016	2.1	
61	63	.34	.009	1.0	
63	65	.30	.016	1.4	
65	67	.25	.011	.7	
67	69	.28	.015	.3	
69	70.6	.18	.016	.3	
70.6	72.6	.09	.007	.3	
79.6	80	.34	.015	1.7	
80	82	.29	.008	1.4	
82	84	.29	.033	1.7	
84	86	.17	.010	.3	
86	88	.20	.011	.7	
88	90	.24	.011	1.0	
90	92	.32	.016	2.1	
92	94	.26	.014	1.4	
94	96	.32	.013	1.4	
96	98	.37	.013	1.4	
98	100	.25	.011	1.4	

GAMBIER PROJECT

ASSAYS

DDH 78-2 continued

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
100	102	0.53	0.027	1.7	
102.3	103.3	.05	.015	.3	
104.7	106	.43	.010	2.1	
106	108	.36	.010	1.7	
108	110	.36	.009	1.0	
110	112	.33	.009	1.4	
112	114	.28	.009	1.0	
114	116	.29	.019	.3	
116	118	.26	.008	.3	
118	120	.25	.015	.7	
120	122	.28	.009	1.0	
122	124	.33	.011	.7	
124	126	.25	.005	.7	
126	128	.26	.010	1.4	
128	130	.40	.004	1.4	
130	132	.13	.008	.3	
132	134	.27	.017	1.4	
134	136	.30	.032	1.4	
136	138	.19	.012	1.0	
138	140	.31	.011	1.0	
140	142	.19	.013	.3	
142	144	.16	.024	.7	
144	146	.18	.015	.3	
146	148	.24	.012	.3	
148	149.6	.29	.020	.7	

GAMBIER PROJECT

ASSAYS

DDH 78-3

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
13.4	14.0	0.25	0.013	2.4	0.02
14	16	.22	.014	2.4	.02
16	18	.28	.012	2.1	.02
18	20	.29	.021	2.1	.02
20	22	.13	.013	1.4	.03
22	24	.24	.021	1.4	.02
24	26	.19	.028	1.0	.03
26	28	.34	.014	1.4	.07
28	30	.27	.009	1.0	.03
30	33.5	.20	.009	1.4	.02
33.5	37.0	.17	.010	2.4	.02
37	39	.22	.010	1.7	.03
39	41	.27	.012	1.0	.03
41	43	.23	.012	1.4	.02
43	45	.18	.014	.7	.03
45	47	.27	.017	2.1	.17
47	49	.31	.012	2.4	.17
49	51	.44	.011	2.1	.09
51	53	.26	.019	1.4	.10
53	55	.29	.015	1.7	.10
55	57	.29	.013	2.1	.07
57	59	.19	.015	1.7	.10
59	61	.35	.015	2.1	.07
61	63	.34	.011	2.1	.12
63	65	.34	.015	1.7	.14
65	67	.42	.015	2.1	.26
67	69	.29	.011	2.4	.10
69	71	.35	.015	1.7	.14
71	73	.34	.021	2.4	.05
73	75	.48	.014	2.7	.17
75	77	.35	.015	2.4	.15
77	79	.40	.012	1.0	.12
79	81	.29	.014	2.1	.07
81	83	.48	.028	3.1	.07
83	85	.19	.023	1.4	.03
85	87	.33	.016	1.7	.03
87	89	.29	.015	2.1	.05
89	91	.26	.015	2.4	.02
91	93	.40	.017	2.4	.03
93	95	.43	.007	3.1	.02
95	97	.36	.013	2.1	.03
97	99	.27	.013	2.4	.03
99	99.6	.02	.001	1.7	.03
99.6	101	.77	.008	4.1	.05
101	103	.39	.009	2.1	.05
103	105	.34	.017	2.1	.03
105	107	.41	.008	2.1	.07
107	109	.41	.008	2.4	.07
109	111	.28	.012	1.7	.03

GAMBIER PROJECT

ASSAYS

DDH 78-3 continued

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
111	113	0.33	0.010	2.7	0.03
113	115	.58	.011	4.4	.03
115	115.9	.12	.003	1.7	.02
115.9	117	.45	.008	3.4	.05
117	119	.35	.011	1.7	.07
119	121	.37	.010	2.4	.05
121	123	.38	.011	2.7	.03
123	125	.33	.012	2.1	.02
125	127	.29	.012	2.7	.07
127	129	.48	.012	2.7	.09
129	131	.35	.006	2.4	.07
131	133	.39	.013	3.1	.07
133	135	.59	.014	3.1	.03
135	137	.54	.012	4.1	.03
137	139	.38	.009	3.4	.03
139	141	.35	.008	1.4	.03
141	143	.24	.006	.7	.07
143	145	.29	.009	2.1	.07
145	147	.32	.014	2.4	.09
147	149	.41	.017	2.7	.12
149	151	.27	.028	1.7	.05
151	153	.45	.016	3.8	.02
153	153.8	.41	.012	3.4	.02

GAMBIER PROJECT

ASSAYS

DDH 1

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
5.4	6	0.17	0.016	0.3	
6	8	.21	.007	.3	
8	10	.17	.019	.3	
10	12	.18	.010	.7	
12	14	.27	.042	.7	
14	16	.23	.022	1.0	
16	18	.25	.020	1.0	
18	20	.18	.010	.3	
20	22	.15	.011	1.0	
22	24	.19	.016	1.0	
24	26	.32	.015	1.0	
26	28	.30	.012	1.4	
28	30	.48	.016	2.4	
30	32	.39	.010	2.4	
32	34	.44	.014	2.1	
34	36	.36	.009	1.0	
36	38	.40	.010	1.4	
38	40	.43	.010	1.7	
40	42	.30	.014	1.4	
42	44	.31	.008	1.7	
44	46	.33	.017	.7	
46	48	.32	.011	1.4	
48	50	.38	.017	1.0	
50	52	.34	.008	.7	
52	54	.32	.013	.7	
54	56	.18	.014	.7	
56	58	.30	.012	1.0	
58	60	.27	.015	.7	
60	62	.32	.017	.3	
62	64	.30	.012	1.0	
64	66	.22	.016	1.0	
66	68	.28	.011	.7	
68	70	.39	.017	1.0	
70	72	.28	.015	1.4	
72	74	.20	.013	.7	
74	76	.25	.012	2.1	
76	78	.25	.006	1.4	
78	80	.27	.012	.7	
80	82	.22	.009	1.0	
82	84	.18	.011	.7	
84	86	.29	.011	.7	
86	88	.18	.008	1.0	
88	90	.16	.011	.3	
90	92	.24	.014	1.0	
92	94	.30	.015	1.4	
94	96	.32	.011	.3	
96	98	.40	.012	.3	
98	100	.26	.015	.7	

GAMBIER PROJECT

ASSAYS

DDH 1 continued

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
100	102	0.38	0.012	1.4	
102	104)				
104	106)	Not Assayed			
106	108)				
108	110)				
110	112	.27	.014	1.0	
112	114	.35	.010	1.4	
114	116	.20	.013	1.0	
116	118	.20	.008	.7	
118	120	.30	.014	1.0	
120	122	.20	.010	.3	
122	124	.27	.016	1.4	
124	126	.35	.013	1.7	
126	128	.45	.010	2.1	
128	130	.27	.013	1.7	
130	132	.37	.010	2.4	
132	134	.68	.010	3.8	
134	136	.72	.012	3.4	
136	138	.46	.009	2.7	
138	140	.54	.011	1.7	
140	142	.65	.008	3.4	
142	144	.41	.010	2.4	
144	146	.53	.007	3.4	
146	148	.40	.011	2.1	
148	150	.45	.010	2.4	
150	163	Not Assayed			

GAMBIER PROJECT

ASSAYS

DDH 2

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
2.4	4	0.11	0.019	1.0	
4	6	.14	.009	.3	
6	8	.16	.012	1.0	
8	10	.22	.011	1.0	
10	12	.17	.011	1.0	
12	14	.17	.011	1.0	
14	16	.30	.024	2.0	
16	18	.20	.007	.3	
18	20	.22	.014	1.0	
20	22	.30	.010	.7	
22	24	.21	.013	1.5	
24	26	.27	.015	1.0	
26	28	.24	.018	1.5	
28	30	.25	.022	.3	
30	32	.18	.010	.5	
32	34	.21	.015	.7	
34	36	.17	.015	1.0	
36	38	.17	.009	.3	
38	40	.21	.013	1.5	
40	42	.20	.016	.7	
42	44	.13	.014	1.0	
44	46	.35	.021	1.4	
46	48	.30	.020	2.0	
48	50	.12	.007	.7	
50	52	.25	.006	1.0	
52	54	.12	.007	1.4	
54	56	.10	.006	1.0	
56	58	.15	.007	1.4	
58	60	.22	.010	1.5	
60	62	.15	.006	1.0	
62	64	.19	.020	1.0	
64	66	.24	.018	1.7	
66	68	.18	.016	1.0	
68	70	.18	.017	1.4	
70	72	.36	.009	2.0	
72	74	.29	.011	1.7	
74	76	.23	.016	1.5	
76	78	.47	.020	2.1	
78	80	.29	.016	1.0	
80	82	.22	.016	1.4	
82	84	.18	.038	1.0	
84	86	.37	.016	2.1	
86	88	.28	.023	2.5	
88	90	.21	.022	1.0	
90	92	.17	.015	1.0	
92	94	.23	.011	2.4	
94	96	.14	.015	.5	
96	98	.13	.011	1.0	
98	100	.21	.032	1.0	

GAMBIER PROJECT

ASSAYS

DDH 2 continued

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
100	102	0.09	0.013	1.0	
102	104	.20	.009	1.5	
104	106	.16	.018	.7	
106	108	.24	.011	1.5	
108	110	.15	.020	1.9	
110	112	.19	.025	2.0	
112	114	.24	.018	1.7	
114	116	.29	.022	3.0	
116	118	.22	.014	1.7	
118	120	.19	.008	2.0	
120	122	.22	.004	2.1	
122	124	.17	.011	1.5	
124	126	.12	.005	1.0	
126	128	.14	.009	1.4	
128	130	.20	.008	1.7	
130	132	.20	.021	1.0	
132	134	.23	.008	1.7	
134	136	.21	.008	1.0	
136	138	.22	.010	1.7	
138	140	.15	.013	.5	
140	142	.28	.017	1.7	
142	144	.17	.021	1.0	
144	146	.28	.008	1.4	
146	148	.19	.012	1.5	
148	150	.18	.008	1.0	
150	152.0	.17	.006	.7	

GAMBIER PROJECT

ASSAYS

DDH 3

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
1.2	3	0.40	0.022	1.4	
3	6	.53	.013	2.1	
6	9	.46	.019	1.0	
9	12	.42	.025	1.4	0.03
12	15	.28	.013	1.4	
15	18	.47	.022	1.0	
18	21	.50	.015	1.0	
21	24	.43	.030	1.4	.07
24	27	.33	.017	.3	
27	30	.41	.028	1.0	
30	33	.30	.018	1.0	
33	36	.35	.025	1.0	.10
36	39	.32	.020	1.4	
39	42	.38	.014	2.1	
42	45	.32	.015	1.4	
45	48	.27	.017	.3	.10
48	51	.33	.036	.7	
51	54	.32	.034	.3	
54	57	.35	.019	.7	
57	60	.32	.016	1.7	.07
60	63	.32	.022	1.0	
63	66	.48	.019	1.4	
66	69	.45	.019	1.7	
69	72	.50	.018	1.0	.17
72	75	.39	.019	1.4	
75	78	.45	.016	1.0	
78	81	.54	.022	1.4	
81	84	.28	.020	1.7	.07
84	87	.37	.016	2.7	
87	90	.42	.031	2.1	
90	93	.43	.018	1.7	
93	96	.29	.016	1.0	.07
96	99	.01	.001	.3	
99	102	.01	.001	.3	
102	105	.23	.016	.7	
105	108	.43	.021	1.4	.07
108	111	.45	.021	1.7	
111	114	.37	.015	1.0	
114	117	.47	.016	.7	
117	120	.41	.018	1.4	.24
120	123	.46	.016	.7	
123	126	.48	.023	1.0	
126	129	.42	.020	1.4	
129	132	.37	.024	1.0	.34
132	135	.42	.032	1.4	
135	138	.45	.043	.7	
138	141	.36	.031	1.4	

GAMBIER PROJECT

ASSAYS

DDH 3 continued

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
141	144	0.25	0.025	0.7	0.27
144	147	.35	.032	.7	
147	150	.28	.019	.3	
150	153	.38	.021	1.0	
153	156	.26	.021	.3	.17
156	159	.43	.006	.7	
159	162	.27	.010	1.4	
162	165	.36	.015	.7	.10
165	168	.41	.010	.7	
168	171	.42	.015	1.4	
171	174	.35	.015	.3	
174	177	.27	.015	.3	
177	180	.27	.020	.3	.07
180	183	.30	.032	.7	
183	186	.45	.008	2.1	
186	189	.25	.010	1.4	
189	192	.30	.011	1.4	.13
192	195	.29	.013	1.7	
195	198	.31	.014	1.7	
198	201	.35	.018	1.7	.06
201	204	.45	.010	1.4	
204	207	.31	.010	1.4	
207	210	.44	.016	1.4	.12
210	213	.40	.008	1.7	
213	216	.37	.018	2.1	
216	219	.22	.028	.7	.14
219	222	.34	.013	.7	
222	225	.31	.010	1.0	
225	228	.39	.010	1.4	.15
228	231	.37	.014	1.7	
231	234	.25	.008	1.0	
234	237	.37	.018	1.4	.17
237	240	.26	.011	.7	
240	243	.22	.009	.7	
243	246	.28	.015	1.4	.09
246	249	.29	.025	1.0	
249	252	.25	.025	1.0	
252	255	.28	.013	.7	.19
255	258	.26	.013	1.0	
258	261	.17	.012	1.0	
261	264	.16	.010	.7	.13
264	267	.23	.009	1.4	
267	270	.27	.011	1.0	
270	273	.27	.018	1.7	.21
273	276	.28	.013	1.7	
276	279	.29	.010	1.7	
279	282	.22	.009	2.1	.06

GAMBIER PROJECT

ASSAYS

DDH 3 continued

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
282	285	0.23	0.009	0.7	
285	288	.25	.008	1.4	
288	291	.21	.021	.7	0.04
291	294	.21	.010	1.0	
294	297	.20	.031	1.4	
297	300	.18	.010	1.4	
300	303	Missing			
303	304.8	.18	.015	1.0	.07

GAMBIER PROJECT

ASSAYS

DDH 4

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
4	7	0.23	0.004	2.0	
7	10	.12	.006	1.5	
10	13	.17	.005	1.5	
13	16	.19	.010	1.0	
16	19	.26	.012	1.5	
19	22	.22	.007	1.0	
22	25	.26	.007	1.5	
25	28	.26	.012	1.0	
28	31	.34	.007	1.0	
31	34	.30	.008	1.5	
34	37	.31	.009	1.5	
37	40	.44	.008	2.5	
40	43	.22	.014	1.0	
43	46	.32	.011	1.5	
46	49	.29	.012	2.5	
49	52	.29	.022	2.0	
52	55	.37	.014	1.5	
55	58	.53	.017	4.5	
58	61	.47	.010	2.0	
61	64	.64	.011	3.0	
64	67	.40	.012	2.5	
67	70	.44	.052	2.0	
70	73	.38	.020	2.0	
73	76	.29	.008	2.5	
76	79	.21	.020	1.5	
79	82	.18	.013	1.5	
82	85	.19	.023	1.0	
85	88	.09	.010	.5	
88	91	.10	.021	1.0	
91	94	.08	.057	.5	
94	97	.12	.012	1.0	
97	100	.12	.005	.5	
100	103	.40	.016	2.5	0.03
103	106	.21	.007	1.0	
106	109	.48	.008	2.5	
109	112	.28	.006	1.5	.02
112	115	.12	.005	1.5	
115	118	.17	.005	1.0	
118	121	.11	.006	.5	.01
121	124	.06	.014	.5	
124	127	.07	.005	.5	
127	130	.06	.012	.5	.01
130	133	.27	.009	1.0	
133	136	.08	.009	.5	
136	139	.07	.010	.5	.06
139	142	.12	.031	.5	
142	145	.10	.021	.5	
145	148	.16	.031	.5	.03
148	151	.12	.010	.5	

GAMBIER PROJECT

ASSAYS

DDH 4 continued

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
151	154	0.16	0.015	1.0	
154	157	.10	.013	.5	0.01
157	160	.13	.012	1.0	
160	163	.14	.012	1.0	
163	166	.12	.017	1.0	.02
166	169	.15	.009	.5	
169	172	.14	.017	.5	
172	175	.11	.011	.5	.04
175	178	.17	.007	1.0	
178	181	.15	.009	1.0	
181	184	.16	.008	1.5	.02
184	187	.22	.007	.5	
187	190	.11	.007	.5	
190	193	.12	.004	.5	
193	196.1	.08	.003	.5	.01

GAMBIER PROJECT

ASSAYS

DDH 5

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
7.3	9	0.30	0.037	1.0	
9	12	.30	.019	2.5	
12	15	.32	.018	1.5	0.02
15	18	.34	.009	2.0	
18	21	.04	.002	.5	
21	24	.06	.091	1.0	.02
24	27	.09	.002	1.5	
27	30	.52	.004	5.0	
30	33	.28	.005	1.5	.02
33	36	.15	.004	1.0	
36	39	.17	.004	1.0	
39	42	.08	.007	.5	.03
42	45	.12	.015	.5	
45	48	.07	.071	.5	
48	51	.12	.005	.5	.02
51	54	.10	.003	1.0	
54	57	.05	.002	1.0	.02
57	60	.12	.002	.5	
60	63	.03	.002	.5	
63	66	.06	.005	1.0	.01
66	69	.09	.006	.5	
69	72	.20	.012	1.5	
72	75	.26	.020	1.5	.01
75	78	.33	.014	2.0	
78	81	.42	.016	2.0	
81	84	.42	.015	2.5	.03
84	87	.12	.015	1.0	
87	90	.27	.011	1.0	
90	93	.28	.015	2.0	.01
93	96	.18	.012	1.0	
96	99	.23	.012	1.5	
99	102	.28	.012	2.5	.01
102	105	.22	.012	2.0	
105	108	.24	.011	2.5	
108	111	.38	.011	3.0	.01
111	114	.31	.016	2.5	
114	117	.45	.010	1.5	
117	120	.29	.013	2.0	.01
120	123	.31	.010	2.5	
123	126	.27	.013	2.0	.01
126	129	.39	.012	2.5	
129	132	.35	.008	2.0	
132	135	.27	.008	3.0	
135	138	.31	.009	2.0	
138	141	.30	.011	2.0	
141	144	.27	.012	2.0	
144	147	.19	.011	1.5	
147	150	.09	.003	1.0	
150	153	.05	.002	1.0	

GAMBIER PROJECT

ASSAYS

DDH 5 continued

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
153	156	0.01	0.001	1.0	
156	159	.08	.002	1.5	
159	162	.01	.003	1.5	
162	165	.01	.001	1.0	
165	168	.01	.002	1.0	
168	171	.01	.001	1.0	
171	174	.01	.001	.5	
174	175.7	.01	.001	1.0	

GAMBIER PROJECT

ASSAYS

DDH 6

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
9	12	0.21	0.013	2.5	
12	15	.21	.012	2.0	
15	18	.40	.012	2.5	
18	21	.26	.009	2.0	
21	24	.33	.011	2.0	
24	27	.28	.016	1.0	
27	30	.16	.012	1.0	
30	33	.20	.011	1.0	
33	36	.21	.012	1.5	
36	39	.26	.017	1.5	
39	42	.27	.015	1.0	
42	45	.26	.016	1.0	
45	48	.35	.012	1.5	
48	51	.33	.021	2.0	
51	54	.41	.021	2.0	
54	57	.48	.014	2.0	
57	60	.37	.012	2.0	
60	63	.19	.027	1.5	
63	66	.28	.023	1.0	
66	69	.23	.010	2.0	
69	72	.29	.016	2.5	
72	75	.32	.009	1.0	
75	78	.05	.004	.5	
78	113	Not Assayed			
113	116	.33	.009	2.5	
116	119	.28	.015	2.0	
119	122	.20	.018	1.5	
122	125	.31	.016	2.5	
125	128	.21	.011	2.0	
128	131	.24	.022	2.5	
131	134	.30	.021	3.0	
134	137	.25	.017	1.5	
137	140	.33	.014	.5	
140	143	.22	.015	1.0	
143	146	.25	.017	1.0	
146	149	.34	.031	1.5	
149	152	.34	.014	1.5	
152	155	.22	.013	.5	
155	158	.33	.017	1.5	
158	161	.25	.013	1.0	
161	164	.44	.009	1.5	
164	167	.34	.014	1.0	
167	170	.31	.009	1.0	
170	173	.25	.016	1.0	
173	176	.29	.012	.5	
176	179	.18	.014	1.0	

GAMBIER PROJECT

ASSAYS

DDH 6 continued

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
179	182	0.20	0.019	1.0	
182	185	.30	.010	1.0	
185	188	.18	.010	1.5	
188	191	.22	.006	1.5	
191	194	.37	.005	2.0	
194	197	.41	.006	2.5	

GAMBIER PROJECT

ASSAYS

DDH 7

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
14	17	0.18	0.008	.5	
17	20	.10	.004	.5	
20	23	.12	.003	.5	
23	26	.14	.048	.5	0.07
26	29	.19	.006	1.0	
29	32	.17	.007	.5	
32	35	.15	.007	.5	.09
35	38	.15	.010	.5	
38	41	.14	.008	.5	
41	44	.13	.009	.5	.08
44	47	.16	.015	1.0	
47	50	.30	.012	1.0	
50	53	.18	.009	.5	.05
53	56	.14	.049	1.0	
56	59	.14	.023	1.0	.04
59	62	.35	.006	1.0	
62	65	.26	.014	1.0	
65	68	.35	.011	1.0	
68	71	.37	.028	1.0	.14
71	74	.17	.012	1.0	
74	77	.20	.021	1.0	
77	80	.16	.032	1.0	.09
80	83	.17	.009	.5	
83	86	.17	.012	.5	
86	89	.17	.012	.5	.12
89	92	.12	.034	.5	
92	95	.15	.010	1.0	.06
95	98	.12	.088	.5	
98	101	.26	.012	1.0	
101	104	.19	.038	1.0	.07
104	107	.14	.048	.5	
107	110	.15	.010	.5	
110	113	.10	.009	.5	.04
113	116	.17	.006	.5	
116	119	.05	.003	.5	
119	122	.12	.005	1.5	
122	125	.20	.009	1.0	.01
125	128	.17	.012	1.0	
128	131	.19	.006	1.0	
131	134	.24	.005	.5	.05
134	137	.20	.004	1.0	
137	140	.24	.008	1.0	
140	143	.38	.012	2.0	.03
143	146	.17	.008	.5	
146	149	.28	.022	1.5	
149	152	.19	.015	1.5	.11

GAMBIER PROJECT

ASSAYS

DDH 7 - continued

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
152	155	0.18	0.015	1.0	
155	158	.28	.008	1.0	
158	161	.22	.013	1.5	0.03
161	164	.23	.006	.5	
164	167	.24	.009	.5	
167	170	.10	.009	.5	.03
170	173	.16	.006	.5	
173	176	.14	.011	.5	
176	179	.18	.022	1.0	.01
179	182	.17	.004	.5	
182	185.7	.16	.017	.5	.02

GAMBIER PROJECT

ASSAYS

DDH 8

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
3.3	5	0.42	0.017	1.0	
5	8	.53	.014	1.5	
8	11	.41	.018	1.0	0.08
11	14	.42	.019	2.0	
14	17	.23	.019	.5	
17	20	.16	.021	.5	.10
20	23	.16	.027	.5	
23	26	.25	.020	1.0	
26	29	.20	.011	.5	.02
29	32	.24	.016	.5	
32	35	.23	.013	1.0	
35	38	.28	.018	1.0	.01
38	41	.28	.017	.5	
41	44	.43	.010	1.0	
44	47	.39	.022	1.0	.02
47	50	.33	.015	.5	
50	53	.30	.021	.5	
53	56	.27	.018	.5	.07
56	59	.30	.032	.5	
59	62	.29	.016	.5	
62	65	.15	.018	.5	.05
65	68	.31	.021	.5	
68	71	.27	.035	.5	
71	74	.31	.024	1.0	.03
74	77	.25	.017	.5	
77	80	.27	.015	1.0	
80	83	.29	.021	.5	.04
83	86	.27	.013	2.0	
86	89	.19	.017	1.5	
89	92	.23	.015	2.5	.02
92	95	.29	.022	2.0	
95	98	.30	.013	2.0	
98	101	.23	.017	1.5	.03
101	104	.32	.020	3.0	
104	107	.18	.019	3.0	
107	110	.16	.015	2.5	.01
110	113	.34	.016	2.0	
113	116	.15	.003	1.0	
116	119	.10	.009	.5	.01
119	122	.07	.006	1.0	
122	125	.21	.011	1.5	
125	128	.26	.016	.5	.02
128	131	.29	.018	2.0	
131	134	.36	.014	2.5	
134	137	.26	.013	3.0	.02
137	140	.31	.009	2.5	
140	143	.20	.025	2.0	

GAMBIER PROJECT

ASSAYS

DDH 8 - continued

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
143	146	0.17	0.015	.5	0.01
146	149	.28	.015	1.0	
149	152	.17	.018	1.0	
152	155	.16	.013	.5	.02
155	158	.05	.011	1.0	
158	161	.09	.004	2.0	
161	164	.13	.008	2.5	.01
164	167	.21	.010	2.0	
167	170	.13	.011	2.0	
170	173	.40	.009	3.0	.01
173	176	.12	.012	1.0	
176	179	.13	.010	1.0	
179	182	.15	.009	1.5	.01
182	185	.30	.007	1.5	
185	188	.20	.009	1.0	
188	191	.20	.011	2.0	.01
191	194	.24	.013	1.5	
194	197	.25	.017	2.0	
197	200	.06	.003	1.0	.01
200	203	.02	.001	1.5	
203	206	.09	.002	1.0	
206	209	.29	.006	2.5	
209	212	.32	.027	2.5	.01

GAMBIER PROJECT

ASSAYS

DDH 9

From (m)	To (m)	% Cu	% MoS_2	Ag (g/t)	Au (g/t)
25	28	0.24	0.006	2.0	
28	31	.27	.008	2.0	
31	34	.32	.007	3.0	
34	37	.17	.005	1.5	0.01
37	40	.21	.007	1.5	
40	43	.18	.011	2.0	
43	46	.12	.013	1.0	.01
46	49	.20	.019	1.5	
49	52	.24	.010	2.0	
52	55	.19	.011	1.5	.01
55	58	.24	.013	1.0	
58	61	.17	.011	.5	
61	64	.18	.012	1.0	.02
64	67	.19	.016	1.5	
67	70	.13	.007	1.0	
70	73	.13	.004	1.5	.01
73	76	.18	.006	1.0	
76	79	.13	.011	1.5	
79	82	.22	.004	2.0	.01
82	85	.34	.006	2.5	
85	88	.23	.003	1.5	
88	91	.29	.061	2.0	.01
91	94	.20	.005	1.5	
94	97	.20	.009	2.0	
97	100	.30	.008	2.5	.01
100	103	.34	.039	1.5	
103	106	.47	.021	2.5	.02
106	109	.34	.009	2.0	
109	112	.28	.014	1.5	
112	115	.39	.009	2.0	.02
115	118	.53	.009	3.5	
118	121	.52	.012	3.0	
121	124	.74	.009	4.0	.02
124	127	.45	.013	2.5	
127	130	.34	.005	1.0	
130	133	.13	.004	1.0	
133	136	.17	.004	1.0	.01
136	139	.27	.008	1.5	
139	142	.26	.017	1.5	
142	145	.17	.013	2.0	.01
145	148	.05	.108	1.0	
148	151	.11	.008	1.0	.01
151	154	.14	.005	1.5	
154	157	.21	.011	2.0	
157	159.1	.25	.006	2.0	.01

APPENDIX II

DRILL LOGS

GAMBIER PROJECT

DRILL LOGS

Symbols

S Sericite

B Biotite

K K-feldspar

C Chlorite

E Epidote

Vein counts in veins/metre

Cu and MoS_2 assays in per cent

Gold and silver in grams per tonne

Intensity coded 1 to 5 (1 = absent)

Lithology

TERTIARY (?)

6 — Barren dacite porphyry dykes

5 — Quartz - feldspar porphyry, intramineral quartz porphyry dykes, intrusive breccia, subporphyritic granitic rocks.

4 — Massive medium grained diorite

CRETACEOUS

3 — Heterogeneous mafic - rich diorite, numerous mafic inclusions

JURASSIC

GAMBIER GROUP

2 — Massive andesitic rocks of the Gambier Group, (a) hornfelsed and hydrothermally altered rock of the "C" zone

1 — Volcanic sediments - gritstone, conglomerate, breccia, volcanic wacke chert and argillite, (a) propylitic sediments rich in epidote and quartz veinlets

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing
		315°

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length 73.7 metres
Hor. Comp. / Vert Comp.
Bearing 315°
Begun 16-11-1978 Completed 20-11-78
Core size BQ / Recovery 100 %

HOLE No. 78-1
Sheet 1 of
Logged by P. PETC
Sampled by R. F. Roberts

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Lithol'y	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bn			Min. Mt	Graphic
0	2.0	2		OVERBURDEN															
2	10	8		Box 1 Mottled, dk green to grey-green, fn gr. siliceous [illegible] [illegible] Bx, c angular chloritic frags, & freq. irreg. chlorite patches, c [illegible] compact siliceous matrix. Bx [illegible] fracs, w fn gr. Mo, & fn gr. cp. Cut by rusty fracs & Qz-Ilts 1-5mm thick & dissem'd Mo, 45° c.A. [illegible] magnetism [illegible]	2a	1	1	1	1	3	2	2	3	2	1			3	
10.4	17.4	7		Box 2 Mottled, grey-green to dk green, fn gr., "agglom'd Bx" c irreg. chlor ± py fracs, cut by [illegible] fracs, ep altered, & Qz+Ilts 5%-2mm thick, carrying py cubes ± dissem. [illegible] also [illegible] chlor frags; chl-fracs ± py cubes. Silic matrix carrying fine gr. dissem cp.	2a	1	1	1	1	3	2	2	3	7	1			1	
17.4	24.7	7.3		Box 3 Mottled, grey-green to dk green, silicified & chloritic rock c irreg. chlor. clots carrying & fine gr. dissem cp, [illegible], & mod. gr. py. cubes. Cut by chlor fracs, & Qz+Ilts 1-5mm thick, carrying dissem. cp.	2a	3	1	1	1	3	2	1	3	2	1			2	
24.7	31.7	7		Box 4 Mottled, grey-green to dk green, fn gr., silicified-chloritic rock c chloritic clots carrying v. fine to med gr. py cubes, & v. fn gr. dissem cp. Cut chlor. fracs & Qz+Ilts 1-10mm thick, 10-60° c.A. carrying py, cp & Mo & fn gr. dissem.	2a	4	1	1	1	3	2	2	2	2	1			1	
31.7	38.7	7		Box 5 31.7-36m mottled, grey-green to dk green, fn gr. silicified-chloritic rock & chlor frags, [illegible] 36-38.7m Dk green fn gr. uniform	2a	3	1	1	1	3	2	2	2	2	1			3	

Samples No.	From	To	m	Cu	MoS_2	Au	Ag
	3.6	4.9	1.3	0.18	.006		
	4.9	6.4	1.5	.19	.029		
	6.4	8.2	1.8	.23	.011		
	8.2	9.8	1.6	.26	.005		
	9.8	11.3	1.5	.26	.007	.003	1.0
	11.3	12.8	1.5	.27	.017		
	12.8	14.3	1.5	.26	.014		
	14.3	16.8	1.5	.15	.007		
	15.8	17.4	1.6	.23	.011		
	17.4	18.9	1.5	.22	.012	.03	1.4
	18.9	20.4	1.5	.28	.012		
	20.4	22.0	1.6	.11	.009		
	22.0	23.6	1.6	.15	.013		
	23.6	25.1	1.5	.31	.024		
	25.1	26.6	1.5	.34	.015	.03	1.0
	26.6	28.1	1.5	.19	.009		
	28.1	29.7	1.6	.27	.018		
	29.7	31.2	1.5	.29	.012		
	31.2	32.7	1.5	.29	.015		
	32.7	34.2	1.5	.21	.012	.03	.3
	34.2	35.7	1.5	.26	.017		
	35.7	36.7	1.0	.21	.006		
	36.7	37.3	0.6	.32	.200		

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 78-1
Sheet 2 of
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALT. S	ALT. B	ALT. K	ALT. C	ALT. E	MIN. Mo	MIN. Py	MIN. Cp	MIN. Bn			MIN. Mt	GRAPHIC
				chlorite-ep-mt rich rock c dissem py, cp, & mt. 36.7–37.2 m core [illegible] chlor ± ep [illegible] c ep aggs, [illegible] ~45° c.a. Cut by chlor & carb-fracs, Qz vlts, 1–5mm thick, 10–60° c.a., c dissem Mo, & [illegible], dissem cp aggs & ep.	2a														
38.7	45.8	7.1		Box 6 mottled siliceous-chloritic rock c [illegible] chlor clots; carrys dissem py cubes, v.fn. gr. mt, & cp. Cut by chlor fracs, ep [illegible] 1mm thick, & Qz vlts, 1–10mm thick, 0–60° c.a., carrying dissem cp, Mo & py. Mo flakes on some fracs.	2a	3	1	1	1	3	2	2	2	2	1			3	
45.8	52.8	7		Box 7 mottled, dk green to grey-green, silic and-chlor. rock, uniform to spotty, carrying fn to coarse gr. py cubes, spotty dissem mt, cp & [illegible] ep aggs. Cut by carb fracs & chlor-carb-fracs c slicks & Mo smears, also cut by Qz vlts, 1–5mm thick c dissem cp, Mo & py, ~0–60° c.a.	2a	3	1	1	1	3	2	2	2	2	1			2	
52.8	60.1	7.3		Box 8 mottled fn. gr. siliceous chloritic rock, carrys v.fn.gr. dissem cp, cp aggs, fn. gr. py cubes. Cut by chlor ± py fracs, ep [illegible] ± cp, [illegible] fracs, local mt clots, Qz vlts, 1–5mm thick, 0–60° c.a., carrying traces cp. Ep spots locally.	2a	3	1	1	1	3	2	1	2	2	1			2	
60.1	66.8	6.7		Box 9 Mottled grey-green to dk green, siliceous-chloritic rock; carrys dissem Mo flakes, py cubes to 3mm, & v. fn. gr. dissem cp. Cut by ep fracs, 1–5mm chlor-sericite fracs ~60° c.a., & Qz vlts, 1–3mm thick, 0–60° c.a. carrying cp, py.	2a	4	2	1	1	3	2	2	2	2	1			1	

SAMPLES No.	From	To	m	Cu	MoS2	Au	Ag
	37.3	38.8	1.5	.22	.011		
	38.8	40.3	1.5	.29	.046	.10	1.7
	40.3	41.8	1.5	.25	.001		
	41.8	43.3	1.5	.30	.016		
	43.3	44.9	1.6	.40	.012	.07	.3
	44.9	46.4	1.5	.16	.010		.7
	46.4	47.9	1.5	.18	.036		.3
	47.9	49.4	1.5	.18	.015		.7
	49.4	50.9	1.5	.26	.014		1.0
	50.9	52.5	1.6	.24	.025		.3
	52.5	54.0	1.5	.21	.042		.3
	54.0	55.5	1.5	.20	.026		.7
	55.5	57.0	1.5	.23	.004		.3
	57.0	58.5	1.5	.27	.025		.3
	58.5	60.7	2.2	.16	.026		1.4
	60.7	61.6	0.9	.31	.011		.3
	61.6	63.1	1.5	.27	.014		1.7
	63.1	64.6	1.5	.36	.011		2.4
	64.6	66.1	1.5	.42	.045		2.1
	66.1	67.7	1.6	.37	.012		.7
	67.7	69.2	1.5	.33	.011		1.0
	69.2	70.7	1.5	.25	.026		1.5
	70.7	72.2	1.5	.23	.017		.7
	72.2	73.7	1.5	.34	.020		2.4

DRILL HOLE RECORD
Gambier Project

Collar — Inclination — Bearing	PROPERTY GAMBIER ISLAND	Length	HOLE No. 78-1
	Location	Hor. Comp. / Vert. Comp.	Sheet 3 of
	Elevation	Bearing	Logged by
	Coordinates N / E	Begun / Completed	Sampled by
		Core size / Recovery %	

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Po		Mt	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
66.8	74.1	7.3		Box 10 mottled grey-green, fn gr. siliceous '-[illegible]' rock c lng to ovoid dk green clots, carrying dissem py cubes, pt locally, Mo flakes, [illegible] on thin [illegible] fract. C.f [illegible] epidote strings. [illegible], chlor fract ± py ± Mo smears [illegible] vlts, 1-3mm thick, 0-60° c.a., carrying cp aggs, & Mo flakes	2	2	1	1	1	3	2	2	2	2	1		2									
74.1	76.2	2.1		Box 11 Same as above.																						

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar	-90°	

PROPERTY	GAMBIER ISLAND
Location	
Elevation	
Coordinates	N / E

Length	149.6 metres
Hor. Comp. / Vert. Comp.	
Bearing	
Begun	1-12-1978 / Completed 2-1?-197?
Core size	BQ / Recovery %

HOLE No.	TE-2
Sheet	1 of
Logged by	P. Peto(?)
Sampled by	A.F. Roberts

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litho'y	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo	Mi	Graphic
0	1.8			OVERBURDEN			1	1	1	3	2	1	3	2	1	2	
1.8	9.4	7.6		1.8 – 4.3 m mottled, grey-green to dk green, fine(?) spotted Bx, c̄ irreg. chlor. frags set in a compact, grey, siliceous matrix, carrying dissem py cubes, specks, + Mo(?) dissem. ... some frags. 4.3 – 5.5 m, dk green, fn gr., chloritic-ep-rich dacite(?) dyke, carrying dissem py to 1 mm, cut by 2 mm thick ep fracs. 5.5 – 8.4 m mottled siliceous-chloritic rock c̄ epidote fracs, + fn gr. mt & py cubes. Cp on some fracs. 8.4 – 9.4 m dacite dyke as above.	2a, 6												
9.4	16.5	7.1		Box 2 Dk green, fn gr. compact, massive, dacite(?) dyke, consisting of fn gr. chlor. grey plag(?) secondary ep. Cut by ep & chl. fracs at 90° c/a, 1–20 mm thick. Locally magnetic. Possibly gabbro.	6	0	1	1	1	4	3	1	1	1	1	2	
16.5	23.7	7.2		Box 3 16.5 – 22.5 m gabbro / dacite(?) dyke as above. 22.5 – 23.7 m mottled, siliceous – chloritic rock c̄ dissem fn gr. py cubes & specks. Brecc.(?) Also cut by qz-ep veins, 90° c/a, c̄ ep selvages.	6, 2a	0	1	1	1	3	3	2	2	2	1	2	
23.7	30.4	6.9		Box 4 mottled to spotted, grey-green & dk green, siliceous chloritic intrusive Bx, c̄ fn gr. chlor. frags set in a compact grey, siliceous matrix, carrying dissem py cubes, specks, trace Mo flakes. Cut by ep veins <1 mm thick 90–60° c/a, qz vlts, 1–10 mm thick, 45–60° c.a., c̄ dissem Mo, ep & py. Mt locally. 29 – 29.7 m, brecciated c̄ qz vein frags & sericite [illegible]	2a	3	2	1	1	3	2	2	2	2	1	2	

Samples No.	From	To	m	Cu	MoS_2	Au	Ag
	1.8	3.8	2	0.19	0.016		1.0
	3.8	5.8	2	.23	.003		1.7
	5.8	7.8	2	.22	.015		.7
	7.8	9.8	2	.05	.002		.3
	9.8	11.8	2	.02	.001		.3
	11.8	13.8	2	.01	.001		.3
	13.8	15.8	2	.02	.002		.3
	15.8	17.8	2	.01	.001		.3
	17.8	19.8	2	.01	.002		1.0
	19.8	21.8	2	.01	.001		.7
	21.8	23.8	2	.18	.004		.7
	23.8	25.8	2	.25	.012		.7
	25.8	27.8	2	.24	.025		1.4
	27.8	29.0	1.2	.14	.018		.7
	29	31	2	.16	.013		.3
	31	33	2	.23	.017		.7
	33	35	2	.15	.011		1.0
	35	37	2	.11	.005		1.0
	37	39	2	.19	.029		1.0
	39	41	2	.22	.030		1.7
	41	43	2	.24	.026		1.0
	43	45	2	.26	.030		1.4
	45	47	2	.20	.031		1.0

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar		

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 78-2
Sheet 2 of
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bu			Min. Mi	Graphic
30.6	37.4	6.8		Mottled, dk green to green, siliceous-chloritic rock, carrying dissem py cubes, ep aggs & cl frags, [illegible] in a f.gr. chl-ep-siliceous matrix. Cut by chlorite [illegible] fracs, carb- fracs & ep-chl & py fracs <1 mm thick, 60–20° c.a.; also cut by qz vlts, 1–5 mm thick, 40–60° c.a., carrying ep, py & [illegible]. Secondary, dk brown biotite	2a	4	1	2	1	3	2	2	2	2	1			3	
37.4	44.6	7.2		Box 6 Mottled, grey-green to dk green, siliceous-chloritic rock & chlor frags in siliceous matrix. 38.5 & 43.8 m, uniform, dk green. Both cut by ep fracs, qz vlts, & carry dissem py, chlco, v.f.gr. [illegible], traces of Mo, ep locally. Qz vlts, 1–20 mm thick, 0° & 60° c.a., carrying [illegible] ep & py. 44.17 m – 44.37 m gouge 20° c.a.	2a	6	1	1	1	3	2	2	2	2	1			2	
44.6	51.7	7.1		Box 7 Uniform to mottled, f.gr. siliceous-chloritic rock carrying f.gr. dissem py cubes, Mo flakes locally, chlor frags, ep aggs & v.f.gr. [illegible] locally. Cut by ep stringers & fracs, chlor & carb fracs, qz vlts, 1–10 mm, 90–80° c.a., carrying ep, chlor & ep aggs. 46.1–46.4 m gouge.	2a	4	1	1	1	3	2	2	2	2	1			2	
51.7	58.5	6.8		Box 8 Mottled, grey-green to dk green, siliceous-chloritic rock to spotted Bx (54.5–58.5), carrying dissem ep aggs, py cubes, Mo flakes locally. Cut by smooth chlor fracs, carb-sericite fracs & qz vlts, 1–5 mm thick, 60° c.a., carrying ep aggs, [illegible] fracs, chlor & carb, carrying py & cp.	2a	4	2	1	1	3	2	2	2	2	1			2	

Samples No.	From	To	m	Cu	MoS2	Au	Ag
	47	49	2	.21	.013		1.0
	49	51	2	.23	.020		1.7
	51	53	2	.24	.013		1.3
	53	55	2	.22	.014		.7
	55	57	2	.36	.017		2.7
	57	59	2	.29	.014		2.1
	59	61	2	.33	.016		2.1
	61	63	2	.34	.009		1.0
	63	65	2	.30	.016		1.4
	65	67	2	.25	.01		.7
	67	69	2	.28	.015		.3
	69	70.6	1.6	.18	.016		.3
	70.6	72.6	2	.09	.007		.3
	79.6	80.0	0.4	.34	.015		1.7
	80	82	2	.29	.008		1.4
	82	84	2	.29	.033		1.7
	84	86	2	.17	.010		.3
	86	88	2	.20	.011		.7
	88	90	2	.24	.011		1.0
	90	92	2	.32	.016		2.1
	92	94	2	.26	.044		1.4
	94	96	2	.32	.013		1.4
	96	98	2	.37	.013		1.4

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND	Length
Location	Hor. Comp. /Vert. Comp.
Elevation	Bearing
Coordinates N / E	Begun /Completed
	Core size /Recovery %

HOLE No. 78-2
Sheet 3 of
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Min. Mt	Graphic
58.5	66.1	7.6		Box 9 Mottled to uniform, fine gr., siliceous-chloritic rock carrying dissem. py cubes, [illegible] cp / ep [illegible], trace [illegible] Mo. Cut by <1mm thick ep [illegible] Qz-ep-chl-[illegible] shears, smooth chlor ± py fracs & Qz vlts, 1-5mm thick, ~60° to C.A., carrying [illegible] ± ep ± chlor. Uniform dk green, fine gr. rock carrying v. fine gr. dissem. [illegible]	2a	6	1	1	1	3	2	2	2	2	1			3	
66.1	73.8	7.8		Box 10 Core loss 70.9-71.26. Fault zone 70.9-71.3 m. Mottled to uniform, dk green, siliceous chloritic rock carrying py cubes, cp [illegible] v. fine [illegible] dissem. [illegible]. Cut by [illegible] ep fracs <1mm thick, smooth chl-[illegible] faults, 1-5mm thick, 0-50° to C.A., carrying cp [illegible] ± ep. 72.6-73.8 [illegible] dacite porphyry dyke	2a	5	1	1	1	3	2	1	2	2	1			3	
73.8	80.5	6.7		Box 11 73.8-79.2m Dacite porphyry dyke cut by ep fracs, ep [illegible] matrix [illegible] dark mafic [illegible]; contact [illegible] mottled siliceous-chloritic rock ~60°, which carrys dissem. cp [illegible] 3mm [illegible] py cubes, cut by Qz vlts, ~60° to C.A., carrying [illegible] ep. 10/metre. Dacite [illegible] locally	6	0	1	1	1	3	2	1	2	2	1			2	
80.5	88.3	7.8		Box 12 Missing core 87-88.5m. Mottled, [illegible] siliceous-chloritic "[illegible]" intrusive [illegible] carrying dissem. py cubes [illegible] locally, [illegible] dissem. cp [illegible], [illegible] flakes. Cut by smooth chlor fracs & Qz vlts 1-36mm thick ~45-60° to C.A., carrying dissem. py, ep. Second. [illegible] + [illegible] locally	2a	7	1	2	1	3	2	2	2	2	1			2	

Samples No.	From	To	m	Cu	MoS2	Au	Ag
	98	100	2	.25	.011		1.4
	100	102	2	.53	.027		1.7
	102.3	103.3	1	.05	.015		.3
	104.7	106	1.3	.43	.010		2.1
	106	108	2	.36	.010		1.7
	108	110	2	.36	.019		1.0
	110	112	2	.33	.019		1.4
	112	114	2	.28	.019		1.0
	114	116	2	.25	.019		.3
	116	118	2	.26	.009		.3
	118	120	2	.25	.015		.7
	120	122	2	.28	.019		1.0
	122	124	2	.33	.011		.7
	124	126	2	.25	.005		.7
	126	128	2	.26	.010		1.4
	128	130	2	.40	.024		1.4
	130	132	2	.13	.018		.3
	132	134	2	.27	.017		1.4
	134	136	2	.30	.032		1.4
	136	138	2	.19	.012		1.0
	138	140	2	.31	.011		1.0
	140	142	2	.15	.013		.3
	142	144	2	.16	.021		.7

