ASSESMENT REPORT

1990

GEOLOGY, GEOCHEMISTRY, GEOPHYSICAL AND DIAMOND DRILLING PROGRAM

at

GEORGIA RIVER PROPERTY

SKEENA MINING DIVISION

LOCATED

13 KM SOUTH OF STEWART, BRITISH COLUMBIA

CENTERED ON

LATITUDE 55 48'
LONGITUDE 130 02'

NTS 1030/16

OWNER

BOND GOLD CANADA INC.
(held under option)

OPERATOR

BOND GOLD CANADA INC.

REPORT BY
ADRIAN D. BRAY
DESMOND RAINSFORD

DATE: DECEMBER 1990

SUMMARY

1990
EXPLORATION PROGRAM
GEORGIA RIVER PROPERTY

The Georgia River Property, located within the Skeena Mining Division of British Columbia, is approximately 13 kilometres south of Canada's most northerly ice-free port of Stewart, on the eastern side of the Portland Canal. The property consists of 34 crown granted claims and four 20-unit staked claims comprising approximately 690 hectares. It is held by Bond Gold Canada Inc. under an option agreement with Avatar Resource Corporation.

The property is situated within the Stikine Terrane of the Coast Crystalline Tectonic Belt. It is underlain by volcanic and sedimentary rocks of the Jurassic Hazelton Group Unuk River Formation as a large roof pendant within the Coast Plutonic Complex.

A geological, geochemical, geophysical and diamond drilling program was conducted on the Georgia River Property during the period August 02 to September 11, 1990.

At least eighteen structurally controlled auriferous epithermal quartz veins have been previously identified on the property. Multiphase sulphide and gold mineralization is controlled by two dominant structural trends and their intersections.

Detailed mapping, sampling and ground geophysics was followed by the drill testing of eight geophysical targets, three geological targets and four targets on the known epithermal quartz veins. A total of 15 diamond drill holes comprising 1,556.66 metres was completed. The most significant intersection, a 5.30 metre core interval grading 8.13 gAu/t and 9.1 gAg/t, was obtained from the known epithermal quartz veins.

Further evaluation of the known epithermal quartz veins is warranted. This should consist primarily of additional drilling of the two known mineralized shoots to define their down plunge continuation, as well as maximum strike length. A detailed examination of all known quartz veins should be undertaken.

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1.0 INTRODUCTION

An exploration program was conducted by Bond Gold Canada Inc. on the Georgia River property between August 02 and September 11, 1990.

The program consisted of 26 kilometres of line cutting (including baselines, crosslines and tielines), 18 line kilometres of geological mapping at a scale of 1:1000, rock geochemistry (282 surface samples), 52.5 line kilometres of ground geophysics (23 kms horizontal loop EM, 26 kms total field magnetometer, and 3.5 kms induced polarization) and diamond drilling (1556.66 metres in 15 BQTW holes, 575 samples). All drill core was logged and stored on site. The core was split and sent to Min-En Labs of Vancouver for fire assaying (gold) and 31 element ICP.