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 78-2
Sheet 4 of
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Mt
88.3	95.4	7.1		Box 13 Mottled, grey-green to dk green, siliceous & chloritic intrusive Bx c chloritic ±cp ±py frags set in siliceous matrix. Cut by thin ep + carb fracs, & qtz lts, 1-5mm thick, 60-65° to C.A., carrying dissem cp aggs, ±Mo ± scheelite ± py.	2a	3	1	1	1	3	2	2	2	2	1			1
95.4	102.6	7.2		Box 14 Mottled, grey-green to dk green, intrusive Bx c chloritic frags set in a compact siliceous matrix. Bx carrys dissem py cubes, cp aggs, & cp spots, & v. fn gr. [illegible] locally. Cut by ep fracs, carb-sericite altered, [illegible] fracs, & qtz vlts, 1-5mm thick, 45-60° to C.A. carrying dissem cp aggs ±Mo flakes.	2a	4	2	1	1	3	2	2	2	4	1			2
102.6	109.8	7.2		Box 15 102.6-103.3, 104.7-109.8 m mottled, dk green to grey, siliceous chloritic Bx c chlorite + [illegible] frags set in compact siliceous matrix. Carrys dissem py cubes, cp aggs, v. fn gr cp & py, mt locally. Cut by ep, siliceous, chlorite & py fracs & qtz vlts, 1-5mm thick, 45-90° to C.A. carrying py, cp. 103.3-104.7 m dacite dyke, fn gr. c [illegible] chill zone @ upper contact.	2a	2	1	1	1	3	2	1	2	2	1			2
109.8	117	7.2		Box 16 Mottled to uniform, siliceous-chloritic rock, dk green to grey-green, fn gr. carrying fn gr. dissem cp, py, mt & py cubes locally, cp aggs. [illegible]. Cut by ep-carb-py fracs, chlor-[illegible] fracs, [illegible] shears, ~45° to C.A. @ 112.9 m. Cut by qtz vlts, 1-5mm thick, 0-60° to C.A., carrying cp aggs ± py.	2a	3	1	1	1	3	2	2	2	2	1			2

GRAPHIC

SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
	144	146	2	.18	.05		.3
	146	148	2	.24	.02		.3
	148	149.6	1.6	.29	.02		.7

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 98-2
Sheet 5 of
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Mi	GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
117	124	7		Box 17 Mottled, to uniform, dk green to gray-green, intrusive Bx c chloritic fragments in compact siliceous matrix, carrying fine gr. dissem py, cp, cp-cubes, but in chloritic schlieren. Cut by ep stains, chlor + py fracs, carb fracs & occ. ep + py fracs less than 1mm thick. Also cut by Qz vlts, 1-5mm thick, 80-50° c.a., carrying dissem cp, py ± cp.	2a	5	1	1	1	3	2	2	2	2	1			2									
124	131.5	2.3		Box 18 Mottled, dk green to gray-green fn-gr., distinctly mottled, siliceous-chloritized rock carrying cp, py cubes & fn-gr. mt. Cut by carb fracs, broken ep stains, smooth chlor ± py fracs, & Qz vlts 1-3mm thick, 40-60° c.a. carrying cp, py.	2a	2	1		1	3	2	1	2	2	1			2									
131.3	138.3	7		Box 19 Mottled, gray-green to dk green, fn-gr. "spotted Bx" Dk fn-gr. frags contain chlor, Bio, mt, ± cp ± py. Bx carries dissem cp, py cubes, Mo flakes. Cut by smooth chlor ± py fracs ~60° c.a., ep stains, 1-3mm thick ~65° c.a., carb-chlor fracs ~30° c.a., ep-carb-chlor stains & MO clusters (@ 134.6 m) ~20° c.a., & Qz vlts, 1-5mm thick, 45-60° c.a. carrying py, cp. See Bio	2a	2	1	2	1	3	2	2	2	2	1			2									
138.3	146	7.7		Box 20 Mottled, to uniform, dk green & gray-green, siliceous chlor. rock c chlor. frags ± Bio & mt, to dk green fn-gr. mt-rich rock. Carrying py & cpy. Cut by chlor-carb fracs 60° & 45° c.a., smooth chlor fracs ~60° c.a., ep stains, <1mm thick irreg. & Qz vlts 1-5 mm thick, 80-45° c.a., carrying cpy, py.	2a	3	1	1	1	3	2	1	2	2	1			2									
146	149.6	3.6		Box 21 Same as Above + Mo flakes		3	1	1	1	3	2	2	2	2	1			2									

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar	−90°	—

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length 153.? metres
Hor. Comp. /Vert Comp.
Bearing
Begun 7-12-78 /Completed 15-12-78
Core size BQ /Recovery %

HOLE No. 78-3
Sheet 1 of
Logged by P. Peto
Sampled by A.E. Roberts

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Ml	GRAPHIC
0	3	3		Casing – 0/B															
3	10	7		Box 1 3–9.5m, 9.8–10m, dk green to yellow-green, fine gr. andesitic or mafic dyke, locally magnetic, chlorite/ep, feldsp., chloritic, cut by ep-qz veinlets, ep fracs, carb fracs, 90–45° to C.A. Carb fills cut ep fracs. 9.5–9.8m siliceous-chloritic rock c qz & carb fracs ~60–45° to C.A., c dissem Mt, & ep aggs.	2a / 6	C	1	1	1	3	3	2	1	2	1			3	
10	16.5	6.5		Box 2 10–13.4m Mafic dyke as above, prob. altered diorite? 13.4–16.5 m, Mottled, grey-green to dk green siliceous-chloritic rock c dissem ep aggs, cut by chlor-carb fracs, ep stringers & qz vlts, 1–20mm thick, 60–40° to C.A., c dissem ep aggs.	6 / 2a	3	1	1	1	3	2	1	1	2	1			2	
16.5	23.4	6.5		Box 3 16.5–19.7m; 22.6–23.4 m mottled to spotted, siliceous chloritic Bx carrying [illegible] ep aggs, ep masses in fracs, [illegible] 19.7–22.6 m, pale green, qz? sericite-chlorite carb. rock?, carrys v. fine gr. dissem py & Mo. Both rocks cut by carb fracs & qz vlts, 1–5mm thick, 10–60° to C.A., carrying ep aggs.	2a	4	3	1	1	3	2	2	2	2	1			1	
23.4	30.4	7		Box 4 Blocky interval, highly fractured c chlor-carb-filled fracs & slicks 23.4–30.4 m fault zone. mottled, pale green, dk green & grey siliceous-chlor. rock carrying ep aggs. Qz vlts, 1–5mm thick, carrying dissem Mt, ep.	2a	3	2	1	1	3	2	2	2	2	1			1	
30.4	37.3	6.9		Box 5 Blocky interval, cut by numerous chlor-carb fracs & slicks. fault zone. Similar as above, also cut by ep stringers c Bt, Mo c mottled ep aggs.	2a	2	2	1	1	3	2	2	2	2	1			1	

SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
	13.4	14.0	0.6	0.15	0.013	0.04	2.4
	14	16	2	.22	.014	.02	2.4
	16	18	2	.28	.043	.02	2.1
	18	20	2	.29	.021	.02	3.1
	20	22	2	.13	.013	.03	1.4
	22	24	2	.24	.021	.02	1.4
	24	26	2	.19	.028	.03	1.0
	26	28	2	.34	.014	.07	1.4
	28	30	2	.27	.029	.03	1.0
	30	33.5	3.5	.20	.029	.02	1.4
	33.5	37.0	3.5	.17	.010	.02	2.4
	37	39	2	.22	.010	.03	1.7
	39	41	2	.27	.012	.03	1.0
	41	43	2	.23	.012	.02	1.4
	43	45	2	.18	.014	.03	.7
	45	47	2	.27	.017	.12	2.1
	47	49	2	.31	.012	.17	2.4
	49	51	2	.44	.011	.05	2.1
	51	53	2	.26	.019	.10	1.4
	53	55	2	.25	.015	.10	1.7
	55	57	2	.29	.013	.07	2.1
	57	59	2	.19	.015	.10	1.7
	59	61	2	.35	.015	.07	2.1

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 78-5
Sheet 2 of
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholog'y	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo	Min. Mt
37.3	44.1	6.8		Block [illegible], cut by numerous [illegible] carb. [illegible] & slicks. Fault zone. Carrys dissem. [illegible] cp, epag. [illegible] veinlets, 1-5 mm thick, carrying cp [illegible]. Traces [illegible]	2a gouge	10	2	1	1	3	2	2	2	2	1	1
44.1	51.9	9.8		Box 7 Broken, highly fractured, by chlor. & carb. fracs & slicks to 45.1 m. 45.1 – 51.9 m mottled grey-green to dk. green, siliceous & chloritic rock carrying [illegible] dissem. cp, epag., [illegible] veinlets 1-5 mm thick, carrying cp & Mo, 40 – 10° c.a.	2a gouge	4	2	1	1	3	2	2	2	2	1	1
51.9	59.1	7.2		Box 8 Mottled, grey-green – dk green to pale green, siliceous-sericitic- chloritic rock carrying coarse py cubes (<1%), epag., [illegible] dissem. cp & py. Cut by [illegible] chlor-carb. fracs [illegible] Qz-carb. ± ep ± cp fracs, & Qz veinlets, [illegible] 30 mm thick, 0 – 60° c.a., & py cubes, epag., [illegible] Mo. [illegible] 25 m [illegible], also [illegible]	2a	8	2	1	1	3	2	2	2	2	1	1
59.1	67.4	8.3		Box 9 Mottled grey-green to dk green, siliceous & chloritic rock [illegible] locally, carrys py cubes [illegible], [illegible] epag. [illegible] fracs, [illegible]. Cut by [illegible] ± py fracs, thin [illegible], carb.-sericite fracs & Qz veinlets, 1-10 mm thick 90-60° c.a., stockwork, carry dissem. cp [illegible] py ± [illegible] patch.	2a	11	2	2	1	3	2	2	2	3	1	2
67.4	74.4	7		Box 10 Mottled, grey-green, dk green, siliceous-chloritic rock & chlorite + [illegible] fracs, carrys dissem. epag. [illegible] py, cp, Mo on [illegible] fracs. Cut by [illegible] carb.-chlor. fracs, Qz veinlets, 1-5 mm thick, 10 – 60° c.a. Carrys cp [illegible]	2a	8	1	1	1	3	2	2	2	2	1	2

Samples No.	From	To	m	Cu	MoS_2	Au	Ag
	61	63	2	.24	.011	.12	2.1
	63	65	2	.34	.015	.14	1.7
	65	67	2	.42	.015	.26	2.1
	67	69	2	.29	.010	.10	2.4
	69	71	2	.35	.015	.14	1.7
	71	73	2	.34	.021	.05	2.4
	73	75	2	.48	.014	.17	2.7
	75	77	2	.35	.015	.15	2.4
	77	79	2	.40	.012	.12	1.0
	79	81	2	.29	.014	.07	2.1
	81	83	2	.46	.028	.07	3.1
	83	85	2	.19	.023	.03	1.4
	85	87	2	.33	.016	.03	1.7
	87	89	2	.29	.015	.05	2.1
	89	91	2	.26	.015	.02	2.4
	91	93	2	.40	.017	.03	2.4
	93	95	2	.43	.007	.02	3.1
	95	97	2	.36	.013	.03	2.1
	97	99	2	.21	.013	.03	2.4
	99	99.6	0.6	.02	.001	.03	1.7
	99.6	101	1.4	.77	.09	.05	4.1
	101	103	2	.39	.09	.05	2.1
	103	105	2	.34	.017	.03	2.1

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 78-3
Sheet 3 of
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bn			Mt
74.4	81.8	7.4		Box 11 Mottled grey-green to dk green, f.g., siliceous & chloritic rock carrying ep smears on chlor fracs, dissem ep aggs, py cubes. Cut by carb fracs, ep shears, chlor fracs & slicks, Qz vlts, 1–5mm thick, 10–60° to c.a., carrying dissem ep ± py. Gouge 81.5–81.7 m.	2a	6	1	1	1	3	2	2	2	3	1			1
81.8	88.9	7.1		Box 12 Mottled olive green, pale green, grey-green, siliceous-chloritic & sericitic rock, carrying dissem ep aggs, v.f.g. py, cp. Cut ep shears, 1–5mm thick & chlor fracs. Gouge 85.2 m, carb-chlor & also cut by Qz vlts, 1–30mm thick, 10–60° to c.a., with dissem ep ± cp ± py. Pale green sericitic rock @ 84–84.6 m, prob. qz-ser. rock.	2a gouge	8	2	1	1	3	2	2	2	2	1			2
88.9	96.2	7.3		Box 13 Mottled grey-green siliceous-chloritic rock, carrying ep aggs, local ep fracs, f.g. py & cp. Carbonate-sericite fault gouge 90–91 m, with py & cp. Also cut by smooth chlor fracs, Qz vlts, 1–10mm thick, 60 & 45° to c.a., carrying ep & py dissem.	2a gouge	6	1	1	1	3	2	1	2	2	1			1
96.2	103.2	7		Box 14 99.0–99.7 m dk green, f.g., chlorite-epidote rich mafic dyke, carrying dissem py cubes. Cut by carb & ep fracs 60° to c.a. 96.2 to 99.0, 99.7 to 103.2 m mottled grey-green & dk green f.g., siliceous chloritic rock, carrying ep aggs, ep spots & shears, ep patches up to 3mm @ 102 m. Cut by chlor fracs & py cubes, carb fracs 40° to c.a. & Qz vlts, 10–60° to c.a., 2–5mm thick with ep aggs, ± py.	6 2a	6	1	1	1	3	2	1	2	2	1			1

GRAPHIC

SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
	105	107	2	.41	.09	.07	2.1
	107	109	2	.41	.08	.07	2.4
	109	111	2	.28	.012	.03	1.7
	111	113	2	.33	.010	.03	2.7
	113	115	2	.55	.011	.03	4.4
	115	115.9	0.9	.12	.023	.02	1.7
	115.9	117.0	1.1	.45	.008	.05	3.4
	117	119	2	.35	.011	.07	1.7
	119	121	2	.37	.010	.05	2.4
	121	123	2	.36	.011	.03	2.7
	123	125	2	.33	.012	.02	2.1
	125	127	2	.29	.012	.07	2.7
	127	129	2	.48	.012	.09	2.7
	129	131	2	.35	.006	.07	2.4
	131	133	2	.39	.013	.07	3.1
	133	135	2	.59	.014	.03	3.1
	135	137	2	.54	.012	.03	4.1
	137	139	2	.3[illegible]	.029	.03	3.4
	139	141	2	.35	.008	.05	1.4
	141	143	2	.24	.06	.07	.7
	143	145	2	.29	.09	.07	2.1
	145	147	2	.32	.014	.09	2.4
	147	149	2	.41	.017	.12	2.7

DRILL HOLE RECORD			
Gambier Project	Collar — Inclination / Bearing	PROPERTY GAMBIER ISLAND	HOLE No. 78 - 3
		Location	Sheet 4 of
		Elevation	Logged by
		Coordinates N / E	Sampled by
		Length; Hor. Comp. / Vert Comp.; Bearing; Begun / Completed; Core size / Recovery %	

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Mt	GRAPHIC
103.2	110.5	7.2		Box 15 Mottled to uniform dk green, grey-green, fn. gr. siliceous-chloritic rock, carrys ep. spots, cp+py, v.fn. gr. ep ± py locally, also carry bio stringers on fracs. Cut by carb. fracs ~60° t.c.a, ep slickens, ± Qtz+ttk, 1–10mm thick most 60° t.c.a, carrys cp+py ± py cubes, ± ep. Mafic dyke [illegible]	2a	9	1	1	1	3	2	2	2	2	1			1	
110.5	118	7.5		Box 16 mottled green, dk green, grey, siliceous-chloritic rock locally sericitic, carrys cp+py, py cubes, cut by chlor. fracs ± py ± cp cubes, ep stringers, chlor.-carb. fracs 60–45° t.c.a, Qtz+ttk, 2–30mm thick, ~60° t.c.a, carrys cp+py, py, ± ep. 115–115.9m dk green, fn. gr. ep rich-chloritic mafic dyke, as above.	2a	8	1	1	1	3	2	1	2	2	1			1	
118	125	7		Box 17 Mottled, grey-green to dk green, fn. gr., siliceous-chloritic rock, carrys 2nd bio locally, dissem cp+py, cp fracs, coarse py cubes locally, & fn. gr. py [illegible] cut by carbonate slicks ~45° t.c.a & chlor fracs c slicks, & stockwork c dissem py, cp+py, tr. Mo. Dissem Mo c. 124.8m.	2a	11	1	2	1	3	2	2	2	2	1			1	
125	132.5	7.5		Box 18 127–129 core missing. 124.8–125.7m Highly altered rock consisting of carb.-chlorite-epidote-Qz-sericite ± cp+py. 125.7–127 mottled siliceous-chloritic rock c fn. gr. dissem py & cp+py. 129–132m grey, speckled green med. gr. Qtz dio/chloritic granite c cp+py, ± fn. gr. py cubes. Cut by epidote, Qtz+ttk 45–60° t.c.a, carrying cp+py, py cubes, ± ep ± chl [illegible]	2a	7	1	1	1	3	2	1	2	2	1			1	

SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
	149	151	2	.27	.019	.05	1.7
	151	153	2	.42	.016	.02	3.8
	153	153½	0.5	.41	.017	.02	3.4

DRILL HOLE RECORD

Collar	Inclination	Bearing

PROPERTY
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 76-3
Sheet 5 of
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	DESCRIPTION	Litholo'y	Veins per Foot	Alt. S	Alt. B	Alt. C	Alt. K	Alt. Q	Min. Mo	Min. Py	Min. Cu	Min. M	F	Graphic	Samples No.	From	To	Ft.	Assays
132.4	139.8	7.4		Box 19 132.4–134 m white to lt grey, siliceous interval c̄ dissem [illegible], ep [illegible] chlor-clots, ± sericite. 134–134.4 as above c̄ ep aplite c̄ [illegible]. 134–137.3 m, mottled siliceous-chloritic rock c̄ ep veinlets, ep aggs, local py cubes to 1 mm. 137.3–137.6 as in 132.4–134 m. 137.6–139.6 mottled siliceous-chloritic rock c̄ py cubes ep aggs cut by ep. stringers & qz stockwork c̄ ep aggs. py.	2a	8	1	1	3	1		2	2	3	1							
139.8	146.9	7.1		Box 20 Mottled, fn. gr. greyish brown to grey, silicified chloritic rock, carrying dissem py cubes to 1 mm, ep aggs, [illegible] locally cut by irregular qz stockwork vlts 1–30 mm thick, 90–0° to C.A. carrying ep aggs ± py cubes. 141.5–141.6 m dk green, fn. gr. mafic dyke. Possible 2nd Bio	2a	11	1	1	2	1	3	1	2	2	2							
146.9	152.3	5.4		Box 21 Mottled dk green to dk grey mottled, siliceous-chloritic rock c̄ 2nd Bio locally, carrys. dissem py cubes to 1 mm, py [illegible] ep aggs & v. fn. gr. dissem [illegible], py ? ep? Cut by qz stockwork c̄ dissem fn-gr py, ep aggs. Also cut by [illegible] chlor stringers, c 150–[illegible] mm, c̄ med gr. 1–2 mm py & ep aggs cut irreg. ep stringers.	2a	11	1	1	2	1	3	1	2	2	2							
152.2	153.8	1.6		Box 22 As above, mottled siliceous-chloritic rock carrying fn. gr. dissem py cubes, ep aggs & cut by qz stockwork, 2–30 mm qz vlts, 60–45° to C.A., carrying ep aggs, py & [illegible] flakes [illegible] dissem [illegible] locally in dk green chloritic [illegible].	2a	10	1	1	2	1	3	2	2	2	2							
				END OF HOLE (153.8 m)																		

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing
	—90°	—

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length 163 metres
Hor. Comp. /Vert. Comp.
Bearing
Begun 12-1-79 /Completed 18-1-79
Core size BQ /Recovery %

HOLE No. 79-1
Sheet 1 of
Logged by C. Pete
Sampled by A.C. Roberts

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			MI	GRAPHIC
0	5.4			OVERBURDEN															
5.4	12.1	6.7		Box 1 Mottled to spotted siliceous Bx consisting of dk green f.g. chloritic frags set in grey-green, compact siliceous matrix. Carrying dissem f.g. cp aggs & grains. Cut by Qz vlts 2-5mm thick, ~45° c.a. [illegible] dissem cp. Rusty limonitic fracs to 8.45m, v. light oxidation to 11.5m [illegible]	2a		1	1	1	3	2	1	1	2				1	
12.1	19.3	7.2		Box 2 Mottled grey-green to dk green, siliceous-chloritic Bx, carrying v.f.g. dissem cp. Cut by [illegible] chlor. fracs, 60° c.a., & Qz vlts, 1-5mm thick 30-60° c.a., c dissem cp aggs ± Mo flakes.	2a	6	1	1	1	3	1	2	1	2				1	
19.3	26.6	6.3		Box 3 Mottled, grey-green to dk green siliceous-chloritic matrix c chloritic frags to 1cm. Carrying [illegible] aggs of cp ± v.f.g. dissem py, occ. cp on fracs. Cut by Qz vlts, 1-5mm thick, 30-60° c.a., c dissem cp ± py. Occ. cp on chlor. fracs. Local dissem py cubes	2a	6	1	1	1	3	1	1	2	5				1	
26.6	33.8	7.2		Box 4 Mottled, grey-green to dk green siliceous-chloritic Bx, carrying dissem f.g. cp, py & Mo. & cp aggs. Cut by Qz vlt stockwork, 1-10mm thick, 30-60° c.a., c Mo, cp & py. 25-30 cm black [illegible] mineralization [illegible] in chlor. frags	2a	13	1	1	1	3	1	2	2	3				2	
33.8	41.2	7.4		Box 5 Mottled, grey-green to dk green siliceous-chlor. Bx c dissem cp aggs & grains, minor py cubes, [illegible] of Mo. Cut by Qz vlts, 1-20mm thick, 60-20° c.a., c cp aggs ± py specks. Some thin cp fracs. [illegible] Some [illegible] c retrograde bio in frags	2a	8	1	2	1	3	1	2	2	3				2	

SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
	5.4	6	0.6	0.17	0.006		0.3
	6	8	2	.21	.007		.3
	8	10	2	.17	.015		.3
	10	12	2	.18	.020		.7
	12	14	2	.27	.042		.7
	14	16	2	.23	.023		1.0
	16	18	2	.25	.020		1.0
	18	20	2	.18	.010		.3
	20	22	2	.15	.011		1.0
	22	24	2	.19	.016		1.0
	24	26	2	.32	.015		1.0
	26	28	2	.30	.02		1.4
	28	30	2	.48	.016		2.4
	30	32	2	.39	.010		2.4
	32	34	2	.49	.044		2.1
	34	36	2	.36	.009		1.0
	36	38	2	.40	.010		1.4
	38	40	2	.43	.040		1.7
	40	42	2	.30	.014		1.4
	42	44	2	.31	.022		1.7
	44	46	2	.33	.017		.7
	46	48	2	.32	.011		1.4
	48	50	2	.35	.017		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 79-1
Sheet 2 of
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Mt	Graphic
41.2	48.5	7.3		Box 6 Mottled, grey-green to dk green, siliceous & chloritic Bx, locally spotted, carrying sparse dissem cp, cp aggs & locally minor dissem py cubes. Cut by Qz vlts, 1-10mm, 45-60° to C.A. with cp, tetrahedrite, ± py ± Mo. Cut by rough chlor-carb fracs & slickensides at 47.7m ~45° to C.A.	Za	8	2	1	1	3	1	2	2	3				1	
48.5	55.8	7.3		Box 7 Mottled, grey-green to dk green fg-cg, siliceous-chlor Bx with dissem cp aggs, Mo flakes, py cubes. Cut by Qz vlts 1-35mm thick, 20-90° to C.A., carrying dissem cp aggs ± Mo flakes. Some Qz vlts brecciated along mineralized micro shears. Cut by carb fracs @55.5m	Za	7	1	1	1	3	1	2	2	3				1	
55.8	63.2	7.4		Box 8 Mottled, grey-green siliceous-chloritic Bx (55.8-60 m) to dk green, uniform siliceous chlor rock (60-63.2 m), carrying dissem cp aggs, cp blebs along fracs, traces of Mo & minor py. Cut by Qz vlts with cp ± Mo ± py. Chlor & carb fracs ~45° to C.A.	Za	11	1	1	1	3	1	2	2	3				1	
63.2	70.4	7.2		Box 9 Mottled, grey-green to dk green, siliceous & chloritic Bx with dissem cp aggs & cp fracs, rare py. Cut by Qz vlts, 1-20mm, 20-70° to C.A., most ~45° to C.A., carrying cp aggs, ± Mo flakes. Some carb fracs ~0° to C.A.	Za	11	1	1	1	3	1	2	2	3				1	
70.4	77.6	7.2		Box 10 Mottled, grey green to dk green, siliceous & chloritic Bx with dissem cp aggs & veins, Mo flakes. Mo occurs on fracs as smears. Local carb fracs. Cut by Qz vlts 1-10 mm thick, 90-0° to C.A. with cp, Mo ± py. Limonite stains locally.	Za	8	1	1	1	3	1	2	2	3				1	

Samples No.	From	To	m	Cu	MoS_2	Au	Ag
	50	52	2	.34	.029		.7
	52	54	2	.32	.03		.7
	54	56	2	.18	.014		.7
	56	58	2	.30	.012		1.0
	58	60	2	.27	.015		.7
	60	62	2	.32	.017		.3
	62	64	2	.30	.012		1.0
	64	66	2	.22	.016		1.0
	66	68	2	.28	.011		.7
	68	70	2	.39	.017		1.0
	70	72	2	.28	.015		1.4
	72	74	2	.20	.013		.7
	74	76	2	.25	.012		2.1
	76	78	2	.25	.026		1.4
	78	80	2	.27	.012		.7
	80	82	2	.22	.029		1.0
	82	84	2	.18	.011		.7
	84	86	2	.29	.011		.7
	86	88	2	.18	.028		1.0
	88	90	2	.16	.011		.3
	90	92	2	.24	.014		1.0
	92	94	2	.30	.015		1.4
	94	96	2	.32	.011		.3

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 79-1
Sheet 3 of
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholy	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			MI	Graphic
77.6	84.8	7.2		Box 11 Mottled, grey-green to dk green, siliceous - chloritic Bx' c chlor frags dissem cp. Cut by Qz ctk, 1-5mm thick 90-? ° a.c.a. c dissem cp & chlor fracs c slicks.	2a	8	1	1	1	3	1	1	1	2				1	
84.8	92.4	7.6		Box 12 Mottled grey-green to dk green, siliceous - chloritic Bx c chlor frags dissem cp, ? Cut by dk chlor fracs c slicks Qz lts, 1-10 mm thick c cp. 86.7 - 87.35m, Qz - feldspar porph. vein c ? frags.	2a	6	1	1	1	3	1	1	1	2				1	
92.4	99.4	7.0		Box 13 Mottled, grey green to dk green, siliceous - chloritic Bx c ? chloritic frags c dissem cp, Mo flakes. Cut by Qz-Ca ctk, 1-10mm thick 45-60° a.c.a., carrying cp aggs + Mo flakes. Grey med. gr. chlor granite c dissem cp @ 98.7 - 99.4 m.	2a	10	1	1	1	3	1	2	2	2				1	
99.4	106.7	7.4		Box 14 Mottled, med gr. chlor. gr. c Qz eyes to 1 cm, ? fine gr. chlorite flakes ± ep aggs, set in siliceous grd. matrix ± Mo flakes. Cut by Qz ctk lts 1 - 20mm thick c ep aggs. 99.4 - 101.2m. 101.2m - 106.7m Epidote-rich porphyritic mafic dyke c fine gr. irreg. mafic flakes to 1.0 cm. Consists of subsubhedral to euhedral plag phenos to 2mm set in a chloritic matrix. From 101.2 - 102 m, also cut by epidote fracs 45-60° a.c.a. C 102 m, euhedral Qz phenos to 2mm set in epidote matrix mafic frags c Qz phenos. Prob. a dacite porphyry. ? ?	5		1	1	1	3	5	1	2	3				1	
106.7	114.6	7.9		Box 15 106.7 - 110.4 Dacite porphy dyke cut by ep fracs Cal' & ? fracs, ? mafic frags ep-matrix @ 106.7 - 108 m.	6		1	1	1	3	4	1	2	1				1	
							(Dacite porphy)												

Samples No.	From	To	m	Cu	MoS_2	Au	Ag
	96	98	2	.40	.012		.3
	98	100	2	.26	.015		.7
	100	102	2	.38	.012		1.4
	110	112	2	.27	.014		1.0
	112	114	2	.35	.010		1.4
	114	116	2	.20	.013		1.0
	116	118	2	.20	.011		.7
	118	120	2	.30	.014		1.0
	120	122	2	.20	.010		.3
	122	124	2	.27	.011		1.4
	124	126	2	.35	.013		1.7
	126	128	2	.45	.010		2.1
	128	130	2	.27	.013		1.7
	130	132	2	.37	.010		2.4
	132	134	2	.68	.010		3.8
	134	136	2	.72	.012		3.4
	136	138	2	.46	.09		2.7
	138	140	2	.54	.011		1.7
	140	142	2	.65	.025		3.4
	142	144	2	.41	.010		2.4
	144	146	2	.53	.027		3.4
	146	148	2	.40	.011		2.1

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 79-1
Sheet 4 of
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bn		Min. Mt	Graphic	Samples No.	Samples From	Samples To	m.	Cu	MoS2	Au	Ag
110.4	114.7			Box 13 110.4–114.7 m Mottled grey, speckled dk green, chlor. 'granodiorite' ĉ dissem Mo, ĉ frags bio-granite frags, chlorite frags ± ep aggs. Cut by ep stkwk & Qz vlts.	5	8	2	2	1	3	2	2	2	2			1			148	150	2	.45	<.10		2.4
114.7	121.2	6.5		Box 14 Mottled grey-green to dk green, fine-gr. siliceous-chloritic 'granodiorite' ĉ chloritic frags ± ep aggs, diss. Mo flakes. Cut by Qz vlts 60–40° ∠ c.a., 2–5 mm thick, ĉ ep ± py. Also cut by 10 cm siliceous–Qz porph vns.	5	10	2	1	1	3	2	2	2	2			1									
121.2	128.6	7.4		Box 15 Mottled grey-green to dk green siliceous-chloritic Bx, cut by mottled chlor-Qz porphy. c. 124–125.2 m, carry dissem cp, ep aggs. Cut by carb fracs @ 124.2–124.7. Qz vlts 2–20 mm thick, 10–60° ∠ c.a. carry ep aggs, ± Mo flakes.	5	6	1	1	1	3	1	2	1	2			1									
128.6	135.8	7.2		Box 16 128.6–131 m Mottled grey-green to dk green, siliceous-chloritic rock ĉ irreg. chlor frags, carrying dissem cp aggs & Mo flakes. 131–135.8 m Mottled, grey, fine to med gr chlor-ep granite ĉ v. fine cp, py & ep aggs to 2 mm. Some chlor frags & ep to 1 cm. Cut by Qz vlts, 2–20 mm thick, 45–60° ∠ c.a. carrying ep aggs & fine gr dissem py & Mo	5	6	2	1	1	3	2	2	2	3			1									
135.8	142.7	6.9		Box 17 Mottled, grey, fine to med gr, massive 'tonalite' ep granite ĉ ep aggs, chlorite-ep-sericite(?) clots to 1 cm. Cut by Qz vlts, 2–20 mm, 0–60° ∠ c.a., carrying ep aggs, ± py ± Mo. Cut by carb fracs	5	4	2	1	1	2	2	2	2	3			1									

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 79-1
Sheet 5 of
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS Per Motte	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo	MI	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
142.7	150.5		7.8	Mottled grey, massive, fine to med. gr. "chlor-epidote granite" consisting of grey, compact, Qz-feldsp & chlorite after ??, ep ± sericite-silicified rock (?) carrying disseminated fine gr. ep, to Nd. Cut by Qz veinlets 2-5mm thick carrying ep & Mo. Also cut by carb-fracs & ep stringers. Qz xtls to 5mm locally. Box 20 149.9 - 150.5 Grey, compact Dacite porphyry ē sbhss plag & Qz phenos to 2mm.	5	2	2	1	1	2	2	2	1	2		2									
[illegible]	157.1	2.0		Box 21 Speckled dk green to bright green, dacite porphyry cg. ?? ē abundant plag & Qz phenos to 3mm set in chloritic to epidote rich matrix cut by numerous Qz-epidote stringers ~70-50° c.A. 1-10mm thick. Carrys fine gr. mafic fracs to 10cm. One inclusion of diorite? carrys ep. An inclusion of mottled chloritic-silic rock carrys Qz xtls ē ep. Weakly magnetic	6		1	1	1	3	4	1	1	1		2									
157.1	164	7.1		Box 22 Mottled or speckled dk green to yellow-green dacite porphyry ē plag & Qz phenos to 2mm & locally subangular inclusions of dk green chlorite. Cut by numerous ep, ep-carb & chl- fracs 45°-90° c.A. Some fracs ē slicks			1	1	1	3	3	1	1	1		2									
164	167	3		Box 23 speckled dk green to bright green dacite porphyry ē abundant 30% Qz phenos to 2mm. Dk fine gr. inclusions epidote rich matrix.			1	1	1	3	5	1	1	1		1									

END OF HOLE

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing
	-90	0

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length 152 meters
Hor. Comp. / Vert. Comp.
Bearing
Begun 19-1-1979 / Completed 23-1-1979
Core size BQ / Recovery %

HOLE No. 79-2
Sheet 1 of
Logged by [illegible]
Sampled by A.F. Roberts

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bn			Mr	GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
0	2.4	2.4		OVERBURDEN																							
2.4	4	1.6		mottled grey to dk green, siliceous-chloritic rock c̄ irreg. chlor. fracs to 1cm. Cut by Qz vlts @ 45° c.a. Rusty fractures	2a		1	1	1	3	2	1	2	2	1			1									
4	6	2		Mottled to spotty, siliceous-chloritic Bx, 2° of fn-gr. felsic fracs set in a [illegible] chloritic matrix, cut by chlor-carb fracs offset by Qz vlts <5mm thick, ep fracs [illegible] thick. Dissem ep.	2a		1	1	1	3	2	1	2	2	1			1									
6	8	2		Mottled, grey to dk green siliceous-chloritic spotted Bx. Cut by rusty chlor-carb fracs, Qz vlts, 2-5mm thick c̄ medial ep aggs, irreg. sharp felsite frags [illegible] dissem fn-gr. ep, & py.	2a		1	1	1	3	2	1	2	2	1			1									
8	10	2		mottled green to dk green siliceous-chloritic spotted Bx. Cut by rusty chlor-carb fracs, Qz vlts to 5mm c̄ dissem [illegible] ep. [illegible] to 2mm, & v fn-gr. dissem cp. 8.7-10m grey, ep-chlor. spotted Granite c̄ dissem cp.			1	1	1	3	2	2	2	2	1			1									
10	12	2		10-11.7m, Mottled grey c̄ green spots, ep-chloritic granite c̄ irreg. [illegible] py, ep. Cut by ep fracs [illegible] thick. 11.7-12m dk green, fn-gr. siliceous-chloritic [illegible] Bx c̄ ep fracs 5mm thick	2a	2	1	1	1	3	2	1	2	2	1			1									
12	14	2		Mottled, grey-green c̄ dk green spots, [illegible] Bx [illegible], c̄ siliceous fn-gr. chloritic matrix containing dk green fn-gr. chlor. frags to 5cm. Cut by Qz vlts, 2-5mm thick @ 45° c.a., [illegible] ep, py. Bx [illegible] dissem fn-gr. cp & py	2a	3	1	1	1	3	2	1	2	2	1			7									

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 79-2
Sheet 3 of
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bn			Min. Mt	Graphic	Samples No.	Samples From	Samples To	Samples m	Assays Cu	Assays MoS2	Assays Au	Assays Ag
				c̄ Mo's, ep armours, also cut by narrow shears, ep fracs & Qz-ed cavity fillings c̄ ep grains. Qz vlts, 1-5mm thick, ~45-60° c.a., carry Mo flakes, ep aggs, tr ep-chlor ± mt-ep selvages. Host carrys ep patches along with chl frags (as disc fn gr aggs), or thin frac fills																							
46.7	53.4	6.7		Box 7 Mottled to spotty, fractured & altered intrusive Bx. Cut by numerous irreg. calcite fracs, smooth chlor-carb fracs, Qz slicks, Qz vlts 1-5mm thick, c̄ dissem ep aggs & py ± mt sericite-carb shears ± py ~65° c.a. & carb-hematite fracs locally. Retrograde(?) Bio + mt in some frags.	2a		2	2	1	3	2	1	2	2	1			2									
53.4	60.7	7.1		Box 8 Spotted intrusive Bx c̄ ovoid fn gr chloritic frags set in a grey fn gr siliceous matrix. Cut by Qz vlts & chalcy vlts, some vlts c̄ Qz-ep-carb banding to centre of vn. Also cut by ep-Qz shears ± ep aggs & smooth chlor-carb fracs. Host Bx carry ep aggs in frags, ep rims & fracs, minor py. Local mt + Bio seams in frags & dissem Mo.	2a		1	2	1	3	3	2	2	2	1			2									
60.7	67.8	7.1		Box 9 Spotted Bx c̄ dk fn gr chloritic chlor-Bio-Mt frags to 25mm. Cut by smooth chlor-carb fracs, ep shears ± ep aggs, Qz vlts, 1-5mm ± ep aggs, py & mt, Mo flakes. Hydrothermally brecciated section 66-66.5m c̄ carb-ep-py. Bx carries coarse py cubes locally, ep aggs & mt.	2a		1	2	1	3	2	2	2	2	1			2									
67.8	74.9	7.1		Box 10 Mottled intrusive Bx grading into Qz porphyry @ about 73.5m. Mottled Bx consists of ovoid to sharp chloritic frags set in fn gr, siliceous matrix. Carrys dissem ep, ep spots, Mo specks	2a 5		1	2	1	3	2	2	2	2	1			2									

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND	Length		HOLE No. 79-2
Location	Hor. Comp.	/Vert. Comp.	Sheet 4 of
Elevation	Bearing		Logged by
Coordinates N	Begun	/Completed	Sampled by
E	Core size	/Recovery %	

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bn		Mt	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS₂	Au	Ag
				Qz porphyry consists of Qz phenocrysts in mottled chloritic-siliceous matrix carrying epaggs py & Mo. Both rock types cut by Qz vlts, 1-5mm thick, c dissem cp, py also cut by rare cp frac. & coarse carb. brec fill.																						
74.9	82.2	7.3		Box 11 Mottled, siliceous-chlor. rock 75.6 - 82.8m c sericitic-siliceous zone from 78.1-79.7 m. 78.7-82.8 spotted Bx c chloritic frags set in siliceous matrix, cut by Qz vlts, 2-5mm thick, c dissem py & Mo. Host carrys dissem cp aggs to 2mm, Mo flakes, cp+py aggs in chlor. frags.	2a		2	1	1	3	2	2	2	3			1									
80.2	89.4	7.2		Box 12 Mottled to spotted intrusive Bx c very chloritic frags set in siliceous matrix. Cp+py vlts in frags, matrix [illegible] py. 82.4 - 88.5m Dk green to grey-green siliceous-chloritic mottled rock c dissem cp, cp aggs. 88.5-89.4m shows epidote-chlorite alteration. Rock cut by Qz-py shears & Qz vlts, 2-5mm thick, c cp aggs & dissem py. Host carrys cp aggs in chlor. frags & dissem Mo.	2a		1	1	1	3	3	2	2	3			1									
89.4	96.7	7.3		89.4-90.2m mottled epidote-chlorite intrusive Bx. 90.2-96.7 Dk green, mottled grey-green intrusive Bx consisting of chlorite-rich frags set in a siliceous chloritic matrix. Carrys splashes of cp, dissem py & dissem Mo; cp cut by Qz vlts, 2-5mm thick carrying cp, Mo & py. Qz vlts cut & offset by epidote-calc shears. Box 13	2a		1	1	1	3	2	2	2	3			3									
96.7	104.1	7.4		Box 14 Mottled, dk green to grey-green, fn gr intrusive Bx, locally migmatitic, c siliceous-chloritic matrix cut by [illegible]	2a		2	1	1	3	2	2	2	2			2									

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp /Vert Comp
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 79-2
Sheet 5 of
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	S	B	K	C	E	Mo	Py	Cp	Bn			Mt	GRAPHIC	SAMPLES No.	From	To	m	Cu	MoS2	Au	Ag
				ep-carb tep slices smooth chlor-carb fracs, qz blts, 1-3mm thick occurrently dissem Mo & ep. Host Bx thinly dissem Mt, specgs Mo, within chl fracs. 103.9-104.7 m, sericitic & chloritic bx.																							
104.1	110.9	6.8		Box 15 Mottled, fn-gr, dk green siliceous chloritic breccia c chlorite-mt. frags set in grey-green chloritic-siliceous matrix. Cut by 1-5mm ep-qz tep slices, chlor-carb fracs, & qz blts, 1-10mm thick c Mo, cp. & py. Host carries dissem py cubes, Mo flakes & sp specgs 103.5m-110.8m, sheared carbonate rich zone.	2a		1	1	1	3	2	2	2	3				2									
110.9	118.8	7.9		Box 16 Blocky, highly fractured & secondary chloritized, epidote & chlorite. Mottled, dk green siliceous-chloritic Bx. Cut by ep-qz slices, qz blts c cp, py & Mo, & irreg. chlor-carb fracs. Host carries py cubes, dissem py. Fault zone(?)	2a		1	1	1	3	3	2	2	2				1									
118.8	125.4	6.6		Box 17 118.8-121.4 m Dk green, mottled, intrusive Bx c carb-epidote alteration, dissem py & specgs. 121.4-125.4 m, mottled grey-green to dk green, spotted Bx & chloritic frags set in siliceous matrix, c ep qz blts. dissem Mo flakes, specgs. Cut by qz blts, 2-5mm thick c cp, Mo. & ep slices.	2a		1	1	1	3	3	2	2	2				1									
125.4	132.2	7.2		Box 18 125.4-127.6 m. Mottled grey-green intrusive Bx c occasional cp. 127.6-132.2 m mottled, dk green intrusive Bx c dense compact siliceous matrix carrying v fn-gr. dissem cp. Cut by qz blts c cp & py cubes, smooth chlor fracs, & carb fracs.	2a		1	1	1	3	2	1	2	2				1									

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 79-2
Sheet 6 of
Logged by
Sampled by

Footage From	Footage To	Recov'y Rec	Recov'y Core	Description	Litholy	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Ml	Graphic	Samples No.	Samples From	Samples To	m	Assays Cu	Assays MoS2	Assays Au	Assays Ag
132.2	139.2	7.0		Box 19 mottled, dk green to grey-green, fn gr. compact intrusive Bx with chloritic frags to 10 cm set in a grey siliceous matrix carrying cp aggs & splashes, fn gr. dissem py & cp blebs. Cut by QZ vlts, 1-2 mm thick, with dissem cp & Mo. Cp fracs <1 mm thick locally. Cut by calc fracs @ 138.5 & 139.2 m. Fn gr. dacite @ 135.3 m.	2a		2	1	1	3	1	2	2	2				1									
139.2	146.3	7.1		Box 20 mottled grey-green to dk green, fn gr. chloritic intrusive Bx with chloritic frags set in compact siliceous matrix. Bx carrys dissem Mo flakes, and gr. py blebs, cp aggs, seams & fracs. Local development of second. biot & act aggs in fracs. Cut by QZ vlts 1-5 mm thick with cp & py. Also cut by carb fracs.	2a		1	2	1	3	2	2	2	2				2									
146.3	152	5.7		Box 21 Mottled grey-green to dk green intrusive Bx with chloritic frags ± act, some with dissem Mo, cp & py blebs set in a compact siliceous matrix. Cut by QZ-ep shears ± cp aggs, QZ vlts, 1-10 mm thick carrying cp + py. Host Bx carrys dissem cp aggs & py blebs. Local development of secondary biotite + act.	2a		1	2	1	3	2	2	2	2				2									

END OF HOLE.

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 79 - 2
Sheet 2 of
Logged by [illegible]
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	S	B	K	C	E	Mo	Py	Cp	Bo			Mt	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
14	17.7	3.7		Mottled, siliceous-chloritic spotted Bx c dissem cp aggs, cp fracs [illegible], dissem [illegible]. Qz-cp shears ~45° n C.A., Qz vlts, 1-5mm, ~45° n C.A., c dry qs. Host carrys dissem Mo flakes.			1	1	1	3	2	2	2	2	1			1									
17.7	24.9	7.2		Box 3. Mottled siliceous-chloritic spotted Breccia consisting of f.gr. chloritic frags ± py & cp, set in a f.gr. dark green siliceous matrix (hornfels?). Cut by smooth chlor-carb fracs ~60° n C.A. Qz vlts 2-4mm c dissem or nodular cp aggs ± py, cp-shears & carb fracs. Host carrys diss py cubes, cp aggs & f.gr. dissem Mo & cp [illegible] locally.			1	1	1	3	2	2	2	2	1			2									
24.9	32.0	7.1		Box 4. Mottled siliceous-chloritic spotted Bx c chlor. frags to 1cm. Cut by smooth chlor-carb fracs, irreg. Qz-cp shears & Qz vlts, 2-5mm thick, c dissem or nodular cp, Mo, mt, cp, chlor. Host Bx carrys dissem f.gr. cp, mt, py. Locally development of cp [illegible] or veins [illegible] and chlor. frags. Brecciated biotite(?)			1	1	1	3	2	2	2	2	1			2									
32.0	39.4	7.4		Box 5. Spotted Breccia consisting of dk green chloritic frags to 2cm (roughly ovoid), set in a grey siliceous f.gr. matrix. Cut by smooth chlor fracs, Qz-cp shears ± cp aggs, 1-5mm thick, & Qz vlts, 1-3mm thick c dissem cp, Mo, & cp or py fracs, 5mm thick. Host carrys dissem cp aggs & speck, py cubes, & v. f.gr. Mt,			1	1	1	3	2	2	2	2	1			2									
39.4	46.7	7.3		Box 6, 44-46m taken for check assay, 0.25% Cu, .012% MoS2, 0.04 Ag. Mottled to spotty intrusion Bx c f.gr. ovoid chloritic frags set in a grey siliceous matrix. Cut by smooth chlor-carb fracs c thick			1	2	1	3	2	2	2	2	1			2									

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing
	-90	-

PROPERTY GAMBIER ISLAND
Location
Elevation 120m
Coordinates 840 W N
2405 E

Length 305 m
Hor. Comp. / Vert. Comp.
Bearing
Begun 6-7-79 / Completed 6-7-79
Core size BQ / Recovery 99.5%

HOLE No. 3
Sheet 1 of 19
Logged by P. E. Fox
Sampled by P. Peto

FOOTAGE From	To	RECOV'Y Run	% Core	DESCRIPTION	LITHOL'Y	VEINS per foot	S	B	K	C	E	Mo	Py	Cp	Bo			#	GRAPHIC	SAMPLES No.	From	To	m	Cu	MoS2	Au	Ag
0	1.2			Overburden																							
1.2	3.0	2.2	100	Dark, greyish green mottled andesite. 40% rounded to irregular chlorite aggregates up to 2cm. Qtz vlts generally 45° to C.A.; 1-5mm thick. Dissem py (3%) throughout; fine, <1mm aggs of cpy in qtz vlts & on faults.	Mottled AND 2a	6.0	1	1	1	4	3	1	4	2	1			1		2102	1.2	3.0	2.2	.40	.022		1.4
3.0	6.0	3	100	Mottled green-grey andesite locally with distinct lithic frags up to 5cm; large chlorite aggs common. Hem-stained faults. Qtz vlts to 1cm, general "flooding" over 10cm @ 4.5m. Dissem py throughout, generally ragged xls & 4mm aggs. 1.5% dissem cp, <1mm aggs - notable in zone of qtz "flooding" @ 4.5m. Qtz vlts generally barren; local py & cpy. Est. grade .2% Cu		3.6	1	1	1	4	2	1	4	2	1			1		2103	3.0	6.0	3.0	.53	.013		2.1
6.0	9.0	3.0	100	Mottled greyish green andesite. 30% chlorite aggs, up with 20°CA, local dissem cp grains. Qtz vlts 30° to 70° to C.A.; up to 1.5cm. 4% dissem py throughout, 2% cp usually concentrated in mafic (chlorite) aggs. Qtz vlts contain very fine py & cp. Est. .3% Cu. Dissem magnetite (mag) common.	2a	2.0	1	1	1	4	3	1	4	3	1			3		2104	6.0	9.0	3.0	.46	.019		1.0
9.0	12.0	3	100	Greenish mottled andesite c̄ occ large lithic frags up to 5cm. 40% chlorite forming large rounded aggs up to 2cm. 3% dissem py, 2% cp, 1% mag. Cp common as dissem grains. Qtz vlts 60°-90° to CA, contain finely dissem cpy. Est. .25% Cu	2a	5.3	1	1	1	4	2	1	4	3	1			2		2105	9.0	12.0	3	.42	.025	.03	1.4
12.0	15.0	3		Mottled andesite; 30% chlorite aggs common throughout, 2% cp. 4% dissem py, 1% cp. Qtz vlts 30°-60° to CA, up to 2cm, usually contain 1-2% finely dissem py & cp. Cp usually in chlorite aggs. Magnetite vlts, dissem grains. Est. Cu		4.0	1	1	1	4	3	1	4	3	1			3		2106	12	15	3	.28	.03		1.4

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 3
Sheet 2 of 17
Logged by P. Fox
Sampled by P. Pet[illegible]

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Lithol'y	Veins per foot	Alteration S	B	K	C	E	Mineralization Mo	Py	Cp	Bu	%	Graphic
15	18	3	100	Mottled greyish green andesite. Irregular chlorite-epidote aggs. up to 3cm. Dissem. grains epidote. Qtz vlts 20°-70° ACA, contains finely dissem. cp agg. 3% py, 1% cp. Dissem. mag common. Est. grade ~.5% Cu	mottled And 2a	6.0	1	1	1	3	3	1	4	3	1	3	
18	21	3	93	Core loss @ 21m. Mottled grey-green andesite ~ 40% chlorite + epidote aggs, rounded to irregular, generally 2cm. Qtz vlts common, 1cm. thick, 45°-80° ACA, most @ 45°, contain finely dissem. py & cp. 2-3% py throughout, 1% cp usually in chlorite clusters. Mag common, vlts & aggs. Est .3% Cu	2a	9.0	1	1	1	3	2	1	4	3	1	4	
21	24	3	57	Core loss @ 21m. Mottled, chlorite andesite c̄ 40% chlorite + epidote aggregates to 2cm. Dissem. py & cp throughout c̄ sulphides ~5%. Qtz vlts ~ 45° ACA, up to 1cm - generally barren. Mag common: dissem. aggs & vlts. Est .25 Cu.	2a	3.0	1	1	1	3	3	1	4	3	1	3	
24	27	3	100	Mottled grey-green andesite, locally cataclastic zones (?) 24.5 to 25.5; Broken and brecciated qtz vlts. 30% chlorite, 5% epidote, 5% pyrite; dissem. vlts, aggs. Qtz vlts to 1.5cm, generally 45° ACA. Rounded fsp porphyry frags (?) to 3cm. 4% py + cp, both usually in chloritic aggs. Est .4% Cu. Sharp contact between dk grey fsp porph @ 26m, 90° ACA	2a	5.0	1	1	1	3	4	1	4	3	1	3	
27	30	3	100	Mottled grey andesite cut by numerous grey qtz vlts, irregular aggs of chlorite between vlts. Vlts range from distinct veins to irregular silicified zones, flakes [illegible] in vlts, dissem. [illegible] Sulphide content ~ 4%. Est. .35 Cu, .015 MoS2	2a	7.0	1	1	1	3	2	2	4	3	1	2	

Samples No.	From	To	m	Assays Cu	MoS2	Au	Ag
21607	15	18	3	.41	.012		1.0
21608	18	21	3	.50	.015		1.0
21609	21	24	3	.43	.030	.01	1.4
21610	24	27	3	.33	.017		0.3
21611	27	30	3	.41	.028		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 3
Sheet 3 of 19
Logged by P. Peto
Sampled by P. Peto

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Mt	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
30	33	3	100	Mottled to uniform grey, med-grained andesite, probably basaltic, with fine gr. chlorite & grey feldspar, dissem. py cubes. Cut by Qz vlts 1-5mm thick, 20-50° ∧ C.A., & chlorite-carbonate fracture fills ~1mm thick. Py-cp in Qz vlts, silicified matrix with minor qz, py, trace cp, epidote?	2a	11	1	1	1	3	2	1	3	2	1			3		7/612	30	33	3	.30	.018		1.0
33	36	3	100	Mottled, fine gr., dk grey diorite andesite, locally chloritic occurring in matrix & in clots, silicified & dissem. py-cp. Cut by Qz vlts & stringers, 5 to 2mm thick, 10-50° ∧ C.A., & by chlorite-carbonate frac. fill ~45° to C.A. Chlorite-epidote clots. Weakly magnetic.	2a	10	1	1	1	3	2	1	3	2	1			3			33	36	3	.35	.025	.10	1.0
36	39	3	96	Fine gr., mottled, greenish grey andesite, chloritic, silicified, with epidote grains, dissem py, trace cp, sphalerite(?) dark black to amber. Cut by milky Qz vlts, 2-5mm thick, 50-60° ∧ C.A., 36-40' dissem. sphalerite ?	2a	6	1	1	1	3	2	1	3	2	1			3			36	39	3	.32	.020		1.4
39	42	3	95	Mottled, fine gr., dk greenish grey andesite, locally chloritic & silicified, dissem. pyrite & epidote-chlorite clots. Cut by milky Qz vlts, 10-2mm thick, 40-60° ∧ C.A. Diss py, cp in vlts, chlorite-carbonate frac. fills	2a	7	1	1	1	3	2	2	3	2	1			3			39	42	3	.38	.014		2.1
42	45	3	95	Mottled grey to green fine gr. andesite cut by milky Qz vlts 2-10mm thick 40° to C.A. & chlorite-carbonate fracture fills ~60° ∧ C.A. Dissem. py. Chloritic clots magnetic	2a	6	1	1	1	3	2	1	3	1	1			3			42	45	3	.32	.015		1.4
45	48	3	94	Mottled green-grey fine gr. andesite containing green flecks of chlorite, matrix has a pale green tinge, slightly silicified, contains dissem. pyrite. Cut by Qz vlts 2-10mm, 45° ∧ C.A. & dissem. py, chlorite-carbonate frac. fills 60° ∧ C.A.	2a	4	1	1	1	3	2	1	3	1	1			3		7/811	45	48	3	.27	.017	.10	.3

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar		

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 3
Sheet 4 of 19
Logged by D. Pelto
Sampled by D. Pelto

FOOTAGE From	To	RECOVY Run	Core	DESCRIPTION	LITHOL'Y	VEINS per 100'	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo		Mt	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
48	51	3	100	Dk green & grey, fine gr. andesite, mottled appearance due to dk green chloritic clots. Silicified matrix containing disseminated cubes. Cut by Qz vlts, 2-3cm thick containing fine gr. pyrite, trace cp. Disseminated epidote along fractures	2a	6	1	1	1	3	2	1	3	2	1		3			48	51	3	.33	.034		.7
51	54	3	100	Dk green to grey, mottled andesite, chloritic, contains epidote stringers, cut by Qz vlts 2-3cm thick, 45° ∧ C.A., some contain py, cp, chlorite. Disseminated py	2a	4	1	1	1	3	2	1	3	2	1		3			51	54	3	.32	.034		.3
54	57	3	100	Dk green to grey, mottled andesite, chloritic, pyritic & silicified. Cut by milky Qz-py vlts, 2-5mm thick, 45° ∧ C.A. & chlorite fracture fill. Disseminated pyrite. Variable magnetism. Disseminated epidote grains, chlorite clots	2a	6	1	1	1	3	2	1	3	1	1		3			54	57	3	.35	.019		.7
57	60	3	100	Dk grey, mottled, fine gr. andesite, chloritic, pyritic, usually disseminated but also occurs as stringers, fractures & Qz vlts. Chlorite-epidote-magnetite blotches. Cut by milky Qz vlts 2-5mm thick, 10-50° ∧ C.A., containing py, cp, Mt., chlorite. Also cut by chlorite-carbonate fractures. Silicified.	2a	6	1	1	1	3	2	1	3	2	1		3			57	60	3	.32	.016	.01	1.7
60	63	3	100	Dk green to grey, mottled, fine gr. andesite & chlorite-epidote-mt blotches, pyrite stringers, occasional epidote vlt, milky Qz vlts, 2-5mm thick, 45° ∧ C.A., chlorite-carbonate fractures	2a	4	1	1	1	3	3	1	3	1	1		3			60	63	3	.32	.022		1.0
63	66	3	93	Dk green to grey, mottled, fine gr. andesite, silicified, pyritic with spotty chlorite-epidote-mt blotches, Qz-py-ep veinlets, chlorite fracture, pyrite "stringers" & hematite vlts. Some mod. gr. dk green chlorite flakes associated with pyrite stringers. Chlorite-epidote zone.	2a	5	1	1	1	3	3	1	3	2	1		3			63	66	3	.48	.049		1.4

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 3
Sheet 5 of 19
Logged by T. Peto
Sampled by T. Peto

FOOTAGE From	To	RECOVY Run	Core	DESCRIPTION	LITHOLY	VEINS per 10ft	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bn		Mt	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
66	69	3	100	Dk green to grey, fn gr., mottled andesite & pyrite - chlorite - epidote blotches, chlorite fractures, milky Qz veins, 2-3 mm thick, 90°-45° to C.A. containing py, tr cp, MoS2. As above, matrix is flooded with sugary quartz veins & dissem py.	Za	8	1	1	1	3	2	2	3	2	1			3		2434	66	69	3	.45	.08		1.7
69	72	3	95	Dk green to gr, fn gr, mottled andesite & chlorite - epidote - mt blotches, dissem. pyrites, chlorite fracture fills, milky Qz veins, 2-10 mm thick, 10°-60° to C.A., containing py & traces of cp, MoS2. Occ. epidote stringers	Za	5	1	1	1	3	2	2	3	2	1			3			69	72	3	.30	.016	.17	1.5
72	75	3	95	Dark green to grey, fn gr, mottled andesite, & epidote blotches & stringers, chlorite fractures, dissem. pyrite cubes, silicified matrix, milky Qz veins 2-20 mm thick, 45-70° to C.A., containing diss. py & traces of MoS2. Cp stringer 1-5mm thick, 30° to C.A.	Za	4	1	1	1	3	2	2	3	2	1			3			72	75	3	.32	.012		1.4
																				75	76	3	.45	.016		1.0
75	76	3	98	Dk green to grey, fn gr., mottled andesite, pyritic, silicified, & epidote - chlorite zones, 76 to 76.5m chlorite fracture fills, cut by Qz veins 2-10 mm thick, 45° to C.A., containing py, tr cp, also at the epidote zones	Za	7	1	1	1	3	2	2	3	2	1			3									
78	81	3	100	Dk green to grey, fn gr., spotty andesite, with chlorite - epidote spots, epidote fractures, dissem. pyrites, silicified matrix. Cut by 2-5mm Qz veins, & traces of Mo, sp mostly py. Occasional carbonate fractures	Za	7	1	1	1	3	2	2	3	2	1			3			78	81	3	.54	.022		1.4
81	84	3	100	Dk green to grey, fn gr., mottled & spotty andesite, showing development of epidote - Qz blebs (Qz veins in places 48°, 50°), dissem py, silicified matrix, Qz veins, 2-20 mm thick, 20-90° to C.A., containing py, minor cp, trace Mo, epidote, specular Mt.	Za	7	1	1	1	3	3	2	3	2	1			3		2435	81	84	3	.28	.022	.07	1.7

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 3
Sheet 6 of 19
Logged by T.D.T.
Sampled by T.D.T.

FOOTAGE From	To	RECOVY Run	Core	DESCRIPTION	LITHOL'Y	VEINS No. per FOOT	Size	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo		Mg	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
84	87	3	100	Badly broken interval, highly fractured @ 45° to C.A. between 86'-87'. Dk green to grey, mottled, fn-gr., andesite & chlor. & blotches, epidote-qz clots, white carbonate, & chlorite fracture fills, Qtz stringers & vlts, 2-10mm thick - 10-20° to C.A., containing py, epidote, trace cp. Silicified matrix; pyritic.	Za	6		1	1	1	3	3	1	3	2	1		3		2934	84	87	3	37	.016		2.7
87	90	3	100	Broken interval between 88-87m. Dk green to grey, fn-gr., mottled to strongly andesite with epidote-Qz-chlorite sheets @ 87.2 & 88.1m. Qz vlts, 2-5mm thick, N 45° to C.A., & dissem. py, tr. cp.	Za	5		1	1	1	3	3	1	3	2	1		3			87	90	3	42	.031		2.1
90	93	3	100	Dk green to grey, fn-gr., mottled to spotty andesite, & chlorite-epidote spots, carbonate fracture fills & blotches, epidote stringers, milky Qz veins 5mm to 2cm thick, most 5mm thick, 90-45° to C.A., containing some py, & associated with dk chloritic clots Silicified, pyritic matrix & cp traces		7		1	1	1	3	3	1	3	2	1		3			90	93	3	.43	.018		1.7
93	96	3	100	93-95.3 meters, dk green-grey, fn-gr. mottled to strongly, andesite cut by carbonate fracture fills, milky Qz vlts, 2-15mm thick, 80-10° to C.A. containing Py, cp & py in chlorite clots. Silicic matrix, some epidote stringers. 95.3-96.9 meters, Porphyritic dyke, consisting of saussuritic plag phenocrysts 1-2mm, set in a dense chloritic matrix. Occasional epidote stringer or blob, Nil Qz veins, rare carbonate fracture fill. Tr. dissem pyrite. Py, cp, Galena fracture fills.	Za 6	5		1	1	1	3	3	1	3	2	1		3			93	96	3	.29	.016	.07	1.0
96	99	3	100	Dk green, mottled pale green, purple pitic dyke, tattered feldspar phenocrysts, 1-2mm, set in a chloritic matrix, locally altered to epidote chlorite 99-99.4m, cut by occasional fracture. Dk green, rigid inclusions, 1-7	6	0		1	1	1	3	4	1	2	1	1		2		2935	96	99	3	nil	.001		.3

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 3
Sheet 7 of 19
Logged by P. Peto
Sampled by P. Peto

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholog'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo	Min. %	Graphic	Sample No.	Sample From	Sample To	m	Cu	MoS2	Au	Ag
99	102	3	100	Dk green & pale green, porphyritic [illegible] dyke containing irregular dk inclusions cut by occasional epidote fractures or shears @ 50-60° c.a., consists largely of chlorite, epidote, quartz, rare dissem pyrite, some qtz eyes, weakly magnetic, hairline chlorite-coated fractures.	6	0	1	1	1	3	4	1	2	1	1	2		[illegible]	99	102	3	.01	.001		.3
102	105	3	100	Highly broken interval, recoveries approximate. 102-103.4 weakly epidote-rich porphyritic [illegible] dyke with relict feldspar phenocrysts, hairline chlorite-coated fractures, poorly mineralized. 103.4-105 highly fractured, chloritic andesite, all the chlorite coated fractures ~45° c.a., milky qz vlts containing carbonate & minor epidote. Andesite pyritic & silicified	6 2a	1	1	1	1	3	3	1	2	1	1	2			102	105	3	.23	.016		.7
105	108	3	96	Dark green, mottled, fine gr. andesite c̄ chlorite-epidote-[illegible] blebs, dissem. pyrite, silicified matrix, chlorite fracture fills. Cut by milky qz vlts, 2-5 mm thick, @ ~80° c.a. containing cp, py, epidote grains. Cp. in all chlorite clots & coarse pyrite cubes & as v.fine-gr. dissem. grains in silicified host andesite.	2a	4	1	1	1	3	3	1	3	2	1	3			105	108	3	.43	.021	.07	1.4
108	111	3	100	Dk green to grey, fine gr., mottled to [illegible] andesite cut by milky qz vlts 2-40 mm thick, 30-60° c.a., c̄ dissem py, cp & chlorite-cp-py selvages, chlorite fractures. Vlts, v.f. gr. dissem pyrite, cp in silicified matrix.	2a	8	1	1	1	3	3	1	3	2	1	3			108	111	3	.45	.021		1.7
111	114	3	95	Dk green to grey, fine gr., mottled andesite c̄ chlorite-epidote blebs, epidote fracture fills, epidote-carbonate-qz shear 40° c.a. @ 112.5 m, cut by qtz vlts, 2-15 mm thick, ~45° c.a. containing epidote, py, Mo, cp grains (<1%), dissem py, cp, mo in silicified host. Magnetism variable (2-3).	2a	8	1	1	1	3	3	2	3	2	1	3		2039	111	114	3	.37	.015		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 3
Sheet 6 of 19
Logged by P. [illegible]
Sampled by P. [illegible]

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			%	Graphic	Sample No	Sample From	Sample To	m	Cu	MoS2	Au	Ag
114	117	3	100	Mottled to spotty, dk green to grey, fine gr., andesite, with chlorite-epidote-quartz clots, occ. carbonate fracture fills, milky Qz vlts, 2-15 mm thick 40°-60° to C.A., with [illegible] py-cp [illegible]. [illegible] dissem py, cp, traces mo in silicified host rock.	Za	8	1	1	1	3	3	2	3	2	1			3		[illegible]	114	117	3	.47	.016		.7
117	120	3	100	Mottled grey to dk green, fine gr., andesite, conspicuous clots of chlorite-milky Qz-epidote, with dissem py in siliceous host, cut by occasional carbonate, chlorite fractures & milky Qz vlts, 2-10 mm thick, 40-60° to C.A., & coarse py cubes, [illegible] cp. Cp dissem in silicified host.	Za	6	1	1	1	3	3	1	3	3	1			3			117	120	3	.41	.016	.24	1.4
120	123	3	95	Mottled dk green, fn. gr., andesite, chloritic clots, dissem py cubes, carbonate fractures, Qz vlts carrying py, cp, Mo & chlorite. Dissem fn gr py, cp in siliceous host. [NOTE: error in footage markers between 119.2 & 116.5 blocks misplaced]	Za	3															120	123	3	.46	.016		.7
123	126	3	95	Dk green to grey, fn gr. mottled andesite cut by chlorite fractures, epidote-rich [illegible], milky Qz vlts 2-5 mm, c dissem py (coarse), & fn gr. dissem cp, assoc. c coarser py in siliceous host.	Za	6	1	1	1	3	3	1	3	3	1			3			123	126	3	.45	.023		1.0
126	129	3	100	Dk green to greyish green, fn gr., silicified andesite [illegible], [illegible] chlorite-epidote blotches, thin [illegible] chlorite fracture fills, Qz vlts, 2-10 mm, 60-70° to C.A., carrying some py & cp in fractures. Cp dissem in siliceous host.	Za	4	1	1	1	3	3	1	3	3	1			3			126	129	3	.42	.020		1.4
129	132	3	100	Dk green to greyish green, fn gr., mottled andesite, pyritic, silicified, chlorite-epidote blotches. Qtz vlts offset along fractures, some chl. [illegible] [illegible] dissem cp in matrix & Qz vlts carry some py, cp	Za	7	1	1	1	3	3	1	3	3	1			3		[illegible]	129	132	3	.37	.024	.34	1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 3
Sheet 9 of 19
Logged by [illegible]
Sampled by [illegible]

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholy	Veins per Foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Min. Mt	Graphic	Sample No	Sample From	Sample To	m	Cu	MoS2	Au	Ag
132	135	3	88	Dk green, mottled, fn gr., andesite ē chlorite blotches & mod. gr. pyritic, silicified matrix, chlorite frac. fills, qtz vlts, 5-6 mm thick, 20-30° a.c.a. carrying some py & traces. Cp is largely dissem. in siliceous matrix, with coarse pyrite cubes. Chlorite fractures.	2a	4	1	1	1	3	2	2	3	3	1			3		14646	132	135	3	.42	.032		1.4
135	138	3		Broken interval, dk green, mottled andesite ē chlorite-epidote patches & milky qz. chlorite fracture fills, qz vlts 3-20 mm thick, 60° a.c.a., ē chlorite-cp-py selvages. Dissem. py & cp in siliceous host, tr. [illegible]	2a	4	1	1	1	3	2	1	3	2	1			3			135	138	3	.45	.043		.7
138	141	3	92	Dk green, fn gr., partly mottled andesite, pyritic, silicified, cut by chlorite, carbonate fractures, qz vlts 30° a.c.a., ē py cp. chlorite-epidote seams. Dissem. [illegible] cp in host rock, epidote spots & coarse py [illegible]	2a	3	1	1	1	3	3	1	3	2	1			3			138	141	3	.36	.031		1.4
141	144	3	100	Dk green, fn gr., mottled to streaky andesite. Cut by chlorite fractures, [illegible] carbonate frac. fills, & qz vlts, 2-[illegible] m thick, 60° a.c.a., largely barren. epidote stringers, dissem. py, v. fn gr. dissem. cp & [illegible] traces in silicified host. Weakly magnetic	2a	5	1	1	1	3	3	2	3	2	1			2			141	144	3	.25	.025	.27	.7
144	147	3	100	Dk green, mottled to uniform, fn gr. andesite, chlorite fractures, [illegible] stringers, carbonate fracture fills, qz vlts, 30-60° a.c.a., ē [illegible] [illegible]. Cp aggregates occur in chlorite clots & selvages. Silicified matrix ē coarse py, dissem. v. fn gr. cp.	2a	4	1	1	1	3	3	2	3	2	1			2		14650	144	147	3	.35	.032		.7
147	150	3	100	Dk green, fn gr., spotty to uniform andesite, ē conspicuous chlorite blotches, possibly mafic phenocrysts set in a siliceous pyritic host cut by late epidote & carbonate fracture fills, qz vlts, 2 generations, 2-10 mm thick, largely barren, cp in chlorite selvages & v. fn gr. dissem. cp. in siliceous matrix	2a	5	1	1	1	3	3	2	3	2	1					14651	147	150	3	.28	.019		.3

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 3
Sheet 10 of 19
Logged by C. [illegible]
Sampled by C. [illegible]

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			He	Graphic	Sample No.	Sample From	Sample To	m	Cu	MoS2	Au	Ag
150	153	3	100	Dk green, mottled to uniform, f.g. andesite, silicified, pyritic, cut by chlorite carbonate fracture fill, epidote stringers, milky qz vlts 2-10 mm, 0-90° to c.a., carrying small amounts py, cp & epidote. Dissem. cp in chlorite clots & selvages along vlts.	2a	8	1	1	1	3	3	2	3	2	1			2		13052	150	153	3	.38	.021		1.0
153	156	3	100	Dk green, mottled to uniform, f.g. andesite, pyritic, silicified, cut by late chlorite, epidote, carbonate fractures, qz vlts, 3-40 mm thick, 45-60° to c.a., carrying small amts of py, cp. V.f.g. cp & dissem. in silky green matrix, probably secondary chlorite.	2a	10	1	1	1	4	3	1	3	2	1			2			153	156	3	.26	.021	.17	.3
156	159	3	100	Green, v.f.g., uniform to mottled, andesite, silicified, chloritic, pyritic, [illegible] chlorite clots, milky qtz patches, dissem. epidote, chlorite-carbonate coated fractures, v.f.g. dissem. cp in host. Coarse cp associated with chlorite selvages along weakly barren quartz vlts, 2-8 mm thick.	2a	5	1	1	1	4	2	1	3	2	1			2			156	159	3	.43	.006		.7
159	162	3	95	Partly broken interval, carbonate gouge zone 159.3 - 159.8 m. Dk green to pale green, f.g., mottled to uniform, silicified, chloritic, pyritic andesite. Note that pyrite has become finer grained in general from 150 m onward. The host rock is highly silicified. Qt vlts carry minor [illegible] py & cp.	2a	4	1	1	1	4	2	1	3	2	1			2			159	162	3	.27	.010		1.4
162	165	3	100	Green, v.f.g., mottled to uniform andesite, pyritic, silicified, chloritic, cut by qz vlts, 2-5 mm thick, 80-30° to c.a., largely barren. Development to coarse gr., patchy/blebby pyrite, patches of milky quartz, v.f.g. dissem. py, cp in host, locally magnetic.	2a	6	1	1	1	4	2	1	3	2	1			2		[illegible]	162	165	3	.30	.015	.10	.7

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 3
Sheet 11 of 19
Logged by P. Pete
Sampled by P. Pete

FOOTAGE From	To	RECOVY Run	Core	DESCRIPTION	LITHOLY	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo		%	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
165	168	3	100	Grey to green, spotty to uniform, fine gr. andesite. Pyritic, silici. died, chloritic, cut by grey to milky Qz veins, 2-10mm thick, 10-20° a CA, sometimes offset by chloritic fractures & shears. Grey areas consist entirely of quartz with chlorite-sulphide impurities, green is chl. gr. mixture of Qz-chlorite containing ep, Py; weakly magnetic. Disseminated Pyrite stringers in places.	2a	6	1	1	1	3	2	1	3	2	1		2		13451	165	168	3	.44	.010		.7
168	171	3	100	Grey to green andesite, as above, with epidote fracture fills. Qz veins, 2-5mm thick, irregular angles ^ C.A. Irregular. Irregular. Development of chlorite-epidote or clots. Dissem. Py, ep. in silicified host.	2a	6	1	1	1	3	3	1	3	2	1		2			168	171	3	.42	.015		1.4
171	174	3	94	Grey to green, spotty to uniform fine gr. andesite. Local dykes built of dk green chlorite, pale green epidote spots. Brecciated qtz. cut by Qtz veins, 2-5mm thick, largely white, sometimes dismembered. Abundant hairline fractures coated with chlorite. Chl. gr. py, ep, etc. No dissem in silicified host.	2a	5	1	1	1	3	2	2	3	2	1		2			171	174	3	.35	.015		.3
174	177	3	100	Dark green to med grey, fine gr, uniform andesite, 5-10% chlorite mottles & fracture coatings, highly silicified, minor pyrite. Quartz veins 1-2% with chl. gr. dissem. ep. Cut by Qtz veins 2-5mm thick, 0-30° a C.A., often branching, largely barren. Also cut by narrow dk chl. dykes, @ 74.1-74.34 ft & 74.36-74.70 ft., fine grained fine gr. Qtz-epidote veinlets, calcite filled fractures, 1-3mm across.	2a	9	1	1	1	3	2						2			174	177	3	.27	.015		.3
177	180	3	100	DK green to grey fine, mottled to uniform, silicified andesite cut by Qtz veins, epidote & chlorite fracture fills, contains v. fine gr. dissem. ep, Py assoc. & host rock chlorite. Pattern	2a	6	1	1	1	3	2	1	3	2	1		2		13460	177	180	3	.27	.030	.07	.3

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 3
Sheet 12 of 17
Logged by D. Belo
Sampled by D. Belo

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litho'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bn			Fr.	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
180	183	3	99	Dk green to grey, f.g., mottled to uniform, silicified, andesite with chlorite-epidote clots, grey siliceous blotches, chlorite fracture coatings, Qz vlts, 2-5mm thick, 80-85° to c.a., carrying m.g. py, cp. f.g. dissem. ... chlorite frac. fills in host rock, also dissem f.g. cp in host.	2a	8	1	1	1	3	2	2	3	2	1			2		13262	180	183	3	.30	.032		.7
183	186	3	100	Green to grey, f.g., mottled to uniform, silicified andesite, cut by chlorite fractures, Qz vlts, 1-5mm thick 70-85° to c.A., some disseminated, & dissem. cp & py ... also dissem. cp in host rock. V.f.g., brown, soft alteration @ 183.6m, possibly secondary biotite.	2a	7	1	2	1	3	2	1	3	2	1			2		-	183	186	3	.45	.004		2.1
186	189	3	100	Green to grey, f.g., mottled to uniform, silicified andesite, & Dk chlorite clots & milky siliceous blotches, cut by chlorite frac. fills, Qz vlts, 1-5mm thick & cp, py grains. V.f.g. dissem. cp, py in host. Coarser cp in siliceous patches	2a	4	1	1	1	3	2	1	3	2	1			2			186	189	3	.25	.010		1.4
189	192	3	100	Green to grey, f.g., mottled andesite. Dark patches of greenish-brown alteration between 191-192m, possibly secondary biotite or brown chlorite. Dissem. cp, py & trace Mo in silicified host. Qz vlts 1-5mm, 60-80° to c.a. carrying v.f.g. dissem. cp & py. By chlorite frac. fills.	2a	6	1	2	1	3	2	2	3	2	1			2			189	192	3	.30	.011	.13	1.4
192	195	3	100	Dk Green to grey, f.g., mottled to uniform, silicified andesite, epidote-chlorite blots, irregular, milky siliceous patches, healed epidote, chlorite fractures, qtz vlts, 2-?mm & minor cp, py. Dissem. py, cp in host, epidote blotches, sulphides 1-2%	2a	6	1	1	1	3	2	1	3	2	1					13266	192	195	3	.29	.011		1.7

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 3
Sheet 13 of 19
Logged by C.A.F.
Sampled by C.F.F.

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	S	B	K	C	E	Mo	Py	Cp	Bo			Mg	Graphic	Sample No.	From	To	m	Cu	MoS2	Au	Ag
195	198	3	100	Greyish grey, fn-gr., mottled andesite, 2° chlorite - epidote - milky Qz blotches, epidote shears, chlorite fractures, fn-gr. dissem. py & cp in silicified host. Qz vlts, 1-2mm, ~45° c.a. largely barren.	2a	4	1	1	1	3	2	1	2	2	1			2		1267	195	198	3	.31	.014		1.7
198	201	3	100	Greenish grey, fn-gr., mottled to uniform, silicified andesite. Cut by epidote - carbonate [illegible] 198.4-198.5m, @ 45° c.A. Qz vlts 60-70° c.A., 2-5mm thick, carrying dissem. cp, mo, cp (<1%). V. fn-gr. cp, py, traces mo in host, & coarse cp in chlorite selvages along Qz vlts.	2a	4	1	1	1	3	2	2	2	2	1			2			198	201	3	.35	.018	.06	1.7
201	204	3		Shattered interval 202.1-203.4m probable carbonate - chlorite - epidote shear zone. Dk green, fn-gr. silicified andesite, dissem. cp, py, epidote. Cut by Qz vlts, 2-5mm thick, 70-80° c.A., cp along selvages. V. fn-gr. py & cp also occur as dissem. grs. in host.	2a	4	1	1	1	3	2	1	2	2	1			2			201	204	3	.45	.010		1.4
204	207	3	73	Core loss, shattered interval 205-206 m. Green, fn-gr. silicified andesite cut by chlorite fractures & Qz vlts 3-15 mm thick, containing dissem. cp <1%. V. fn-gr. dissem. cp in host andesite. No magnetite.	2a	7	1	1	1	3	2	1	2	2	1			1			204	207	3	.31	.010		1.4
207	210	10	100	Dk green, fn-gr., uniform, silicified andesite. Showing [illegible] zone of solution collapse breccia @ 207.2m. Cut by stringers & seams of cp 1-2mm, cp in Qz vlts as disseminated grs or selvages. V. fn. cp dissem. cp in host rock. Chlorite - epidote - py - Qz clots. Some coarse dissem. pyrite. Qz vlts, 2-5mm thick, mineralized c̄ cp.	2a	5	1	1	1	3	2	1	2	3	1			1		1271	207	210	3	.44	.013	.12	1.4

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar		

PROPERTY GAMBIER ISLAND | Length | HOLE No. 3
Location | Hor. Comp. /Vert. Comp. | Sheet 14 of 19
Elevation | Bearing | Logged by P. Pelton
Coordinates N | Begun /Completed | Sampled by P. Pelton
E | Core size /Recovery %

FOOTAGE From	To	RECOV'Y Run	Core	DESCRIPTION	LITHOL'Y	VEINS No. / Per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bu		Mg	GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
210	213	3	100	Dk green, fine gr., mottled to uniform, silicified andesite. 210.6 - 210.9 m, pale green, metabasalte dyke, also @ 211.6 - 212 m. Andesite also cut by Qz + Ilm, 3-10 mm thick, C = 70° to C.A., causing dissem cp + pyrrhotite, chlorite - epidote - Qz - cp matrix minor Apy. Magnetite veining dissem cp.	2a	10	1	1	1	2	2	2	2	3	1		1		1372	210	213	3	.40	.006		1.7
213	216	3	111	Dk green, fine gr., uniform, silicified andesite, Cut by Qz + Ilm's, stringers 1 - 5mm thick, 60° - 45° to C.A., contain fine dissem cp, epidote - Cut by numerous chlorite - epidote coated fractures, occasional platy filled fractures, 5mm thick. Abundant dissem + stringer cp in host	2a	4	1	1	1	3	2	2	2	3	1		1			213	216	3	.37	.018		2.
216	219	3	90	Dk green, fine gr., uniform, silicified andesite, Cut by numerous chlorite - epidote coated microfractures, rare 5mm Qz + Ilm irregular discontinuous Qz + Ilm's 2 - 5mm thick, carrying cp, py. Py in mod gr clots + dissem in host 217.5 m, + large dissem cp throughout.	2a	6	1	1	1	3	2	2	2	3	1		1			216	219	3	.22	.038	.14	.7
219	222	3	103	Dk green, fine gr., uniform to streaky, silicified andesite. Cut by Qz + Ilm's 2 - 5mm thick, C = 70° to C.A. Chlorite - epidote fractures, Qz - carbonate - epidote clusters, magnetite fracture fill. Dissem py, cp in host, cp, epidote in Qz + Ilm's. Weakly to mod magnetic	2a	9	1	1	1	3	2	1	2	3	1		1			219	222	3	.34	.043		.7
222	225	3	103	Dk green to greyish green, fine gr., streaky + spotty, silicified andesite. Cut by Qz + Ilm's, 60 - 45° to C.A., carrying v fine dissem py, cp (<1%). Hedenbergite contains large dissem cp, py (cp > py)	2a	7	1	1	1	3	2	2	2	3	1		1			222	225	3	.31	.010		1.0
225	228	3	99	Dk green to grey, fine gr, mottled, silicified andesite. Rare specks + clots of chlorite - epidote - white Qz. Cut by Qz + Ilm, 2 - 5mm thick, 45° to C.A., carrying v fine gr dissem cp, rare <1%, cp also in chlorite selvages. Dissem cp, py in andesite host.	2a	7	1	1	1	3	2	2	2	3	1		1		1377	225	228	3	.30	.010	.15	1.4

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 3
Sheet 15 of 19
Logged by P. Peto
Sampled by P. Peto

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bn			Mg	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
228	231	3	96	Dk green to green, fn. gr., mottled, andesite. Conspicuous clots of dk green chlorite, epidote, milky qz. Chlorite-epidote fracture fills, Qz vlts, 2-5mm, 40-60° c.a., carrying cp (±py). Dissem. cp. in host ≤2%.	2a	6	1	1	1	3	2	1	2	5	1			1		13216	228	231	3	.37	.014		1.7
231	234	3	105	Dk green to green, fine gr., mottled to uniform, silicified andesite cut by Qz vlts 2-5mm thick, 60-80° c.a., carrying ≤1% cp, py grains. Siliceous blebbles of milky qz - epidote - chlorite scattered throughout fn gr., dissem. cp ± py in host andesite. Weakly magnetic	2a	7	1	1	1	3	2	1	2	2	1			1			231	234	3	.25	.008		1.0
234	237	3	80	Broken section, core loss ~20%. Dk green, fn gr., uniform silicified andesite & Qz vlts, 2-5mm thick 10-80° c.a. ≤ traces cp & py. Dissem. cp & cp, ~1% in chloritic host.	2a	6	1	1	1	3	2	1	2	2	1			1			234	237	3	.37	.018	.17	1.4
237	240	3	105	Dk green, fn gr., mottled silicified andesite. Cut by epidote - Qz fracture fills 1-3mm thick, ~60° c.a., chlorite coated minor fractures Qz vlts 1-5mm, 40-60° c.a., ≤ traces cp & py. Dissem py cubes, & cp in host.	2a	7	1	1	1	3	2	1	2	2	1			1			237	240	3	.26	.011		.7
240	243	3	100	Dk green fn gr., uniform silicified andesite. Cut by epidote fracture fills, chlorite-coated minor fractures, Qz-vlts, 2-25mm thick, ~60° c.a. c slight cp & py grains. Dissem cp & py in chloritic host. Some dissem. mt. 242.3-243 m, pale green, highly fractured, rhyolite dyke, clay.	2a	7	1	1	1	3	2	1	2	3	1			2			240	243	3	.22	.009		.7
243	246	3	105	243-244 m, pale green rhyolite. 244-246 Dk green, fn. gr., uniform andesite. Some chlorite-epidote-Qz blebbles, cut by Qz vlts 2-5mm thick 45-60° c.a., largely broken. Dissem. fn gr. cp & py in chloritic hosts.	2a	7	1	1	1	3	2	1	2	2	1			1		13283	243	246	3	.28	.015	.09	1.4

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 3
Sheet 11 of 17
Logged by [illegible]
Sampled by [illegible]

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo		GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
246	249	3	100	Dk green, fine gr., uniform, silicified andesite. Cut by epidote fracture fills, Qtz vlts, 2-5mm thick, 45-60° c.a. Chlorite-epidote fracture fills. Development of dissem. and fine py to v. fine gr. cp. in host andesite. Patches of magnetite, 1-3mm areas, variable.	2a	6	1	1	1	3	2	1	3	2	1	?		1224	246	249	3	.29	.025		1.0
249	252	3	100	Dk green, fine gr., mottled, silicified andesite. Cut by epidote & chlorite fracture fills, some c cp & py. Qtz vlts 2-5mm, 70° c.a., largely broken. Dissem. cp, py in chloritic host, also dissem. v. fine gr. magnetite in places.	2a		1	1	1	3	2	1	2	2	1	3			249	252	3	.25	.025		1.0
252	255	3	100	Dk green, fine gr., mottled, silicified andesite. Epidote & chlorite fracture fills. Qtz vlts, 2-5mm thick, 45-60° c.a. Minor cp & py. Dissem. cp in chlorite aggs. & py in host, magnetite clots in places.	2a	6	1	1	1	3	2	1	3	2	1	3			252	255	3	.28	.013	.19	.7
255	258	3	90	Dk green, fine gr., uniform to mottled, silicified andesite. Cut by epidote frac. fills, 1-2mm, 60° c.a. Qtz vlts 1-35mm, 45-90° c.a., carrying traces of cp. V. fine gr. dissem. cp in chloritic host, coarse py, development of magnetite clots.	2a	7	1	1	1	3	2	1	2	2	1	3			255	258	3	.26	.013		1.0
258	261	3	98	Dk green, fine gr., mottled, silicified andesite. Cut by chlorite/epidote fracture fills 90-60° c.a. Qtz vlts 2-15mm thick, 45-60° c.a., c traces cp, Mo. Also dissem. py, cp in chloritic host. Approx. Alt-chlorite.	2a	5	1	1	1	3	2	2	2	2	1	3			258	261	3	.17	.014		1.0
261	264	3		Dk gr., fine gr., mottled to uniform, silicified andesite. Cut by epidote & chlorite frac. fills, Qtz vlts 2-25mm thick, 60-90° c.a. Chlorite-epidote-[illegible], also cp-alt-chlorite infillings. Traces of fine cp. dissem. Alt. chlorite - py frac. coatings, dissem. py cubes. Py > cp.	2a	5	1	1	1	3	2	2	2	3	1	3		12259	261	264	3	.16	.010	.13	.7

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 3
Sheet 17 of 19
Logged by [illegible]
Sampled by [illegible]

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bn			Mt	Sample No.	Sample From	Sample To	m	Cu	MoS2	Au	Ag
264	267	3	92	Dk green, f.g., mottled, silicified andesite. Relict 1-2 mm, [illegible] feldspar phenocrysts, set in a dk chloritic matrix, with secondary [illegible], epidote, milky Qz patches; cut by Qz vlts, with minor cp. Also cut by epidote-Qz frac. fills, ~ 80° to c.a., 1-2 mm thick. [illegible]	2a	4	1	1	1	3	2	1	3	2	1			2	[illegible]	264	267	3	.23	.009		1.4
267	270	3	85	Dk green, f.g., porphyritic silicified, [illegible] andesite. Cut by grey Qz vlts, 2-10 mm thick, 45-50° to c.a., carrying py + tr. cp (<1%). Cp & py occurs along chloritic salvages. Abundant dissem. py cubes in chloritic matrix. Magnetite locally [illegible]	2a	7	1	2	1	3	2	1	3	2	1			3		267	270	3	.27	.011		1.0
270	273	3	100	Dk green to green, f.g., uniform porphyritic, silicified andesite. 270.0-270.7 ft porphyritic with white phenocrysts 1-2 mm; 270.7-273.0 uniform grey andesite. Cut by Qz vlts, 2-20 mm thick, 0-90° to c.a., carrying minor cp, py, traces of Mo. Smeared py in chlorite frac. fills. Dissem py & minor cp in host rocks	2a	6	1	1	1	3	2	2	3	2	1			2		270	273	3	.27	.08	.21	1.7
273	276	3	95	Grey, mottled, f.g., andesite. Conspicuous chlorite-epidote-milky Qz patches. Cut by Qz vlts, 3-10 mm, 80-45° to c.a., carrying dissem py, cp, traces Mo (<1%). Also dissem py, cp in silicified host.	2a	8	1	1	1	3	2	2	3	2	1			2		273	276	3	.28	.03		1.7
276	279	3	100	Shattered interval 278.7-279.0 [illegible]. Dk greyish-green, f.g., uniform silicified andesite. 278.1-278.6 Qz-epidote [illegible] zone approx 45° to c.a. Also cut by Qz vlts, 3-7 mm thick, 90-10° to c.a., carrying minor cp. Carbonate frac fills. Dissem cp in host <1%.	2a	5	1	1	1	3	2	1	2	2	1			2		276	279	3	.29	.010		1.7
279	282	3	100	Greyish green, uniform, f.g. silicified andesite. Cut by epidote Qz [illegible] 50° to c.a., offsetting Qz vlts, 20-3 mm thick, 80-40° to c.a., carrying dissem py, cp (<1%). Also dissem cp & cp frac fills <1 mm thick. [illegible]	2a	7	1	1	1	3	2	2	2	3	1			1	[illegible]	279	282	3	.22	.009	.06	2.1

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar		

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 3
Sheet 18 of 19
Logged by P. Pete
Sampled by P. Fox.