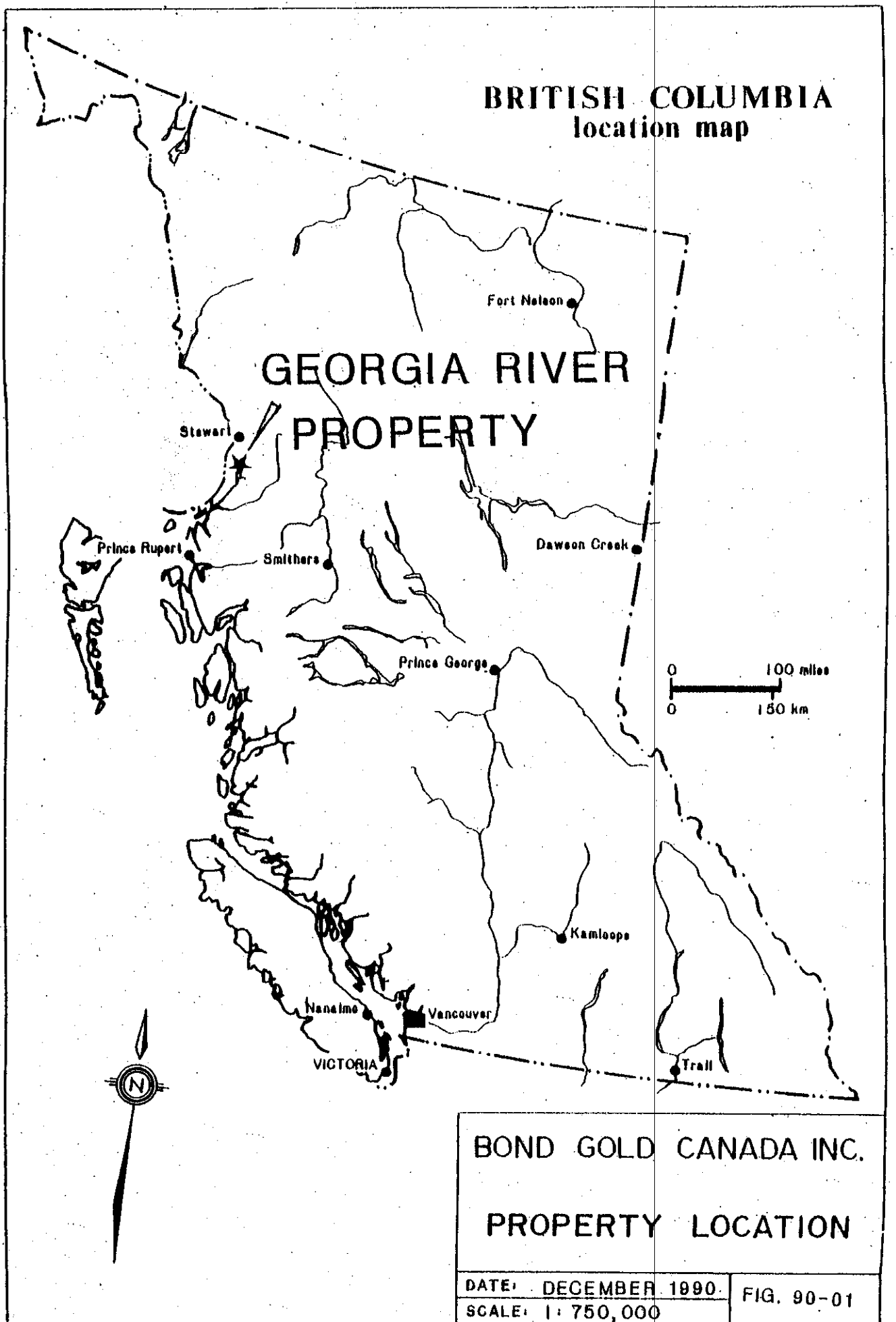
The program was operated from an exploration camp situated approximately in the centre of the property. The camp was accessed by helicopter from Stewart, British Columbia.

1.1 LOCATION, ACCESS AND PHYSIOGRAPHY

The Georgia River Property is located on the eastern side of the Portland Canal, approximately 13 air-kilometres south of the deep water port of Stewart, within the Skeena Mining Division (NTS 103O/16W: Figure 90-01). It is centred on latitude 55 48' North and longitude 130 02' West.

The Georgia River claim block encompasses a tributary of Georgia River, Bullion Creek and the Colling Range on the east side of the Portland Canal. Access to the property is gained by helicopter from Stewart. Water access to the claims could be utilized either on the northwest portion of the claim block bordering the Portland Canal or alternatively to the south along a 13 kilometre pony trail (constructed in 1928), downstream along the Georgia River to the Portland Canal.

The topography of the property is characteristic of the rugged Coast Range Mountains of British Columbia. The northeastern corner of the contiguous claim block bordering the Portland Canal rises abruptly from sea level to a maximum elevation of some 1,400 metres. Valley slopes of the Georgia River and Bullion Creek are moderate to steep. Timber line occurs at approximately 950 metres elevation, below which the valleys are heavily timbered by spruce, hemlock, cedar and a thick alder underbrush. Above this elevation, the vegetation consists largely of heather giving way to grassy domed ridges of the range crest. Several small tarns, generally less than 100 metres in length, occupy depressions along the ridges. Snow occupies many of the gullies and depressions with maximum rock exposure noted in early September. Glacial moraine is restricted to valley floors at lower elevations, providing good rock exposure along the ridge tops and within creek beds.


BRITISH COLUMBIA
location map
GEORGIA RIVER
PROPERTY
Fort Nelson
Stewart
Prince Rupert
Smithers
Dawson Creek
Prince George
0 100 miles
0 150 km
Kamloops
Nanaimo
Vancouver
VICTORIA
Trail
N
BOND GOLD CANADA INC.
PROPERTY LOCATION
DATE: DECEMBER 1990
SCALE: 1 : 750,000
FIG. 90-01

1.2 PROPERTY STATUS

The Georgia River property consists of 34 crown granted claim units and four 20-unit modified grid staked claims. The property is held by Bond Gold Canada Inc. under an option agreement with Avatar Resource Corporation.