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo				GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
282	285	3	99	Greenish-grey, f.g.-m.g., uniform, silicified andesite, ≤ minor development of chlorite-epidote-milky Qz blebs. Cut by epidote & chlorite frac. fills, Qz vlts, 2-20mm thick, carrying v.f.gr. dissem. py, cp & Mo. Also dissem. py, cp (≤1%) in andesite host.	2a	4	1	1	1	3	2	2	2	2	1			2		1326	282	285	3	.23	.009		.7
285	288	3	103	Greyish-green, f.g.-m.g., uniform, silicified andesite. Cut by epidote-Qz & chlorite fracture fills, Qz vlts, 2-30mm thick, most 5mm, 10-70° ∧ C.A., carrying ≤1% py, cp. v.f.gr. dissem. py & cp, cp>py in host.	2a	7	1	1	1	3	2	1	2	2	1			1			285	288	3	.25	.008		1.4
288	291	3	97	Greyish-green, f.g.-m.g., uniform silicified andesite 288-290 m, mottled andesite 290-291 m. Cut by epidote & chlorite frac. fills, Qz vlts, 2-5mm, 30-60° ∧ C.A., carrying v.f.gr. dissem. cp & py (~1%). Dissem. v.f.gr. cp & py in host ≤ secondary retrograde biotite in places 289.7 m.	2a	8	1	2	1	3	2	1	2	2	1			2			288	291	3	.21	.021	.04	.7
291	294	3	96	Greyish-green, f.g.-m.g., uniform silicified andesite. 291.4 m Qz-epidote solution collapse breccia. Cut by epidote-Qz fracture fills, ~60° ∧ C.A. 2-3mm thick Qz vlts, 2-5mm thick, 70°-40° ∧ C.A., carrying ≤1% dissem. f.g. cp & py. Mottled secondary biotite 291.? m & 292 m. Cp-py segregated in f.g. cp in host. Traces of dissem. Mo.	2a	5	1	2	1	3	2	2	2	2	1			2		1329	291	294	3	.21	.014		1.0
294	297	3	104	Greyish-green, f.g.-m.g., mottled silicified andesite. Boundary limits [illegible] 294.6 & 296.8 m. Cut by pale green epidote-Qz frac fills, Qz vlts, 1-10mm thick, 30-70° ∧ C.A., carrying dissem. cp & py, minor magnetite. Dissem. py in host.	2a	6	1	2	1	3	2	1	2	2	2	1		2		1330	294	297	3	.20	.031		1.4

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 3
Sheet 14 of 19
Logged by [illegible]
Sampled by [illegible]

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Ho			W	Graphic	Sample No	Sample From	Sample To	m	Cu	MoS2	Au	Ag
297	300	3	100	Greenish-grey to dk green, fn gr., 'speckled' silicified andesite 'Skarndary', breccia textures throughout 297-298.8. Cut by Qz vlts, 2-10mm thick 45-60° c.A. & dissem Mo, cp (<1%). Epidote, albite & magnetite fracture fills. V. fine gr. dissem. py & minor cp in andesite host.	2a	7	1	2	1	3	2	2	2	2	1			2		1332	297	300	3	.18	.010		1.4
300	303	3	100	Greyish-green, fn gr., uniform silicified andesite. Cut by epidote & albite fracture fills, Qz vlts, 2-10 mm thick @ 60-45° c.A. carrying dissem. Mo, cp, & py (<1%). Also dissem. & blebs of Mo & py in host.	2a	5	1	2	1	3	2	2	2	2	1			2		1333	300	303	3				
303	304.8	1.8	1.8	Greyish-green, fn gr., uniform to speckled silicified andesite. Albite-epidote-biotite Qz veinlets. Qz vlts, 3-5mm thick @ ~45° c.A., carrying ~1% dissem. cp, Mo, py. Also blebs & dissem py, cp in host. Sec. biotite in places.	2a	5	1	2	1	3	2	2	2	2	1			2		1334	303	304.8	1.8	.18	.015	[illegible]	1.0

END OF HOLE 304.8m
Rec = 94.5%

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing
	-90	—

PROPERTY GAMBIER ISLAND
Location
Elevation 120 m
Coordinates 1050 W N; 1235 50 S E

Length 190.1 m
Hor. Comp. / Vert. Comp.
Bearing
Begun 16-?-79 / Completed 23-?-79
Core size BQ / Recovery 100 %

HOLE No. 4
Sheet 1 of 12
Logged by P. Bic
Sampled by P. Bic

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo				Graphic	Samples No	Samples From	Samples To	m	Cu	MoS2	Au	Ag
0	3.8	3.8	0.8	3.8 m overburden; glacial till containing biotite granite, greenstone, vesicular basalt boulders																							
4	7	3	93	Grey, speckled dk green, medium gr. grains, 1–2 mm across consisting of grey-smoky ovoid quartz, white feldspar and irregular clots of dk green chlorite & specks of pale green epidote. Also contains v. minor dissem. cp & Mo largely concentrated in chlorite-epidote clots, or along grain boundaries between qz & feldspar. Cut by qz vlts, 5–10 mm thick, largely barren. Fracture planes coated with secondary pyrolusite, limonite & yellow Mo-stain. Non-magnetic	QFP 5	2	1	1	1	3	2	2	1	2	1			1		4	4	7	3	.45	.004		2.0
7	10	3	100	Grey, speckled green, medium gr. hydrothermally altered granite, cut by pale green medium gr. sericitic(?) qz-feldspar porphyry @ 7.45–7.68, 7.9–8.48, 8.75–9.20 meters ~20° ∧ C.A. Contains <1% dissem. cp & Mo	5	1	2	1	1	3	2	2	1	2	1			1		7	7	10	3	.12	.006		1.5
10	13	3	100	Grey-speckled green, medium gr. chloritic granite. Cut by occ. qz vlts, chlorite-carbonate fracture coatings ~60° ∧ C.A. Chlorite has pale green tint & contains v. fine-gr. cp, py dissem's. Non-magnetic	5	2	2	1	1	3	2	1	2	2	1			1		10	10	13	3	.17	.05		1.5
13	16	3	99	Pale green, speckled dk green, med. gr., allotriomorphic-equigranular granite. Cut by milky qz vlts, ~40° ∧ C.A. barren & pale green siliceous veins 3–5 cm thick ~80° ∧ C.A. with dissem. cp & py. Host granite has dissem. v.f. gr. cp & py	5	2	2	1	1	3	2	1	2	2	1			1		13	13	16	3	.19	.010		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 4
Sheet 2 of 17
Logged by P. Peto
Sampled by P. Peto

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Alt	Graphic	Samples No	Samples From	Samples To	m	Cu	MoS2	Au	Ag
16	19	3	97	Pale green, speckled dk green, med. gr., equigranular granite. Chlorite clots 1–10 mm across, containing v. fine gr. dissem. cp & py. Also scattered carbonate along grain boundaries & fractures. Cut by chlorite–carbonate fractures ~40° C.A. & Qz vlts 5–8 mm thick, barren.	5	1	2	1	1	3	2	1	2	2	1			1			16	19	3	.26	.012		1.5
17	22	3	93	Pale green & gray, speckled dk green, med. gr., equigranular granite. Cut by Qz vlts, 2–5 mm thick ~30° C.A. carrying cp along chlorite selvages, also v. fine gr. dissem. cp in gr. host.	5	2	1	1	1	3	2	1	2	2	1			1			19	22	3	.22	.007		1.0
22	25	3	108	Pale green, speckled dk green, med. gr., equigranular chloritic gr. Cut by 2–5 mm Qz vlts, 45–50° C.A., carrying fine gr. cp & py along chlorite selvages. Also occ. epidote–cp stringer, 2 mm across, ~45° C.A. Contains dissem. v. fine gr. cp & py.	5	5	1	1	1	3	2	2	2	2	1			1			22	25	3	.26	.007		1.5
25	28	3	100	Pale green & gray, speckled dk green, med. gr., equigranular granite. Conspicuous white feldspar crystals 1–5 mm across, set in a pale green siliceous matrix, contain <1% py cubes. Qz vlts, 2–5 mm 45–50° C.A. & cp. Also cp stringers & patches, mm thick & dissem. Mo flakes.	5	2	1	1	1	3	2	2	2	2	1			1			25	28	3	.26	.012		1.0
36	31	3	104	Pale green, speckled dk green & white, med. gr., equigranular, chlorite granite. Also contains ~1% dissem. fine gr. py, cp, Mo. Qz vlts 2–5 mm, carry dissem. fine gr. Mo & cp.	5	1	1	1	1	3	2	2	2	2	1			1			28	31	3	.34	.007		1.0
31	34	3	100	Pale green, speckled dk green & white, med. gr., equigranular, chloritic granite. Cut by Qz vlts 2–5 mm thick ~40° C.A. & dissem. py, Qz–epidote stringers ~45° C.A. & cp. Also contains dissem. fine gr. cp, py cubes in gr. matrix. Carbonate–chlorite coated frac. fills ~50° C.A.	5	4	2	1	1	3	2	1	2	2	1			1			31	34	3	.30	.009		1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core Size /Recovery %

HOLE No. 4
Sheet 3 of 13
Logged by P. Peto
Sampled by P. Peto

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALT. S	ALT. B	ALT. K	ALT. C	ALT. E	MIN. Mo	MIN. Py	MIN. Cp	MIN. Bo	MIN. (last col.)	GRAPHIC	SAMPLES No	SAMPLES From	SAMPLES To	m	Cu	MoS2	Au	Ag
34	37	3	104	Pale green, speckled dk green & white, med. gr., equigranular, chloritic granite. Cut by 1-2mm epidote-quartz frac. fills ~60° c.a., qz vlts 2-4mm, ~60° c.a., carrying dissem. cp. Also, fine gr. dissem cp. & epidote clots in gr. host. Sericite-carbonate-py-cp frac. coatings ~45° c.a.	5	3	2	1	1	3	2	1	2	2	1	1			34	37	3	.31	.009		1.5
37	40	3	91	Badly broken interval between 38-40 m; decomposed, fractured gr. & carbonate, epidote, sericite alteration, possibly along fault zone. 37-38m, med. gr. chloritic granite, cut by qz vlts, 5-15mm thick, 45-80° c.a., carrying dissem py, cp, also found in gr. host.	5	2	2	1	1	3	2	1	2	2	1	1			37	40	3	.47	.008		2.5
40	43	3	102	Pale green, speckled dk green & grey, medium gr., equigranular, chloritic gr. & dissem. py cubes, v.f. gr. cp. Epidote frac. fills, sericite-carbonate shears & qz vlts occ. Dissem. v.f. gr. cp & Mo	5	1	2	1	1	3	2	2	2	2	1	1			40	43	3	.22	.014		1.0
43	46	3	96	Pale green, speckled dk green, med. gr. equigranular, chloritic granite. Rounded qz grains, pale green saussuritic feldspars, [illegible] clots of dk green chlorite, epidote after mafic minerals. Dissem. py cubes, v.f. gr. cp & Mo. Cut by sericite-carb. fracture coatings, qz vlts ~30mm across, carrying cp, py, epidote	5	1	2	1	1	3	2	2	2	2	1	1			43	46	3	.32	.011		1.5
46	49	3	98	Dk green-grey, speckled, med. gr., equigranular, chloritic granite. Cut by chlorite-carbonate frac., some & epidote, qz vlts ~5mm thick ~45° c.a., & dissem py, cp. Also cut by qz-carbonate veins & some py coatings, fine gr. dissem cp, & hidden Mo	5	2	2	1	1	2	2	2	2	2	1	1			46	49	3	.29	.012		2.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND	Length		HOLE No. 4
Location	Hor. Comp.	/Vert. Comp.	Sheet 4 of 12
Elevation	Bearing		Logged by P. Peto
Coordinates N / E	Begun	/Completed	Sampled by P. Peto
	Core size	/Recovery %	

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholy	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo				Graphic
49	52	3	100	Pale green, speckled dk green, med. gr. equigranular chloritic granite. Cut by Qz vlts 2-4mm thick @45° c.a. c dissem. cp & py. Also Qz-chlorite-sericite frac's, dissem epidote, py & cp in host granite.	5	2	2	1	1	3	2	1	2	2	1			2	
52	55	3	100	Pale green, speckled dk gr, med. gr., equigranular, chloritic granite. Cut by numerous Qz vlts, 3-10 mm thick, @ ≈ 30°(?) dissem py, cp. Dissem fine gr py & cp in granite host	5	4	2	1	1	3	2	1	2	2	1			1	
55	58	3	100	Pale green, speckled dk green, med. gr. equigranular, chloritic granite. Cut by pale green, siliceous aplite veins @ 55.13-55.50 m, 56.75-60.0 m. Cut by Qz vlts, ≈ 5mm across, ~45° c.a., carrying dissem py, cp. Host granite carries less dissem. Mo, py & cp. (Cp > Py >> Mo) ~1%	5	2	2	1	1	3	2	2	2	2	1			1	
58	61	3	94	Pale green, speckled dk green equigranular, med. gr., chloritic granite. Cut by Qz vlts, 5-20 mm thick carry dissem py, cp, Mo (~1%), ~45-60° c.a. Also dissem cp is concentrated in chlorite epidote clots. (Cp > Py >> Mo)	5	1	2	1	1	3	2	2	2	2	1			1	
61	64	3	100	Pale green, speckled dk green, med gr, equigranular, chloritic granite. 63.0 m pale green aplite vein, 40 cm thick, c cp-chlorite selvage along with Qz vlts. Grab sample taken @ 1 m. Qz vlts 2-5 mm thick carry fine gr dissem cp & Mo. Granite host shows epidote clots, dissem cp & py, also cp occurs on chlorite-sericite fracture planes. Cp ~ Py > Mo	5	4	2	1	1	3	2	2	2	2	1			1	

Samples No.	Samples From	Samples To	m	Cu	MoS_2	Au	Ag
	49	52	3	.29	.02		2.0
	52	55	3	.37	.014		1.6
	55	58	3	.53	.017		4.5
	58	61	3	.47	.010		2.0
	61	64	3	.64	.011		5.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 4
Sheet 5 of 12
Logged by [illegible signature]
Sampled by [illegible signature]

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo	[illegible]	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
64	67	3	99	Pale green, speckled dk green, med. gr., equigranular chloritic granite. Aplite dyke 64-64.1 m, also cut by qz vlts, 20°-70° t.c.A., 3-10 mm thick carrying dissem. f.g. cp, mo ~1%. Occ. qz-carbonate frac's. Also dissem. f.gr. cp & py, epidote in granite host.	5	3	2	1	1	3	2	2	2	2	1	1			64	67	3	.40	.012		2.5
67	70	3	102	Pale green, speckled dk green & grey, med. to coarse gr. granite, grey feldspar, milky/glassy qz, dk green biotite/chlorite clots. Cut by qz vlts, 2-10 mm thick, ~40° t.c.A., carrying dissem. cp, mo. Also dissem. f.gr. cp & py.	5	4	2	1	1	3	2	2	2	3	1	1			67	70	3	.44	.052		2.0
70	73	3	113	Pale green, speckled dk green, med. gr., equigranular, chloritic granite cut by qz vlts, 5-30 mm thick, 80-40° t.c.A., carrying dissem. cp & py <1%; granite host carrys vis. f.gr. cp.	5	4	2	1	1	3	2	1	2	2	1	1			70	73	3	.36	.020		2.0
73	76	3	92	Pale green, speckled dk green, med. gr., equigranular, chloritic granite. 75.7-76.0 m pale green rhyolite dyke. Cut by qz vlts, 30-70° t.c.A., 3-5 mm thick, c̄ specks of mo & coarse cp (~1%); also v. f.gr. cp dissem. in granite host, especially in chlorite clots.	5	2	2	1	1	3	2	2	2	2	1	1			73	76	3	.29	.008		2.5
76	79	3	100	Broken interval, cut by numerous carbonate-sericite fract., 0-45° t.c.A. 76.0-76.2 m aplite/rhyolite, 76.7-77.8 m shattered, pale green siliceous rhyolite dyke c̄ chalcopyrite, mo along numerous frac. surfaces & epidote frac's. 78.2-79.0 m fractured epidote-sericite-carbonate rhyolite c̄ cp stringers along frac., ~1 mm thick. 77.8-78.2 m pale green speckled chloritic granite c̄ dissem. cp ~1%.	5 / 6	1	2	1	1	3	3	2	2	2	1	1			76	79	3	.21	.020		1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 4
Sheet 6 of 12
Logged by C.P.T.
Sampled by C.P.T.

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp					GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS_2	Au	Ag
79	82	3	95	80.44 – 81.2 m pale green, siliceous mottled skarnlite c dissem. trace cp, trace Mo. 79.0 – 80.44 m, 81.2 – 82.0 m pale green, speckled dk green, med. gr. chloritic granite. Cut by 2-5 mm Qtz lts, @ ~40° c.a., largely barren. Also cut by chlorite-zeolite-carbonate fracs ~40° c.a. Granite carrys v. fine gr. dissem. cp & py.	6 / 5	3	2	1	1	3	2	1	2	2	1			1			79	82	3	.08	.013		0.5
82	85	3	105	Pale green, speckled dk green, med. gr., equigranular, chloritic granite, contains fine gr. cp, py & Mo. 82.0 – 82.6, 83.8 – 84.1, 84.8 – 85.0 m, pale green siliceous skarnlite dykes containing fine gr. dissem. py, cp & Mo. Also cut by Qz lts, 3-5 mm thick, carrying dissem cp ~ 1%	5	3	2	1	1	3	2	2	2	2	1			1			82	85	3	.19	.023		1.0
85	88	3	100	Pale green, mottled dk green & grey, med. gr. equigranular chloritic granite containing dissem. patches of cp & py. Cut by chl. Qz lts, 2-5 mm across, largely barren	5	2	2	1	1	3	2	1	2	2	1			1			85	88		.09	.010		0.5
88	91	3	94	Pale green, speckled dk green, med. gr., equigranular chloritic granite containing dissem cp, py & Mo. Cut by Qz-lts, 2-5 mm thick, @ ~ 60° c.a., carrying dissem. cp.	5	4	2	1	1	3	2	2	2	2	1			1			88	91	3	.10	.021		1.0
91	94	3	121	Pale green, speckled dk green, med. gr., equigranular, chloritic granite. Cut by Qz lts, 3-6 mm across, @ ~ 60° c.a. carrying dissem cp, py & Mo (~1%). Granite host contains dissem. fine gr. cp, py, epidote	5	4	2	1	1	3	2	2	2	2	1			1			91	94	3	.08	.057		0.5
94	97	3	100	Pale green, speckled dk green, med. gr., equigranular granite c speckles of epidote, epidote fracs, carbonate fracs. Cut by Qz lts, ~5 mm thick, 45 – 60° c.a., carrying traces of cp & py. Granite contains ≤ 5% dissem...	5	4	1	1	1	3	2	1	2	2	1			1			94	97	3	.12	.012		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 4
Sheet 7 of 12
Logged by P. Peto
Sampled by J. Zusinga

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholog'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo	Min. Mt	Graphic	Sample No.	Sample From	Sample To	m	Cu	MoS2	Au	Ag
97	100	3	100	Pale green, speckled dk grey, med. gr., equigranular, chloritic granite, ĉ dissem bx cp, py; trace Mo. Pale green, f-gr. aplite dykes @ 98.2–98.6 m, 98.8–99 m. Also cut by Qz vlts, 5–10 mm thick, ~45–60° c.a., ĉ dissem cp, py (~1%). Stringers of Qtz to 1–2 mm thick assoc. ĉ chloritic seams. Brown sphalerite accessory.	5	4	1	1	1	3	2	1	2	2	1	1			97	100	3	.12	.005		0.5
100	103	3	103	Pale green, speckled dk green, med. gr., equigranular, chloritic granite. Cut by aplite vein @ 101.24–101.4 m, @ 45° c.A. Also cut by Qz vlts, ~5 mm thick, ~50–60° c.A., ĉ dissem cp, also dissem. in gr host, ĉ some py (≤1%).	5	3	1	1	1	3	2	1	2	2	1	1			100	103	3	.40	.016	.03	2.5
103	106	3	100	Pale green, speckled dk green, med. gr., equigranular, chloritic granite. 104.75–104.90 m, massive py, po, cp, chlorite, tremolite selvage along Qz vein. 105.33–106 m epidote replacement of granite ĉ relict Qz grains, ĉ dissem cp grains & sericite gangue(?).	5	2	2	1	1	2	4	1	2	5	1	2			103	106	3	.21	.007		1.0
106	109	3	100	106.0–106.6 m yellow-green, fine gr., epidote and actinolite replacement, locally cp ~10%. 106.6–109 m, pale green, med. gr., speckled dk grey, equigranular, chloritic gr. ĉ biotite, pyrite assoc. Qz vlts, ~5 mm thick, ~45° to c.A., ĉ dissem cp, Mo.	5	2	1	1	1	3	3	1	2	3	1	1			106	109	3	.46	.008		2.5
109	112	3	100	Greyish, speckled dk green, med. gr., equigranular, chloritic granite ĉ dissem cp, py. Also cut by Qz vlts 3–5 mm, ~45° c.A. containing dissem cp, minor seams of cp & epidote, trace py(?)	5	3	1	1	1	3	2	1	2	2	1	1			109	112	3	.26	.006	.02	1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 4
Sheet 6 of 12
Logged by P. Pele
Sampled by J. ELSINGA

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo				Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
112	115	3	96	Greyish-green, speckled dk gr. and gy, equigranular, chloritic granite. 114.8 – 115.0 m pale green rhyolitic porphyry (altered). Cut by Qz vlts 3-5 mm thick 0-90° a.c.A. largely barren. Granite host carry dissem. blebs of cp, sphalerite, mo (<0.5%) at chlorite-sericite-rich fr[illegible]	5	3	2	1	1	3	2	2	2	2	1			1			112	115	3	.12	.005		1.5
115	118	3	100	Greyish-green, speckled dk green, & pale green sections and gy, equigranular, chloritic granite containing traces of cp & py. Cut by Qz vlts ½-1 mm thick, 50-90° a.c.A. carry <0.5% cp, py, & epidote.	5	3	2	1	1	3	2	2	2	2	1			1			115	118	3	.17	.005		1.0
118	121	3	100	118.5 – 118.9 m pale green, Qz-eye, rhyolitic dyke. 118.9 – 121 m pale green, speckled dk green and gy, equigranular, chloritic granite, contains <0.5% dissem cp, py. Cut by Qz vlts, 3-6 mm thick, some contain traces cp & py. cp>py	5,6	4	2	1	1	3	2	1	2	2	1			1			118	121	3	.11	.006	.01	0.5
121	124	3	98	121.0 – 122.3 m greyish-green, speckled dk green and gy, equigranular chloritic granite containing traces dissem. cp. 122.3 – 124 pale green, rhyolite & green tinted Qz phenocrysts 1-3 mm across <0.5% sulphide. Cut by Qz vlts 1-6 mm thick, 0-90° a.c.A., carrying mo, cp (<1%), & dissem py in [illegible]	5	6	2	1	1	3	2	2	2	2	1			1			121	124	3	.06	.014		.5
124	127	3	105	124.0 – 124.17 & 126.5 – 127.0 m greyish green, speckled dk green and gy, equigranular, chloritic granite & v. fine dissem cp <0.5%. 124.17 – 126.3 m pale green, siliceous rhyolite, & relict Qz eyes, <0.5% dissem. v. fine gr. cp, occasional chlorite-epidote blebs. Cut by Qz vlts 2-5 mm thick, ~40° a.c.A., largely barren.	5	4	2	1	1	2	2	1	2	2	1			1			124	127	3	.07	.005		.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / **Vert Comp.**
Bearing
Begun / **Completed**
Core size / **Recovery** %

HOLE No. 4
Sheet 9 **of** 12
Logged by C. Fitz
Sampled by T. Elsinga

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo	Min. Kf	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
127	130	3	101	Pale green, mottled green to dk green, siliceous meta-rhyolite breccia. Cut by numerous irregular anastomosing qz veins, 2-20 mm thick, all orientations, largely barren. Breccia fragments consist of chloritic granite 4-40 cm in length, & dk green siliceous andesite fragments <1 cm across. Some qz vlts & fragments of granite & andesite are offset by epidote microshears, & in some cases, recrystallized. Traces of dissem cp	5	14	2	1	1	2	2	1	1	2	1	1			127	130	3	.06	.012	.01	0.5
130	133	3	99	Pale green, mottled dk green, white, fn gr. andesite/rhyolite breccia. Cut by anastomosing qz veins, 3-10 mm thick & epidote-chlorite microshears & fracs. Very minor dissem. fn gr. cp, traces Mo, in host & cp in qz vlts (<1%)	5 bx	11	2	1	1	2	2	2	1	2	1	1			130	133	3	.27	.009		1.0
133	136	3	103	Pale green mottled dk green, meta-rhyolite breccia c chlorite granite & meta-andesite rock fragments 1-3 cm across. Cut by occasional 1 mm cp or Mo fracs, 5 mm thick, epidote-chlorite shears <1 mm across ~45° to c.a., & 1-20 mm qz vlts. Contains v. fn gr. dissem. specks of cp & mo.	5 bx	14	1	1	1	2	2	2	1	2	1	1			133	136	3	.08	.009		0.5
136	139	3	101	Pale green, mottled dk green, heterogeneous, rhyolite breccia c meta-andesite, chloritic granite fragments. Cut by irregular, anastomosing qz vlts 2-30 mm thick, c dissem. v. fn gr. cp, traces Mo. Rhyolite matrix carries <1% dissem cp.	5 bx	12	2	1	1	2	2	2	1	2		1			136	139	3	.07	.010	.06	.5
139	142	3	100	Pale green, mottled dk green, grey & yellow green, heterogeneous, rhyolite breccia c andesite, granite fragments set in a fn gr. siliceous matrix. Cut by anastomosing qz vlts c v. fn gr. cp. cp also v. fn gr. dissem cp in rhyolite matrix (<1%)	5 bx	16	1	1	1	2	2	1	1	2		1			139	142	3	.12	.031		.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 4
Sheet 10 of 12
Logged by [illegible]
Sampled by J. Elsing[illegible]

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Alt	GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
142	145	3	96	142.0-143.1 m, greyish-green, f.gr., uniform aplite, sugary texture, breccia & cataclastic fract. carries dissem. f.gr. Mo & cp(~1%). 143.1-144.9 pale greyish green, speckled dk green, med-f.gr. equigranular chloritic granite & dissem f.gr. cp & moly(<1%). 144.2-144.5m [illegible] aplite dyke. 144.9-145m breccia.	.5	4	2	1	1	2	2	2	1	2	1			1			142	145	3	.10	.021		0.5
145	148	3	100	Intrusive breccia, consisting of angular fragments, 2.5-14cm blocks, of chloritic granite, metabasalt-andesite cut by pale green aplite veins & f.gr. dissem cp(0.5%). Also cut by 3-10mm anastomosing qz. vlts & v.f.gr. dissem cp.(<0.1%)	5bx	10	2	1	1	2	2	1	1	2	1			1			145	148	3	.16	.031	.03	.5
148	151	3	97	148.0-149.0m intrusive breccia. 149.0-151.0m, pale green, f.gr. aplite vein, & dissem. f.gr. cp. cut by 3-5mm qz vlts & f.gr. dissem cp(<0.5%), also cut by cp-chlorite fracs, some epidote & qz vlts	5bx	5	2	1	1	2	2	1	1	2	1			1			148	151	3	.12	.010		.5
151	154	3		151.0-152.5m pale green, f.gr. mottled aplite vein & mod amt of chlorite & greyish 1mm grains of feldspar set in a greenish-grey siliceous matrix & dissem. cp (<0.5%). 152.5-154.0 m, intrusive breccia, & andesite & chloritic granite rock fragments 1-5cm across. Cut by qz vlts, 3-6mm thick, 10-90° to c.a., & cp, chlorite, epidote. also cp-Mo down planes along fracs.	5bx	7	2	1	1	2	2	2	1	2	1			1			151	154	3	.16	.015		1.0
154	157	3	100	Mottled, pale green to dk green, intrusive breccia, consisting of granite fragments up to 30cm across & dk small meta-volcanic fragments 1-10cm across. Cut by qz vlts, 2-6mm thick, 45-60° to c.a., & dissem moly cp.(<0.5%) cp & [illegible] dissem. throughout breccia.	5bx	14	2	1	1	2	3	2	1	2	1			1			154	157	3	.10	.015	.01	0.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND	Length
Location	Hor. Comp. /Vert. Comp.
Elevation	Bearing
Coordinates N	Begun /Completed
E	Core size /Recovery %

HOLE No. 4
Sheet 11 of 13
Logged by P. Pelc
Sampled by T. Elsinga

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litho'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo	Min. Mt	Graphic	Sample No	Sample From	Sample To	m	Cu	MoS2	Au	Ag
157	160	3	84	Pale green, mottled to dk green/white, intrusive breccia consisting of chloritic granite & dk green f.g. metavolcanic fragments set in pale green, siliceous, aplitic matrix. Dissem f.g. cp pervades entire rock. Cut by Qz vlts, 2-10mm thick, 0-90° c.a., anastomosing & bifurcating, carrying dissem cp.	Sbx	12	2	1	1	2	2	1	1	2	1	1			157	160	3	.13	.012		1.0
160	165	3	96	Pale green, mottled dk green to grey, intrusive breccia consisting of dk green metavolcanic fragments & med gr. chloritic granite fragments set in a green, f.g., siliceous aplite matrix. Breccia pervaded by f.g. dissem Mo & cp (<0.5%). Cut by 2-20mm thick, bifurcating, anastomosing Qz vlts, & dissem Mo & cp.	Sbx	16	2	1	1	2	2	2	1	2	1	1			160	165	3	.14	.012		1.0
165	166	3	95	Dark green to pale green, mottled f.g. aplitic matrix enveloping dk gr. volcanic rock fragments & med gr. chloritic granite fragments. Dissem f.g. cp particles throughout breccia. Cut by anastomosing & branching Qz vlts, 2-30mm thick, 0-90° c.a., carrying dissem cp, py (<0.5%) [illegible]	Sbx	17	2	1	1	2	2	1	2	2	1	1			165	166	3	.12	.017	.07	1.0
166	169	3	93	Dk green, mottled pale green, intrusive breccia, consisting largely of dk green volcanic fragments [illegible]. All cut by anastomosing Qz vlts, 3-30mm thick, carrying f.g. dissem cp & py. Breccia host carries <0.5% dissem cp, py, largely concentrated in chlorite clots. Also cut by epidote-chlorite [illegible] [illegible] Qz vlts.	Sbx	15	2	1	1	2	2	1	2	2	1	1			166	169	3	.15	.009		0.5
169	172	3	103	Dark green, streaked grey, intrusive breccia, intensely [illegible] Qz vein stockwork. Dk green, f.g. volc. rock fragments set in pale green f.g. siliceous matrix. Anastomosing & bifurcating Qz vlts, 2-30mm, & dissem f.g. cp, py in vein & host breccia.	Sbx	19	2	1	1	2	2	1	2	2	1	1			169	172	3	.14	.017		.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N
E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 4
Sheet 12 of 13
Logged by C. Pitt
Sampled by J. Elsinga

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per metre	S	B	K	C	E	Mo	Py	Cp	Ho			L-C	GRAPHIC	SAMPLES No.	SAMPLES From	SAMPLES To	m	Cu	MoS2	Au	Ag
172	175	3	105	Dk green & pale green ē grey streaks intrusive brecciated, breccia consisting of dk green, fn gr. porphyritic fragments set in a pale green siliceous matrix. Cut by anastomosing branching Qz vlts 3–30 mm thick & carrying v.fn.gr. dissem cp & py. Dissem in pale green, soft clay?-carbonate altns.	Sbx	19	2	1	1	2	2	1	2	2	1			1			172	175	3	.41	.011	.04	0.5
175	178	3	97	Dk green to grey, Qz veined intrusive breccia consisting of Qz vlts cutting dk green fn gr. andesitic rock frag's set in a pale green siliceous felsite matrix. Qz + ? veins 3mm–10cm thick carrying v.fn.gr. dissem cp & py, also in host breccia.	Sbx	19	2	1	1	2	2	1	2	2	1			1			175	178	5	.17	.007		1.0
178	181	3	85	Broken interval, missing core between 178.4 – 179.0 m. Intrusive breccia 178 – 179.3 m & 180.2 – 181 m consisting of fragmented Qz vlts & dk gr. volc. fragments set in a pale green felsic matrix. Contains dissem. fn gr cp, py, some cp aggs. 179.3 – 180.2 m, v.fn.gr., dense, green, chloritic vein, breaks ē conchoidal fracture, penetrated breccia, & carrying traces of cp & py	Sbx	6	2	1	1	2	2	1	2	2	1			1			178	181	3	.15	.009		1.0
181	184	3	98	Fragmented Qz veined intrusive breccia consisting of broken Qz vlts, volc rock frag's, felsite frag's cut by pale green, dense, seams of thinly banded chloritic felsite (?), v.fn.gr. cp & py & sp aggs in breccia	Sbx		2	1	1	2	2	1	2	2	1			1			181	184	3	.16	.009	.02	1.5
184	187	3	93	Fragmental breccia consisting of bxtla, Qz vlts, dk green volc & bk fragments, pale green, fn.gr. aplite and granite. Fragments 184.5 – 185.5 m. Cut by chlorite frac's ē dissem cp. Dissem cp in Qz fragments, & also dissem in breccia bxtla (c.5%)	Sbx	2	2	1	1	2	2	1	2	2	1			1			184	187	3	.22	.007		0.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp /Vert Comp
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 4
Sheet 13 of 13
Logged by [illegible]
Sampled by V. [illegible]

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Mr	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
187	190	3	100	Mottled white & green breccia composed of angular frags up to 5cm between qtz veins, mottled volcanics (10%), irregular ... of pale green sericite throughout. Cut by numerous vlts 40° t.c.a. 2% finely dissem cp, both in matrix and vein material. Est .2% Cu	5b.	2	4	1	1	1	2	2	2	2	1			1			187	190	3	.11	.007		0.5
190	193	3		Mottled breccia to 192m, sharp contact 45° t.c.a. c dark green breccia at 192m. Upper unit = pale green sericite-rich breccia ... in qtz. Lower unit = dk green qtz-fsp porphyritic rock c numerous volc. frags and light coloured porphyries; probably all rock types ... ; No qtz vlts. Frags angular, up to 8cm. Conspicuous tabular white fsp phenos in matrix, rounded qtz "eyes" to 1cm. Finely dissem cp ~.5%, rare py. Est .15 Cu	5bx	2	3	1	1	1	2	1	1	2	1			1			190	193	3	.12	.004		.5
193	196.1	3.1		Dark green qtz-fsp porphyry c numerous angular volc frags, rare white porphyry c qz c fsp phenos to 5mm. Mixed lithology intrusive breccia (part of ...) Finely dissem cp throughout matrix, rare py. Frags comprise ~50% of porphyry unit. Est .15% Cu	5bx	0	3	1	1	1	2	1	1	2	1			1			193	196.1	3.1	.08	.003	.01	.5

End of Hole 196.1
Rec = 100.7%

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing
	-90°	–

PROPERTY GAMBIER ISLAND
Location
Elevation 150 m
Coordinates 950 W N / 2405 E

Length 175.7 m
Hor. Comp. / **Vert. Comp.**
Bearing
Begun 24-6-79 / **Completed** 29-6-79
Core size BQ / **Recovery** 96.9%

HOLE No. 5
Sheet 1 of 12
Logged by P.E. Fox
Sampled by J. Elwood

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholy	Veins per foot	Alteration S B K C E	Mineralization Mo Py Cp Bo	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
0	7.3	7.3	–	Overburden													
7.3	9	1.7	100	Mottled grey to pale green qtz-fsp porphyry. Pervasively altered to pale green sericite aggs. Scattered qtz phenos & xenos; occ large blocky fsp phenos. Rock has "brecciated" appearance (cataclastic?). 3% dissem sulphides + fract coatings. cp > py ± mb. Est .25 Cu	5	4	4 1 1 1 1	1 2 3 1 … 1			7.3	9.0	1.7	.30	.031		1.0
9	12	3	100	Mottled grey-green fine grained to aphanitic rock with irregular aggs of pale green sericite. "Brecciated" appearance; 20% pale green aggs of sericite enclosing "frags" of aphanitic rock (vol?). 3% dissem py > cp, locally fract fillings and vlts ~ 40° TCA, up to 3 mm, generally barren of sulphides. Est .3 Cu.	5	5	4 1 1 1 1	2 2 3 1 … 1			9	12	3	.30	.019		2.5
12	15	3	100	Mottled grey-green aphanitic rock – "brecciated" appearance due to irregular aggs of pale green sericite. Numerous hairline fracts filled with sericite common throughout. Qtz vlts to 5mm, 30°-40° TCA. 2% dissem cp + py, locally on fracts. Est Cu = .3	5	3	4 1 1 1 1	2 2 2 1 … 1			12	15	3	.32	.018	.02	1.5
15	18	3	100	Mottled aphanitic volc to 16m, qtz "eye" porphyry + 16m sharp contact ~ 10° TCA. QFP = dark porphyry with 10% large qtz phenos to 10mm, 10% blocky fsp (1cm) fine grained matrix with pale green sericite. 1% dissem cp, rare py, qtz vlts absent in porph unit. Est Cu ~ .1%	5 / QFP @ 16m	0	3 1 1 1 1	1 1 2 1 … 1			15	18	3	.34	.008		2.0
18	21	3	100	Dark greyish green qtz "eye" porph. Homogeneous, no qtz vlts. 1% dissem cp, rare py. Qtz "eyes" to 10mm, blocky fsp phenos more altered to aggs of chlorite-sericite. Trace cp. Est Cu – .10%	QFP / 5	0	3 1 1 2 2	1 2 2 1 … 1			18	21	3	.04	.002		0.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND	Length	HOLE No. 5	
Location	Hor. Comp. / Vert Comp.	Sheet 2 of 12	
Elevation	Bearing	Logged by [illegible]	
Coordinates N / E	Begun / Completed	Sampled by [illegible]	
	Core size / Recovery %		

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per Foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo	½	Graphic	Samples No	Samples From	Samples To	m	Cu	MoS2	Au	Ag
21	24	3	100	Best greenish grey qtz 'ex' porph. 15% large qtz phenos up to 12mm, 5% blocky fsp; fine grained [illegible] chlorite-sericite [illegible] of [illegible] grains [illegible] qtz [illegible] 1% finely dissem cp; [illegible] py [illegible] visible [illegible] Est. Cu = .1%	5	0	2	1	1	2	1	2	2	2	1	1			21	24	3	.06	<.01	.02	1.0
24	27	3	100	Greyish green qtz 'ex' porphyry to 26.5 [illegible] grey QFP @ 20° [illegible] chilled contact [illegible] wide, dyke cuts qtz veins [illegible] qtz porph. large qtz phenos to [illegible] in upper unit; 2% "corroded" qtz phenos in lower unit [illegible] irregular patches of [illegible] biotite [illegible] after mafics). dissem. cp & py in lower unit. Upper porphyry [illegible] in part. Est Cu ≈ .1% [illegible] porph. [illegible] contains [illegible] magnetite	5	<1 / 2	2 / 1	1 / 2	1 / 1	1 / 1	2 / 2	2 / 2	2 / 2	2 / 2	1 / 1	1 / 2			24	27	3	.09	.002		1.5
27	30	3	100	Greyish green "crowded" QFP 30% [illegible] qtz phenos to 5mm, 15% mafic patches - [illegible] magnetite. Qtz. vn @ 90° - 5" [illegible] up to [illegible], largely barren 2% dissem cp & py, [illegible] to 2mm Est Cu .45%, locally >.5%	5 crowded QFP	5	2	3	1	1	2	2	2	3	1	2			27	30	3	.52	.004		5.0
30	33	3	100	Crowded qtz porphyry [illegible] mafic grains. Cut by narrow QFP dyke 31.0 - 31.4; sharp contacts 10° [illegible] 20% qtz [illegible] (5mm), 10% blocky fsp, 20% altered mafic grains. 3% dissem cp, [illegible] on fracs. Qtz vlts up to [illegible] - barren. Est Cu [illegible] .3%	QFP 5	7	2	2	1	1	1	2	2	3	1	1			30	33	3	.28	.005	.02	1.5
33	36	3	94	Mottled green 'crowded' qtz porph [illegible] qtz phenos 20-30% [illegible] 40%, 5mm, rounded 10% blocky fsp. [illegible] - qtz, fsp, sericite [illegible] [illegible] pseudos of sericite-biotite [illegible] 2% dissem cp Est .3% Cu	QFP 5	5	2	2	1	2	1	2	2	3	1	1			33	36	3	.15	.004		1.0

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar		

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 3
Sheet 3 of 12
Logged by P.F.
Sampled by T. E.

Footage From	Footage To	Recov'y Run	Recov'y Core %	Description	Litholo'y	Veins per m	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo	%	Graphic	Samples No	Samples From	Samples To	m	Cu	MoS2	Au	Ag
36	39	3	100	Mottled green QFP homogeneous w/ 1-4 grains, crowded qtz 'eyes' to 5mm, 25% blocky fsp phenos 10% irregular mafic grains (2-4%) + ser + biot + chl. Qtz vlts 60° & 40° TCA, trace moly & cp but generally barren. 1-2% dissem cp throughout. Est .25% Cu	Crowded QFP 5	4	2	2	1	1	1	2	2	3	1	1			36	39	3	.17	.004		1.0
39	42	3	100	Mottled green locally white crowded QFP. Qtz vlts 50° & 60° TCA, barren. 2% dissem cp, locally with py throughout. Mafic patches = ser + biot + chl, 2-4%. 30% crowded qtz phenos. Est .25% Cu	5	5	2	2	1	1	1	2	2	2	1	1			39	42	3	.06	.007	.03	0.5
42	45	3	100	Mottled greyish green 'crowded' qtz-fsp porphyry, 30% rounded qtz phenos to 3mm, 25% irregular to tabular (altered) fsp, altered mafic grains = ser + chl + bio. Qtz vlts 3mm, locally 2 cm, 40° to 60° TCA, barren. 1-2% dissem cp + py. Est .25 Cu	5	6	2	1	1	1	1	2	2	2	1	1			42	45	3	.12	.015		.5
45	48	3	80	Core loss @ 48m - gouge zone? Mottled grey-green 'crowded' qtz porphyry, 1-5mm qtz vlts 45° TCA. 20% qtz phenos to 5mm, 10% altered mafic grains = sericite + chl. 2% dissem cp, + py. Est .35% Cu	5	6	2	1	1	1	1	2	2	3	1	1			45	48	3	.07	.071		.5
48	51	3	97	Mottled greyish green crowded qtz porphyry - 30% rounded qtz phenos (5mm), also blocky + fsp (?) phenos, mafic [illegible] (sericite), cp in matrix. <1% dissem py, moly. Est .18 Cu	5	7	2	1	1	2	1	2	2	2	1	1			48	51	3	.12	.005	.12	.5
51	54	3	100	Crowded qtz porphyry to 53.4, below qtz porphyry @ 53.4m. Contact not visible ~ 45° TCA. Lower porphyry = 15% large qtz 'eyes' to 10mm set in a black fg matrix = [illegible] of qtz vlts. 2% dissem cp [illegible] & stringers. Qtz vlts in upper crowded porph. largely barren. Est .3% Cu	5	3	2	1	1	1	2	2	2	3	1	1			51	54	3	.10	.063		1.0

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar		

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp /Vert Comp
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 5
Sheet 9 of 12
Logged by P. E. Fox
Sampled by J. ELSINGA

Footage From	Footage To	Recov'y Run	Recov'y Core %	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Mt	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
54	57	3	100	Homogeneous qtz 'eye' porphyry c [illegible] qtz-ep vn @ 56.2m. 15% [illegible] qtz phenos to 10mm, 10% blocky fsp altered to sericite, 2-3% chlor. mafic grains, dark green f.g. matrix. 1-2% dissem py only. Est .05% Cu	QFP 5	0	2	1	1	2	2	1	2	2	1			1			54	57	3	.05	.002	.02	1.0
57	60	3	100	F.g. to m. grained QFP c qtz phenos large & conspicuous up to 10mm. Phenos set in mafic-rich f.grained matrix. 10% blocky fsp phenos altered to ser. Mafic grains largely chl. 4% dissem cp = py, local cp + ep [illegible] @ 58m. Est .1% Cu	5	0	2	1	1	2	2	2	2	2	1			1			57	60	3	.12	.002		0.5
60	63	3	100	Dark, hornfelsic qtz-fsp porph c 1% dissem cp, = py. Qtz 'eyes' up to 10mm, tabular altered plag phenos (10%). Mafic-rich f.g. matrix, [illegible] chlorite after primary grains. Est .2% Cu	5	0	2	1	1	2	1	2	2	2	1			1			60	63	3	.03	.002		.5
63	66	3	100	Dark QFP to 64.5, intrusive bx @ 64.5m. Breccia consists of angular vol. frags (up to 8cm) in QFP matrix. Bx largely frags ~80%, mixed lith: variety of vol. frags, occ qtz pheno, qtz vns. 1-5% dissem cp, = py. Est .2% Cu	5	0	2	1	1	2	1	2	2	2	1			1			63	66	3	.06	.005	.01	1.0
66	69	3	100	QFP to 67.2, mixed lith breccia. Breccia consists of compact angular frags: vol's, qtz vns, qtz phenos, qtz porph frags. Fractured qtz vlts common. Frag size <5cm. 1-2% dissem sulphides generally in matrix material enclosing frags. Est grade ~ .3% Cu	5	0	2	1	1	2	1	2	2	3	1			1			66	69	3	.09	.006		.5
69	72	3	100	Mixed lith breccia; predom. vol. frags, occ qtz porph frags enclosed by [illegible] matrix of milled frags - intrusive breccia (?). Fractured & broken qtz vlt common, occ qtz phenos. Matrix material largely chl. 2% dissem cp: [illegible], occ [illegible] fsp. Est .35 Cu	5	0	1	1	1	3	1	2	2	3	1			1			69	72	3	.20	.012		1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp /Vert Comp
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 5
Sheet 5 of 12
Logged by P. F. Fox
Sampled by J. Ecsunga

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y % Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bn	M/C	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
72	75	3	100	Medium grained, equigranular, altered granite, dark, brecciated appearance. 5% py, bio, 10% qtz, 10% chl. Mottled. Irregular qtz vlts up to 1 cm, generally barren, 45° to CA. May in part be cataclastic - has slickensides & smeared @ 45° to CA. 2% dissem cp, tr mb. Est. .2%	5	4	1	1	1	2	1	2	2	3	1	1			72	75	3	.26	.020	<.01	1.5
75	78	3	100	Crackled QFP & distinct qtz phenos ... & subangular ... "crackled" QFP ... tabular mafic grains = chl type, others & ... 10-20% ... phenos. Qtz vlts up to 1 cm, 50° to CA. 2% sulphides, cp ≥ py. Est. .25% Cu	5	4	1	1	1	2	1	1	1	3	1	1			75	78	3	.33	.014		2.0
78	81	3	87	Broken, friable QFP, core loss @ 79 m. Altered QFP; 2-3% chlorite mafic grains, occ qtz phenos. 2% sulphides mostly cp ≥ py. Less MO. Est. .40% Cu	5	5	1	1	1	3	1	2	4	3	1	1			78	81	3	.42	.016		2.0
81	84	3	100	Sheared & fractured QFP, qtz vlts broken, ... @ 83 60° to CA. Rock generally cataclastic. 2% dissem cp, ≥ py. Occ cp blebs in qtz vlt. Est. .45% Cu	5	4	1	1	1	3	2	1	2	4	1	1			81	84	3	.42	.015	.03	2.5
84	87	3	96	Mottled QFP, subangular, occ qtz phenos to 3 mm, 20% irregular mafic aggs ≈ chl-ser. 2% dissem cp mainly in mafic aggs. Qtz vlts up to 5 mm, 30-40° to CA. Est. Cu grade - .3%	5	6	2	1	1	2	1	1	2	3	1	1			84	87	3	.12	.015		1.0
87	90	3	100	Mottled QFP, subangular, 10% qtz phenos - reddish c. 20% irregular aggs of sericite. Qtz vlts up to 5 mm, ~60° to CA. 2% dissem cp variable, ≥ py. Est. .25% Cu	5	5	2	1	1	2	1	1	2	3	1	1			87	90	3	.22	.011		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 5
Sheet 6 of 12
Logged by P.R.[illegible]
Sampled by J. ELGINGA

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per ~~FOOT~~ metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bn			Hc	GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
90	93	3	95	Mottled, grey-green, QFP, subporphyritic c̄ irregular clots or blebs of milky Qz-chlorite-epidote-dissem. and gr. sulphide set in a uniform fn-gr. siliceous matrix (Equivalent to the mottled, siliceous andesite rock unit of DDH#3 in appearance.) Cut by Qz vlts, 3-15mm thick, 0-90° a.c.a. carrying v.fn-gr. dissem. cp. Also cut by chlorite-carb fracs ~45° a.c.a. Agglomerate(?) @ 92.9m.	5	9	1	1	1	3	2	1	2	2	1			1			90	93	3	.28	.015	.01	2.0
93	96	3	103	Mottled, grey-green, fn-gr. QFP (silicified, subunit of DDH3) Cut by Qz vlts, 3-20mm thick, 0-90° a.c.A. carrying traces of cp & py. Also cut by late carb fracs, ~45° a.c.A., ~1-2mm thick. QFP host carries v.fn-gr. dissem. py & sp, & v.f. & coarser cp (<0.5%).	5	9	1	1	1	2	2	1	2	2	1			1			93	96	3	.18	.012		1.0
96	99	3	97	Dk grey-green, fn-gr., mottled QFP c̄ patches of dk green chlorite, & milky Qz aggregations, 1-5mm across. Cut by numerous, hairline, chlorite-carb fracs & Qz vlts 3-10mm thick, 60-45° a.c.a., locally broken. Cut by Qz-ep-carb-chlorite shear @ 97.5-98.1m, ~50° a.c.a.	5	6	1	1	1	3	2	1	2	2	1			1			96	99	3	.25	.012		1.5
99	102	3	98	Mottled, dk grey-green, subporphyritic QFP c̄ patches of milky Qz-chlorite-epidote interspersed throughout. Cut by Qz vlts, 2-35mm thick, 90-45° a.c.a., carrying seams of cp, py, & chlorite [illegible] & fn-gr. dissem. cp & py. Also cut by carb & chlorite fracs. QFP host carries dissem. blebs of cp, & v.fn-gr. cp-py [illegible]	5	9	1	1	1	3	2	2	2	2	1			1			99	102	3	.26	.012	.01	2.5
102	105	3	93	Mottled, grey-green, fn-gr. QFP, subporphyritic, c̄ patches of milky Qz-chlorite & epidote-cp. Cut by Qz vlts, 2-25mm thick, 10-90° a.c.a. carrying <0.2% cp, py & Mo. QFP host carries cp & [illegible] py-cp. [illegible]	5	9	1	1	1	3	2	2	2	2	1			1			102	105	3	.22	.012		2.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 5
Sheet 7 of 12
Logged by R.R.K.
Sampled by J. ELSINGA

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT
105	108	3	105	Mottled, grey-green, fn gr., subporphyritic QFP ē milky qz-chlorite-epidote clots. Cut by 'white-cutting' qz vlts 2-80 mm thick, 90-0° t.c.A., carrying v.fn-gr. cp, py ± Mo (<0.5%). Also cut by carbonate frac fills up to 5mm thick ~40° t.c.A., & hairline chlorite fracs. QFP host carries med gr. cp aggs, & v.fn gr. dissem cp, py	.5	7
108	111	3	97	Mottled, dk grey-green, fn gr., subporphyritic QFP, ē milky qz-cp-chlorite clots. Cut by qz vlts, 3-20mm thick, 90-10° t.c.A., mostly ~35° t.c.A., some ē medial cp-chlorite, others ē v.fn gr. dissem py, cp. QFP host carries v.fn gr. cp-py & cp aggs. Cut by epidote fracs, & epidote-chlorite shears.	.5	12
111	114	3	105	Mottled, grey-green, fn gr., subporphyritic QFP ē milky qz-chlorite-cp clots. Cut by qz vlts, 2-10mm thick, 30-40° t.c.A., carrying v.fn gr cp-py, & coarser cp-chlor. aggs. Also cut by chlorite-epidote fracs & albite fracs. QFP host carries v.fn gr. cp, py, & cp-chlor aggs.	.5	7
114	117	3	100	Dk grey-green, fn gr., subporphyritic QFP ē occ. clots of chlor-cp-milky qz. Cut by qz vlts, 3-15mm thick, 90-45° t.c.A. carrying fn gr. dissem cp, ± py ± Mo (<0.5%). Also cut by carbonate fracs up to 3mm. 114.30-114.5m, chlorite-epidote shear	.5	8
117	120	3	100	Dk grey-green, fn gr., subporphyritic QFP. Cut by qz vlts, 2-6mm thick, 90-30° t.c.A. carrying fn gr. cp & py (≤0.5%). QFP host carries dissem cp & py in frac. patches. Qz vlts, plus cut by cp-py-chlorite fracs, ~1mm, ~20° t.c.A.	.5	7

FOOTAGE From	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Kp	Bu				GRAPHIC
105	1	1	1	3	2	2	2	3	1			1	
108	1	1	1	3	2	1	2	3	1			1	
111	1	1	1	3	2	1	2	3	1			1	
114	1	1	1	3	2	2	2	3	1			1	
117	1	1	1	3	2	1	2	2	1			1	

SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
	105	108	3	.24	.011		2.5
	108	111	3	.35	.011	.01	3.0
	111	114	3	.31	.016		2.5
	114	117	3	.45	.010		1.5
	117	120	3	.29	.013	.01	2.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 5
Sheet 8 of 12
Logged by F. Fe[illegible]
Sampled by J. ELSTAKA

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Hd	Graphic	Sample No.	Sample From	Sample To	m	Cu	MoS_2	Au	Ag
120	123	3	98	mottled, grey-green, f.n.-gr. subporphyritic QFP(?) patches of milky qtz + flor-tine-epidote-cp throughout. Cut by Qz vlts, 3-15mm thick, 20-40° ∠CA, carrying v.f.gr. dissem py + cp, & cp-chlorite blebs & salvages. QFP host carrys dissem cp, py (≤0.1%) also cut by epidote shears	5	13	1	1	1	3	2	1	2	2	1			1			120	123	3	.31	.010		2.5
						13	2	1	1	3	2	1	2	2	1			1									
123	126	3	98	mottled, grey-green, f.n.-gr. sub-porphyritic QFP (possibly Qz stockwork in a chloritic granite cut by finer gr. felsites, slow chlorite) Qz vlts, 1-10mm, 20-30° ∠CA, some c v.f.gr. dissem cp (≤1%), some barren vlts, many branch. Also cut by cp seams, ≤2mm thick ~90° C.A. QFP host carrys v.f.gr. dissem cp & py seams also, long slender prisms c silver luster possibly sericitic feldspar[illegible] chlorite-ep fracs	5																123	126	3	.27	.013	.01	2.0
126	129	3	99	Dk grey-green, mottled, f.n.-gr. sub-porphyritic QFP. Cut by Qz vlts 3-10mm thick, 20-70° ∠CA, some carry v.f.gr. dissem cp ± py, others are barren. Also cut by epidote shears usually along Qz vns, carbonate fract. Gouge zone 127.8-128.5m	5	11	1	1	1	3	2	1	2	2	1			1			126	129	3	.39	.012		2.5
129	132	3	99	Mottled, grey-green, f.n.-gr., sub-porphyritic QFP, c patches of milky qtz-chlor-ep. Cut by hairline epidote fracs, Qz vlts, 5-20mm thick, 30-90° ∠CA, some c v.f.gr. dissem cp py others barren. QFP host carrys cp clots ≤2mm across (≤0.5%). 129.9-130.6m Dk green, f.n.-gr., massive granitic dyke, consisting of epidote, altered feldspar, qtz blebs, chloritic matrix. Cut by cp-chlorite fracs.	5	7	1	1	1	3	2	1	2	3	1			1			129	132	3	.35	.008		2.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY: GAMBIER ISLAND
Location:
Elevation:
Coordinates: N / E

Length:
Hor. Comp / Vert Comp
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 5
Sheet 9 of 12
Logged by: P. B[illegible]
Sampled by: J. Elsinga

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. bn			[illegible]	Graphic	Sample No	Sample From	Sample To	m	Cu	MoS_2	Au	Ag
132	135	3	101	Dk green, f.gr., mottled, sub-porphyritic QEP, carrying 1-2mm [illegible] cp, [illegible], & v.f.gr. dissem. cp. Cut by Qz vlts 1-20 mm thick, 70-80° ACA, carrying v.f.gr. dissem. py & cp aggs. (≤0.5%). 132.6-132.7m epidote-filled white-Qz-chlor.-carb. zone.	.5	6	1	1	1	3	2	1	2	2	1			1			132	135	3	.27	.008		3.0
135	138	3	102	mottled, dk green-grey, f.gr., sub-porphyritic QEP carrying 1mm cp blebs, dissem. f.gr. py & cp. Cut by Qz vlts, 2-15mm thick, 10-80° ACA, carrying f.gr. py, scat. cp - chlor. [illegible]. Also cut by chlorite-carb fracs. c smeared cp	.5	7	1	1	1	3	2	1	2	2	1			1			135	138	3	.31	.009		2.0
138	141	3	95	Shattered interval, c gouge @ 140.0-140.6m. Dk grey-green, mottled, chloritic QEP carrying cp aggs (1mm), & v.f.gr. dissem. py & cp. Cut by Qz vlts, 5-25mm thick, carrying f.gr. dissem. cp, py (<1%). Also cut by epidote-carb shears, 45° ACA. cp>py	.5	5	1	1	1	3	2	1	2	2	1			1			138	141	3	.30	.011		2.0
141	144	3	100	Gouge 141.0-141.7m, mottled, grey-green, sub-porphyritic QEP carrying cp aggs & v.f.gr. py. Cut by Qz vlts, 3-30mm thick, 60-30° ACA, carrying traces of cp=py. Cut by numerous hairline chlorite-carbonate fracs, c pale green mineral(?) in gouge zone	.5	6	2	1	1	3	2	1	2	2	1			1			141	144	3	.27	.012		2.0
144	147	3	99	mottled, greyish-green, sub-porphyritic QEP. 145.45-149.90m well developed "Qz-eye" porphyry, carrying cp aggs, & v.f.gr. dissem. cp py. Cut by Qz vlts 3-30mm thick 70-45° ACA, carrying v.f.gr. dissem. cp, py & traces mt. Epidote-carbonate shears @ 145.1-145.4 m. Cp > py (<0.5%)	.5	9	1	1	1	3	2	2	2	3	1			1			144	147	3	.19	.011		1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 5
Sheet 10 of 12
Logged by C. Peto
Sampled by J. Eisinga

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Min. (?)	Graphic	Sample No.	Sample From	Sample To	m	Cu	MoS2	Au	Ag
147	150	3	93	147.0 - 148 m Green-gray, mottled, QFP, with dk chlorite-epidote clots. Cut by Qz vlts, ~5 mm thick, @ 30° to C.A., densely [illegible] with trace cp, py. QFP host clasts. Cp aggs along clasts in chlorite clots. 147.3-147.65 m pale green, siliceous, cataclastic zone(?), unmineralized. 148.0-150 m, dk green, massive, fn-gr., equigranular, chloritic "dyke"(?) consisting of altered feldspar, epidote, & ovoid fel-gr. rock fragments. Cut by carbonate fracs & epidote [illegible] ~45° to C.A., unmineralized.	5		1	1	1	3	2	1	1	1	1			1			147	150	3	·01	·03		1.0
150	153	3	100	150.2 - 150.5 zone of Qz vlts, chlorite-carbonate fracs, dissem cp & py aggs. 150.0 - 153, dk green, fn-gr. equigranular, massive "dolerite(?)", strongly altered to epidote @ 151.5 - 151.8 m. Cut by epidote fracs, 1 mm thick, @ 80° C.A., & epidote seams 5 mm thick ~45° C.A., unmineralized. Local magnetism due to relict alt.	5, 6	1	1	1	1	4	5	1	1	2	1			2			150	153	3	·05	·02		1.0
153	156	3	103	Dk green, fn gr., massive to subporphyritic, chlorite-epidote-rich "dolerite(?)" or trap dyke. Cut by epidote fracs ~1 mm thick, ~65° C.A., unmineralized.	6	0	1	1	1	4	3	1	1	1	1			2			153	156	3	·01	·001		1.0
156	159	3	95	Dk green, fn gr., massive, equigranular to porphyritic (157.0 - 159 m) "trap" dyke with 1-2 mm epidotized feldspar phenocrysts set in a dk chloritic matrix. 156 - 157 m, cut by Qz vein belts, 3 to 17 cm thick, containing cp aggs & trace py, [illegible] by chlorite [illegible]. Trap is unmineralized but cut by white carbonate & yellow-green epidote fracs.	6	4	1	1	1	4	3	1	2	3	1			2			156	159	3	·08	·02		1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing	
PROPERTY GAMBIER ISLAND		Length	HOLE No. 5
Location		Hor. Comp. /Vert Comp.	Sheet 11 of 12
Elevation		Bearing	Logged by P. Picto
Coordinates	N / E	Begun /Completed	Sampled by J. Elsinga
		Core size /Recovery %	

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Ba		sf	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
159	162	3	103	Dk green speckled yellow-green, f-m gr porphyritic epidote-rich QZ feldspar porphyry, consisting of 1-2mm feld pseudophenocrysts altered to epidote, set in a dk green chloritic matrix. Contains lt. to gr. inclusions, 1-6 cm across, of "Bap" dyke (?). Cut by numerous epidote fracs ~1mm thick, 40-80° a C.A. Unmineralized, locally magnetic	6	0	1	1	1	3	3	1	1	1	1		2			159	162	3	.01	.001		1.5
162	165	3	100	yellow-green, speckled, med to f.gr. porphyritic epidote-rich granite or QFP. Consist of epidote pseudomorphs after feldspar phenocrysts, 1-2mm across Q2 eyes, ~1mm across, set in a albite epidote matrix. Contains f.gr. gray, epidote-free inclusions probably "bap". Cut by numerous epidote fracs ~1mm thick, 40-60° a C.A.	6	0	1	1	1	3	3	1	1	1	1		1			162	165	3	.01	.001		1.0
165	168	3	100	yellow-green, speckled dk green, f-med gr. porphyritic epidote-rich QFP, as above, c dk green f.gr., subangular to rounded inclusions, 1-4cm across. Cut by epidote fracs, ~1mm thick 90-30° a C.A. Nonmagnetic, unmineralized.	6	0	1	1	1	3	3	1	1	1	1		1			165	168	3	.01	.002		1.0
168	171	3	100	pale yellow green, c dk green spots, fine-med gr. subporphyritic, epidote-rich QF porphyry or granite. As above, carries dk gr-een fn.gr. ovoid inclusions. Cut by epidote fracs & shears ~20° a C.A., c minor carbonate fracs. Some fracs have deep red sphalerite <0.1%. Also cut by albite fracs ~45° a C.A.	6	0	1	1	1	3	3	1	1	1	1		1			168	171	3	.01	.001		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 5
Sheet 12 of 12
Logged by E. Pate
Sampled by T. ELSINGA

FOOTAGE From	To	RECOV'Y Run	Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo		Au	GRAPHIC
171	174	3	95	Pale, yellow-green speckled, fg-gr, sub-porphyritic QFP or epidote-rich granite. Contains dk green, fg-gr, inclusions, 0.5-1 cm across. Cut by qz-epidote fract's, ½-1 mm thick, 90-20° to C.A. Conspicuous qz-eyes, <1 mm across. Also, v. fg-gr py in chlorite clots. Unmineralized.	6		1	1	1	3	4	1	2	1	1		1	
174	175½	1.7	116	Pale yellow green mottled, epidote-rich QFP c.f. "grayes" 1. epidote pseudomorphs after feldspar or ½-1 mm across set in dk green matrix (≈ 20%). Contains dk green, fg-gr, mafic inclusions 0.5 cm to 64 cm across. Cut by epidote-qz fract's, ½ mm thick @ 80-30° to C.A. Contains traces galena-sphalerite in fract zones, & metallic smears. Unmineralized host.	6		1	1	1	3	4	1	1	1	1		1	
				END OF HOLE														
				NOTE: EPIDOTE RICH QFP appears to gradually grade into dk green chloritic, fg porphyritic "trap."														

SAMPLES No.	From	To	m.	ASSAYS Cu	MoS₂	Au	Ag
	171	174	3	.01	.01		.5
	174	175½	1.7	.01	.01		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing
	90°	

PROPERTY	GAMBIER ISLAND
Location	
Elevation	110 m
Coordinates	760 W N / 160 S E
Length	197.2 meters
Hor. Comp. / Vert. Comp.	
Bearing	
Begun / Completed	5-7-1979 / 16-7-79
Core size / Recovery	BQ / 95.6 %
HOLE No.	6
Sheet	1 of 14
Logged by	C.A.Ec
Sampled by	J. Esmith

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			M	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS₂	Au	Ag
0	8.4			OVERBURDEN																							
9	12	3	66	Dk green, mottled intrusive Bx ("spotted Bx") c̄ dk green chloritic Bx fragments set in a v.f.gr. siliceous chloritic matrix. Cut by Qz vlts, 2-25mm thick, 10-40° to C.A., carrying v.f.gr. dissem cp + py. Also cut by numerous chlorite-carbonate fracs ± py, cp, & epidote - Qz - py stringers. Chloritic matrix carrys v.f.gr. dissem cp + py.	2a	8	1	1	1	4	2	1	2	3	1			1			9	12	3	0.21	0.013		2.5
12	15	3	57	Missing core, shattered interval. Dk green, mottled, f.gr. chloritic altered "intrusive diabase?" cut by numerous chlorite ± cp fractures, & Qz vlts 2-40mm thick, 10-45° to C.A. carrying v.f.gr. dissem cp. Host carrys v.f.gr. dissem cp ± py grains.	2a	9	1	1	1	4	2	1	2	3	1			1			12	15	3	.21	.012		2.0
15	18	3	104	Mottled, Dk green, highly fractured chloritic spotted Bx consisting of dk green angular, chloritic fragments c̄ ep & cp, set in a siliceous, l.f.gr. green matrix c̄ v.f.gr. dissem cp. Cut by numerous, irregular 5mm hairline Qz-epidote fracs & slivers, also cut by black chlorite-carbonate-cp fracs, & gray Qz vlts, 2-10mm thick. Some of which are fragmented along fractures. Host Bx cut by 5mm cp fracs, also local aggs of cp & v.f.gr. dissem cp + py in light brown v.f.gr. secondary hematite?.	2a	6	1	1	1	4	2	1	2	3	1			1			15	18	3	.40	.012		2.5
18	21	3	102	Mottled dk green, v.f.gr. chloritic, spotted Bx consisting of dk green angular chloritic fragments set in a lighter green v.f.gr. siliceous matrix. Cut by numerous bifurcating milky Qz vlts, 3-20mm thick carrying widely spaced f.gr. cp aggs. Also cut by chlorite-carb ± cp fracs. Chloritic matrix carrys v.f.gr. dissem cp & py cubes. Some v.f.gr. prismatic actinolite (chlorite?). 18.2-18.8m - C. Porphyry dyke	2a	13	1	1	1	4	2	1	2	3	1			1			18	21	3	.26	.009		2.0

DRILL HOLE RECORD
Gambier Project

Collar / Inclination / Bearing			
PROPERTY GAMBIER ISLAND	Length		HOLE No. 6
Location	Hor. Comp. / Vert Comp.		Sheet 2 of 14
Elevation	Bearing		Logged by [illegible]
Coordinates N / E	Begun / Completed		Sampled by [illegible]
	Core size / Recovery %		

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	S	B	K	C	E	Mo	Py	Cp	Bo			[illegible]	GRAPHIC	SAMPLES No	From	To	m	Cu	MoS2	Au	Ag
21	24	3	95	Dk green, fn-gr., uniform, chloritic rock c̄ occ. albite-epidote clots. Cut by Qz vlts, 3-10mm thick, ~90° C.A., carrying fn-gr. dissem cp. Also cut by chlorite-carb fracs 40-60° C.A. & Qz-epidote shears @ 23.8m. Host rock carrys dissem py & cp. Local [illegible] in Qz vlts.	2a	7	1	1	1	4	2	1	2	3	1			2			21	24	3	.33	.011		2.0
24	27	3	103	Dk green, mottled, silic gr., fn-gr., uniform to Bx chloritic rock. Cut by Qz vlts, 2-20mm thick, 30-45° C.A., carrying cp as dissem. py, chlorite cp. Cut by chlorite fracs c̄ py & cp. & host carrys dissem cp & py < 0.5%. Qz porphyry vein 10cm, 45° C.A. @ 26m.	2a	8	1	1	1	4	2	1	3	2	1			1			24	27	3	.28	.016		1.0
27	30	3	95	Mottled, dk gr., fn-gr., siliceous chlorite-epidote rock c̄ milky Qz clots. Cut by numerous chlorite-carb ± py; Qz vlts, 2-10mm thick, ~40° C.A. carrying py ± cp c̄ epidote. Cp also occurs as dissem. aggs along epidote-rich shears & as v. fn-gr. specks in chloritic host. Q-porphyry 27.6-27.9m. Also cut by white carbonate fracs ~2mm, 80° C.A., & epidote shears 2-5mm 50° C.A. Local [illegible] along fracs.	2a	6	1	1	1	4	3	1	3	3	1			2			27	30	3	.16	.012		1.0
30	33	3	83	Missing core between 30.8-32.6 m. Mottled, dk green to pale green, spotted Bx c̄ chloritic fragments set in a siliceous albite matrix. Pale green, fn-gr., slightly fractured Qz porphyry from 31-32.6m carrying [illegible] along fracs & dissem. cp. occs in host. Also cut by Qz vlts 2-3mm across c̄ dissem cp ± py. Slickensided chlor fracs ~45° C.A., host carrys dissem fn-gr. cp ± py. Est grade 0.25%.	2a	5	1	1	1	4	2	2	2	3	1			1			30	33	3	.20	.011		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 6
Sheet 5 of 14
Logged by C. R. b.
Sampled by J. Lesing A

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT (metre)	ALTERATION S	ALTERATION B	ALTERATION K	ALTERATION C	ALTERATION E	MINERALIZATION Mo	MINERALIZATION Py	MINERALIZATION Cp	MINERALIZATION Bo				GRAPHIC	SAMPLES No.	SAMPLES From	SAMPLES To	SAMPLES m	ASSAYS Cu	ASSAYS MoS2	ASSAYS Au	ASSAYS Ag
33	36	3	95	Broken interval & missing core 34.5-35 m. Mottled dk green, fn gr. altered chloritic rock, c epidote specks & siliceous patches. Cut by occ. Qz vlts, 2-4 mm thick, 40-70° ∧ C.A. carrying sp. aggs. Also cut by smooth chlor. fracs ~ 40 ∧ C.A. that carrys vfn. gr. py & cp. Est. Grade 0.2	2a	5	1	1	1	4	2	1	2	2	1			1			33	36	3	·21	·011		1·5
36	39	3	100	Dk green, mottled, fn gr. chloritic rock c siliceous patches, chlorite-epidote patches. Shear zone 36.3-36.5 m, foliae ~ 40° ∧ C.A. c sericite-epidote-carbonate alteration. Cut by Qz vlts 2-5 mm thick, 45-80° ∧ C.A. carrying dissem cp & Mo specks. Also cut by smooth chlorite-carb fracs. Development of sericite-dk brown biotite assoc. c vfn. gr dissem py, cp & Mo. Est. Grade Cu 0.? %	2a	6	2	2	1	4	2	2	2	2	1			1			36	39	3	·26	·017		1·5
39	42	3	100	Mottled grey-green, med to fn gr., spotted Bx consisting of 1-4 cm fragments consisting of chlorite-epidote-quartz-biotite(?) sep. set in a v. fn gr. pale green siliceous matrix carrying dissem cp. & occ. py. Cut by Qz vlts, 2-20 mm thick, 88-50° ∧ C.A., carrying dissem py & cp. Also cut by smooth chlorite fracs c smeared cp. & chlorite-sericite shears c traces of Mo. Est. Grade 0.4% Cu. Occ. splashes cp.	2a	4	2	2	1	4	2	2	2	3	1			1			39	42	3	·27	·05		1·0
42	45	3	95	Ground core 42.7-43.0 m. Fractured interval c chlorite-carb. fracs 60-45° ∧ C.A. smooth surfaces. Cut by Qz vlts, 2-4 mm thick, ~45° ∧ C.A. carrying traces of Mo, & by epidote-Qz-Bo fills, 2-4 mm, 80-90° ∧ C.A., c cp & py aggs, ~2/m. Dk green to pale green, siliceous Bx c chloritic frags that carrys v. fn gr. dissem py & cp. Est. Gr. 0.3% Cu.	2a	4	2	2	1	4	2	2	2	3	1			1			42	45	3	·26	·016		1·0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 6
Sheet 4 of 14
Logged by R. Ato
Sampled by J. Leswick

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per m	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo				GRAPHIC
45	48	3	98	Pale green to dk green mottled, fn gr, "spotted" Bx of altered chlo-rite felsite & chlorite-epidote-mtx. Qz clots & fn gr diss py/cp. Cut by Qz vlts, ~45° to c.a., & diss bo gr cp, py, trace mo. Also cut by smooth chlorite-slick fracs. to 40° c.a. Tk brown secondary biotite @ 48m. Q-porphyry vein 45.3-46.7 m. Host carrys v. fn gr diss py, cp & mo	2a	7	1	2	1	3	2	2	2	3	1			1	
48	51	3	113	Mottled, grey-green, fn gr. "intrusive" Bx consisting of chlorite-epidote-qz-py clots 0.5-3cm across set in a fn gr pale green siliceous matrix. 50-50.2m Q-porphyry vein & 45° c.a. & sheared 49.7-49.9m, sericitic shear. Cut by Qz vlts, 2-5mm thick, 30-40° c.a., carrying v fn gr diss Mo, cp & py. Also cut by smooth chlorite fracs & cp smears. Host carrys v fn gr diss cp & py. Est Cu grade 0.35%	2a	7	2	1	1	3	2	2	2	3	1			1	
51	54	3	100	Lost core 51.2-52.2 m. Dk green mottled, fn gr. altered siliceous rock & clots of chlorite-epidote-qtz & cp aggs. diss locally. Cut by smooth chlorite-carb fracs & py-cp smears. Cut by Qz vlts, 2-10mm thick, 45-60° c.A., carrying med gr. specks of py & cp, chlorite selvages. Host rock carrys v fn gr cp & py. Est grade 0.35 % Cu. Secondary biotite 53-54m.	2a	8	1	2	1	3	2	1	2	3	1			1	
54	57	3	100	Mottled, green-grey, fn grey "intrusive" Bx & 1-2 cm spots of chlorite-epidote-qz-sulphides. Cut by qz vlts, 2-5mm thick, ~45° c.a., carrying cp & py aggs, some & med. chlorite & py. Cut by chlorite fracs & cp smears. Host carrys v fn gr diss cp & py. Est grade Cu 0.4%	2a	5	1	2	1	3	2	1	2	3	1			1	

SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
	45	48	3	.35	.012		1.5
	48	51	3	.33	.021		2.0
	51	54	3	.41	.021		2.0
	54	57	3	.46	.014		2.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 6
Sheet 5 of 14
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per metre/FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo				GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
57	60	3	100	Mottled, green-grey, fine grained intrusive Bx consisting of rounded grey granitic fragments, 1–4 cm across, set in a pale green to grey siliceous matrix. Cutting qtz vlts 1–2 mm thick at 60° to C.A., containing & [illegible] dissem py & cp. Host matrix carries & bears dissem py & cp. Est Cu grade @ .35%	2a	3	1	1	1	3	2	1	2	3	1			1			57	60	3	.37	.012		2.0
60	63	3	100	Mottled grey-green fine grained "breccia" consisting of rounded 2 cm diorite inclusions (20%) enclosed by fine grained to aphanitic matrix - locally c irregular qtz "sw". Qtz vlt [illegible] stockwork ~ 60° to C.A.; vlts to 1 cm, minor cp + mb. 2% [illegible] sulphides: py>cp, mb; minor mb on fract & vlt margins. Est .38% Cu	2a	.7	1	1	1	3	1	2	2	3	1			1			60	63	3	.19	.027		1.5
63	66	3	100	Mottled green, intensely altered fine grained porphyry [illegible] c chlorite seams, qtz vlts, irregular qtz aggs and occ. [illegible] (chlorite) "fragments". Shear zone 63.0 – 63.5', cut by late calcite stringers. Qtz stringer at 65.5. Altered volcanics. 2% py>cp, trace mb. Sulphides very fine grained. Est .25% Cu	2a	6	1	1	1	3	2	2	2	3	1			1			63	66	3	.28	.023		1.0
66	69	3		Mottled green, intensely altered fine grained "volcanic" [illegible] 1 cm chloritic aggs, numerous chl seams (3mm). Light coloured QFP dike at 68.0' qtz phenos to 5mm fine grained chloritic matrix. 5% qtz phenos - subhedral. Vague contact? at 68 [illegible] 3% dissem cp+py, trace mb. Qtz vlts to 1 cm, irregular fine grained mb. Est .3% Cu.	2a	4	1	1	1	3	1	2	2	3	1			1			66	69	3	.25	.010		2.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 8
Sheet 6 of 14
Logged by [illegible]
Sampled by J. E[illegible]

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT (m)	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo				GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
69	72	3	100	Altered QFP dyke out to 69.4; mottled green, intensely altered f.g. [illegible] rock with [illegible] angular "fragments" to 30 cm. Qtz vlts to 1 cm, ≈ 60° to CA, few subparallel to core. 2% finely dissem cp+py, trace moly [illegible]. Sulphides concentrated in chlorite "fragments". Est. .35% Cu	5	4	1	1	1	2	1	2	2	2	1			1			69	72	3	.25	.016		2.5
72	75	3	100	Mottled altered f.g. rock with [illegible] "fragments" to 73.3; gouge and cataclastic material to 75 m. Sheared and broken qtz vlts enclosed by friable, crushed matrix. 2% sulphides: py/cp. Late white stringers. Est Cu = .30%	2a	?	1	1	1	3	1	1	2	3	1			1			72	75	3	.32	.05		1.0
75	78	3	100	Cataclastic rock to 75.6; sharp contact with (qtz)-feldspar porphyry dyke at 20° to CA. Fine grained porphyritic margin of dacite porphyry dyke. Barren, late qtz veinlets contain 2% dissem. [illegible] py in crushed [illegible]. Dyke filling fault zone.	2a 6	2	1	1	1	3	1	1	2	2	1			1			75	78	3	.05	.04		.5
78	101.5	23.5	90	Barren dacite porphyry dyke: 10% qtz phenocrysts (5 mm), tabular fsp phenocrysts, fine to medium grained matrix. Barren. Numerous rounded inclus throughout. Low chill zone 100 - 101.5 m.	6	0	1	1	1	1	3	1	1	1	1			1			78	101.5		No	Assay:		dyke
101.5	104	2.5	100	Shattered interval with core expansion. 101.5 - 102.8, dk green, highly fractured, siliceous & chloritized altered rock with some py on chlorite fracs. Cut by barren Qtz vlts & carb fracs. 102.8 - 103.4 m dk green, f.g., porphyritic dyke with carb fracs, [illegible]. 103.4 - 104 m fault gouge consisting of fragmented siliceous rock altered to clay, sericite and carbonate [illegible]	2a	2	2	1	1	2	1	1	2	1	1			1			101.5	104	2.5				

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 6

Logged by C. Pelto
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS Per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Kp	Bo				GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
104	107	3	82	Core loss, largely from gouge zone 104.0 – 106.5 ft consisting of decomposed siliceous-chloritic rock largely altered to gray carb. clay ē with fragmented qtz grains, brecciated & slickensided dk green chlorite aggs. 106.5–107 in graphitic shear zone ~0° c.a. ē broken qz grains & secondary carbonate. Fault zone	Gouge	?	2	1	1	3	1	1	1	1	1			1									
107	110	3	93	Shattered fault zone consisting of intensely brecciated & altered siliceous-chloritic rock ē relict Qz vlts, abundant graphite, secondary carbonate & clay gouge unmineralized, perhaps due to leaching. Slickensided shear planes, ~0° c.a.	Gouge	?	2	1	1	3	2	1	1	1	1			1									
110	113	3	73	Core loss, shattered interval consisting of highly fractured, brecciated, altered siliceous-chloritic rock, unmineralized slickensided fracture faces normal to core axis but ~ core axis planes. Shear foliae ~0° c.a.	Gouge	?	2	1	1	3	1	1	1	1	1			1									
113	116	3	100	Mottled, green siliceous-chloritic Bx ē fragments to 1cm, occ. Qz vlt ē py-cp. Also cut by chlorite & carbonate. From 113–115.3 highly fractured, sheared & slickensided, probable fault zone. Carries dissem cp & py in chloritic host. Est. Grade ~.15% Cu.	2a	1	1	1	1	3	1	1	2	2	1			1			113	116	3	.33	.009		2.5
116	119	3	103	Mottled green siliceous-chloritic breccia ē chloritic frags to 1cm. Cut by Qz vlts, ~60° c.a. 3-20 mm thick ē Mo, py, cp. Also cut by numerous smooth chlorite & carb. faces ~60° c.a. Host carries fine dissem py ± cp. Est Grade ~.15% Cu. So. [illegible]	2a	3	1	2	1	3	2	2	2	2	1			1			116	119	3	.28	.015		2.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 2
Sheet 6 of 14
Logged by [illegible]
Sampled by [illegible]

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	S	B	K	C	E	Mo	Py	Cp	Bn			Ag	GRAPHIC	SAMPLES No	SAMPLES From	SAMPLES To	m	Cu	MoS2	Au	Ag
119	122	3	100	Mottled, grey-green, fn-gr. siliceous-chloritic rock c development of secondary biotite clots locally & chloritic blotches generally. Cut by Qz vlts, 3-10mm thick, often broken, carrying dissem fn-gr. Mo, cp & py. Also cut by slickensided chlorite-carb. frcts & epidote-Qz stkrs, 60-80° a C.A. Host carrys v. fn-gr. dissem py & cp. Est. Grade .2% Cu.	2a	5	1	3	1	3	2	2	2	2	1			1			119	122	3	.20	.015		1.5
122	125	3	93	Mottled, grey-green, fn-gr., siliceous-chloritic rock c local development of biotite clots & chlorite patches to 1 cm. Cut by Qz vlts, 3-5mm thick, 30-40° a C.A., carrying v. fn-gr. dissem Mo, cp ± py grains. Also cut by epidote-Qz ± cp ± py stkrs ~40° a C.A., 2mm thick & smooth chlorite frcs ~45° a C.A. Host carrys v. fn-gr. dissem py, cp ± MoS2. Est grade 0.25%	2a	7	1	3	1	3	2	2	2	2	1			1			122	125	3	.31	.016		2.5
125	128	3	93	Mottled, grey-green, fn-gr. siliceous-chloritic rock c patches of chlorite-epidote-Qz to 1 cm. Cut by Qz-epidote stkrs & solution cavities zones, 2-30mm thick 50-80° a C.A. & Qz vlts, 2-10mm thick 45-60° a C.A., carrying v. fn-gr. dissem py ± cp ± MoS2. Host carrys v. fn-gr. dissem cp & py. Est Grade .2% Cu	2a	5	1	2	1	3	2	2	2	2	1			1			125	128	3	.21	.011		2.0
128	131	3	100	Mottled, grey-green, fn-gr. siliceous chloritic rock c irregular patches of chlorite-epidote-Qz to 2 cm within a grey matrix carrying v. fn-gr. dissem cp, py & cp frcs. Also cut by Qz vlts carrying v. fn-gr. dissem cp, MoS2, py, chlorite carb. frcs ~60° a C.A. & epidote stkrs 1-2mm, ~70° a C.A. Est. Grade .3% Cu.	2a	9	1	1	1	3	2	2	2	3	1			1			128	131	3	.24	.022		2.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 6
Sheet 9 of 14
Logged by [illegible]
Sampled by [illegible]

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo				GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS₂	Au	Ag
131	134	3	101	Mottled grey-green fn-gr. subporphyritic, siliceous chlorite rock c̄ irregular patches of chlorite-epidote ± Qz to 1cm, & pale green Qz aggs 1-5mm across set in the grey matrix. Cut by Qz vlts 2-10mm thick, 0-80° C.A., carrying dissem lsgr. cp ± py. Host carries v. fn-gr. dissem cp, also py. Est. grade 0.25% Cu	2a	3	1	1	1	3	2	2	2	3	1			1			131	134	3	·30	·021		3·0
134	137	3	102	Mottled grey-green fn gr. subporphyritic siliceous chloritic rock c̄ irregular patches of chlorite-epidote-Qz to 1cm. Cut by Qz vlts, 2-5mm thick, 90-45° to C.A., carrying dissem py cp. Also cut by epidote-Qz shears & solution-collapse zones 1-10mm thick ~90° to C.A. & chlorite-carb ± cp, py fracs. Host carries v. fn gr. dissem py cp. Est grade ·2% Cu	2a	6	1	1	1	3	2	1	2	2	1			1			134	137	3	·25	·017		1·5
137	140	3	96	Mottled, highly fractured, grey-green fn gr. siliceous chloritic rock c̄ irregular clots of chlorite-epidote-Qz, clots & broken Qz vlts. Cut by chlorite-carb fracs, epidote-Qz shears & fracs, & Qz vlts. Argillic alteration pronounced 139-140m c̄ shearing @ 45° to C.A. Host carries dissem cp aggs ± py & v. fn-gr. dissem cp, py. Est. grade 0.15% Cu	2a	4	1	1	1	3	2	1	2	2	1			1			137	140	3	·33	·014		·5
140	143	3	96	Mottled grey-green fn gr. porphyritic, siliceous chloritic rock cut by epidote-Qz fracs & solution collapse shears, Qz vlts, 5-20mm thick, ~60-30° to C.A., carrying dissem v. fn gr. py ± cp ± Mo. Also cut by smooth fracs, chlorite-carb c̄ slicks. Host carries lsgr. cp aggs, py ± Mo specks. Est. ·2% Cu	2a	7	1	1	1	3	2	2	2	2	1			1			140	143	3	·22	·015		1·0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 6
Sheet 10 of 14
Logged by P. Pete
Sampled by J. [illegible]

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo				GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
145	146	3	110	Fractured interval, mottled to uniform, grey-green to dk green fn. gr., siliceous - chloritic rock highly fractured from 143 - 144 m, cut by Qz vlts, 2-30mm thick, 80-70° ∧ C.A. carrying coarse cp aggs to 1cm, ± py cubes. Smooth chlor-carb fracs. Host carries v. fn gr. dissem py ± cp grains. Est Grade 0.15% Cu. Bit assoc c̄ cp clots in Qz vlts.	2a	4	1	1	1	3	2	2	2	2	1			2			145	146	3	.25	.017		1.0
146	149	3	96	Broken interval 146 - 147.3m. Mottled grey-green c̄ dk green spots locally, siliceous - chloritic "spotted Bx". Spots consist of chlorite - epidote - Qz ± py set in a fn. gr. matrix. Cut by hairline epidote fracs, chlor-carb fracs & Qz vlts, 2-10mm thick, 80-50° ∧ C.A., carrying v. fn gr. py ± cp aggs. Host rock carries v. fn gr. diss py ± cp. Est. Grade 0.15% Cu	2a	5	1	1	1	3	2	1	2	2	1			1			146	149	3	.34	.031		1.5
149	152	3	100	Mottled, grey-green, fn. gr. siliceous - chloritic rock c̄ md. gr. chlorite-epidote clots. Cut by grey, 2-10mm Qz vlts, 80-0° to C.A., carrying fn. gr. dissem py, cp ± Mo. Cut by irregular chlorite fracs & hairline epidote shears. Host rock carries v. fn gr. dissem py ± cp ± Mo(?) Est Grade 0.15% Cu.	2a	5	1	1	1	3	2	1	2	2	1			1			149	152	3	.34	.014		1.5
152	155	3	103	Mottled grey-green fn. gr. chloritic - siliceous rock c̄ md. gr. chlorite - epidote clots. Cut by irregular epidote calcite fracs & Qz vlts, 2-20mm thick 0° - 80° ∧ C.A. carrying py cp specks. Prominent [illegible] fracs. Host carries v. fn gr. py & cp. MoS_2 153.7 - 153.8 along vlt 45° ∧ C.A. Est. Grade 0.15% Cu.	2a	6	1	1	1	3	2	1	2	2	1			1			152	155	3	.22	.013		.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor Comp: /Vert Comp:
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. G
Sheet 11 of 14
Logged by C.Lee
Sampled by J. Ewing

FOOTAGE From	To	RECOVY Run	Core	DESCRIPTION	LITHOLY	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo		Mt	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS_2	Au	Ag
155	158	3	100	Pale green, Qz-porphyry c/ 155±1m, 156±1 = 156.4 m, @ 157.7-158 m. Cuts dk green, mottled fine gr. chloritic-siliceous rock @ 48°/60° n.c.a. Cut by Qz veins & smooth chlor. fract. & slicks, & disem Mo & cp specks. Mottled host shows chloritic-epidote clots, & disem cp, aggs & v.fine gr disem pyrite specks. Qz veins, 2-30cm thick, 80-10° c.a.; cavity disem & fine gr cp ± py (trace Mo) Est. grade 0.3% Cu	2a 5	4	1	1	1	3	2	2	2	3	1			1										
158	161	3	93	Broken core interval, numerous smooth chlor-carb fracs 45°-20° n.c.a. Mottled dk green fine gr siliceous-chloritic rock & local development of qz-epidote-chl clots. Cut by Qz veins, ~5cm, 0° c.a. cavity & fine gr disem cp ± py. Chl-carb host cavity & fine gr disem py & cp aggs. 158-158.4m pale green, fractured Qz-porphyry	2a gouge	2	1	1	1	3	2	1	2	2	1			1										
161	164	3	70	Core loss, probably in gouge zone between 161.4 & 163.2m. Pale green, light, obscured, possibly chlorite-sericite-carb & brecciated Qz. fragments ~20° n.c.a. Probable fault zone. Mottled dk green, fine gr, siliceous-chloritic rock & chlor-cp-Qz clots to 1cm. Cut by numerous, smooth chlor.-carb fracs. Host core shows v.fine gr py & cp aggs. Est. Grade 0.15% Cu.	ca	3	2	1	1	3	2	1	2	2	1			1										
164	167	3	90	Core loss; Broken interval due to numerous chloritic-carb fracs ~20-60° n.c.a. Mottled, grey-green to uniform dk green, chloritic-siliceous rock. Cut by Qz v lts & v.fine gr disem cp, py & Mo, also 10cm Qz-porphyry vns & 166.6m. Host shows fine gr py ± cp aggs Est. Grade 0.2% Cu.	2a	2	1	1	1	3	2	2	2	2	1			1										
																			155	158	3	.33	.017		1.5
																			158	161	3	.25	.013		1.0
																			161	164	3	.44	.09		1.5
																			164	167	3	.34	.014		1.0

DRILL HOLE RECORD
Gambier Project

Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 6
Sheet 12 of 14
Logged by C. Cte
Sampled by [illegible]

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholog'y	Veins per [illegible]	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Z.d	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
167	170	3	110	Highly shattered interval, cut by abundant chlor-carb fracs c̄ ll transverse sliks, ~45-20° ^ C.A. Mottled, grey-green, fine gr., siliceous chloritic rock, intensely fractured, due to faulting, & cut by Qz vlts carrying specks of py & Mo. Carb-[illegible] ~[illegible] 20° ^ C.A. Host rock carries v. fine gr. dissem py, cp aggs & Mo. Est Grade 0.2% Cu	2a	3	2	1	1	3	2	2	2	2	1			1			167	170	3	.31	.005		1.0
170	173	3	103	Mottled grey-green, fine gr., siliceous-chloritic "spotted" rock c̄ epidote-chlor-Qz clots to 1cm. Cut by smooth chlor fracs & sliks also cut by Qz vlts, 2-10mm thick 30-40° ^ C.A. carrying fine gr. dissem Mo, cp & py. Host carries v. fine gr. py ± cp aggs to 1mm. Est Grade 0.2% Cu	2a	4	1	1	1	3	2	2	2	2	1			1			170	173	3	.25	.016		1.0
173	176	3	99	Fractured, broken core 175.3-176 m. Mottled, grey-green to dk green, fine gr., siliceous chloritic rock c̄ irreg. spots of chlor-ep-Qz. Cut by hairline epidote shears, carb fracs & chlor-carb fracs c̄ sliks, ~60-45° ^ C.A. & Qz vlts, ~5mm thick, ~60° ^ C.A. carrying v. fine gr. cp & py. Host carries v. fine gr. py & cp. Est Grade 0.15% Cu	2a	4	1	1	1	3	2	1	2	2	1			1			173	176	3	.29	.012		.5
176	179	3	100	Mottled, grey-green fine gr. siliceous-chloritic rock c̄ small ep-chlor-Qz spots. Cut by irreg. chlor-carb fracs between 177.8-176.8, ~60-45° ^ C.A. also cut by Qz vlts, 3-40mm thick, 45-60° ^ C.A. carrying dissem cp. Host rock carries dissem cp aggs & v. fine gr. py. Est. grade Cu 0.1%	2a	4	1	1	1	3	2	1	2	2	1			1			176	179	3	.18	.014		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND	Length		HOLE No. 6
Location	Hor. Comp.	/Vert Comp.	Sheet 13 of 14
Elevation	Bearing		Logged by P. Peto
Coordinates N / E	Begun	/Completed	Sampled by J. Elson SR
	Core size	/Recovery %	

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo				Graphic	Samples No	Samples From	Samples To	m	Cu	MoS2	Au	Ag
179	182	3	105	Mottled, grey-green, fn gr., intensely fractured chloritic siliceous rock c̄ 1-2mm chlorite spots. Numerous irregular chlor-carb fracs c̄ slicks, also carb fracs 1mm thick @ ?° CA. Few Qz vlts, leached & fractured, c̄ minor cp. Host carrys cp aggs to 1mm. Est Grade 0.1% Cu	2a	3	1	1	1	3	2	1	1	2	1			1			179	182	3	.20	.014		1.0
182	185	3	97	Highly broken, fractured intervals, c̄ fault gouge @ 184.2-185m, shallow foliation @ 25° CA. Mottled, grey-green to green, fn gr., siliceous-chloritic rock c̄ chloritic clots, cut by numerous irreg. hairline chlor-carb fractures 0°-60° CA, rock appears to be leached c̄ clay films along fracs. Qz vlts 1-2cm thick & largely fragmented. Cp occurs along chlorite salvages assoc. c̄ Qz vlts. Host carry's cp aggs. Est Grade <0.1% Cu	2a Gouge	2	1	1	1	3	2	1	1	2	1			1			182	185	3	.30	.010		1.5
							FAULT ZONE																				
185	188	3	103	Mottled, grey-green to dk green, fn gr., siliceous-chloritic "Speckled Rx". 185-186m cut by numerous hairline chloritic fracs 0°-45° CA. Qz vlts 2-5mm thick 45°-60° CA carry dissem. Mo ± cp ± py. Chloritic host carrys cp aggs ± py in chlor-clots. Est Grade Cu 0.15%	2a	4	1	1	1	3	2	2	2	2	1			1			185	188	3	.18	.010		1.5
188	191	3	105	Mottled, grey, speckled dk green, medium gr. chloritic granite gneiss @ 187.6m. Consists of grey to smoky Qz grains, and plagioclase & dk chlorite, aggs ± ep, & dissem py xtls. Rock cores well, contains few fracs cut by Qz vlts 2-10mm thick, 90-45° CA, carrying Mo, cp ± py along chlorite salvages. Cp aggs assoc c̄ epidote-chlorite clots. Est Grade 0.22% Cu	2a 5	6	1	1	1	2	2	2	2	2	1						188	191	3	.27	.06		1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 6
Sheet 14 of 14
Logged by [illegible]
Sampled by [illegible]

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo				GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
191	194	3	100	Mottled grey, speckled dk green, mid gr. chloritic granite c chlorite-ep ± cp clots to 1cm. Locally chl.-rich ... of dk green, Qz porphyry c 192.6-192.9m, c cp aggs. 193.5m, Qz eye development in leucocratic gr. Cut by Qz vlts, 1-10mm thick, mostly ⊥ C.A. carrying dissem Mo Cp & Py. Host carries Cp aggs to 1mm. Est Grade 0.3% Cu.	5	3	1	1	1	2	2	2	2	3	1			1			191	194	3	.37	.025		2.0
194	197.2	3	100	Mottled, grey-speckled dk green, med. gr. chloritic granite c Qz eyes to 3mm, c chlor-epidote ± cp clots to 1cm. Cut by Qz vlts, 2-10mm thick @ 60° to C.A., carrying cp aggs, epidote-chlorite, HB ± Py grains. Host carries dissem. Py ± cp in chlorite clots. Cut by epidote shears ~ 45° to C.A. Est Grade 0.25% Cu.	5	3	1	1	1	2	2	2	2	3	1			1			194	197.2	[illegible]	.41	.006		2.5

END OF HOLE

CORE RECOVERY 95.6%
ACID TEST @ 197.2 m

NOTE: Hole begins in siliceous-chloritic spotted Bx, grades into mottled siliceous-chloritic altered rock & terminates in med. gr., Qz-eye, chloritic granite porphyry. Major, steeply dipping fault zone @ 104-113 metres, smaller fault splinters throughout. Cut by unmineralized dacitic porphyry dyke between 75.6 to 101.5 m.