Claim names and corresponding data are listed in Table 1 with the claim boundaries shown in Figure 90-02.

TABLE 1

CLAIM DATA

CLAIM NAME	RECORD NO.	UNITS/HECTARES	RECORD DATE
DANNY FR.	RCG/1431	1/3.13	18/09/1990
GEM FR.	RCG/1437	1/19.52	18/09/1990
GOLDFIELDS	RCG/1434	1/20.90	18/09/1990
GOLDFIELDS #1	RCG/1445	1/17.47	18/09/1990
GOLDFIELDS #2	RCG/1429	1/17.70	18/09/1990
GOLDFIELDS #4	RCG/1444	1/17.96	18/09/1990
GOLDFIELDS #5	RCG/1435	1/19.41	18/09/1990
GOLDFIELDS #6	RCG/1436	1/20.46	18/09/1990
JITNEY	RCG/1429	1/4.67	18/09/1990
JUNE	RCG/1438	1/16.57	18/09/1990
JUNE FR.	RCG/1443	1/16.44	18/09/1990
JUNE #1	RCG/1439	1/10.32	18/09/1990
JUNE #10	RCG/1432	1/0.74	18/09/1990
JUNE #2	RCG/1440	1/14.32	18/09/1990
JUNE #3	RCG/1441	1/15.61	18/09/1990
JUNE #4	RCG/1442	1/20.90	18/09/1990
JUNE #5	RCG/1447	1/13.94	18/09/1990
JUNE #6	RCG/1448	1/11.57	18/09/1990
JUNE #7	RCG/1430	1/15.11	18/09/1990
JUNE #8	RCG/1432	1/5.01	18/09/1990
JUNE #9	RCG/1432	1/15.63	18/09/1990
MIKE #3	1722	20/500	18/09/1990
SEPTEMBER FR.	RCG/1430	1/7.94	18/09/1990
SOVEREIGN	RCG/1446	1/20.64	18/09/1990
SOVEREIGN FR.	RCG/1431	1/3.40	18/09/1990
SOVEREIGN #1	RCG/1431	1/14.51	18/09/1990
SOVEREIGN #2	RCG/1433	1/20.57	18/09/1990
MIKE #1	1623	20/500	18/09/1990
SUN #1	1622	20/500	18/09/1990
MIKE #2	1721	20/500	18/09/1990
GEM #1	CG/L5151	1/9.38	18/09/1990
GOLDFIELDS #3	CG/L5155	1/19.16	18/09/1990
TOP FR.	CG/L5164	1/10.71	18/09/1990
GOLD FR.	CG/L5166	1/18.87	18/09/1990
GEORGIA	CG/L4437	1/19.99	18/09/1990
GEORGIA #1	CG/L4438	1/18.90	18/09/1990
GEORGIA #2	CG/L4439	1/19.65	18/09/1990
GEM	CG/L5150	1/15.56	18/09/1990