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar	-90	–

PROPERTY GAMBIER ISLAND	Length 185.7 metres	HOLE No. 7
Location	Hor. Comp. / Vert. Comp.	Sheet 1 of 14
Elevation	Bearing	Logged by P.P.
Coordinates N / E	Begun 22-7-1979 / Completed 26-7-79	Sampled by J. [illegible]
	Core size BQ / Recovery 101.2 %	

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Po	Mt	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
0	14	14		Overburden																					
14	17	3	104	Mottled, grey-green to dk green, f.g. to m.g. siliceous-chloritic rock with chlor-ep-py spots to 1cm. Cut by 1–3 mm Ep-Qz fracs ~70° C.A., smooth chlor fracs 60–45° C.A. & Qz vlts ~4 mm thick, 45° C.A. carrying med gr py cubes & f.g. dissem Mt. Traces of second. biotite locally. Magnetic. Est. Grade 0.1% Cu.	2a	1	1	2	1	3	2	1	3	1	1	3			14	17	3	0.18	0.08		0.5
17	20	3	98	Mottled, dk green, uniform-grained, siliceous-chloritic-pyritic rock, cut by Qz-epidote stringers 1–5 mm thick, ~80–60° C.A., smooth chlor fracs ~45° C.A. & Qz vlts 45–70° C.A., 2–5 mm thick, truncated by Qz-ep stringers, carrying medial cp ± py cubes ± Mo flakes. Chloritic host carrys dissem py cubes, po, Mt ± cp. Est. Grade 0.2% Cu	2a	7	1	2	1	3	3	2	3	2	1	3			17	20	3	.16	.04		.5
20	23	3	97	Mottled to uniform, dk green to grey-green, f.g. to m.g. siliceous & chloritic-pyritic rock with irreg. development of chlor-ep-Qz & py spots, & second. biotite aggs to 1cm. Cut by chlor fracs ~45° C.A., Qz-epidote stringers 1mm–5 mm thick ~60° C.A. & occ. Qz vlt carrying py & cp. Host carrys dissem py, chalco, local cp aggs to 2 mm across, & f.g. dissem Mt. Est. Grade 0.2% Cu.	2a	2	1	2	1	3	3	1	3	2	1	3			20	23	3	.12	.03	0.07	.5
23	26	3	104	Mottled to uniform, dk green to grey-green, f.g. to m.g. siliceous & chloritic rock & ep. rich zone 25.1 – 25.5 m. Cut by numerous chlor-carb fracs ~45° C.A., occ. ep stringers	2a	3	1	1	1	3	2	2	3	1	1	3			23	26	3	.14	.048		.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp /Vert. Comp
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 7
Sheet 2 of 14
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	S	B	K	C	E	Mo	Py	Cp	Bo			At	Graphic	Samples No	Samples From	Samples To	m	Cu	MoS2	Au	Ag
				Qz vlts, 2-25 mm thick 45-60° t.c.a. carrying Mo, cp & Hm & py. Host carrys py cubes to 2 mm, dissem & fn gr. Mt. & cp. Est Grade Cu 0.1%			1	1	1	3	2	2	3	1	1			3									
26	29	3	106	Mottled, dk green to grey-grn, fn gr, siliceous-chloritic rock ē chlor. spots. Cut by 1-3 mm thick qz-ep shears ~70° t.c.a., smooth chlor fractures 45-60° t.c.a., & Qz vlts, 2-5 mm thick, 60° t.c.a., carrying dissem fn gr. cp & cp along the chlor. selvages. Host rock carry v. fn gr dissem Mt, py cubes & cp aggs locally. Sericitic (?)	2a	5	1	2	1	3	2	1	2	2	1			3			26	29	3	.19	.026		1.0
29	32	3	101	Mottled, dk green to grey-green, fn gr, siliceous-chloritic rock ē dk chlor. patches. Cut by smooth chlor. fracs ~60° t.c.a., ep-Qz shears, 1-2 mm thick & Qz vlts, 2-10 mm thick, ē dissem Mo & cp. Host carrys v fn gr dissem Mt, cp aggs to 1 mm & py cubes. Est Grade 0.2% Cu. Ser. Bo?	2a	4	1	2	1	3	2	2	2	2	1			3			29	32	3	.17	.027	.09	.5
32	35	3	88	Mottled, dk green to grey-green, fn gr, siliceous-chloritic [illegible] & pyritic "spotted" Bx ē chlor frags in a silic matrix. Cut by Qz-ep shears, smooth chlor frac & rare Qz vlts & cp-py seams. Host rock carrys dissem py cubes, cp aggs, & Mt grs. Est Grade 0.08% Cu.	2a	1	1	1	1	3	2	1	2	2	1			3			32	35	3	.15	.027		.5
35	38	3	103	Mottled, dk green to grey-gr, fn gr, siliceous-chloritic "spotted" Bx. Cut by epidote shears 2 mm thick & smooth chlor fractures ~60° t.c.a. Qz vlts, ē ep, cp, py. Host carrys dissem py, cp, ep aggs, Mt. Est Grade 0.2% Cu. 38.45 [illegible]	2a	3	2	1	1	3	2	2	2	2	1			3			35	38	3	.15	.010		.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 7
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Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per foot	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Kp	Bn				GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
38	41	3	97	Mottled, dk green to grey green, fn gr, sub-porphyritic locally, siliceous - chloritic rock c "chlor pseudomorphs" Cx 138.4 - 139m. Cut by qz-ep shears, smooth chl coated fracs & occ qz vlts, 2-3 mm thick, ~60° a.c.A., carrying Mo & cp. Host carries dissem cp aggs, ... ± py & some secd. biotite? Est Grade Cu 0.2%	2a	3	1	2	1	3	2	2	2	3	1			3			38	41	3	.14	.04	.02	.5
41	44	3	98	Mottled to spotted, dk green to grey-green, fn gr, siliceous - chloritic Bx c chlor-ep-py frags set in grey siliceous matrix. Cut by ep-qz shears, chlor fracs & qz vlts 2-3mm thick ~60° a.c.a. & dissem Mo & cp. Host carries coarse py cubes, cp aggs. Est Grade 0.25% Cu	2a	2	1	2	1	3	2	2	3	2	1			2			41	44	3	.13	.09		.5
44	47	3	111	Mottled, dk green to grey-green siliceous - chloritic "spotted" Bx c irreg. chlor frags in siliceous matrix. Cut by smooth chlor fracs, epidote shears & qz vlts, 2-5mm thick, 60-90° a.c.A., carrying Mo, cp & cp. Chlor host rock carries dissem py, cp aggs. Est. Grade 0.2% Cu	2a	3	1	1	1	3	2	2	2	2	1			2			44	47	3	.16	.015		1.0
47	50	3	100	Mottled, dk green to grey-green, fn gr, siliceous - chloritic "spotted" Bx. Cut by thin qz-ep shears, smooth chlor fracs & qz vlts, 2-4mm thick, ~60° a.c.A, carrying dissem Mo. Host rock carries cp aggs, dissem py cubes, local [illegible]	2a	2	1	1	1	3	2	2	2	2	1			2			47	50	3	.30	.12	.05	1.0
50	53	3	100	Mottled, dk green to grey-green, fn gr, siliceous - chloritic "spotted" Bx c chlor-ep-qz blotches. Cut by qz-ep shears, chlor-coated fracs & qz vlts, 2-5mm thick, 40-60° a	2a	3	1	1	1	3	2	2	3	2	1			2			50	53	3	.16	.09		.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 7
Sheet 4 of 14
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo	(unlabelled)	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
cont'd				C.A. carrying dissem cp aggs, py cubes & Mo. Host rock is dissem cp aggs, py cubes & [illegible]. Est. Grade c. 2% Cu.			1	1	1	3	2	2	2	2	1	2									
53	56	3	100	Mottled, dk green to grey-green fn gr., siliceous-chloritic rock c secondary epidote at 155.6–155.9 m. Cut by ep-Qz shears, small chlor-[illegible] fracs, Qz v'lts, 2–5 mm thick ~60° to C.A., carrying Mo, cp aggs & py aggs. Host rock is phyllitic (epidote-chlor) pseudomorphs locally, dissem cp aggs, py, mt.	2a	5	1	2	1	3	2	2	2	2	1	3			53	56	3	.14	.041		1.0
56	59	3	97	Mottled, dk green to grey-green fn gr., siliceous & chloritic 'spotted' Bx. Cut by chlor fracs 0–60° to C.A., Qz-ep shears ~45° to C.A., & Qz v'lts 2–5 mm thick, 0–90° to C.A., most ~60° to C.A. carrying dissem Mo, py & cp aggs, some c mineralized [illegible]. Host rock dissem py cubes & cp aggs. 57.5 m, 1 cm Qz-graph. vn.	2a	8	1	1	1	3	2	2	2	2	1	2			56	59	3	.14	.023	.04	1.0
59	62	3	105	Mottled, dk green to grey-green fn gr., siliceous-chloritic, [illegible] 'spotted Bx'. Cut by Qz-ep shears, small chlor fracs 60–45° to C.A. & Qz v'lts, 2–5 mm thick, 60–45° to C.A. c cp aggs & Mo & py. Host Bx carrying py cubes, cp aggs & fracs to 2 mm locally & cp specks. Est Grade Cu 0.4%.	2a	5	1	1	1	3	2	2	2	3	1	2			59	62	3	.35	.026		1.0
62	65	3	104	Mottled, dk green to grey-green fn gr., siliceous-chloritic [illegible] 'spotted Bx'. Cut by epidote shears to 1 cm thick, Qz v'lts, 2–7 mm thick, 10–90° to C.A. carrying cp aggs & dissem py & Mo. Host carrying py cubes, cp aggs & dissem mt. Est Grade 0.3% Cu.	2a	5	1	2	1	3	2	2	2	3	1	3			62	65	3	.26	.014		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND	Length		HOLE No. 7
Location	Hor. Comp.	/Vert Comp.	Sheet 5 of 14
Elevation	Bearing		Logged by
Coordinates N	Begun	/Completed	Sampled by
E	Core size	/Recovery %	

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Au	Graphic	Sample No.	Sample From	Sample To	m	Cu	MoS2	Au	Ag
65	68	3	97	Mottled, grey-green to dk green, f.-gr., siliceous-chloritic rock c̄ irreg. chlor ± py blebs. Cut by Qz-Ep fracs, chlor fracs ~60° r.C.A., & Qz vlts, 2-5mm thick, ~60° r.C.A. carrying ep aggs ± dissem py. Host rock carrying dissem, f.-gr. mt, py cubes, cp aggs. Est. Grade Cu 0.35%	2a	7	1	1	1	3	2	2	2	3	1			3			65	68	3	.35	.01	.14	1.0
68	71	3	100	Mottled black to dk green, f.-gr. / siliceous-chloritic 'spotted Bx' c̄ local development of biotite ± mt clots. Cut by irreg. hairline ep fracs, small chlor fracs c̄ sulph. smears, Qz-vlts, 1-5mm thick, ~45° r.C.A., carrying dissem py cubes, cp aggs; Mo in alt locally. Est. Grade 0.4% Cu.	2a	6	1	3	1	3	2	2	2	3	1			3			68	71	3	.37	.022		1.0
71	74	3	105	Mottled, grey-green to dk green siliceous-chloritic 'spotted Bx' c̄ ovoid chlor-ep ± cp frags set in v. f.-gr. siliceous matrix. Cut by irreg. hairline ep fracs, chlor fracs ~60° r.C.A. Host rock carrying cp aggs, py cubes, dissem mt. Est. Grade 0.3% Cu.	2a	1	1	2	1	3	2	1	2	2	1			3			71	74	3	.47	.012		1.0
74	77	3	100	Broken interval due to numerous chlor-carb fracs 0°-45° r.C.A. Mottled, dk green to grey-green f.-gr. siliceous-chlor. 'Bx'. Cut by epidote shears ~90° r.C.A., chlor-sericite(?) shears ~0° r.C.A., Qz vlts, 2-4 mm thick, carrying dissem cp ± py. Host rock carrying dissem py cubes, cp aggs, dissem f.-gr. mt. Est. Grade 0.25% Cu.	2a	2	1	1	1	3	2	2	2	2	1			3			74	77	3	.20	.021	.09	1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 17
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Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholy	Veins per metre	Alt. S	Alt. B	Alt. X	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo	A	Graphic	Sample No.	Sample From	Sample To	m	Cu	MoS₂	Au	Ag
77	80	3	100	Blocky interval, broken by numerous chlor.-carb. fracs 0°-60° a.c.A. Mottled, grey-green to dk green, siliceous-chloritic rock cut by hairline ep fracs, Qz vlts, 2-3 mm thick c py ± Mo. Host carrys dissem. py ± cp aggs. Est. Grade 0.25% Cu.	2a	2	1	1	1	3	2	2	2	2	1	2			77	80	3	·16	·031		1.0
80	83	3	100	Blocky interval due to chlor-ep fracs c slicks ~45° a.c.A. Mottled, dk green to grey-green, fn-gr., siliceous-chloritic spotted Bx. Cut by irreg. ep fracs, occ. Qz vlts, c py ± cp. Host rock carrys cp aggs ± py. Est Grade 0.20% Cu.	2a	2	1	1	1	3	2	1	2	2	1	1			80	83	3	·17	·08		·5
83	86	3	100	Mottled, dk green to grey-green fn-gr., siliceous-chloritic rock c irreg. chlor-ep blotches. Cut by irreg. ep shear zones ~50° a.c.A, smooth chlor fracs 40-45° a.c.A, occas. Qz vlts c dissem cp aggs, py ± Mo. Dissem cp aggs in Qz shears. Host carrys cp aggs, py cubes, sid. biotite.	2a	3	1	1	1	3	3	1	2	2	1	2			83	86	3	·17	·012	·12	·5
86	89	3	105	Mottled, grey-green c dk green spots, fn-gr., siliceous-chlor. spotted Bx. Cut by ep shears, chlor sheared fracs, Qz vlts 2-5 mm thick ~60° a.c.A, carrying dissem Mo & cp aggs. Host carrys dissem py, cp aggs & Mo. Est. Grade 0.22% Cu. Coarse py locally.	2a	3	1	1	1	3	2	2	2	3	1	1			86	89	3	·17	·012		·5
89	92	3	100	Mottled, grey-green to dk green, fn-gr. siliceous-chloritic spotted Bx. Cut by chlor fracs c slicks ~50°, minor carb ~50m, & Qz vlts.	2a	1	1	1	1	3	2	2	2	3	1	2			89	92	3	·12	·034		·5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

Logged by
Sampled by

Footage From	Footage To	Recov'y Rec	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo				Graphic	Samples No	Samples From	Samples To	m	Cu	MoS2	Au	Ag
				carrying dissem Mo & Cp aggs. Host rock carrys dissem py cubes & Mo specks, & cp aggs. Est. Grade 0.3% Cu.																							
92	95	3	100	Mottled, dk green to grey-green fn gr, siliceous-chloritic 'rock' c irreg. chlor-ep-py spots. Cut by Qz vlts, 2-5 mm thick, 40-50° ∧ C.A. carrying dissem Mo & Cp aggs. Cp & Mo smears on chlor fracs. Host carrys dissem Cp aggs, py cubes & Mo specks after cp [illegible]. Est Grade 0.3% Cu. See Biot?	2a	7	1	2	1	3	2	2	2	3	1			2			92	95	3	.15	.010	.06	1.0
95	98	3	100	Mottled, dk green to grey-gr, fn gr, siliceous-chloritic (Brecciated Bx). Cut by carb & chlor fracs ~60° ∧ C.A.; Qz vlts 2-3 mm thick, 45-70° ∧ C.A. carrying dissem cp & Mo. Mo & cp smears on chlor fracs. Host carrys dissem Cp aggs ± py cubes. Est Grade 0.3% Cu	2a	4	1	1	1	3	2	2	2	3	1			3			95	98	3	.12	.03		.5
98	101	3	102	Mottled grey-green to dk green fn gr siliceous-chloritic 'rock' occ. ep-Qz shears, minor chlor-carb fracs & Qz vlts, 2-5mm thick, ~60° ∧ C.A. carrying cp aggs & dissem py cubes. Host rock carrys dissem cp aggs, py cubes & mt grs c ep ± biot? Est Grade 0.3% Cu.	2a	3	1	2	1	3	2	1	2	3	1			3			98	101	3	.26	.012		1.0
101	104	3	10[illegible]	Mottled grey-green to dk green, fn gr, siliceous-chloritic [illegible] chlor-spots. Cut by Qz vlts, 2-5mm thick, 45-60° ∧ C.A. carrying Mo, cp ± py. Host carrys cp & Mo smears on chlor fracs c slicks, & dissem cp aggs, py cubes, ± mt. Est Grade 0.3% Cu. Sericite in shear @ 103.4m ~ 20° ∧ C.A.	2a	5	1	2	1	3	2	2	2	3	1			3			101	104	3	.19	.038	.07	1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 7
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Logged by
Sampled by

FOOTAGE From	To	RECOVY Run	Core	DESCRIPTION	LITHOL'Y	VEINS Dec-Pod	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo		Vn	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
104	107	3	97	Mottled dk green to grey-green siliceous - chloritic 'plotted' breccia & grey clasts set in siliceous matrix. Cut by Qz vlts, 2-3mm thick, 45-60° ACA Carrying Mo flakes, cp & py. Host carries disseminated cp, py & Mo. Local sericitic Qz-fluorite veins e.104.3, 105.6 m, also smooth chlor-coated fracs. 060-45° ACA. Est Grade: Cu 0.2%.	2a	6	2	1	1	3	2	2	2	2	2	1		1		109	107	3	.11	.048		.5
107	110	3	100	Mottled, grey-green spotted dk green, siliceous-chloritic breccia. Cut by smooth chlor-coated fracs, occ. Qz-cp veins & Qz vlts, 2-10 mm, 45-70° ACA Carrying Mo, py & cp. Host carries V. fn gr. disseminated cp ± Mo? Est Grade: 0.2% Cu.	2a	6	1	1	1	3	2	2	2	2	2	1		1		107	110	3	.15	.010		.5
110	113	3	88	Mottled, grey-green to dk green fn gr, siliceous - chloritic Bx & breccia cut by 2-4mm Qz vlts, 45-60° ACA, & disseminated py, cp & Mo, also cut by smooth chlor-coated fracs. Host carries disseminated cp, py & Mo grains. Est Grade 0.2% Cu.	2a	7	1	1	1	3	2	2	2	2	2	1		1		110	113	3	.10	.009	.04	.5
113	116	3	100	Broken, blocky interval cut by chlor-coated fracs 0°, 60°, 45° ACA. 113 - 114.2 m mottled dk green fn gr, siliceous-chloritic Bx. Cut by Qz vlts & cp-py veinlets, rock also cut by cp fracs. 114.2 - 116 m, mottled pale grey-green fn gr, altered granite & chlor-sericite-ep alterations. Carries fn gr disseminated cp, py, & local hydrothermal breccia. Good coring rock. Est Grade 0.15% Cu.	5	2	2	1	1	3	2	1	2	2	2	1		1		113	116	3	.17	.006		.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 7
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Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Mt	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag		
116	119	3	88	Broken, Blocky interval due to numerous chl - carb fracs ± Sericite generally intact. 116 – 116.5 m pale gray - green fn gr. mottled andesite 116.5 – 119 m mottled grey - green to dk green, f gr. siliceous - chloritic rock ē dk chlor. fracs 'Bx'. Qz vlts carry ep. Host rock carries ep aggs & py cubes Est Grade 0.15% Cu.	5	2	2	1	1	3	2	1	2	2	1			1			116	119	3	.05	.005		.5		
119	122	3	91	Broken, blocky interval ē fault gouge. missing core. Dk green highly fractured siliceous - chloritic rock, ē irreg chlor - carb fracs 0°, 45°, 60° to C.A. Cut by Qz vlts, 1-2 mm thick carrying ep & py. Host carries dissem py ± cp. Est Grade 0.2% Cu	5 gouge	3?	3	1	1	3	1	1	2	2	1			1			119	122	3	.12	.025	.01	1.5		
122	125	3	97	Mottled, green to dk gr. fn gr. siliceous - chloritic rock ē chlor - ep - sericite?, blotches Cut by smooth chlor - carb fracs ~45-60° to C.A. ± Qz vlts, 2-20 mm thick, ~60° to C.A., carrying dissem Mo, ep aggs ± py. Host carries dissem py, cp. py cubes, Mo at locally. Est Grade 0.25% Cu.	5	3	2	2	1	3	2	2	2	2	1			2			122	125	3	.20	.035		1.0		
125	128	3	100	Long, 3 meter interval, consisting of mottled, green to dk green, fn gr, siliceous - chloritic rock ē chlor - ep - ser. blotches. Cut by chlor fracs & Qz vlts, 2-4 mm thick, ~60° to C.A. carrying dissem Mo, cp, py, ± sphalerite. Host carries dissem py, cp, mt ± ep aggs. @ 126.6 – 126.85 equigranular texture similar to diorite & ep + Mo Est Grade 0.3% Cu	5	4	1	2	1	3	2	2	2	3	1						125	128	3	.47	.012		1.0		

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar		

PROPERTY GAMBIER ISLAND	Length		HOLE No. 7
Location	Hor. Comp.	/Vert. Comp.	Sheet 10 of 14
Elevation	Bearing		Logged by
Coordinates N / E	Begun	/Completed	Sampled by
	Core size	/Recovery %	

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholy	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			At	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
128	131	3	101	Mottled, grey-green to dk green, f.-m.gr., silicified-chloritic dk to dk green blotches. Resembling an altered chloritic-granite locally, ē chlor. pseudomorphs after biotite, < 1mm acros, Qz grains to 2mm set in a v. f.gr. feldspathic matrix. Transition zone @ 125.3m. Cut by hairline ep stringers, smooth chlor-ep fracs ē slicks, Qz vlts, 2-5mm thick, 45-60° ∠ C.A. carrying dissem. Mo, ep, ccs ± py. Host carries py, dissem cp. Est Grade 0.25% Cu.	.5	6	1	1	1	3	2	2	2	3	1			2			128	131	3	.19	.02	<5	1.0
131	134	3	96	Mottled, grey to green, f.gr., ē chlor-ep blotches set in a siliceous grey matrix cut by ep-fracs, chlor-carb fracs & thin Qz vlts, 2-4mm thick, ∠ various, carrying dissem cp, ep, chlor, ± cp. Host granite carries dissem py, cubic to 1mm locally & v.f.gr. cp & py. Est Grade 0.25% Cu.	.5	4	1	1	1	3	2	2	2	3	1			1			131	134	3	.24	.005		.5
134	137	3	100	Mottled, grey to green, f.gr., granite ē chlor-ep-Qz ± py blotches. Cut by epidote stringers, chlor-carb fracs & Qz vlts, 1-4mm thick, 40-60° ∠ C.A., carrying dissem f.gr. Mo, py & cp. Granite host carries dissem cp, v.f.gr. py ± cp. Est Grade 0.2% Cu.	5	3	1	1	1	3	2	2	2	2	1			1			134	137	3	.20	.004		1.0
137	140	3	97	Mottled, grey to green, fine to med gr. altered granite ē chlor-ep blotches set in grey f.gr. matrix. Cut by ep stringers, occas. chlor-carb fract. Qz vlts, 2-15mm thick, 0-50° ∠ C.A. carrying v.f.gr. Mo, py. Host carries v.f.gr. dissem py & cp. Est Grade 0.2% Cu.	5	4	1	1	1	2	2	2	2	2	1			1			137	140	3	.24	.02	<3	1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 7
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FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bn			[illegible]	GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
140	143	3	100	Mottled, grey to dk green chloritic granodiorite c ep-chlor-qz blotches. Cut by qz-discrete Qz vlts, 2-20mm thick, ~60° C.A. carrying specs, dissem f.gr. cp ± Mo. Granite host carrying specs & f.gr. py. Est Grade 0.3% Cu.	5	5	1	1	1	3	2	2	4	3	1			1			140	143	3	.30	.012		2.0
143	146	3	101	143-145 m, mottled, grey-green to dk green f.gr. siliceous-chloritic spotted Bx c dark chlor. frags to 4cm set in a f.gr. epidote matrix carrying dissem cp clots ± f.gr. py. Cut by numerous chlor. fracs & slicks. 145-146 m pale grey-green f.gr., mottled altered granite c chlor-ep-qz blotches to 4cm, carrying dissem specs & more f.gr. py. Both cut by Qz vlts, 2-5mm thick, ~60° C.A. carrying cp & py as f.gr. dissem. Est Grade 0.25% Cu.	5	7	1	1	1	3	2	1	2	2	1			1			143	146	3	.17	.008		.5
146	149	3	100	Mottled, pale grey-green, f.gr. chloritic granodiorite, c bleached chlor-ep & qz blotches. Cut by smooth chl-fracs, ~60° C.A. & Qz vlts, 2-5mm thick, 45-60° C.A. carrying dissem Mo specs ± py clots. Granite host carrying V f.gr. py & cp xlts. Est Grade 0.15% Cu.	5	9	1	1	1	2	2	2	3	2	1			1			146	149	3	.28	.022	.11	1.5
149	152	3	100	Mottled grey f.gr. chloritic-epidotized siliceous granite. Cut by chl fracs & some fracs have micaceous biotite-sericite also cut by Qz vlts, 5-15mm thick, ~60° C.A. carrying small amounts of Mo & py. Granite host carrying v.f.gr. dissem py ± traces Mo. Est Grade 0.15% Cu. Very hard rock.	5	2	1	1	1	2	2	2	2	2	1			1			149	152	3	.15	.015		1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N
E

Length
Hor. Comp /Vert.Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 7
Sheet 12 of 14
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Rec	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Kp	Bo			Ml	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
152	155	3	103	Mottled, grey to green, f.g.-m.g. chloritic granite ē chlor-ep blotches. Cut by chlor-carb fracs 60-45° c.a., ep-qz shears @ 80° c.a., and qz vlts, 2-5mm thick, 60-80° c.a., carrying ep aggs & Mo flakes. Granite host carries dissem ep aggs, v.f.g. py. Est Grade Cu 0.2%. Qz-ep to 8mm. 153.5m epidotized 2x for 20cm. Locally sericitic.	5	5	2	1	1	2	2	2	2	2	1			1			152	155	3	.18	.015		1.0
155	158	3	97	Mottled, grey-green to dk green f.g.-m.g. silicified - chloritic granite ē chlor-ep blotches. Cut by chlor-carb fracs & qz vlts, 2-10mm thick, 45-80° c.a. carrying dissem ep, ep aggs, py ± Mo flakes. Host carries f.g. dissem py, ep aggs & alt. Est Grade 0.25% Cu	5	7	1	1	1	3	2	2	2	3	1			2			155	158	3	.26	.028	.03	1.0
158	161	3	97	Blocky interval, cut by chlor-carb fracs 0, 45, 60° c.a. Mottled grey-green ē dk green altered blocks, f.g. to med gr. chloritic granite. Cut by micro ep-qz fracs, qz vlts, 2-10mm thick, @ 60° c.a., carrying dissem ep, ep aggs ± py. Granite host [illegible], py cubes & v.f.g. dissem ep. Est Grade 0.2% Cu	5	5	1	2	1	3	2	1	2	2	1			2			158	161	3	.22	.013		1.5
161	164	3	90	Mottled, grey-green to dk green, f.g. chloritic granite ē dk chlor-ep blotches to 5cm. Cut by ep shears, chlor-carb fracs 60, 45, 0° c.a., & qz vlts, 1-10mm thick, 20-50° c.a., carrying dissem ep, ep, py ± Mo flakes. Host carries ep aggs & f.g. dissem py & mod. alt. Est Grade 0.3% Cu.	5	3	1	1	1	3	2	2	2	3	2			2			161	164	3	.23	.006		.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp /Vert Comp
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 7
Sheet 13 of 14
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo		Mt	Graphic	Sample No	Sample From	Sample To	m	Cu	MoS2	Au	Ag
164	167	3	100	Mottled, grey-green to dk green fn gr, chloritic granite c brecd chlor-ep blotches. Cut by occas. cl shears, smooth chlor'd crush fracs @ 0°, 45°, 60° a C.A, & Qz vlts, 2-4mm thick, 60-45° to C.A carrying epag & py grains. Host carries ep frags to 4mm in chlorite clots & dissem v.fn gr. py trg. Est grade 0.3% Cu.	5	4	1	1	1	3	2	1	2	3	1		1			164	167	3	.24	.025	.03	.5
167	170	3	95	Mottled, grey-green to dk gr, fn gr, chloritic granite c chlor-ep-sericite blotches. Blocky, cut by chlor-carb fracs @ 0, 45, 60° to C.A, & Qz vlts, 1-20mm thick, 45-60° to C.A, carrying epag ± py gr. Granite host carries epag c chlor. clots & dissem blebs. @ 169.7-170 m mottled, siliceous & chloritic Bx. Est Grade 0.3% Cu.	5	3	2	1	1	3	2	1	2	3	1		1			167	170	3	.10	.019		.5
170	173	3	100	Mottled, grey-green to dk green, frgd. siliceous-chloritic 'spotted' Bx c irreg. chlor-ep-sericite blotches. Blocky interval cut by chlor-carb fracs, sericite-carb shears @ 60° to C.A, & Qz vlts, 2-10 mm thick, 20-45° to C.A, carrying Mo flakes, epag ± dissem py. Host carries ep aggs & v.fn gr. dissem py, Mo. Siliceous zone @ 171.4-171.8m. Est Grade 0.35% Cu, trace Py + Mt.	Za	4	2	1	1	3	2	2	2	3	1		2			170	173	3	.16	.006		.5
173	176	3	95	Mottled, grey-green to dk green siliceous & chloritic spotted Bx 173-174.25m. 174.25-176.0m mottled grey to grey-green fn gr, chloritic granite c chlorite-ep blotches. Cut by irreg. Qz-ep fracs 1-2mm @ 45° to C.A, & truncating Qz vlts.	Za	3	1	1	1	3	2	2	2	3	1		1			173	176	3	.14	.011	.01	.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 7
Sheet 14 of 14
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholy	Veins Dec/Foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Mt	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
Cont'd				also cut by chlor.-carb. faces 60-45° n c.A., & Qz vlts, 2-15 mm thick, 45°-60° n c.A., carrying dissem. Mo flakes, cp aggs & py grs. Bx healed carrys cp aggs & dissem. py. Granite host carrys v. fn. gr. dissem cp & py. Est Grade 0.3% Cu.																							
176	179	3	103	Mottled to uniform grey-green fn. gr., siliceous-chloritic rock & secondary biotite c. 178.1-179 m. Cut by late ep-carb-fracs 0-45° n c.A. (offsetting Qz vlts); smooth chlor-carb fracs n 60° n c.A. also cut by Qz vlts, 2-25 mm thick, 90°-60° n c.A., carrying Mo flakes & cp aggs. Host carrys dissem. fn. gr. cp, py & Mt. Est Grade 0.3% Cu.	2a	3	1	2	1	3	2	2	2	3	1			2			176	179	3	.18	.022		10
179	182	3	98	Mottled, grey-green & dk green spots, siliceous-chloritic rock locally granitic (179.2-179.5). Cut by chlor-carb fracs, & Qz-epidote-carb. stockwork or solution collapse Bx zones also cut by Qz vlts ~3 mm thick carrying Mo flakes & cp aggs. Host carrys dissem. py aggs & v. fn. gr. py ± cp & secondary biotite. Est Grade 0.25% Cu.	2a	2	1	2	1	3	3	2	3	2	1			1			179	182	3	.17	.004		.5
182	185.7	3.7	101	Mottled, green-grey & grey to dk green, fn. gr., siliceous chloritic rock to spotted chlor. granite & chlor-ep. Qz blebs. Cut by Qz vlts 3-15 mm thick, n 60° n c.A., carrying Mo clusters, cp aggs + ep, chlor. Host carrys py aggs & v. fn. gr. dissem. cp ± py, local Biot. Mt. Est Grade 0.25% Cu	5	3	1	2	1	3	3	2	2	2	1			2			182	185.7	3.7	.16	.017	.02	8
				END OF HOLE																							

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing
	-90°	—

PROPERTY GAMBIER ISLAND	Length 212.5	HOLE No. E
Location	Hor. Comp. / Vert. Comp.	Sheet 1 of 17
Elevation	Bearing	Logged by P. Peto
Coordinates 340 W N / 0.5 E	Begun 7-15-79 / Completed 7-20-79	Sampled by J. Elsinga
	Core size B.Q. / Recovery 99.8 %	

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholy	Veins per metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Au	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
0	3.3			Overburden																							
3.3	5.0	1.7	100	Mottled, dk green, fn. gr., altered, siliceous-chloritic rock cut by Qz vn stockwork. Qz vlts, 1-25 mm thick, most ~45° c.A., carry v.fn.gr. dissem. cp > py > Mo. Also cut by limonite coated chloritic fracs ~ 45°-60° c.A. Chlor. host contains v.fn.gr. dissem py & cp aggs. Est. Grade 0.3% Cu.	2a	11	1	1	1	3	1	2	2	3	1			2			3.3	5	1.7	0.42	0.017		1.0
5	8	3	100	Mottled, dk green, fn. gr. altered siliceous chloritic rock cut by Qz stockwork. Qz vlts 1-50 mm thick, often branching, truncated & irreg. orientations, carry v.fn.gr. dissem cp + py. Chloritic matrix carries v.fn. py & dissem cp. Aggs. limonite coated chlorite fracs. Buff to rusty granitic vn. @ 5.7-5.9 m.	2a	11	1	1	1	3	1	1	2	3	1			2			5	8	3	.53	.014		1.8
8	11	3	100	Mottled, dk green to grey-green, fn. gr., altered, siliceous-chloritic rock c̄ chlor.-ep.-Qz spots to 1 cm locally. Cut by Qz stockwork, vlts 1-25 mm, most ~ 60° c.A., carries py/cp trace. Chloritic matrix carries v.fn.gr. py, mt & cp aggs. Cut by pale green, v.fn.gr. Qz-porphyry vns @ 10, 10.4 m. Est. Grade 0.3% Cu.	2a	14	1	1	1	3	2	2	2	3	1			2			8	11	3	.41	.048	<.5	1.0
11	14	3	100	Mottled, dk green to grey-gn, fn. gr., siliceous-chloritic rock consisting of irregular chlorite patches cut by siliceous dioxyphyses. Qz stockwork vlts 1-6 mm thick, carry py, cp. Cp aggs in chlorite [illegible]. Cut by Qz porphyry vn @ 11.85-12.15 m. Est. Grade 0.3% Cu. Dissem. Mo.	2a	13	1	1	1	3	2	2	2	3	1			2			11	14	3	.42	.018		2.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing	PROPERTY GAMBIER ISLAND	Length	HOLE No. 8
			Location	Hor. Comp. / Vert Comp.	Sheet 2 of 12
			Elevation	Bearing	Logged by
			Coordinates N	Begun /Completed	Sampled by
			E	Core size /Recovery %	

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo				GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
14	17	3	100	mottled, dk green to grey-green fn gr., siliceous-chloritic rock c̄ chloritic patches, siliceous matrix. Cut by Qz vlts 1-5mm, irreg. orientations, carrying fn gr. cp, Mo & py grains. Chloritic matrix carrying cp aggs to 1mm & v. fn. cp. Mt. by 15.3-16m Qz-porphyry dk (?) Est Grade 0.25% Cu.	2a	7	1	1	1	3	2	2	2	3	1			2			14	17	3	.23	.019		.5
17	20	3	97	mottled, dk green to grey-green & pale green, fn gr., siliceous-chloritic rock c̄ a brecciated texture consisting of dk chloritic clots set in a pale green matrix. Cut by Qz stockwork, 1-40mm vlts, carrying fn.gr. dissem cp > Py > Mo; also cut by carb-chlorite fracs c̄ slicks ~60° c.a. & cp-qz shears ~40° c.a. Chlorite fracs carry v. fn gr. py ± cp. 20.2-21m, pale green felsite c̄ chloritic spots. Est Grade .2 Cu	2a	7	1	1	1	3	2	2	2	3	1			1			17	20	3	.16	.021	.10	.5
20	23	3	97	Mottled, dk green to pale green, fn gr. siliceous-chloritic rock c̄ chloritic spots to 1cm. Cut by Qz stockwork, 1-10mm, 60-40° c.a. carrys dissem Mo, cp & cp. Chloritic patches carry cp aggs, & fn gr. dissem py and Qz-porphyry vn 21-21.5m. Weakly magnetic locally. ~0.2% Cu	2a	7	1	1	1	3	2	2	2	3	1			2			20	23	3	.16	.027		.5
23	26	3	92	Dk green to pale green, fn gr., mottled siliceous-chloritic rock cut by Qz stockwork. Qz-porphyry vn 23-23.4m. & @ 25m 5cm Qz felsite vn. 60° c.a. Qz vlts, 1-40mm, ~0-60° c.a., carrys cp smears & aggs. & fn gr. py & Mo. Chloritic host carries v. fn gr cp > py > with weakly to strongly magnetic. Est. Grade 0.35% Cu. Some cp along chlor. fracs 1mm thick ~45° c.a.	2a	12	1	1	1	3	2	2	2	3	1			2			23	26	3	.25	.020		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 6
Sheet 3 of 12
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Fr.C	GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
26	29	3	89	Mottled, dk grnish grey-green, fn gr. siliceous to chloritic rock cut by pale green Qz porphyry dykes w/ sheared Qz eye, @ 27.0 - 29.53 m, @ 27.7 to 28.4 and cut by irreg. Qz stockwork vlts, 1-20mm, 60-40° c.a. carrying dissem cp & py. Chloritic rock carries dissem cp aggs, py ± vlt. Qz-porphyry carrying vlts cp & Mo. Est Grade 0.3% Cu.	Za	5	1	1	1	3	1	2	2	3	1			2			26	29	3	.20	.011	.02	.5
29	32	3	101	Mottled, dk green to pale green- grey, fn gr., siliceous chloritic rock & chloritic spots. Cut by pale grn, fn gr., Qz-porph dk 31.6-32.0m. Also cut by Qz epidote seams 1-3mm, ~30° c.a. & Qz vlts, 1-5mm, 90-20° c.a. carrying dissem cp, py ± Mo chloritic blebs carrying v. fn gr dissem py, vlt & cp aggs to 1mm also. Chlor. fracs & slicks ~ 60° c.a. Est Grade ~0.35% Cu.	Za	7	1	1	1	3	2	2	2	3	1			3			29	32	3	.21	.06		.5
32	35	3	95	Mottled, dk green, fn gr. siliceous, chloritic rock w/ irreg. chlor. clots. Cut by pale green Qz porph vns at 32.0 & 32.3m, and irreg. Qz vlts, 1-10mm thick, 45-60° c.a. carrying v. fn gr. Mo, cp > py. Dk green chloritic rock carrying cp aggs to 1mm. Qz-porphyry unmineralized. Est Cu 0.2%. Slicks on chlor. fracs	Za	7	1	1	1	3	1	2	2	3	1			1			32	35	3	.23	.08		1.0
35	38	3	105	Mottled dk green to green, fn gr. siliceous chloritic rock w/ chloritic Bx frags to 1cm. Truncated Qz vlts, 1-5mm thick ~60° c.a. carry dissem py, cp & cp aggs to 2mm. Chloritic matrix carries v. fn gr. cp, vlts & py. Est Grade 0.3% Cu. Chlor fracs w/ slicks & ep + carb ~45-60° c.a. To Molu-	Za	6	1	1	1	3	2	2	2	3	1			2			35	38	3	.28	.08	.01	1.0

DRILL HOLE RECORD

Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 6
Sheet 4 of 17
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Au	GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
38	41	3	90	Mottled, dk green to green, f.gr., siliceous-chloritic rock, c Bx frags to 10cm. Cut by Qz stockwork, 1-100 mm thick, 0-90° ∧ C.A., often bifurcating. Vlts carry dissem f.gr. Mo, Cp aggs, Py ± Cp ± Py along chlorite selvages. Host carries f.gr. Cp in chlor. clots. Pale green Qz-porphy. dyke, 39.8 - 41 m, carry good f.gr. Mo dissem. Est Grade 0.3% Cu.	Zn	11	1	1	1	3	2	2	2	3	1			1			38	41	3	.28	.017		.57
41	44	3	10[illegible]	Mottled dk green to green, f.gr. siliceous - chloritic rock c chlorite clots to 1cm. Cut by Qz vlts 2-20mm thick, 45-90° ∧ C.A., carrys Cp ± Mo. Chloritic host carrys v.f.gr. Mt, Cp aggs & f.gr. Py ± Cp. Cut by chlorite fracs c slicks & hairline epidote fracs. Est Grade 0.3% Cu	Zn	7	1	1	1	3	2	2	2	3	1			2			41	44	3	.43	.010		1.0
44	47	3	104	Dk green, mottled f.gr. siliceous-chloritic rock c chlor spots to 1cm. Cut by irreg epidote fracs to 1cm ~90° ∧ C.A. & Qz vlts 1-40 mm thick ~45-60° ∧ C.A., carrys Cp ± Mo, Py in aggs & v.f.gr. dissem. Chloritic host carrys v.f.gr. Mt, Cp ± Py dissem's. Smooth chlor. fracs ~60° ∧ C.A. Est Grade 0.3% Cu	Zn	7	1	1	1	3	2	2	2	3	1			2			49	47	3	.39	.022	.02	1.0
						6	1	1	1	3	2	2	2	2	1			1									
47	50	3	10[illegible]	Mottled, dk green to grey-green f.gr., siliceous-chloritic rock c chlor. spots. Cut by Qz-epidote fracs & slicks, 1-10 mm thick, ~80° ∧ C.A. chlorite fracs c slicks ~60° ∧ C.A. & Qz vlts 1-140 mm thick, 20°-60° ∧ C.A. Carrys dissem Cp ± Mo ± Py. Host carrys aggs ± f.gr. Py. Est Grade 0.2% Cu.	Zn																47	50	3	.33	.015		.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. C
Sheet 5 of 17
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholy	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bn			W	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
50	53	3	100	Mottled, dk green, fn. gr., siliceous-chloritic rock with chlor. spots to 2 cm. Cut by epidote sheens, 3-10 mm thick ~40° a.c.A. Also cut by smooth chlor. fracs 45-60° a.c.A. & Qz vlts, 1-25 mm thick, 80-10° a.c.A. carrying Mo, cp ± py grains. Chlor. [illegible] v. fn. gr. mt ± py. Est. grade 0.2% Cu.	2a	7	1	1	1	3	2	2	2	2	1			2			50	53	3	.30	.021		.5
53	56	3	100	Mottled, dk green, fn. gr., siliceous-chloritic rock with chlor. spots to 2 cm. Cut by Qz-epidote sheens ≤1 mm, ~80° a.c.A. Chlor. fracs 45-60° a.c.A. & Qz vlts 2-10 mm, 10-80° a.c.A., some bifurcating, carrying dissem. cp, Mo & py. [illegible] cm Qz vn @ 65 m. Host carrying v. fn. gr. dissem. cp, mt & py. Est. grade 0.25% Cu.	2a	5	1	1	1	3	2	2	2	2	1			2			53	56	3	.21	.015	.07	.5
56	59	3	100	Mottled, dk green, fn. gr. spotted, siliceous-chloritic rock. Cut by Qz-epidote fracs 2 mm thick, 70° a.c.A. & Qz vlts, 2-10 mm thick, ~60-70° a.c.A., some broken up, carrying dissem. cp, Mo & py. Chlor. both carrying v. fn. gr. dissem. mt, cp ± py & cp aggs. in chlor. clots & selvages. Smooth chlor. fracs 45-60° a.c.A. Est. grade 0.2% Cu	2a	8	1	1	1	3	2	2	2	2	1			2			56	59	3	.80	.032		.5
59	62	3	100	Mottled, dk green to grey-green, fn. gr., siliceous-chloritic rock with fragments(?) of chloritic med. gr. [illegible], set in a green fn. gr. siliceous matrix. Cut by anastomosing Qz stockwork. Qz vlts, 1-10 mm thick, 0-60° a.c.A., carrying Cp, py & Mo. Host carrying v. fn. gr. dissem. mt, py, cp. Est. grade 0.2% Cu.	2a	7	1	1	1	3	2	2	2	2	1			2			59	62	3	.29	.016		.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 6
Sheet 6 of 17
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholog'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bn				Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
62	65	3	95	Mottled, dk green to grey-green, f.gr., spotted silicious-chloritic rock c grey spots of chlor. & ep. in same. Cut by ep. Qz stringers 1-3mm thick 60-40° ^ C.A. & chlorite fracs c pronounced slicks. Qz vn. stockwork c vlts 2-25mm, 0-90° ^ C.A. most ~60° ^ C.A. carrying dissem cp, py. Host carrys v.f.gr. cp agg. Est Grade 0.15% Cu	Za	11	1	1	1	3	2	1	2	2	1			1			62	65	3	.15	.016	.05	.5
																					65	68	3	.31	.021		.5
65	68	3	100	Dk green to grey, mottled, f.gr. silicious chloritic rock cut by grey-anastomosing Qz stockwork vlts, 1-20mm thick 20°-60° ^ C.A., carrying v.f.gr. cp, dissem. Mo, py & ep. chlor. Host carrys v.f.gr. ct, cp agg & py. Est. Grade 0.15% Cu. Chlor. fracs c slicks 45-60° ^ C.A. & epidote-Qz stringers, some Mo smears on fracs	Za	9	1	1	1	3	2	2	2	2	2			2									
68	71	3	103	Mottled, dk green to pale green, f.gr., silicious-chloritic rock cut by Qz stockwork, smooth chloritic fracs 60-45° ^ C.A. Qz vlts, 2-20mm thick, 20-60° ^ C.A. carrying Mo, cp, py specks. Host carrys cp agg, f.gr. cp, py & Mo. Est grade 0.25% Cu	Za	9	1	1	1	3	2	2	2	2	1			1			68	71	3	.21	.030		.5
71	74	3	97	Mottled, dk green to grey, f.gr., silicious-chloritic rock cut by smooth chlor. fracs ~60° ^ C.A., Qz vlts, 2-20mm thick, 60-40° ^ C.A., carrying v.f.gr. dissem cp, py. Host carrys cp agg to 2mm, ep fracs (vlts to 1mm thick) & v.f.gr. dissem cp, py. Est grade 0.3% Cu. At 73.8m, slick zone ~20° ^ C.A.	Za	7	1	1	1	3	2	1	2	3	1			1			71	74	3	.31	.024	.03	1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor Comp / Vert Comp
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. E
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Logged by
Sampled by

FOOTAGE From	To	RECOV'Y Run	%	DESCRIPTION	LITHOL'Y	VEINS per foot	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo		U.S.	GRAPHIC	SAMPLES No.	From	To	in	ASSAYS Cu	MoS₂	Au	Ag
74	77	3	100	Dk green to pale green, mottled fine gr. siliceous - chloritic rock & spotted texture, cut by smooth chlor fracs 60-45° c.a, epidote fracs, <1mm, ~60° a.c.a, 1 Qz v.lts, 2-5mm thick 0°-70° a.c.a, carrying Cp, py ± Mo grains. Chloritic & dusty coating fracs, minor py, cp - Est Grade 0.2% Cu	2a	8	1	1	1	3	2	2	2	2	1		1			74	77	3	.25	.001		.5
77	80	3	100	Dk green, mottled, fine gr. siliceous - chloritic rock & irregular dk chloritic spots smooth, chlor. fracs ~45° a.c.a, Qz-cp. stwrs @ 70° a.c.a, 1-2 Qz v.lts, 2-20mm thick, ~45-60° a.c.a, carrying trace cp, py Host carries Vfg cp disem cp & py. Est Grade 0.2% Cu (Rock cores well, it is easy to cut) Local wt. alteration along chloritic selvages ± cp.	2a	11	1	1	1	3	2	2	2	2	1		2			77	80	3	.27	.015		1.0
80	83	3	100	Mottled, dk green, fine gr. siliceous - chlor. pic. rock. Cut by smooth chlor fracs, ~60° a.c.a, epidote - Qz - chlor. stwrs ~45° a.c.a, Qz v.lts, 1-5mm thick, 45-70° a.c.a, carrying disem mo, cp. Host carries trace cp, py, Est Grade 0.2% Cu. Numerous slickensided irreg. fracture planes	2a	9	1	1	1	3	2	2	2	2	1					80	83	3	.25	.021	.004	.5
83	86	3	100	Mottled, dk green, fine gr. siliceous - chloritic rock & dk green spots to 1cm. Cut by epidote stwrs, <1mm, & smooth chlor fracs ~45-60° a.c.a. Also cut by Qz v.lts, 1-20mm thick, 20-70° a.c.a, carrying Cp, py ± Mo grains. Host carries trace cp, py, cp & Mo. Est Grade 0.15% Cu. Local ca fracs (<1mm) Qz porphyry ran 185.45-185.80m	2a	7	1	1	1	3	2	2	2	2	1		1			83	86	3	.27	.013		2.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates E4W N
0.5 E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 8
Sheet 8 of 17
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Lithol'y	Veins per Foot	S	B	K	C	E	Mo	Py	Cp	Bo			Li	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
86	89	3	93	Mottled, dk green to grey-green fn. gr., siliceous - chloritic rock c̄ dk spots to 1cm. Cut by Qz vlts, 3-15mm thick, 90-45° to C.A., carrying traces of Moly. Chloritic host carrys v. fn. gr. dissem. cp, py + MoS2. Est grade 0.15% Cu. 86.9-88m & 88.2-89.0m Qz porphyry veins, unmineralized.		8	1	1	1	3	2	2	2	2	1			1			86	89	3	.19	.017		1.5
89	92	3	102	Dk green to green, mottled, fn. gr. siliceous - chloritic rock with chlor. spots 89-91.2 m. 91.2-92m pale green, irreg. Qz blebs. Cut by Qz vlts, 2-30 mm thick, 45-70° to C.A. carrying traces cp. Spotted rock carrys dissem cp aggs & stringers locally ± py gr. Qz porphy carrys dissem. Moly grs. Est. Grade 0.25% Cu.		9	1	1	1	3	2	3	2	2	1			1			89	92	3	.73	.045	.02	2.5
92	95	3	100	Mottled, green to dk green, fn. gr. siliceous - chlor. rock c̄ irreg. spots to 1cm. Qz porphy 92.6-92.9 m. Qz vlts, 2-40 mm thick 70 ± 10° to C.A., carrying dissem. fn. gr. cp, MoS2. Host rock carrys v. fn. gr. dissem. cp ± py aggs. Est Grade Cu. 0.25% [illegible] v. fn. gr. Mo in matrix.		6	1	1	1	3	2	2	2	2	1			1			92	95	3	.29	.022		2.0
95	98	3	100	Mottled dk green to green fn. gr., siliceous-chloritic rock c̄ chlorite spots to 1cm. Cut by Qz vlts, 1-8mm thick, 90-60° to C.A. carrying traces cp, py. Chloritic host carrys cp aggs [illegible] stringers to 1mm across. Also cut by mm-thick [illegible] & chlor. [illegible]. Est. Grade 0.2% Cu.		8	1	1	1	3	2	1	2	2	1			1			95	98	3	.30	.013		2.0
98	101	3	100	Mottled dk green to green, fn. gr. Siliceous - chloritic rock c̄ [illegible]. Qz vlts, 1-5mm, 45-60° to C.A., carrys dissem fn. gr. Moly, Cp. Host carrys dissem. Mo, cp locally. Est. Grade 0.2% Cu. [illegible]		8	1	1	1	3	2	2	2	2	1			1			98	101	3	.23	.017	.03	1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND	Length		HOLE No. 8
Location	Hor. Comp.	/Vert Comp.	Sheet 9 of 17
Elevation	Bearing		Logged by
Coordinates N	Begun	/Completed	Sampled by
E	Core size	/Recovery %	

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo		GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
101	104	3	103	Broken interval, cut by numerous irreg. fracs. & scaly "fault", sericite & carb. alteration. Shearing ~45° to C.A. Dk green mottled, fn gr. siliceous chloritic rock; 102.9-104m fractured, altered, fn gr., pale green Qz-porphyry. Evidence of mineralization obliterated by shearing & leaching. Est Grade 0.1% Cu.	gouge 2a	5	3	1	1	3	1	1	1	2	1	1			101	104	3	.32	.02		3.0
104	107	3	106	Gouge 104.6-104.9m, numerous irreg. fractures & second. carb, sericite. Dk green, broken, fn gr., altered siliceous-chloritic rock 104-104.9m, Pale green, fn gr. highly fractured, soapy altered rock & seams of Mo & dissem. cp along fracs. 104.9-106.1m, Dk green fn gr. frac. rock 106.1-106.46m. Dk green, uniform, v. fn gr. unfractured diorite(?) dyke 106.5-107m. Dissem cp aggs in dk green host, also along fracs. Est Grade 0.2% Cu.	2a gouge	4	3	1	1	3	2	5	2	2	1	1			104	107	3	.18	.019		3.0
107	110	3	106	107-107.9m dk green, fn gr., massive chloritic dyke rock cut by irreg. epidote-Qz fracs. & cp blebs (<1mm). 108.2-110m pale green, Qz-porphyry & Qz phenos to 1cm set in fn gr. siliceous matrix. 107.9-108.2 dk green fn gr. siliceous-chloritic rock cut by Qz vlts, 2-10mm thick, ~45° to C.A. & tr. Mo. Seams of mass. cp to 2mm ~45° to CA @ 107.6 to 108.4m. V. fn gr. dissem Mo in Qz Porphyry. Est Grade 0.3% Cu.	2a 5	7	1	1	1	3	1	3	1	2	1	1			107	110	3	.16	.015	.01	2.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. E
Sheet 16 of 17
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Foot	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo				GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
110	113	3	100	110 – 110.2 m Pale green Qz porph. 110.2 – 112.5 m dk green, mottled fine gr., siliceous-chloritic rock c inter. chl-ep spots to 1cm. 112.5 – 113 m dk green, mottled Qz porph. c Qz phenos to 1cm, & dk green chlor pseudomorphs set in a green siliceous matrix. Cut by Qz vlts, 80-90° ∧ C.A., 2-30mm, carrying [illegible] v.fn. gr. diss. cp & Mo. Host carrying sparse [illegible] diss. cp. Est. Grade 0.25% Cu.	5	7	1	1	1	3	7	2	2	2	1			1			110	113	3	.34	.010		2.0
113	116	3	90	Mottled, green & dk green spots & grey blebs, porphyritic c grey Qz phenos, 2-10mm across & subangular chloritic pseudomorphs after mafics, 1-3mm set in a green siliceous matrix c occ. ovoid plag phenos to 5mm. Dissem. cp & Mo, thin 1mm cp seams, traces py. Non magnetic. Cut by pale green Qz porphy. vns [illegible]. Est. Grade 0.18% Cu.	5	2	1	1	1	3	1	1	2	3	1			1			113	116	3	.15	.025		1.0
116	119	3	98	Mottled green to dk green porphyritic dyke, consisting of Qz phenos & plag 2-5 mm across, equidimensional ovoid shapes, & subangular chlorite pseudomorphs 1-3mm set in a siliceous matrix. Possibly a rhyodacite porph. Cut by occasional chlor. frac. & pale green Qz vlt ~60° ∧ C.A. carrying v.fn.gr. dissem. MoS2, py, & cp. Est. Grade 0.1% Cu.	5	1	2	1	1	3	2	1	2	2	1			1			116	119	3	.10	.05	.01	.5
119	122	3	102	119 – 120.3 & 121.2-122.0 m pale green, porphyry c grey feldsp. & pale green Qz phenos to 10mm set in a soapy, v.f.gr. Qz-sericite matrix c v.f.gr. diss. MoS2 & py. 120.3 – 121.2 m dk green, mottled chloritic Qz porphyry c cp. Aggs. Est. Grade 0.35% Cu.	5	3	2	1	1	3	1	3	2	2	1			1			119	122	3	.07	.26		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 6
Sheet 11 of 12
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALT. S	ALT. B	ALT. K	ALT. C	ALT. E	MIN. Mo	MIN. Py	MIN. Cp	MIN. Bn			M	GRAPHIC	SAMPLES No.	SAMPLES From	SAMPLES To	m	Cu	MoS2	Au	Ag
122	125	3	100	122 - 124.5 m pale green siliceous sericitic Qz porphyry c pale green / grey Qz + plag phenocrysts 1-5 mm. 124.5 - 125 m dk green, mottled siliceous - chloritic rock. Qz vlts barren, host carrys v. fn gr. dissem mo & cp. Est Grade 0.15% Cu.	5	6	3	1	1	3	2	3	1	2	1			1			122	125	3	.21	.011		1.5
125	128	3	95	125 - 125.8 m dk green, mottled fn gr. siliceous - chloritic rock c sparse dissem v. fn gr. cp. 125.8 - 128 m lighter green, mottled sericitic - chloritic - siliceous rock c cp / Mo in dissem gr. Qz vlts, c trace cp, 2-5 mm thick @ 45-60° c.a., smooth chlor. fracs. Est Grade 0.2% Cu.	5	5	2	1	1	3	1	2	2	2	1			1			125	128	3	.26	.014	.02	.5
128	131	3	101	128 - 128.6, 129. - 131 m mottled, dk green, fn gr. siliceous - chloritic rock. 128.6 - 129 Qz porphyry. Cut by Qz vlts, 2-10 mm, @ 45° c.a., carrys cp / Mo c cp along chlor. [illegible]. Host carrys v. fn. gr. cp, py [illegible]. Est Grade 0.2% Cu.	5	4	1	1	1	3	2	1	2	2	1			1			128	131	3	.29	.019		2.0
131	134	3	93	Dk green, mottled, fn gr. siliceous - chloritic rock. 132.7 - 133.3 m, pale green, Qz porphyry [illegible], cut by Qz vlts, c trace [illegible] cp stringers [illegible] thick, irreg. [illegible] along fractures. Qz porphyry carrys cp [illegible], [illegible] to 2 mm. Est Grade 0.4% Cu.	5	5	1	1	1	3	2	2	2	3	1			1			131	134	3	.36	.014		2.5
134	137	3	100	134 - 134.9 m, mottled dk green fn gr. siliceous-chloritic rock. 134.9 - 137 pale green, siliceous-sericitic fn gr. altered rock. EQUIVALENT to Qz porphy. Qz vlts, 2-5 mm, c cp / Mo. Host carrys v. fn gr. dissem cp / Mo. Est Grade 0.3% Cu	5	5	3	1	1	3	2	2	1	3	1			1			134	137	3	.26	.013	.02	3.0

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar		

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 5
Sheet 12 of 17
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo		W?	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
137	140	5	103	Mottled dk green to pale green fine gr. siliceous-chloritic rock [illegible] development of Qz eyes @ 139.5 - 139.8m, chlor-ep spots to 20mm possible [illegible] Cut by occ Qz, ks, 2 - 20mm, 20-60° c.a. [illegible] cp. Host carrys cp aggs & blebs stringers all [illegible] 2mm. Est grade 0.4% Cu	5	4	2	1	1	3	2	1	1	3	1		1			137	140	3	.31	.009		2.5
140	143	3	101	Broken interval fractured, slickensided fault zone c smeared Mo @ 148m. Broken Qz vlts, dk green, mottled, fn. gr. siliceous-chloritic rock. Numerous chlor fracs & slicks, ep aggs. Sericitic from 140.8 to 143 c dissem Mo. Est grade 0.2% Cu	5	4.	2	1	1	3	2	3	1	2	1		1			140	143	3	.20	.025		2.0
143	146	3	97	143 - 143.5 pale green, fn gr. altered sericitic - chloritic rock. 143.5-146 m dk green, mottled, fn gr. siliceous - chloritic rock. Cut by 14 cm Qz vns @ 145.4 & 145m, [illegible] Mo & cp. Host carrys [illegible] cp, Bn(?) Est grade 0.2% Cu.	5	4	2	1	1	3	2	2	1	2	2		1			143	146	3	.17	.015	.01	.5
146	149	3	100	146 - 147.2 m pale green mottled fn gr. sericitic - chloritic rock c fn gr. dissem Mo. 147.2 - 149m, dk green, mottled, fn gr. siliceous - chloritic rock c epidote-chl. clots c sp aggs to 2mm. Cut by chlor. fracts & slicks Est grade 0.3% Cu	5	3	3	1	1	3	2	2	1	2	1		1			146	149	3	.26	.015		1.0
149	152	3	103	Fractured interval. 149 - 149.2 & 149.6 - 150.9 mottled dk green silic-chloritic rock. 149.2 - 149.6 m dk gr. fn gr. mafic dyke. 150.9 - 152 m pale green, fn gr. sericitic-chloritic dyke c ep aggs & v.fn gr. dissem Mo.	5	4	3	1	1	3	2	2	1	2	1		1			149	152	3	.17	.018		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 8
Sheet 13 of 17
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholy	Veins per metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			M	Graphic	Sample No.	Sample From	Sample To	m	Cu	MoS2	Au	Ag
152	155	3	97	Block, intensely fractured shear zone, foliation ∼ 20-40° c.a. 152 - 152.3, 153.1-155m pale green fn. gr. sericitic chloritic rock. 152.3 - 153.1m dk green fn. gr., mottled siliceous-chlorite rock. Broken Qz vlts, ē dissem. sp./py. Chlor. frac's ē slick ∼ 40° ∼ c.a. Poorly mineralized due to leaching along fault zone.	.5	20	3	1	1	3	2	2	1	2	1			1			152	155	3	.16	.013	.02	5
155	158	3	100	Blocky interval. 155 - 156.4m pale gr. fn. gr. fractured sericitic - chloritic rock ē cp agg. to 1mm. 156.4 - 158 m mottled dk gr., porphyritic, siliceous chloritic rock ē ovoid Qz phenos to 5mm, ē cp agg ± Bo. Qz vn, 15cm thick @ 156m ē chlor. - cp - cp - Mo. Est. Grade 0.35% Cu. Dk gr., Qz porphy locally magnetic	.5	2	3	1	1	3	2	2	1	2	2			2			155	158	3	.05	.04		1.0
158	161	3	100	Blocky interval cut by small occas. chlorite blocs ē slicks. mottled, dk green, porphyry ē Qz megacrysts to 7mm, set in a chloritic - epidote - siliceous matrix ē dissem. cp aggs. 159.7 - 160.5 m, pale green highly frac., sericitic chloritic rock ē v. fn. gr. dissem. Mo. Est. Grade 0.2% Cu.	.5	1	2	1	1	3	2	2	1	2	1			1			158	161	3	.19	.24		2.0
161	164	3	100	Blocky interval, ē numerous chlor. fracs ē slicks. mottled dk green, porphyritic, siliceous - chloritic dacite? ē Qz ovoids to 5mm ē chlorite pseudomorphs, ē cp aggs to 2mm, as well as v. fn. gr. dissem. cp. Cut by occas. hairline spotted fracs. Est. Grade 0.2% Cu	.5	?	2	1	1	3	2	1	1	2	1			1			161	164	3	.13	.08	.01	2.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 8
Sheet 14 of 17
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Lithol'y	Veins per metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bn				Graphic	Sample No.	Sample From	Sample To	m	Cu	MoS2	Au	Ag
164	167	3	100	Mottled, dk green, fn gr., siliceous - chloritic rock cut by milky Qz vlts, 2-40 mm thick, 10-60° c.a., carrying cp, py (±Bn?) or covellite, locally. Host carrys dissem cp aggs ± Bn. Est Grade 0.3 % Cu.	5	11	2	1	1	3	2	1	1	2	2			1			164	167	3	.21	.010		2.0
167	170	3	100	Mottled, dk green to green, fn gr., siliceous - chloritic rock ē chlor.-epidote-sericite? fragments set in a siliceous matrix. Cut by Qz stockwork vlts, 2-15 mm thick, 30-45° ^ c.a., carrying cp ± cp/Bn aggs to 1 mm. Host carry dissem cp aggs + Bn locally. Est Grade 0.25 % Cu	5	10	2	1	1	3	2	1	1	2	2			1			167	170	3	.13	.011		2.0
170	173	3	97	Mottled, dk gr to green, locally grey, fn gr., siliceous - chloritic rock cut by Qz stockwork vlts, 2-5 mm, 45-60° ^ c.a., carrying v. fn gr. dissem cp. Host carry v. fn gr. dissem cp, py, cp frac fills ≤1 mm thick locally. Est Grade 0.3% Cu.	5	12	2	1	1	3	2	1	2	2	1			1			170	173	3	.40	.029	.01	3.0
173	176	3	102	Mottled, dk green, fn gr., siliceous - chloritic rock ē grey chlor-ep ± cp spots to 5 mm, & fn gr dissem cp ± Bn. 173.8-174.5 m, pale green, sericitic Qz-porphyry ē Qz phenos to 5 mm & dissem cp aggs in thin fracs locally. Qz porphyry @ 175.35-176 m. Qz vlts, 2-10 mm thick, 20-45° ^ c.a. carrying cp ± Bn ± MoS2 as v. fn gr. dissem. Est Grade 0.25 % Cu	5	5	2	1	1	3	2	2	1	2	2			1			173	176	3	.42	.012		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 8
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Logged by [illegible]
Sampled by [illegible]

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per m	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bn				GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
176	179	3	100	Mottled green, heterogeneous qtz porphyry containing numerous irregular aggregates of chlorite-sericite [illegible]. Qtz vein stockwork throughout: vlts ≤1cm thick, generally 60°-80° [illegible]. Qtz phenos form large 'eyes' to 8mm. Local qtz breccia at 178m. Dissem cp throughout, mainly in chlorite-sericite aggregates	.5	6	2	1	1	3	1	2	1	3	2			1			176	179	3	.13	.010		1.0
179	182	3	100	Mottled heterogeneous qtz porphyry with numerous fragment-like aggregates of sericite-chlorite. Qtz phenos to 5mm, dispersed throughout, locally up to 25% over 15cm lengths of core. Qtz vein stockwork: 2cm vlts 60° to CA, vary from 0° to subparallel core. Intensely altered: chl-sericite. Dissem cp, bn, mb in vlts and dissem aggregates & fracture coatings - fine grained. Est. .35% Cu.	.5	12	2	1	1	3	1	2	1	3	2			1			179	182	3	.15	.029	.01	1.5
182	185	3	100	Intensely altered qtz porphyry with numerous fragment-like chl-sericite aggregates throughout. Rare qtz phenos. "Flooded" with qtz vlts from 1-10mm generally 60° to CA. Cp bn (cp>>bn) dissem throughout as fine grained aggregates. Mb in and adjacent to vlts. Est. .48, locally 1.5% Cu.	.5	14	2	1	1	3	1	2	1	2	2			1			182	185	3	.30	.007		1.5
185	188	3	100	Intensely altered qtz-eye porphyry, qtz phenos rare to absent, rock [illegible], linear qtz vlts throughout - general "flooding" vlts 2mm-10mm; [illegible] dissem throughout. Mottled with irregular chl-sericite aggregates & fragment-like bodies. Cp, bn throughout, fine grained dissem aggs, mb mainly in vlts. Est. .65% Cu.	.5	15	2	2	1	2	1	2	1	3	2			1			185	188	3	.70	.069		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 8
Sheet 16 of 17
Logged by [illegible]
Sampled by J. E. Brago

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per m	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Vn	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
188	191	3	100	Subporphyritic to equigranular qtz "porphyry" - intensely altered: chlorite, sericite, clay, biot(?), cut as CE by stockwork. Mottled green-grey-white. Local qtz phenos up to 8mm. Qtz vlts 5mm averaging up to 3cm, ~60° CA. 3% sulphides cp, bo, mb; generally disseminated grains commonly in chl-ser aggregates. Qtz vlts min to barren. Est. grade .25% Cu.	5	15	2	2	1	3	1	2	1	3	2			1			188	191	3	.20	.011	.01	2.0
191	194	3	100	Intensely altered qtz porphyry to subporphyritic granite, cut by numerous qtz vlts throughout ~60° CA. Mottled green-white: irregular aggregates of chl-sericite (40%). Qtz vlts hairline to 1cm - generally barren, local cp, mb. 2% dissem sulphides cp, bo ± mb throughout altered porphyry - commonly in chl-ser aggregates. Est. .25% Cu.	5	18	2	1	1	3	1	2	1	3	2			1			191	194	3	.24	.003		1.5
194	197	3	100	Altered subporphyritic granitic rx, mottled grey-green-white 30% irregular sericite-chlorite aggregates forming irregular masses to 3cm. Numerous qtz vlts: hairline - 3cm, ~60° CA. 2% dissem cp + bo; mb dissem in qtz vlts. Est. .25% Cu.	5	17	2	1	1	3	1	2	1	2	2			1			194	197	3	.25	.007		2.0
197	200	3	100	Dark grey dacite dyke at 197.2 m, sharp contact 30° CA. 30% blocky plag phenos ~2mm, 10% rounded qtz phenos (2mm) set in fine grained matrix. Numerous ep vlts + stringers. Barren	6	0	1	1	1	1	3	1	1	1	1			1			197	200	3	.06	.003	.01	1.0
200	203	3	100	Grey qtz-feldspar (dacite) porphyry dyke. 2% subhedral qtz, 30% tabular plag, 5% mafic grains in fine grained matrix. Fine grained ep or feldspar. Ep-filled fracts common. Generally barren.	6	0	1	1	1	1	3	1	1	1	1			1			200	203	3	.02	.001		1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND	Length		HOLE No. 6
Location	Hor. Comp.	/Vert. Comp.	Sheet 17 of 17
Elevation	Bearing		Logged by [illegible] Fox
Coordinates N E	Begun	/Completed	Sampled by J. [illegible]
	Core size	/Recovery %	

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per m	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bu			H?	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
203	206	3	100	Barren dacite porphyry dyke to 205.4m: sharp contact 40° t.c.a. Fine grained porphyritic margin 204-205.4. Altered subporphyritic qtz porphyry to 206m. Cp stringers in porphyry unit to 206m.	6 / 5	0 / 3	1 / 2	1 / 1	1 / 1	1 / 3	3 / 2	1 / 2	1 / 1	1 / 2	1 / 2			1 / 1			203	206	3	.09	.02		1.0
206	209	3	100	Extensively altered, mottled grey-green-white subporphyritic qtz porphyry. 30% irregular sericite aggregates and blebs to 3cm. 10% large qtz phenos to 8mm. Qtz v/ts 45° t.c.a; up to 1cm, generally not common. [illegible] possibly intermineral porphyry dyke ±1% dissem cp. Est .20% Cu.	5	3	1	1	1	3	1	1	1	2	1			1			206	209	3	.25	.006		2.5
209	212.5	3.5	100	Mottled, equigranular to subporphyritic porphyry. Numerous qtz. v/ts forming stockwork v/ts to 3cm. Trace dissem moly, + cp v/ts ~60° t.c.a. 30% chlorite aggregates. 1% dissem cp, py throughout. Est. .30% Cu.	5	15	2	1	1	3	1	2	1	2	2			1			206	212.5	3.5	.32	.027	.01	2.5

END 212.5 m.

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar	-90	–

PROPERTY GAMBIER ISLAND
Location
Elevation 125 metres
Coordinates 120 W N / 090 N E

Length 159.6
Hor. Comp. / Vert Comp.
Bearing
Begun 28-7-1979 / Completed [illegible]
Core size BQ / Recovery 99.4%

HOLE No. 9
Sheet 1 of 12
Logged by P. Peto
Sampled by J. [illegible]

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS Per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Mt	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag		
0	10.7	10.7		OVERBURDEN (GLACIAL TILL)																									
10.7	14	3.3	100	Blocky interval, blackish-green, massive, fn.gr. mafic dyke, locally porphyritic consisting of [illegible] plag phenos set in dark chloritic-epidote matrix. Cut by smooth chloritic fracs ~60° n.c.a. & Qz-epidote, carbonate fracs 40-60° n.c.a. Unmineralized, Nonmagnetic	6		1	1	1	4	2	1	1	1	1			1											
14	17	3	100	Blocky interval, Dark green to speckled green & grey, massive, f.gr. equigranular to porphyritic mafic dyke, consisting of pale green plag set in a chloritic matrix & epidote. Cut by numerous, discrete, white carbonate fracs, 50-60° n.c.a., 2-4mm thick. Unmineralized.	6		1	1	1	4	2	1	1	1	1			1											
17	20	3	113	Blocky interval, dk grey-green, fn.gr., massive, equigranular mafic dyke consisting of altered plag set in chlorite-epidote matrix. Cut by ~10 white carbonate ± py fracs per metre, ~45°-60° n.c.a. Well developed solution collapse Bx c̄ dyke frags set in open calcite - dk green chlorite - pale green sericite(?) ± py cubes secondary cement @ 18.2-18.8 m, & 19.44-19.6 m. Well developed fault gouge c̄ rolled dyke frags @ 19-19.2 m, ~45-60° n.c.a. Unmineralized	6		1	1	1	4	2	1	2	1	1			1											
20	25	5	96	Blocky interval, dk green to grey-green, massive, f.gr., equigranular to porphyritic mafic dyke c̄ Qz-epidote, porph. pebbles to 5mm @ 20-22 m. Cut by smooth chlorite fracs ± slicks & white carbonate fracs 1-5mm	6		1	1	1	4	2	1	2	1	1			1											

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar		

PROPERTY GAMBIER ISLAND	Length		HOLE No. 9
Location	Hor. Comp.	/Vert. Comp.	Sheet 2 of 12
Elevation	Bearing		Logged by
Coordinates N	Begun	/Completed	Sampled by
E	Core size	/Recovery %	

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Mi	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
				45-90° a c.a, ± py. ~ 6/metre. Carries v.fine gr dissem py. locally: 24.1 fault gouge ~10cm, ~45° a.c.a. Unmineralized.	Gouge																						
25	28	3	100	Speckled, grey to green med to coarse grained, massive, inequigranular altered chloritic epidote QFP or granite. Consists of grey equant, subhedral Qz xtls, pale green sericitic med gr. feldspar xlts c interstitial chlorite aggs ± dissem cp & dissem fine gr epidote porphyroblasts [illegible]. Cut by carbonate & chlorite-carb fracs ~60° a.c.a & Qz xlts, ~5mm thick ~45° a.c.a. carrying dissem. fn. gr. cp. Host granite carrys cp coatings on microfracs on qz grains & [illegible] in chlorite. Nonmagnetic. Est sulphide 0.2% Cu.	5	2	1	1	1	3	2	1	1	2	1			1			25	28	3	0.24	0.006		2.0
28 (Blocky	31 interval)	3	80	mottled or speckled, grey-green, massive, medium grained, inequigranular to porphyritic (QFP) of chloritic granite. Consists of med. gr. grey Qz xlts to 3mm, milky equant feldspar to 3mm, [illegible], interstitial chlor-ep clots to 1cm & v.fn gr. compact siliceous matrix ~20%. Granite carrys dissem cp aggs & [illegible] flakes. Cut by numerous [illegible] fracs & carb-& Qz xlts ~3mm thick carrying diss cp ± py. Occ epidote spots	5	2	1	1	1	2	2	2	2	3	1			1			28	31	3	.22	.008		2.0
31	34	3	80	Blocky interval, speckled grey to green, med gr., chloritic granite (QFP) cut by carb. fracs, Qz xlts 3mm thick, ~80° a.c.a, ± dissem cp. Granite carrys dissem cp in chlor clots & ep [illegible] along qz fracs. Est sulphide 0.3% Cu.		2	1	1	1	2	2	1	2	3	1			1			31	34	3	.32	.007	.01	3.0

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar		

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 9
Sheet 3 of 12
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Mt	GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
34	37	3	95	Blocky interval, mottled grey to green, med. gr., highly fractured, chloritic granite with alteration [illegible] epidote & sericite accs. Cut by irregular sericite-chlor. fracs & Qz vlts, fragmented by fracs. 10 cm breccia zone @ 35° to CA & pale green sericite zone @ 3[illegible] 2 cm thick. Host carries dissem. Cp aggs & grains. Est Grade 0.2% Cu	5	2	2	1	1	2	2	1	1	2	1			1			34	37	3	.17	<.005		1.5
37	40	3	92	Blocky interval, highly fractured, cataclastic (sheared) zone & chloritic granite cut by chlor-sericite fracs & shears 10-30° to CA, also cut by Qz-carb vlts 30° to CA. Granite ill leached, carries dissem cp. Est Grade 0.1% Cu	5	2(?)	2	1	2	2	2	1	1	2	1			1			37	40	3	.21	.007		1.5
40	43	3	90	Blocky interval, highly fractured & sheared with chlor-carbonate-sericite alteration. Shearing ~20° to CA cut by Qz-sericite vns, 1cm thick, Qz vlts ~3mm thick. Mo appears on fracs & dissem cp cutting Qz grs. Mottled chloritic granite, med gr., Est Grade 0.15% Cu	5	1	2	1	1	2	2	2	1	2	1			1			40	43	3	.18	.011	.01	2.0
43	47	3	59	Core loss, blocky, highly fractured & sheared interval. Mottled med. gr. chloritic granite with chlor & sericite-carb alteration. Qz grs to 1cm. Carries cp along microfracs in Qz grs & cp aggs in chlor clots. Est Grade 0.2% Cu	5	1(?)	2	1	1	2	2	1	1	2	1			1			43	46	3	.12	.013		1.0
47	50	3	100	Blocky, highly fractured & sheared interval, mottled, med to coarse gr. chloritic granite cut by Qz-sericite vns, Qz vlts, 3-5 mm, ~60° to CA, with dissem cp & Mo. Sericite-chlor-carb alteration ~20° to CA along shears. Granite carries dissem fine gr. cp. Est Grade 0.2% Cu	5	3	2	1	1	2	2	2	1	3	1			1			46	49	3	.20	.019		1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND	Length		HOLE No. 9
Location	Hor. Comp.	/Vert Comp.	Sheet 4 of 12
Elevation	Bearing		Logged by
Coordinates N	Begun	/Completed	Sampled by
E	Core size	/Recovery %	

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Min. Mt	Graphic	Sample No	Sample From	Sample To	m	Cu	MoS2	Au	Ag
49	52	3	95	Mottled grey to green, med to coarse gr. chloritic granite QFP, c̄ chlor-carb-sericite shears from 50.6-52m. Cut by Qz vlts ~60° c.A., c̄ tr cp, shears ~45° c.A. Granite carrying v. fn. gr. dissem cp along cracks	5	2	2	1	1	2	2	1	1	2	1			1			49	52	3	.24	.010	.01	2.0
52	55	3	105	Mottled, grey to green, med to coarse gr., chloritic granite QFP. 52.6-53.0m chlor-carb-sericite shear zone, ~30° c.A., c̄ mo smears. Cut by chlor-sericite fracs ~45° c.A. & thin carb fracs 0-60° c.A. Granite carrying v. fn gr. dissem cp. Est Grade 0.15% Cu	5	1	2	1	1	2	2	2	1	2	1			1			52	55	3	.19	.011		1.5
55	58	3	93	Speckled, grey c̄ green specks, med. to coarse gr., massive chloritic granite (QFP) c̄ black, grey feldsp, quartz Qz xtls & interstitial chlor-epclots c̄ compact siliceous grey matrix; carrying dissem cp specks & grains at Qz xtl faces. Cut by rare Qz vlts, ~5mm thick, c̄ cp specks. Cut by chlor-sericite frac c̄ cp & mo smears. Est Grade 0.25% Cu	5	2	2	1	1	2	2	2	1	2	1			1			55	58	3	.24	.013		1.0
58	61	3	105	58-59.7m, mottled grey c̄ green blebs, massive, med to coarse gr., chloritic granite c̄ large 1cm Qz grains, black grey feldspar, chlor-ep crys, & carrying dissem v. fn gr cp & cp specks locally. Cut by rough carb fracs & Qz vlts, 5-25mm thick ~50° c.A. c̄ cp-chlor-Mo. 59.7-61m mottled pale green, Qz-sericite porphy. c̄ dissem Mo & specks. Cut by Qz vlts. Est Grade 0.25% Cu	5	4	3	1	1	2	2	2	1	2	1			1			58	61	3	.17	.011	.02	.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 9
Sheet 7 of 12
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Metre	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Mi	GRAPHIC	SAMPLES No	From	To	m	ASSAYS Cu	MoS2	Au	Ag
61	64	3	97	Mottled, grey to green, med to coarse gr. chloritic granite (QFP) with v. fi. gr. dissem cp specks, cp aggs & Mo flakes locally. Cut by chlor - sericite fractures with Mo smears & by Qz vlts, 5-20 mm thick @60° to C.A. with cp & cp aggs. Est Grade .25% Cu	5	1	2	1	1	2	2	2	1	2	1			1			61	64	3	.16	.012		1.0
64	67	3	97	Mottled, highly fractured, med to coarse gr, chloritic granite with chlor - sericite - carb shear zone 65.6-66.3m ~60° to C.A.; cut by Qz - sericite, pale green, vns @ 66.75-66.9m & Qz vlts, 5-20 mm thick, ~60° to C.A. with cp & chlor aggs. Granite carries v.fi.gr. dissem cp along cracks in Qz & in chlor aggs.	5	2	2	1	1	2	2	2	1	2	1			1			64	67	3	.19	.016		1.5
67	70	3	97	Mottled, grey-green, med to coarse gr. obvious (QFP) or chloritic granite, carrying v.f. gr. dissem Mo & cp. Cut by pale green, Qz-sericite vns @ 67.6-67.7 m, 69.15-69.25m, & Qz vlts, with minor cp, chlor, cp aggs. Also cut by carb fracs & sericite - chlor fracs with Mo flakes. Est Grade <0.25% Cu.	5	3	2	1	1	2	2	2	1	2	1			1			67	70	3	.13	.07	.01	1.0
70	73	3	100	Mottled grey to dk green, med to coarse gr., chloritic gr. with dissem v.fi. gr. cp & Mo. Cut by carb fracs, & Qz vlts, 5-15 mm thick, with v.fi.gr. Mo. Also cut by sericite - chlor fracs with sticks ~60° to C.A. Est Grade 0.2% Cu	5	1	2	1	1	2	2	2	1	2	1			1			70	73	3	.13	.04		1.5
73	76	3	96	Mottled grey-green med gr. chloritic biotite & chlor-cp aggs, blocky feldspar, grey Qz xlts set in siliceous compact matrix. Granite carries v.fi.gr. dissem cp & smears on Qz grains. Cut by numerous carb-fracs, rare Qz vlts 6 mm thick, ~60° to C.A. with tr. cp	5	2	2	1	1	2	2	1	1	2	1			1			73	76	3	.18	.06		1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 9
Sheet 6 of 12
Logged by
Sampled by

Footage From	Footage To	Recov'y Rvd	Recov'y Core	Description	Litholo'y	Veins per Metre	Alt. S	Alt. B	Alt. X	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Min. Mt	Graphic	Samples No	Samples From	Samples To	m	Cu	MoS2	Au	Ag
76	79	3	83	Mottled, grey to green and gr. chloritic granite (QFP?) [illegible] chlor-ep clots, blocky feldspar, and equant quartz [illegible] in a compact siliceous matrix. Granite host carries v. fine-gr. dissem cp + cp aggs. Cut by Qz vlts, 3-4 cm thick, 70-80° c.a. carrying cp, mo. & cp [illegible]. Also cut by carb fracs	5	3	2	1	1	2	2	2	1	2	1			1			76	79	3	.13	.01	.01	1.5
79	82	3	104	Mottled to speckled, grey & green, massive, med. gr. chloritic granite (QFP) consisting of equant quartz grs, white kaolinitized feldspar, chlor-ep aggs & compact siliceous matrix. Gt carries dissem cp aggs & v.f. gr. cp grains. Cut by carb fracs, also cut by a [illegible] chlor. aplite in c.a. 80.6-80.7 m. Qz vlts, 5-30 mm, 90-45° c.a. [illegible] qp & Mo. Est. grade [illegible]	5	2	2	1	1	2	2	2	1	2	1			1			79	82	3	.22	.04		2.0
82	85	3	95	Mottled, grey & green, med. gr. chloritic granite cut by carbonate fracs, ep-microfaults & Qz vlts 1-5 mm thick, 45-60° c.a. carrying cp splashes & [illegible]. Host carries cp aggs & v. fine-gr. dissem cp. Est. grade c. 0.25% Cu.	5	2	1	1	1	2	2	1	2	2	1			1			82	85	3	.34	.06		2.5
85	88	3	100	Mottled, grey & green, med. gr. chloritic granite cut by carb fracs & Qz-carb fracs 90-60° c.a. & Qz vlts 5-10 mm thick, [illegible] & fine-gr. dissem. Mo & dissem cp. Granite carries v. fine-gr. dissem cp & Py. Est. grade c. 0.3% Cu.	5	2	1	1	1	2	2	2	2	2	1			1			85	88	3	.23	.03		1.5
88	91	3	104	Mottled grey, white & green, med. gr. [illegible] granite (QFP?) & white feldspar [illegible], grey Qz grs to 10 mm set in grey compact siliceous matrix. Cut by	5	3	2	1	1	2	2	2	2	2	1			1			88	91	3	.29	.06	.01	2.0

DRILL HOLE RECORD
Gambier Project

	Inclination	Bearing
Collar		

PROPERTY GAMBIER ISLAND	Length		HOLE No. 7
Location	Hor. Comp.	/Vert. Comp.	Sheet 7 of 12
Elevation	Bearing		Logged by
Coordinates N	Begun	/Completed	Sampled by
E	Core size	/Recovery %	

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			A.	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
				rough chlor-sericite fracs, carb. fracs & Qz vlts, 45-60° ^ C.A. 5-10mm thick, ē traces cp & Mo. Granite host carrys v. fine gr. dissem. cp & py. Est Grade 0.2% Cu	5																						
91	94	3	100	Mottled grey, white & green med to coarse gr. chloritic granite porphyry (QFP) ē chlor-ep. clots, grey feldspar & Qz eyes set in dominantly grey siliceous matrix. 93.4-94 m, <2% chlor, well developed porphyry. Cut by carb. fracs, vitreous & discontinuous ep-py-Mo-sericite fracs. & Qz vlts, 5mm thick, ~60° ^ C.A. carrying cp. aggs, py ± Mo. Granite carrys v. fine gr. dissem cp + py.	5	2	2	1	1	2	2	2	2	2	1			1			91	94	3	.20	.05		1.5
94	97	3	103	Mottled, grey, white & green, chloritic granite (QFP) ē ~30% grey, compact siliceous matrix. Blocky white feldsp, grey rounded Qz & 1-5mm chlor-ep blebs. Carrys v. fine gr. dissem cp-py. Cut by carb. fracs & chlor-carb. fracs ± ep. Est Grade 0.2% Cu.	5	0	2	1	1	2	2	1	3	2	1			1			94	97	3	.24	.075	.01	2.0
97	100	3	97	Mottled, grey, white & green, chloritic porphyry ē ~25% grey, siliceous matrix & med gr. feldsp. Qz phenos ē interstitial chlor-ep aggs. Carrys v. fine dissem cp, py, traces Mo. Cut by chlor-carb. fracs, Qz vlts, 5-25 mm thick, ~60° ^ C.A. carrying ep, cp & chlor. aggs.	5	2	2	1	1	2	2	2	2	2	1			1			97	100	3	.30	.06		2.5
100	103	3	100	Mottled, grey, dk green & pale green, chloritic granite ē sericite aggs. Shows some elongation of Qz, chlor. aggs. Cut by carb-sericite fracs, Qz vlts, 2-30 mm thick, 40-60° ^ C.A.	5	2															100	103	3	.34	.037		1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND	Length		HOLE No. 9
Location	Hor. Comp.	/Vert. Comp.	Sheet 8 of 12
Elevation	Bearing		Logged by
Coordinates N / E	Begun	/Completed	Sampled by
	Core size	/Recovery %	

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholy	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Ai	Graphic	Samples No.	Samples From	Samples To	m	Cu	MoS2	Au	Ag
				carrying cp, [illegible] ; epi, chlorite.																							
103	106	3	101	Mottled grey, green, pale green, med gr. chloritic granite w/ epid spots, sericite areas [illegible] feldspar & Qtz phenos [illegible] in silicious matrix. Carries [illegible] fine gr. dissem. cp, py. Qz veinlets ~5mm thick 45-60° to c.a. carrying dissem Mo & cp.	5	2	2	1	1	2	2	2	2	2	1			1			103	106	3	.47	.021	.02	7.5
106	109	3	100	Mottled grey & green, med gr. chloritic granite w/ epid & chlor clots, Qtz & feldspar xls set in silicious matrix. Granite carries [illegible] dissem. cp & py, cut by Qz veinlets ~5-10mm thick, w/ cp [illegible] some diss. Mo flakes. Est grade 0.25% Cu	5	3	2	1	1	2	2	2	2	2	1			1			106	109	3	.34	.09		2.0
																					109	115	3	.28	.014		1.5
109	112	3	102	Mottled grey, & green, med gr. [illegible] chlor. granite w/ ep spots, chlor clots carrying dissem cp [illegible] fine gr. cp, py grains. Cut by sericite [illegible] & Qz veinlets [illegible] ~5mm thick, w/ cp [illegible] & Mo clots. Est grade 0.25% Cu	5	1	2	1	1	2	2	2	2	2	1			1									
112	115	3	97	Mottled grey to dk green, med gr. chloritic granite w/ chlor. clots, ep spots, grey silicious matrix carrying dissem cp, py. 113.9-114.4 pale green, med gr. Qz-sericite [illegible] w/ cp [illegible] & py [illegible], cut by chlor [illegible], Qz veinlets, 5-10mm thick, 45-60° to c.a. dissem [illegible] Mo flakes. Est grade 0.25% Cu	5	2	2	1	1	2	2	2	2	2	1			1			112	115	3	.39	.09	.02	2.0
115	118	3	100	Mottled grey green to dk green, [illegible] med gr. chloritic granite w/ [illegible] [illegible] w/ [illegible] chlor. sericite alteration, [illegible]	5	4	2	1	1	2	2	2	2	4	1			1			115	118	3	.53	.08		3.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 9
Sheet 9 of 12
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per foot	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo	Min. Ga	Samples No.	Samples From	Samples To	Samples m	Cu	MoS2	Au	Ag
				f. gr. cp grains. Granite also cut by [illegible] & fracs ~ 0-10° c.A. 2-4 mm thick locally @ 117-118 m. Cut by qz. vlts ~5 mm thick, 0-60° c.A. c cp & [illegible] & cp [illegible] & sleeves. 116-117 m. pale green & dk green sericite [illegible] chlor. fracs ~ [illegible]° c.A. Est Grade 0.5% Cu	5																			
118	121	3	102	Mottled, grey-green, dk green, & grey, med to coarse gr. chloritic granite c chlor. clots, epidote & pale green sericite, qz & feldspar little silicified, siliceous, compact matrix. Granite carry dissem. cp aggs & v. fn gr. cp & py grains. Cut by cp-qz-cp [illegible] ~ 60° c.A., also cut by qz vlts, ~60° c.A. 3-5 mm thick carrying cp aggs. Est Grade 0.4% Cu	5	3	2	1	1	2	2	1	2	3	1	1		118	121	3	.52	.012		3.0
121	124	3	100	121-121.6 m, 123.3-124 m mottled, grey, dk green to pale green, med to coarse gr. chloritic granite, as above, cut by two qz vlts, 5 mm thick c dissem. etc. also cut by cp fracs to 2 mm 45° c.A. & [illegible] cp aggs in host granite. 121.6-123.3 m dk green, v. fn gr. fractured, chloritic-sericitic rock, soapy feel, abundant slivers of cp. Est Grade 0.5% Cu	5	1	2	1	1	3	2	2	2	3	1	1		121	124	3	.74	.009	.02	4.0
124	127	3	100	123.7-124.3 m v. fn. gr. pale green, felsite or aplite [illegible] c dissem. cp aggs. 124.3-127 m mottled, grey, dk green & pale green, highly fractured, chloritic-qz [illegible] c dissem. cp aggs & v. fn. gr. cp. Cut by chlor. [illegible] fracs & sleeves ~ 20° c.A. Cut by qz-sericite vlts @ 125-125.5 m. Est Grade 0.4% Cu [illegible]	5	2	3	1	1	3	2	2	1	3	1	1		124	127	3	.45	.013		2.5

DRILL HOLE RECORD

Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 9
Sheet 10 of 12
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS Per FOOT	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo				GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
127	130	3	97	127–128.3 Broken, highly fractured, chloritic granite, Dk green chlor. clots, grey black Qz blks, 1–2mm epidote grains & pale green sericitic cuts, carrying dissem cp ores. Cut by Qz-carb fracs 5mm thick hairline. Oct(?) irr fracs & slicks. 128.2–130 mottled granite, less fractured cut by Qz blks ~5mm thick 45° CA, & cp, Mo. 129.1–129.23m Qz-sericite porph vein. Est 0.3% Cu	5	3	2	1	1	3	2	2	2	2	1			1			127	130	3	.34	<.25		1.0
130	133	3	100	Mottled, pale green, dk green, to grey, sericitic – chloritic granite, med. gr., & chlor. shots, sub(?) Qz blks to 3mm, set in pale green siliceous matrix. Carrying v. fine gr. dissem cp. Cut by Qz vlts, 5–15mm thick, 0°–60° CA, most close to 0°, carrys dissem py, tr. cp. Est Grade 0.2% Cu	5	4	3	1	1	3	2	2	1	2	1			1			130	133	3	.13	<.04	.01	1.0
133	136	3	100	Mottled, dk green, pale green & grey, med gr., chloritic granite cut by cp-py-Qz-chlor stckrs 1–2mm thick, 10° CA, Qz vlts, 5–10mm thick @45° CA carrying dissem cp, py, Mo flakes. All cut by carb–sericite fracs & slicks, & Qz-sericite vns @135m, 3mm thick. Est. Grade 0.2% Cu as dissem cp aggs & v. fine grains.	5	1	2	1	1	3	2	2	2	2	1			1			133	136	3	.17	<.04		1.0
136	139	3	92	Mottled dk green, pale green, grey, med gr. sericitic – chloritic granite, carrying dissem cp. Consists of Qz eyes, chlor-cp blebs, grey black feldspar, sericitic-siliceous, compact matrix. Cut by Qz vlts, 2–10mm thick, ~45° 60° CA, carrying trace Mo cp. Cut by Qz-sericite vns, 136.0–136.2m, 136.5–136.9, 137.05–137.35m, 138.0–138.2 m.	5	2	3	1	1	3	3	2	2	2	1			1			136	139	3	.27	.06		1.5

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N / E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 9
Sheet 11 of 12
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per METRE	ALTERATION S	B	K	C	E	MINERALIZATION Mo	Py	Cp	Bo			Ac	GRAPHIC	SAMPLES No.	From	To	m	ASSAYS Cu	MoS2	Au	Ag
139	142	3	100	Mottled, white, grey & dk green, med gr., chloritic granite c̄ chlor. clots, sericite bearing blocky white feldsp., grey Qz xtls, set in a grey compact siliceous matrix carrying dissem. fine gr. cp, Mo along fractures. Cut by Qz vlts, 1-35mm thick, 45-90° to c.a. carrying dissem. Mo & cp in small amounts. Est. [illegible]	5	7	2	1	1	2	2	2	2	2	1			1			139	142	3	.26	.07		1.5
142	145	3	100	Mottled grey, white & dk green, chloritic aplite 142-143.8 m & 144.7-145 m. 143.8-144.7 m DK green, Qz porphyry c̄ [illegible] Qz phenocrysts, set in a v. fine gr. dk green compact siliceous [illegible]. Cut by pale green sericite-chlorite vlts 10-70mm thick, also cut by Qz vlts, 2-10mm thick, 45-90° to c.a. carrying dissem fine gr. Mo & trace cp. Host granite carry v. fine gr. dissem py & cp.	5	5	2	1	1	2	2	2	2	2	1			1			142	145	3	.17	.013	.01	2.0
145	148	3	100	Spotted, dk green & grey, Qz porphyry, [illegible], subhedral Qz xtls, to 10mm, set in a dk green, compact, chloritic-siliceous matrix carrying v. fine gr. cp & py. Cut by pale green sericite-chlor.-Qz vns @ 147 & 147.3-147.5 m. also cut by chlor. fract., [illegible] c.a., & stkwk of cc. Qz vlts, 1-30mm thick, ~45° to c.a. c̄ dissem Mo & traces cp.	5	1	2	1	1	2	2	2	2	2	1			1			145	148	3	.05	.008		1.0
148	151	3	92	Mottled, dk green, grey, green Qz porphyry c̄ [illegible] Qz xtls to [illegible], blocky grey feldsp. [illegible] chlor. clots set in [illegible] green, compact, siliceous matrix carrying v. fine gr. dissem cp & py. Cut by Qz vlts, 2-20mm thick, 45-60° to c.a., carry dissem Mo	5	2	2	1	1	2	2	2	2	2	1			1			148	151	3	.11	.008	.01	1.0

DRILL HOLE RECORD
Gambier Project

Collar	Inclination	Bearing

PROPERTY GAMBIER ISLAND
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert. Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 7
Sheet 12 of 12
Logged by
Sampled by

Footage From	Footage To	Recov'y Run	Recov'y Core	Description	Litholo'y	Veins per Metre	Alt. S	Alt. B	Alt. K	Alt. C	Alt. E	Min. Mo	Min. Py	Min. Cp	Min. Bo			Min. Mt	Graphic	Sample No.	Sample From	Sample To	m	Cu	MoS2	Au	Ag
				& cp. Also cut by [illegible] fracs ~45°-60° ∧ c.a., [illegible] slicks & sericite - carbonate [illegible] ~45° ∧ c.a. Est Grade <0.2% Cu																							
151	154	3	100	151 - 154.7 m [illegible] green, Qz-sericite porphyry [illegible] 151.7-153 m mottled grey, dk green Qz porphyry [illegible] [illegible] chloritic siliceous matrix, carrying [illegible] cp aggs ± [illegible] [illegible] fracs 45-60° ∧ c.a. Est Grade 0.15% Cu	5	<1	2	1	1	2	2	2	2	2	1			1			151	154	3	.14	.002		1.5
154	157	3	100	Blocky interval 153 - 154.7 m mottled, dk green & grey, Qz porphyry [illegible] Qz [illegible] & blocky [illegible] chloritic siliceous matrix carrying [illegible] cp aggs. 154.7-156 m mottled, grey-green, dk green & grey, [illegible] chloritic [illegible] carrying [illegible] cp [illegible]. Cut by chlorite-carb [illegible] & [illegible] ~45° ∧ c.a. [illegible]. Est Grade <0.2% Cu	5	2	2	1	1	2	2	2	1	2	1			1			154	157	3	.21	.071		2.0
157	159.2	2.2	100	Blocky interval, cut by chlor-carb [illegible] 45-60° ∧ c.a., mottled green-grey & dk green, med. grained [illegible] chloritic granite. Cut by Qz veinlets 2-5 mm thick, [illegible] cp. Granite [illegible] & [illegible] dissem cp.	5	1	1	1	1	2	2	1	1	2	1			1		157	159.2	2.2	.25	.066	.01	2.0
				END OF HOLE 159.2 m.																							
				CORE RECOVERY 99.4%																							

LEGEND

TERTIARY (?)