CG= CROWN GRANT
RCG= REVERTED CROWN GRANT

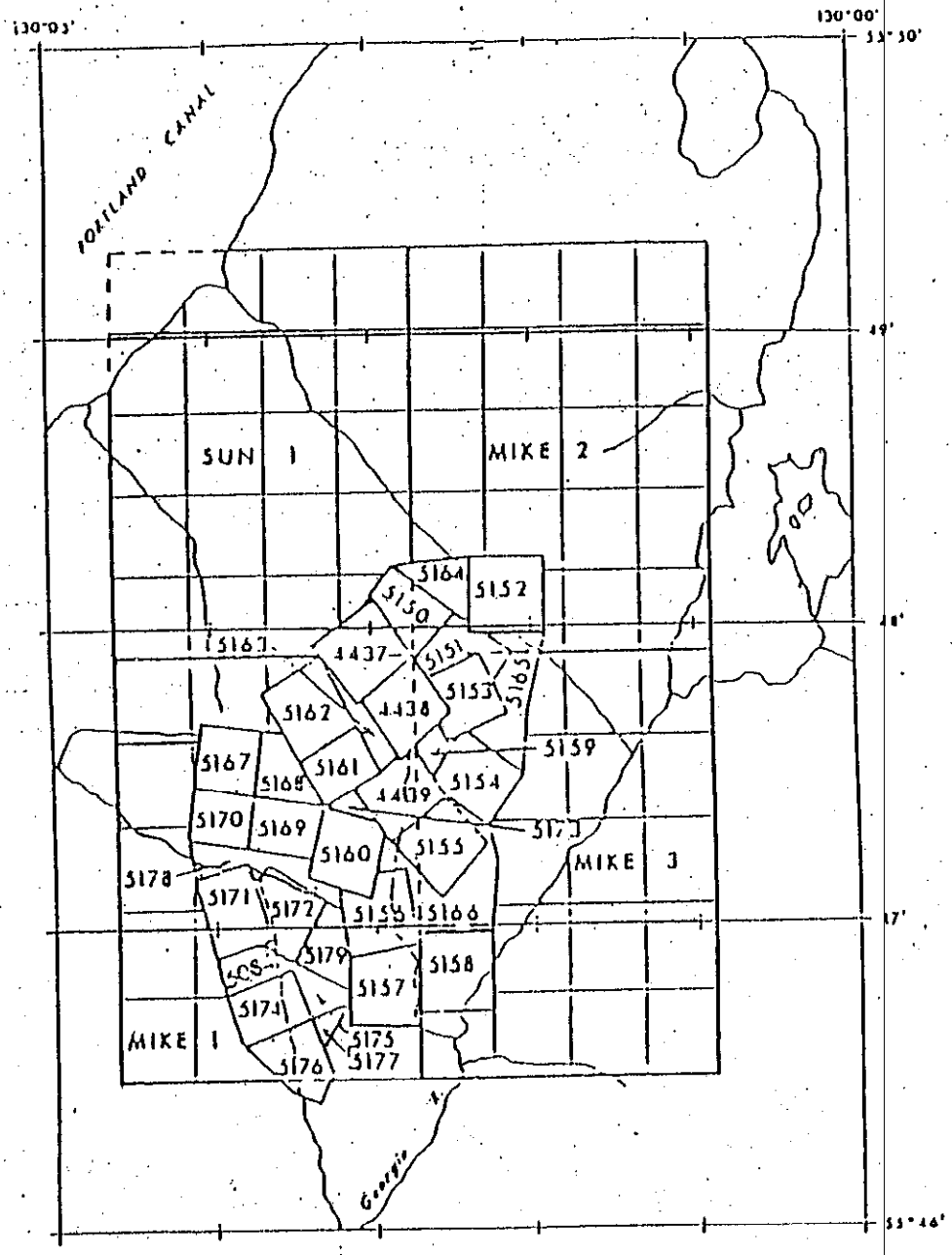


FIGURE: 90-02

CLAIM DISTRIBUTION

SCALE 1:50,000

1.3 EXPLORATION HISTORY

The initial gold showing was discovered by prospectors Dan Hume and Jake Jarvis in 1910, who staked the original Georgia River claims. The property has been worked on and off since 1912.

1912: Surface sampling of quartz veins gave little or no gold values; 5.18 metre shaft is said to have assayed from 206 to 274 gAu/t and 514 to 857 gAg/t

1913: 16.76 metres of tunnelling along the Bullion Vein, for which no values are reported; spotty surface values of the Bullion Vein range from 6.86 to 126.85 gAu/t

1915: **Georgia River Mining Company**
Bullion Vein tunnel advanced to the 74.68 metre mark (reported to carry good gold values); 10.67 metre raise completed; surface work on the Main Vein said to be "very encouraging"

1916: **Georgia River Mining Company**
Bullion Vein tunnel advanced to the 110.34 metre mark; 10.67 metre winze sunk to test the existence of an ore shoot "much of it with considerable gold"

1917: **Georgia River Mining Company**
Bullion Vein tunnel advanced to the 118.87 metre mark; 10.67 metre raise pushed to surface, from which bonanza ore averaging $47 per ton was taken (80.53 gAu/t, using a price of $20 per ton)

1918: **Georgia River Mining Company**
Bullion Vein tunnel advanced to the 124.97 metre mark at which point a 10.67 metre crosscut was driven to the west; 1916 winze extended by 2.13 metres to a depth of 12.80 metres, where a quartz vein with massive pyrrhotite yielded 78.17 gAu/t and 128.23 gAg/t

1919-1928: pack horse trail along the Georgia River completed in 1922; **Georgia River Gold Mines Ltd.** incorporated in 1925; wagon trail leading along the Georgia River completed in 1928

1929: **Georgia River Gold Mines Ltd.**
completion of a permanent camp with bunk houses, residences, assay offices and warehouses; the number 3 tunnel, designed to intersect the south end of the Southwest Vein, advanced 158.50 metres

1932: **Georgia River Gold Mines Ltd.**
crosscut on the Bullion Vein extended 39.62 metres to intersect with the Southwest Vein, at which point the Southwest Vein was drifted on for 39.62 and 54.86 metres to the south and north, respectively; values of 68.57 gAu/t, 137.14 gAg/t and 4.4% zinc are reported

1933: **Helena Gold Mines** incorporated with subsequent acquisition of Georgia River Gold Mines Ltd.; 929.64 metres of diamond drilling in 9 holes which encountered "no values of importance"; continued drifting to the north and south on the Southwest Vein with fair, but erratic gold values are reported in a few places

1935: property leased to **Gold Leasing Ltd.**

1936: **Helena Gold Mines Ltd.**
construction of a mill "of not less than 10 tons daily capacity"

1937: **Gold Leasing Ltd.**
processing of 500 tons of stoped material which yielded 11,280 grams of gold, 14,057 grams of silver and 3, 312 kilograms of lead, for an average mill grade of 22.56 gAu/t, 28.11 gAg/t and 0.73% Pb.

1979: **E&B Exploration Ltd./Cannon Resources Ltd.**
six BQ diamond drill holes totalling 342.91 metres designed to test the intersection of the Main and Southwest Veins and the Georgia and Southwest Veins; assay value of 32.91 gAu/t and 32.91 gAt/t over 1.45 metres reported from an intersection from the Southwest Vein

1980: **E&B Exploration Ltd./Can-Lake Exploration.**
904.46 metres of diamond drilling in 15 BQ holes on the Southwest and Georgia veins, 137 trenches with detailed sampling, 58 underground samples taken on the number 2 level, griding and mapping, and prospecting; significant gold mineralization was intersected in nine of the fifteen holes with values of up to 69.26 gAu/t over 1.53 metres

1981: **E&B Exploration Ltd./Cannon Resources Ltd.**
1,105.17 metres of diamond drilling in 14 BQ holes on the Southwest, Main and Georgia Veins with gold values of up to 12.65 and 953.15 gAu/t over 0.50 and 0.73 metres, respectively; inferred mineral inventory calculated at 23,687 tons grading 17.23 gAu/t and 20.23 gAg/t

1988: **Avatar Resource Corporation**
2,628.77 metres of diamond drilling in 15 BQ holes on the Southwest, Main and Georgia Veins with appreciable gold values, ranging from 3.87 gAu/t over 1.67 metres up to 178.35 gAu/t over 0.49 metres, intersected in 9 of the 15 holes; inferred mineral inventory calculated at 76,038 tons grading 21.50 and 22.49 gAg/t

1989: **Avatar Resource Corporation**
1,528.40 metres of diamond drilling in 8 BQ holes on the Southwest and Georgia Veins with gold values ranging from 3.79 to 64.43 gAu/t over 1.60 and 1.10 metres, respectively; inferred mineral inventory, calculated for 2 steeply plunging southwest ore shoots (Southwest Vein Zones 1 and 2) at 84,176 tons grading 19.54 gAu/t and 20.57 gAg/t (Southwest Vein Zone 1) and 34,425 tons grading 53.73 gAu/t and 22.49 gAg/t (Southwest Vein Zone 2)

2.0 REGIONAL GEOLOGY AND MINERALIZATION

The Georgia River property is situated in a broad north-northwest trending volcano-plutonic belt composed of the Upper Triassic Stuhini Group and Lower Triassic to Middle Jurassic Hazelton Group. The belt has been termed the Stewart Complex and forms part of the Stikinia Terrane. It is bordered to the west by the Coast Plutonic Complex, and sedimentary rocks of the Middle to Upper Jurassic Bowser Lake Group overlay the complex in the east.

The Hazelton Group represents an island-arc complex capped by basin turbidites. It has been subdivided into four lithostratigraphic units:

1) Upper Triassic to Lower Jurassic Unuk River Formation
   -thick sequence of andesitic flow/tuffs with minor interbedded sediments

2) Middle Jurassic Betty Creek Formation
   -andesitic to dacitic tuffs and flows

3) Middle Jurassic Mount Dillworth Formation
   -felsic volcanic sequence

4) Middle Jurassic Salmon River Formation
   -complexly folded siltstones and lithic wackes dominately of andesitic provenance

The Middle to Upper Jurassic Bowser Lake Group, a marine assemblage of shales, argillites, silts-mudstones, greywackes and conglomerates, rests disconformably on the Hazelton Group.

The contact between the Hazelton Group and the Bowser Lake Group passes between Strohn Creek in the north and White River in the south. The contact appears to be a thrust zone with Bowser Lake Group sediment slices occurring within and overlying the Hazelton Group volcano-sedimentary rocks to the west.