- 6 — Barren dacite porphyry dykes.
- 5 — Quartz-feldspar porphyry, intramineral quartz porphyry dykes, intrusive breccia, subporphyritic granitic rocks.
- 4 — Massive medium grained diorite.

CRETACEOUS

- 3 — Heterogeneous mafic-rich diorite, numerous mafic inclusions.

JURASSIC

GAMBIER GROUP

- 2 — Massive andesitic rocks of the Gambier Group; (a) hornfelsed and hydrothermally altered rock of the "C" zone.
- 1 — Volcanic sediments: gritstone, conglomerate, breccia, volcanic wacke, chert and argillite, (a) propylitic sediments rich in epidote and quartz veinlets.

GEOLOGICAL SYMBOLS

- OUTCROP, area of continuous outcrop
- GEOLOGICAL CONTACT (approx.)
- FAULT
- CONTOUR OF QUARTZ VEINLETS PER METRE
- SHEAR FOLIATION
- QUARTZ VEINLETS: inclined, vertical
- BEDDING: inclined, vertical
- Py Cp — PYRITE, CHALCOPYRITE
- Ga Mb Sp — GALENA, MOLYBDENITE, SPHALERITE
- LIMIT OF MINERALIZED ZONE

TOPOGRAPHIC SYMBOLS

- DRILL SITE (not surveyed)
- ACCESS TRAILS AND ABANDONED LOGGING ROADS
- 120 W — GRID LINE
- LCP 0 — CLAIM POST, CLAIM BOUNDARY (not surveyed)
- SURFACE LOT BOUNDARY (approx.)
- ADIT; OLD WORKINGS
- TOPOGRAPHIC CONTOUR (interval 25 m)

GEOLOGICAL MAPPING BY
P. PETO and P.E. FOX JULY, 1979

TO ACCOMPANY:

GEOLOGICAL REPORT ON THE GAMBIER ISLAND COPPER PROSPECT, BY P.E. FOX PhD. P.Eng., AUGUST 15, 1979.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7730

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
P. E. FOX

20th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

GEOLOGICAL PLAN

MB CLAIMS
VANCOUVER MINING DIVISION

TECH. WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: 1:2500, 1 inch = 200.3 feet
N.T.S. 92 G/6, 11	DATE: AUGUST 15, 1979
APPROVED BY: P.E. FOX, PhD., P.Eng.	DRAWING NO: FIGURE: 3

MB 11

MB 10

MB 1

MB 18

Douglas Bay

LOT 2979 (approx.)

LOT 3910 (approx.)

LOT 2567 (approx.)

ABANDONED LOGGING ROAD

Gambier Creek

South Fork

South Fork East

MAIN ACCESS ROAD

Camp Area

LINE 25 S

0+00 BASELINE

60 W

65 W

55 W

50 W

45 W

40 W

1560 W

1440 W

1320 W

1200 W

1080 W

960 W

840 W

720 W

600 W

480 W

360 W

240 W

120 W

0-00 W

4 W

8 W

12 W

16 W

20 W

24 W

28 W

32 W

36 W

LEGEND

ppm Mo / ppm Cu — ROCK SAMPLE (some samples show p.p.m. copper only)

2200 — STREAM SEDIMENT SAMPLE, p.p.m. Copper

ppm Mo / ppm Cu — SOIL SAMPLES:

- ANOMALOUS ..... > 350 ppm Cu
- THRESHOLD ..... 300 - 350 ppm Cu
- BACKGROUND ..... < 300 ppm Cu

— ? — OUTLINE OF SOIL ANOMALY: defined, inferred

TOPOGRAPHIC SYMBOLS

DRILL SITE (not surveyed)

ACCESS TRAILS AND ABANDONED LOGGING ROADS

120 W — GRID LINE

LCP — CLAIM POST, CLAIM BOUNDARY (not surveyed)

SURFACE LOT BOUNDARY (approx.)

ADIT, OLD WORKINGS

TOPOGRAPHIC CONTOUR (interval 25 m)

TO ACCOMPANY:

GEOLOGICAL REPORT ON THE GAMBIER ISLAND COPPER PROSPECT, BY P.E. FOX, PhD, P.Eng., AUGUST 15, 1979.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7730

20th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

GEOCHEMICAL PLAN

MB CLAIMS

VANCOUVER MINING DIVISION

TECH. WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: 1:2500, 1 inch = 200.3 feet
N.T.S. 92 G/6, 11	DATE: AUGUST 15, 1979
APPROVED BY: P.E. FOX, PhD., P.Eng.	DRAWING NO: FIGURE: 4

MB 11

MB 10

LOT 2979 (approx.)

Douglas Bay

ABANDONED LOGGING ROAD

Adit

Dock

Creek

Camp Area

0+00 BASELINE

78-1
78-2
78-3

1560 W

1440 W

1320 W

1200 W

1080 W

960 W

840 W

720 W

600 W

480 W

360 W

240 W

120 W

0+00 W

South Fork

MAIN ROAD

MB 1

MB 18

LOT 3910 (approx.)

LOT 2567 (approx.)

TOPOGRAPHIC SYMBOLS

- DRILL SITE (not surveyed)
- ACCESS TRAILS AND ABANDONED LOGGING ROADS
- 120 W — GRID LINE
- LCP — CLAIM POST, CLAIM BOUNDARY (not surveyed)
- SURFACE LOT BOUNDARY (approx.)
- ADIT, OLD WORKINGS
- 100 — TOPOGRAPHIC CONTOUR (interval 25 m)

TO ACCOMPANY:

GEOLOGICAL REPORT ON THE GAMBIER ISLAND COPPER PROSPECT, BY P.E. FOX PhD. P.Eng., AUGUST 15, 1979.

MINERAL RESOURCES BRANCH
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NO. 7730

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GAMBIER ISLAND COPPER PROSPECT

MAGNETOMETER SURVEY

MB CLAIMS
VANCOUVER MINING DIVISION

TECH. WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: 1:2500, 1 inch = 200.3 feet
N.T.S. 92 G/6, 11	DATE: AUGUST 15, 1979
APPROVED BY: P.E. FOX, PhD., P.Eng.	DRAWING NO: FIGURE: 5

MB 10

MB 11

MB 1

MB 18

Douglas Bay

LOT 2979 (approx.)

LOT 3910 (approx.)

LOT 2567 (approx.)

0+00 BASELINE

1560 W

1440 W

1320 W

1200 W

1080 W

960 W

840 W

720 W

600 W

480 W

360 W

240 W

120 W

0+00 W

Gambier Creek

ABANDONED LOGGING ROAD

South Fork ACCESS ROAD

East ACCESS ROAD

Camp Area

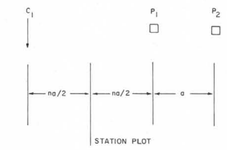
78-1

78-2

78-3

Dock

POLE - DIPOLE ARRAY



TECHNICAL WORK BY
PETER E. WALCOTT & ASSOCIATES LTD., JUNE 1970

TOPOGRAPHIC SYMBOLS

- DRILL SITE (not surveyed)
- ACCESS TRAILS AND ABANDONED LOGGING ROADS
- 120W — GRID LINE
- LCP D — CLAIM POST ; CLAIM BOUNDARY (not surveyed)
- SURFACE LOT BOUNDARY (approx.)
- ADIT ; OLD WORKINGS
- 100 — TOPOGRAPHIC CONTOUR (interval 25 m)

TO ACCOMPANY :

GEOLOGICAL REPORT ON THE GAMBIER ISLAND COPPER PROSPECT, BY P.E. FOX PhD. P.Eng., AUGUST 15, 1979.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7730

20th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

INDUCED POLARIZATION SURVEY

CONTOURS OF APPARENT CHARGEABILITY
(milliseconds)
a = 60m; n = 1

MB CLAIMS
VANCOUVER MINING DIVISION

TECH. WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: 1:2500, 1 inch = 200.3 feet
N.T.S. 92 G/6, 11	DATE: AUGUST 15, 1979
APPROVED BY: R.E. FOX, PhD., P.Eng.	DRAWING NO.: W-268-3 / FIGURE: 6a

MB 10

MB 11

MB 1

MB 18

Douglas Bay

LOT 2979 (approx.)

LOT 3910 (approx.)

LOT 2567 (approx.)

0+00 BASELINE

1560 W

1440 W

1320 W

1200 W

1080 W

960 W

840 W

720 W

600 W

480 W

360 W

240 W

120 W

0+00 W

Gambier Creek

South Fork

East Fork

ABANDONED LOGGING ROAD

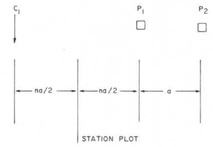
MAIN ACCESS ROAD

Camp Area

Dock

78-1
78-2
78-3

POLE - DIPOLE ARRAY



TECHNICAL WORK BY
PETER E. WALCOTT & ASSOCIATES LTD., JUNE 1970

TOPOGRAPHIC SYMBOLS

- DRILL SITE (not surveyed)
- ACCESS TRAILS AND ABANDONED LOGGING ROADS
- GRID LINE (e.g. 120 W)
- CLAIM POST, CLAIM BOUNDARY (not surveyed)
- SURFACE LOT BOUNDARY (approx.)
- ADIT, OLD WORKINGS
- TOPOGRAPHIC CONTOUR (interval 25 m)

TO ACCOMPANY:

GEOLOGICAL REPORT ON THE GAMBIER ISLAND COPPER PROSPECT, BY P.E. FOX PhD. P.Eng., AUGUST 15, 1979.

MINERAL RESOURCES BRANCH
NO. 7730

20th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

INDUCED POLARIZATION SURVEY

CONTOURS OF APPARENT RESISTIVITY
(ohm - metres)
a = 60m; n = 1

MB CLAIMS
VANCOUVER MINING DIVISION

TECH. WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: 1:2500, 1 inch = 200.3 feet
N.T.S. 92 G/6, 11	DATE: AUGUST 15, 1979
APPROVED BY: P.E. FOX, PhD., P.Eng.	DRAWING NO. W-268-1 / FIGURE: 6b

MB 11

MB 10

MB 1

MB 18

LOT 2979 (approx.)

LOT 3910 (approx.)

LOT 2567 (approx)

Douglas Bay

ABANDONED LOGGING ROAD

GAMBIER CREEK

South Fork

East Fork

Camp Area

78-1

78-2

78-3

Adit

Dock

0+00 BASELINE

1560 W

1440 W

1320 W

1200 W

1080 W

960 W

840 W

720 W

600 W

480 W

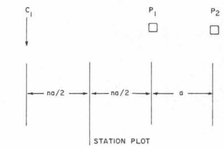
360 W

240 W

120 W

0+00 W

POLE - DIPOLE ARRAY



TECHNICAL WORK BY
PETER E. WALCOTT & ASSOCIATES LTD., JUNE 1970

TOPOGRAPHIC SYMBOLS

- DRILL SITE (not surveyed)
- ACCESS TRAILS AND ABANDONED LOGGING ROADS
- 120 W — GRID LINE
- LCP D — CLAIM POST, CLAIM BOUNDARY (not surveyed)
- SURFACE LOT BOUNDARY (approx.)
- ADIT, OLD WORKINGS
- TOPOGRAPHIC CONTOUR (interval 25 m)

TO ACCOMPANY:

GEOLOGICAL REPORT ON THE GAMBIER ISLAND COPPER PROSPECT, BY P.E. FOX PhD. P.Eng, AUGUST 15, 1979.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7730

20th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

INDUCED POLARIZATION SURVEY

CONTOURS OF APPARENT CHARGEABILITY
(milliseconds)
a = 60m; n = 2

MB CLAIMS
VANCOUVER MINING DIVISION

TECH. WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: 1:2500, 1 inch = 200.3 feet
N.T.S. 92 G/6, 11	DATE: AUGUST 15,1979
APPROVED BY: P.E. FOX, PhD., P.Eng.	DRAWING NO: W-268-4 / FIGURE: 6c

MB 10

MB 11

MB 1

MB 18

LOT 2979 (approx.)

LOT 3910 (approx.)

LOT 2567 (approx.)

Douglas Bay

Gambier Creek

South Fork

East Fork

ABANDONED LOGGING ROAD

MAIN ACCESS ROAD

CLCP

Camp Area

Adit

Dock

0+00 BASELINE

0+00 W

1560 W

1440 W

1320 W

1200 W

1080 W

960 W

840 W

720 W

600 W

480 W

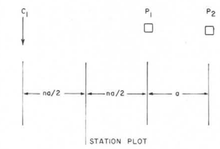
360 W

240 W

120 W

78-1
78-2
78-3

POLE - DIPOLE ARRAY



TECHNICAL WORK BY
PETER E. WALCOTT & ASSOCIATES LTD., JUNE 1970

TOPOGRAPHIC SYMBOLS

- DRILL SITE (not surveyed)
- ACCESS TRAILS AND ABANDONED LOGGING ROADS
- 120 W — GRID LINE
- LCP D — CLAIM POST ; CLAIM BOUNDARY (not surveyed)
- SURFACE LOT BOUNDARY (approx.)
- ADIT ; OLD WORKINGS
- 100 — TOPOGRAPHIC CONTOUR (interval 25 m)

TO ACCOMPANY :

GEOLOGICAL REPORT ON THE GAMBIER ISLAND COPPER PROSPECT, BY P.E. FOX PhD. P.Eng., AUGUST 15, 1979.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7730

20th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

INDUCED POLARIZATION SURVEY

CONTOURS OF APPARENT RESISTIVITY
(ohm - metres)
a = 60m ; n = 2

MB CLAIMS
VANCOUVER MINING DIVISION

TECH. WORK : FOX GEOLOGICAL CONSULTANTS LTD.	SCALE : 1 : 2500, 1 inch = 200.3 feet
N.T.S. 92 G/6, 11	DATE : AUGUST 15, 1979
APPROVED BY : P.E. FOX, PhD., P.Eng.	DRAWING NO. : W - 268 - 2 / FIGURE : 6d

MB 11

MB 10

LOT 2979
(approx.)

Douglas

Bay

N

F'

E'

D'

C'

B'

A'

Abandoned Logging Road

Gambier Creek

0+00 BASELINE

110

Camp Area

78-1
78-2
78-3

South Fork Main Access Road

East Fork

LOT 3910
(approx.)

MB 1

MB 18

LOT 2567 (approx.)

1560 W
1440 W
1320 W
1200 W
1080 W
960 W
840 W
720 W
600 W
480 W
360 W
240 W
120 W
0+00 W

TOPOGRAPHIC SYMBOLS

- 10 O — PROPOSED DRILL HOLES
- DRILL SITE (not surveyed)
- ACCESS ENGILS AND ABANDONED LOGGING ROADS
- 120W — GRID LINE
- CLAIM POST, CLAIM BOUNDARY (not surveyed)
- SURFACE LOT BOUNDARY (approx.)
- ADIT, OPEN CUT
- TOPOGRAPHIC CONTOUR (interval 25 m)
- A — A' ASSAY SECTION

TO ACCOMPANY
GEOLOGICAL REPORT ON THE GAMBIER ISLAND COPPER PROSPECT, BY P.E. FOX, PhD, P.Eng
AUGUST 15, 1979

ASSESSMENT REPORT
NO. 7730

20th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

SURFACE PLAN

50 cm.

MB CLAIMS
VANCOUVER MINING DIVISION

FIELD WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: 1:2500, 1 inch = 200.3 feet
N.T.S.: 92 G/6, 11	DATE: AUGUST 15, 1979
DRAWN BY: P.E. FOX, PhD., P.Eng	DRAWING NO. — FIGURE: 7

SW

300
250
200
150
100
50
0
-50
-100
-150

3
2
2a
4
1a
5
?
2a

DDH # 7

%Cu	%MoS_2
.18	.008
.10	.004
.12	.003
.14	.048
.19	.006
.17	.007
.15	.007
.15	.010
.14	.008
.13	.009
.16	.015
.30	.012
.18	.009
.14	.049
.14	.023
.35	.006
.26	.014
.35	.011
.37	.028
.17	.012
.20	.021
.16	.032
.17	.009
.17	.012
.17	.012
.12	.034
.15	.010
.12	.088
.26	.012
.19	.038
.14	.048
.15	.010
.10	.009
.17	.006
.05	.003
.12	.005
.20	.009
.17	.012
.19	.006
.24	.005
.20	.004
.24	.008
.38	.012
.17	.008
.28	.022
.19	.015
.18	.015
.28	.008
.22	.013
.23	.006
.24	.009
.10	.009
.19	.006
.14	.011
.18	.022
.17	.004
.16	.017

185.7

LEGEND

6	Barren dacite porphyry dykes.
5	Quartz - feldspar porphyry, intramineral quartz porphyry dykes, intrusive breccia.
4	Massive medium grained diorite.
3	Heterogeneous mafic - rich diorite, numerous mafic inclusions.
2	Massive andesitic rocks of the Gambier Group; (a) hornfelsed and hydrothermally altered rock of the "C" Zone.
1	Volcanic sediments : gritstone, conglomerate, breccia, volcanic wacke, chert and argillite; (a) propylitic sediments rich in epidote and quartz veinlets.

GEOLOGICAL SYMBOLS

- GEOLOGICAL CONTACT (approx.)
- MINERALIZED ZONE
- FAULT
- 10 — CONTOUR OF QUARTZ VEINLETS PER METRE
- DDH # 3 — DIAMOND DRILL HOLE SHOWING % Cu AND % MoS_2 RESPECTIVELY

%Cu	%MoS_2
.18	.006
.29	.013

NOTE: VERTICAL SCALE EXAGGERATED.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO 7730

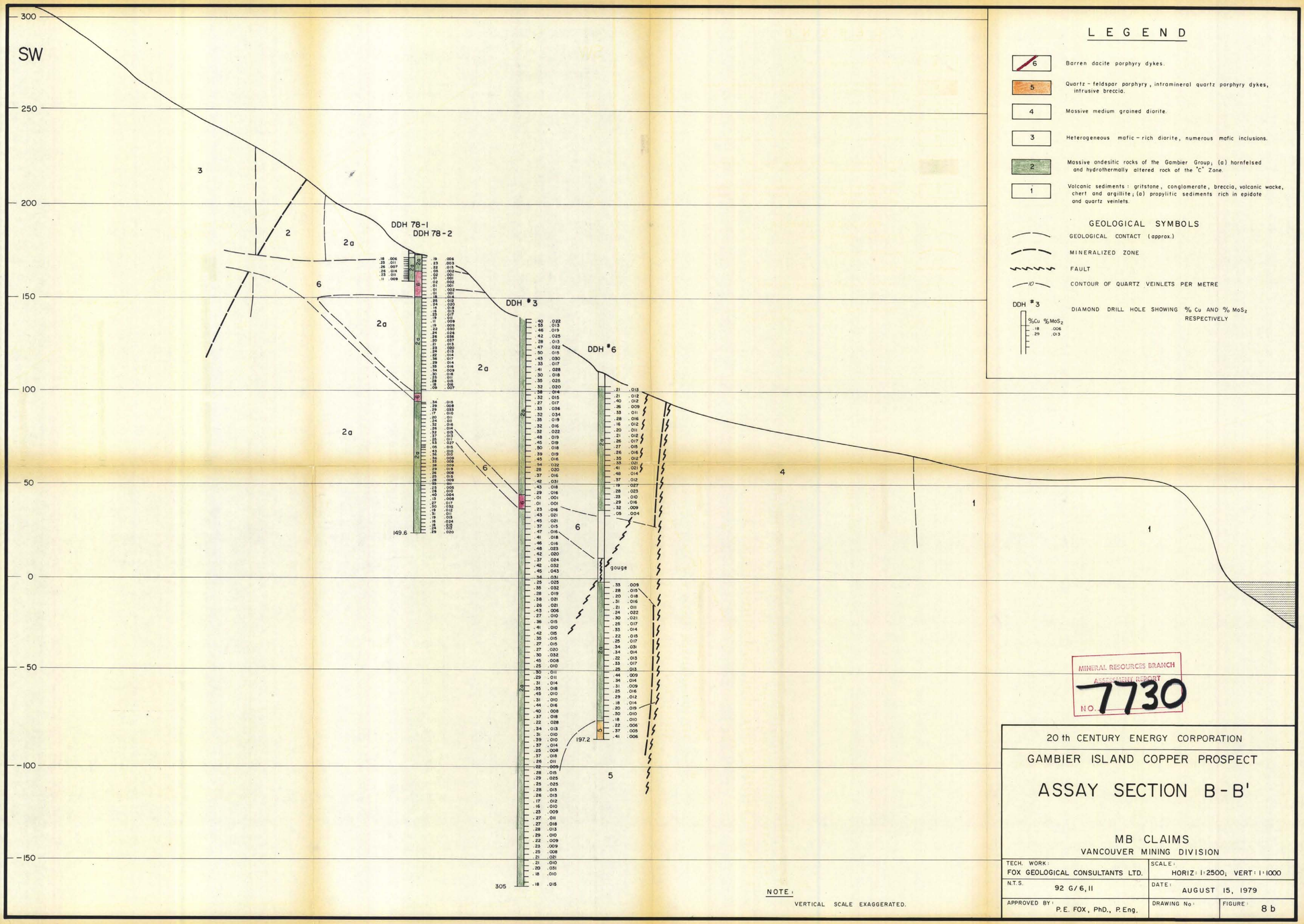
20 th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

ASSAY SECTION A - A'

MB CLAIMS
VANCOUVER MINING DIVISION

TECH. WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: HORIZ: 1:2500; VERT: 1:1000
N.T.S. 92 G/6, 11	DATE: AUGUST 15, 1979
APPROVED BY: P.E. FOX, PhD., P.Eng.	DRAWING No: FIGURE: 8a



LEGEND

- 6 — Barren dacite porphyry dykes.
- 5 — Quartz - feldspar porphyry, intramineral quartz porphyry dykes, intrusive breccia.
- 4 — Massive medium grained diorite.
- 3 — Heterogeneous mafic - rich diorite, numerous mafic inclusions.
- 2 — Massive andesitic rocks of the Gambier Group; (a) hornfelsed and hydrothermally altered rock of the "C" Zone.
- 1 — Volcanic sediments: gritstone, conglomerate, breccia, volcanic wacke, chert and argillite; (a) propylitic sediments rich in epidote and quartz veinlets.

GEOLOGICAL SYMBOLS

- GEOLOGICAL CONTACT (approx.)
- MINERALIZED ZONE
- FAULT
- 10 — CONTOUR OF QUARTZ VEINLETS PER METRE
- DDH #3 — DIAMOND DRILL HOLE SHOWING % Cu AND % MoS_2 RESPECTIVELY

%Cu	% MoS_2
.18	.006
.29	.013

NOTE:
VERTICAL SCALE EXAGGERATED.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7730

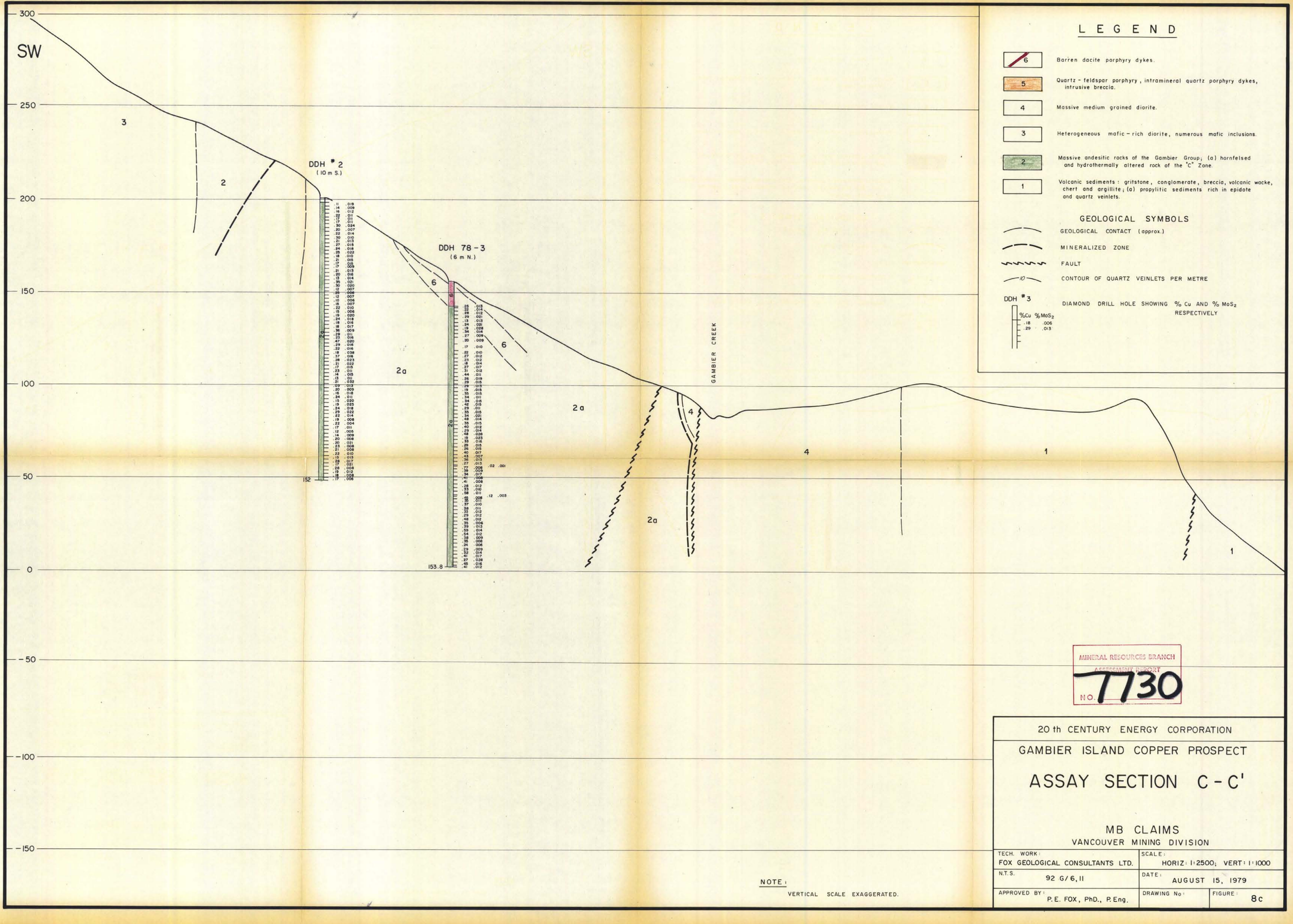
20 th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

ASSAY SECTION B - B'

MB CLAIMS
VANCOUVER MINING DIVISION

TECH. WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: HORIZ: 1:2500; VERT: 1:1000
N.T.S. 92 G/6, 11	DATE: AUGUST 15, 1979
APPROVED BY: P.E. FOX, PhD., P.Eng.	DRAWING No: FIGURE: 8 b



LEGEND

- 6 — Barren dacite porphyry dykes.
- 5 — Quartz - feldspar porphyry, intramineral quartz porphyry dykes, intrusive breccia.
- 4 — Massive medium grained diorite.
- 3 — Heterogeneous mafic - rich diorite, numerous mafic inclusions.
- 2 — Massive andesitic rocks of the Gambier Group; (a) hornfelsed and hydrothermally altered rock of the "C" Zone.
- 1 — Volcanic sediments: gritstone, conglomerate, breccia, volcanic wacke, chert and argillite; (a) propylitic sediments rich in epidote and quartz veinlets.

GEOLOGICAL SYMBOLS

- GEOLOGICAL CONTACT (approx.)
- MINERALIZED ZONE
- FAULT
- 10 — CONTOUR OF QUARTZ VEINLETS PER METRE
- DDH # 3 (%Cu .18, %MoS_2 .006; .29, .013) — DIAMOND DRILL HOLE SHOWING % Cu AND % MoS_2 RESPECTIVELY

NOTE: VERTICAL SCALE EXAGGERATED.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7730

20 th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

ASSAY SECTION C - C'

MB CLAIMS
VANCOUVER MINING DIVISION

TECH. WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: HORIZ: 1:2500; VERT: 1:1000
N.T.S. 92 G/6, 11	DATE: AUGUST 15, 1979
APPROVED BY: P. E. FOX, PhD., P. Eng.	DRAWING No: / FIGURE: 8c

SW

300
250
200
150
100
50
0
-50
-100
-150

DDH # 1
DDH # 5
DDH # 8
GAMBIER CREEK

163
175.7
212.5

NOTE:
VERTICAL SCALE EXAGGERATED.

LEGEND

6	Barren dacite porphyry dykes.
5	Quartz - feldspar porphyry, intramineral quartz porphyry dykes, intrusive breccia.
4	Massive medium grained diorite.
3	Heterogeneous mafic - rich diorite, numerous mafic inclusions.
2	Massive andesitic rocks of the Gambier Group, (a) hornfelsed and hydrothermally altered rock of the 'C' Zone.
1	Volcanic sediments: gritstone, conglomerate, breccia, volcanic wacke, chert and argillite; (a) propylitic sediments rich in epidote and quartz veinlets.

GEOLOGICAL SYMBOLS

- GEOLOGICAL CONTACT (approx.)
- MINERALIZED ZONE
- FAULT
- 10 — CONTOUR OF QUARTZ VEINLETS PER METRE
- DDH # 3 — DIAMOND DRILL HOLE SHOWING % Cu AND % MoS_2 RESPECTIVELY

%Cu	% MoS_2
.18	.006
.29	.013

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7730

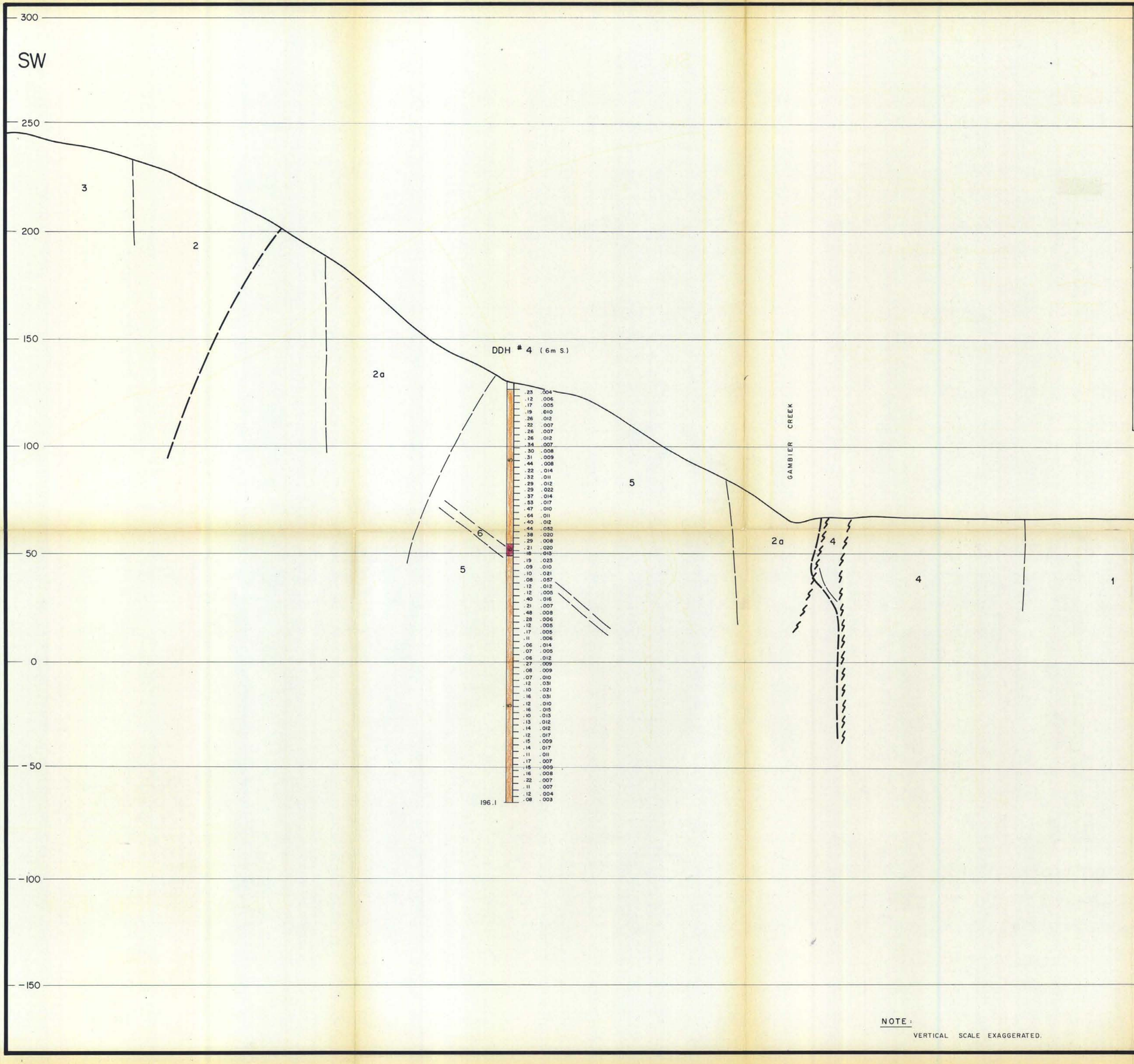
20 th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

ASSAY SECTION D - D'

MB CLAIMS
VANCOUVER MINING DIVISION

TECH. WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: HORIZ: 1:2500; VERT: 1:1000
N.T.S. 92 G/6, 11	DATE: AUGUST 15, 1979
APPROVED BY: P.E. FOX, PhD., P.Eng.	DRAWING No: FIGURE: 8d



LEGEND

- 6 — Barren dacite porphyry dykes.
- 5 — Quartz - feldspar porphyry, intramineral quartz porphyry dykes, intrusive breccia.
- 4 — Massive medium grained diorite.
- 3 — Heterogeneous mafic - rich diorite, numerous mafic inclusions.
- 2 — Massive andesitic rocks of the Gambier Group; (a) hornfelsed and hydrothermally altered rock of the "C" Zone.
- 1 — Volcanic sediments : gritstone, conglomerate, breccia, volcanic wacke, chert and argillite; (a) propylitic sediments rich in epidote and quartz veinlets.

GEOLOGICAL SYMBOLS

- GEOLOGICAL CONTACT (approx.)
- MINERALIZED ZONE
- FAULT
- 10 — CONTOUR OF QUARTZ VEINLETS PER METRE
- DDH # 3 — DIAMOND DRILL HOLE SHOWING % Cu AND % MoS_2 RESPECTIVELY

%Cu	% MoS_2
.18	.006
.29	.013

NOTE: VERTICAL SCALE EXAGGERATED.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7730

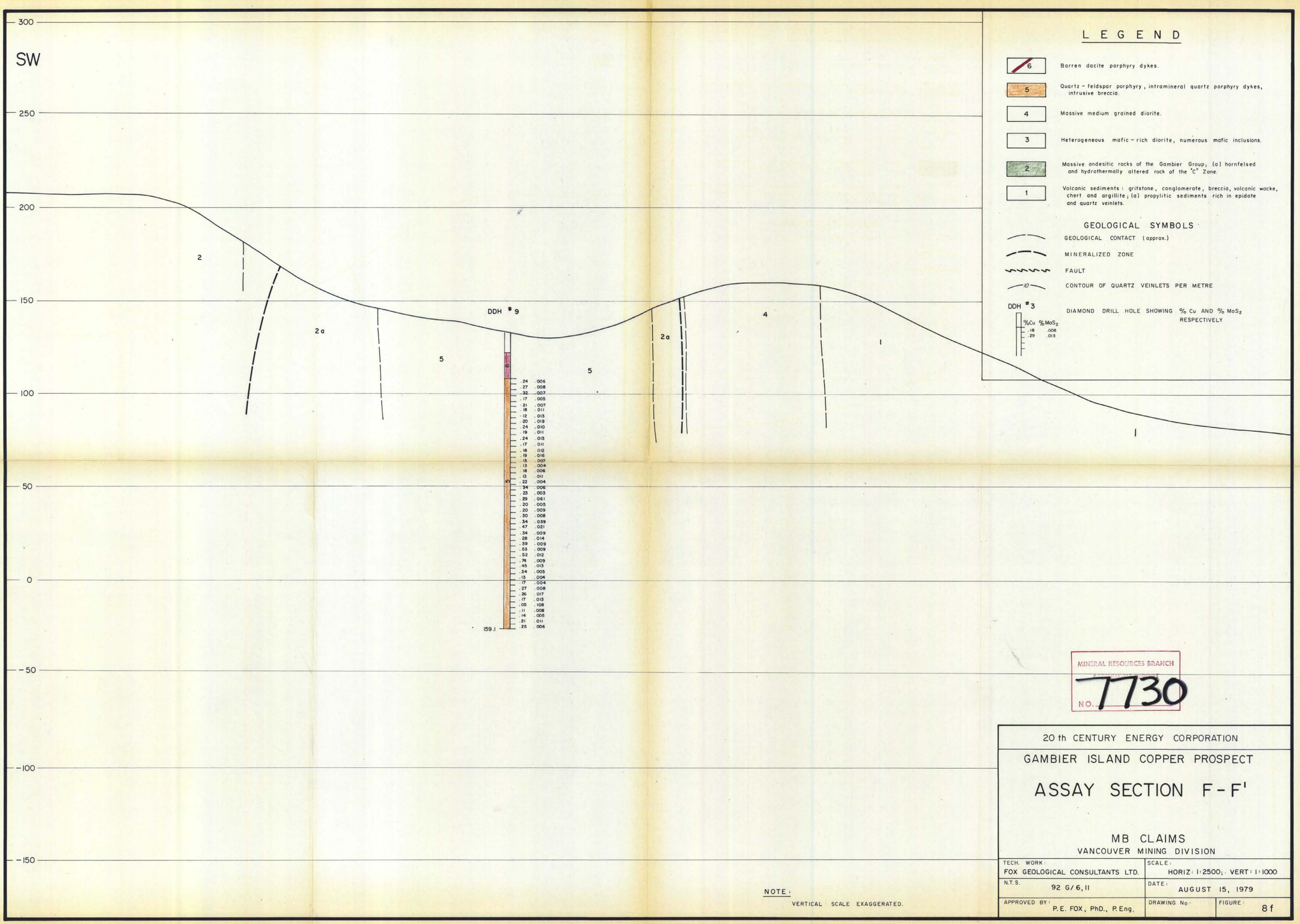
20 th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

ASSAY SECTION E-E'

MB CLAIMS
VANCOUVER MINING DIVISION

TECH. WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: HORIZ: 1:2500; VERT: 1:1000
N.T.S. 92 G/6,11	DATE: AUGUST 15, 1979
APPROVED BY: P.E. FOX, PhD., P.Eng.	DRAWING No: FIGURE: 8e



LEGEND

- 6 — Barren dacite porphyry dykes.
- 5 — Quartz - feldspar porphyry, intramineral quartz porphyry dykes, intrusive breccia.
- 4 — Massive medium grained diorite.
- 3 — Heterogeneous mafic - rich diorite, numerous mafic inclusions.
- 2 — Massive andesitic rocks of the Gambier Group; (a) hornfelsed and hydrothermally altered rock of the "C" Zone.
- 1 — Volcanic sediments: gritstone, conglomerate, breccia, volcanic wacke, chert and argillite; (a) propylitic sediments rich in epidote and quartz veinlets.

GEOLOGICAL SYMBOLS

- GEOLOGICAL CONTACT (approx.)
- MINERALIZED ZONE
- FAULT
- 10 — CONTOUR OF QUARTZ VEINLETS PER METRE
- DDH # 3 (%Cu .18, %MoS2 .006; .29, .013) — DIAMOND DRILL HOLE SHOWING % Cu AND % MoS_2 RESPECTIVELY

MINERAL RESOURCES BRANCH
ASSESSMENT
NO. 7730

NOTE:
VERTICAL SCALE EXAGGERATED.

20 th CENTURY ENERGY CORPORATION

GAMBIER ISLAND COPPER PROSPECT

ASSAY SECTION F - F'

MB CLAIMS
VANCOUVER MINING DIVISION

TECH. WORK: FOX GEOLOGICAL CONSULTANTS LTD.	SCALE: HORIZ: 1:2500, VERT: 1:1000
N.T.S. 92 G/6, 11	DATE: AUGUST 15, 1979
APPROVED BY: P.E. FOX, PhD., P.Eng.	DRAWING No: FIGURE: 8f