Two main intrusive episodes occur in the Stewart area. A Lower Jurassic suite of diorite to granodiorite porphyries (Texas Creek Suite), that are co-magmatic with extrusive rocks of the Hazelton Group, and a Lower Tertiary intrusive complex of quartz dioritic to granitic composition (Coast Plutonic Complex and Satellite Intrusions). Middle Cretaceous regional metamorphism is predominately of greenschist facies. Biotite hornfels are commonly associated with a majority of the intrusive stocks.

Depth persistent mesothermal to epithermal gold and silver mineralization represents the largest and most economically important class of deposits. A spatial and inferred temporal association for gold mineralization exists with Early Jurassic quartz-rich alkaline to calc-alkaline intrusions and volcanic centres. The mineralization is structurally controlled, generally with strong potassic and phyllic wall rock alteration. Secondary enrichment is not a significant component within the deposits of the Stewart Complex (Grove, 1988)

3.0 PROPERTY GEOLOGY AND MINERALIZATION

A secant-chained, 26 line-kilometre grid (including baselines, tielines and crosslines) was established by GRASSROOTS ENTERPRISES of Kamloops. The lines were placed using nylon chains and a hand-held inclinometers. Stations were marked by wooden pickets at 25 metre intervals along the baselines and tielines, and at 20 metre intervals along all cross lines.

A total of 18 line- kilometres of geological mapping at a 1:1,000 scale was completed. Two hundred and eighty-two surface samples were taken and analyzed by fire assay for gold as well as 31 element ICP (Appendices A and B).

The property consists of Upper Triassic to Lower Jurassic Unuk River Formation andesitic pillowed and massive flows, crystal and ash tuffs, and minor argillites (Figures 90-03A & 90-03B). The volcanic package has been intruded by various granodiorite dykes and/or plugs correlative with the Lower Tertiary Coast Plutonic Complex. Foliation and bedding average 120 to 150 degrees with dips of 50 to 70 degrees to the southwest. Chloritic schists are developed proximal to the faulting and intrusive episodes. Minor folding of the tuffaceous unit on the western portion of grid (lines 0+00 to 6+00 NW) is supported by mapping, ground geophysical surveys (Section 5.2) and diamond drilling (Appendix C). Graphitic horizons were noted within this folded tuffaceous unit.

Many of the original textures of the Hazelton Group rocks have been

obscured by strong chloritic alteration and calcification, and locally by moderate silicification in the contact zones of the intrusives. The volcanics are generally dark grey-green, fine-grained and massive. Pillowed flow units recognized at a number of outcrops are characteristically pocked-marked, fine to medium-grained, strongly calcareous and deformed. Due to the difficulty in identifying good pillow structures, this unit may have been mistakenly mapped as massive andesitic volcanics in places.

Intrusive dykes and/or plugs are predominately granodioritic in composition, averaging less than 150 metres in width. Minor comagmatic hornblende porphyry dykes, 5 to 10 metres in width, occur in association with the volumetrically more abundant granodiorite dykes. Fine-grained, dark black argillitic sediments are found flanking granodioritic dykes on the northeast portion of the grid. The sedimentary material is interpreted as representing rafts associated with the faulting and emplacement of the dyke rocks.

A total of 18 auriferous epithermal quartz veins have been well documented by previous workers. Eight of these veins follow northwest striking shear zones, and eight occur as fissure fillings striking north-northeast. The remaining two veins trend northeast and are sphalerite rich zones within chlorite-sericite schists near or contiguous to a granodiorite dyke. These three vein trends carry varying amounts of gold, with the richest auriferous

mineralization occurring at the intersection of the northwest and north-northeast veins. Only one vein, the Southwest vein, has been drilled to any great extent.

Owing to variable snow cover, only 9 of the known 18 veins were partial ground-truthed by geological mapping. This includes the Gem Top, Gem, Georgia, Main, Eastmark, East, Granodiorite, Southwest and Bullion Veins (Figures 90-03A & 90-03B). A sampling program of 137 chip samples from the nine veins was conducted in order to corroborate a 1981 quartz vein sampling program. Results are discussed under Section 4 of the report.

The 4 northwest striking veins (Main, Georgia, Gem and Gem Top) typically consist of less than 5% disseminations, blebs and stringers of pyrite and pyrrhotite +/- sphalerite and galena. The dips average approximately 60 degrees to the southwest. The 4 north-northeast veins (Southwest, Bullion, East and Eastmark) average 10% disseminations, blebs and stringers of pyrite, pyrrhotite, sphalerite and galena +/- minor chalcopyrite and arsenopyrite. These veins have subvertical dips to the northwest. The mineralization associated with the northeast Granodiorte vein consists of either massive sphalerite and pyrite or as quartz-carbonate stringers and veins containing blebs and disseminations of pyrite and pyrrhotite +/- sphalerite. The vein is shallow-dipping to the southeast. Electrum, a gold alloy containing more than 20% silver, has been noted to occur within the quartz vein

systems by previous workers, but was not observed during the 1990 program.

Trace amounts of finely disseminated pyrite are noted throughout all other rock types on the property. Up to 4% pyrite occurs as fine disseminations concentrated along bedding planes in the folded tuffaceous unit on the western portion of the grid, giving it a weak to moderately rusted appearance. Semi-massive, variably mineralized discontinuous pods and/or quartz sweats and stringers have been sampled. They occur predominately within the volcanic rocks.

4.0 1990 SURFACE SAMPLING PROGRAM

A total of 282 surface samples were collected during the course of the program (Figures 90-04A and 90-04B). Appendix A provides rock descriptions, fire assay results for gold and silver, and grid coordinates of each sample. The samples are grouped into three locations. One group of 90 samples were taken largely in the vicinity of EM conductors E-1 to E-4 (discussed in Section 5.2) on the western portion of the 303 degree trending grid. A second group of 137 samples were taken from nine quartz vein systems in an attempt to corroborate results of a detailed 1981 trench sampling program. The third group of 55 samples were taken from various locations throughout the gridded area. Table 2 lists sample numbers for the 3 groupings.

Of the 90 samples taken from the first group, on the 303 degree trending grid, 87 assayed less than 1.00 gAu/t. The remaining 3 samples (12058, 12074, and 12252) assayed 2.77, 2.39 and 1.16 gAu/t over grab, 0.90 and 1.20 metres, respectively. The corresponding silver values are 5.9, 1.4 and 2.6 gAg/t, respectively.

TABLE 2

SAMPLE NUMBER GROUPINGS

GROUP	SAMPLE SERIES
303 Degree Trending Grid Group	12010-12012,12014-12024,12026-12036,12058-12060,12062-12072,12074-12084,12086-12091,12138-12140,12148-12149,12151,12241-12248,12250-12260,12262-12270
Quartz Vein Group	12094-12096,12098-12108,12110-12120,12122-12132,12134-12136,12157-12166,12168-12177,12179-12188,12190-12196,12202-12212,12214-12224,12226-12236,12238-12240,12272,12274-12284,12286-12294,12299-12302
Various Location Group	12001-12009,12038-12048,12050-12057,12092-12093,12137,12141-12144,12146-12147,12150,12152-12155,12197-12200,12271,12295-12297,12303-12308

Extensive trench sampling of all the known quartz veins was conducted during the 1981 program (E&B Explorations Ltd./Cannon Resources Ltd.). Results of this program show elevated gold values to be erratic along the quartz veins, possibly indicative of a nugget effect. Consistent, high gold values were encountered at the intersection of the Southwest and Georgia Veins (Southwest Vein Zone 1), ranging from 5.49 gAu/t over 0.99 metres to 223.20 gAu/t over 0.30 metres. The 137 samples taken from the 9 quartz veins during the 1990 program corroborate the data from the 1981 program. Gold values were erratically distributed along the veins, ranging from 0.01 gAu/t over 0.60 metres (Sample 12110) to 23.80 gAu/t over 0.17 metres (Sample 12135). Samples taken in the vicinity of the Southwest Vein Zone 1 (12157-12166, 12168-12177, 12179-12188, 12190-12196, and 12299-12302) show consistently higher gold values as compared with areas where an intersection of northwest and north-northeast trending veins is lacking. Results range from 0.02 gAu/t over 0.30 metres (12166) to 32.10 gAu/t over 0.55 metres (12194). Of the 41 samples taken from the vicinity of the intersection of the Southwest and Georgia Veins, 16 assayed greater than 1.00 gAu/t.

Of the remaining 55 samples taken from various locations on the grid, 46 assayed less than 1.00 gAu/t. The remaining 9 samples (12045,12051,12056,12143,12147,12198,12271,12295 and 12308) assayed 2.00, 1.20, 2.15, 1.07, 34.75, 14.95, 91.50, 4.14 and 2.40 gAu/t over 1.30, grab, 0.90, 0.60, 0.20, 0.30, 0.70, 0.20 and 0.50

metres, respectively. The corresponding silver values are 39.2, 375.0, 325.0, 8.4, 997.0, 15.8, 27.6, 82.0 and 10.4 gAg/t.

An apparent positive correlation between elevated gold values and that of lead and zinc is suggested from previous work as well as the 1990 program. Induced coupled plasma data (ICP) is provided in Appendix B. Table 3 provides a list of 12 of the higher gold values with corresponding lead and zinc values.

TABLE 3

GOLD-SILVER-LEAD-ZINC COMPARISON

SAMPLE NUMBER	gAu/t	gAg/t	Pb(ppm)	Zn(ppm)
12098	145.65	202.4	24,323	9,770
12101	135.35	182.9	40,310	15,978
12135	23.80	100.0	17,805	14,242
12147	34.75	997.0	8,723	38,066
12232	118.00	36.80	6,999	5,051
12234	3.56	1.30	151	117
12235	28.40	20.1	286	166
12239	29.80	27.9	6,792	477
12277	40.30	88.1	14,106	1,017
12278	96.50	175.0	18,470	189
12279	18.90	30.60	2,980	87
12280	57.80	33.90	3,274	2,521

5.0 1990 GROUND GEOPHYSICAL PROGRAM

The ground geophysical programs, which comprised 23 kms horizontal loop EM, 26 kms magnetometer and 3.5 kms induced polarization surveys were carried out by Peter Walcott and Associates Ltd. under contract to Bond Gold Canada Inc. The three man crew comprised Rod Summerfield (crew chief), Sean Berryman (operator) and Martin Paschier (operator). The work was carried out between August 02, 1990, and August 18, 1990, under the supervision of Bond Gold Canada Inc. personnel.

The purpose of the work was to define conductive trends detected by an earlier airborne survey, to characterize the response of the known mineralization and to assist in the geological mapping and interpretation of the property. The surveys were conducted over a secant-chained grid with lines spaced at 100 metre intervals.

5.1 INSTRUMENTATION AND SURVEY PROCEDURES

The magnetometer survey was performed using an OMNI IV instrument manufactured by EDA Instruments of Toronto, Ontario. The proton precession magnetometer measures the Earth's Total Magnetic Field to a precision of 0.1 nanotesla. Readings are stored internally within the instrument's solid state memory. Data was dumped to an IBM compatible field computer and processed using GEOSOFT 2-D mapping software.

Diurnal variations in the ambient magnetic field were monitored by means of a second OMNI IV instrument operated in a base-station mode. The base station was established near the camp and the survey readings were corrected for diurnal drift by interconnecting the base and field magnetometers at the end of each day.

Total Field measurements were made along all tie-lines grid lines and baselines at 100 metre intervals.

The horizontal loop EM survey was carried out using a GENIE portable EM unit manufactured by Scintrex Ltd. of Concord, Ontario. For the purposes of this survey, three frequency pairs (337.5/112.5 Hz, 1012.5/112.5 Hz and 3037.5/112.5 Hz) were transmitted. The signal, from each of the two frequency pairs, were ratioed at the receiver and recorded as the percentage difference from a ratio of unity (detected in the absence of a conductive body).

Because the frequency pairs are ratioed, the system is insensitive to topographic errors as the effect is identical at both frequencies. The method is therefore ideally suited to use in areas of rough terrain.

Measurements of the three frequency ratios were made, using a nominal transmitter receiver separation of 80 metres, at a station spacing of 20 metres. In order to maintain good coupling between

the transmitter and the receiver, the coils were tilted such that they remained approximately coplanar throughout the survey.

The EM data were entered onto a field computer at the camp and plotted using GEOSOFT 2-D Mapping Software.

The Induced Polarization Survey was performed using a Mark IV receiver and a Mark IV 2.5 KW transmitter manufactured by HUNTEC Ltd. of Toronto, Ontario. The equipment was operated in a pole-dipole mode with a dipole "a" spacing separation of 20 metres and array spreads of one to four dipole lengths, n=1 to n=4. Measurements of chargeability, apparent resistivity and metal factor were determined at each station.

The IP data was reduced and plotted using GEOSOFT 2-D Mapping software.

5.2 DISCUSSION OF RESULTS

The plan maps and pseudosections displaying the data for each survey are appended to the report (Figures G-1 to G-5). The results of the interpretation of the three surveys are compiled on the Geophysical Compilation Map (Figures G-6A & G-6B) to which the reader is referred for the discussion of results and the conclusions that are to be drawn from them.

Inspection of the Total Magnetic Field contour map (Figure G-1) indicates that there is a fair degree of magnetic relief totalling about 1200 nT. In spite of several prominent disruptions, individual magnetic trends can be traced over distances of up to 800 metres. The evident coherency of the trends, in conjunction with the very low level of noise, suggests that the magnetic data is of a very high quality.

Magnetically, the gridded area can be divided into two separate domains. The larger of the two is located west of a line joining line 600S/00E to L0N/300W. This area is characterized by strong linear magnetic highs separated by broad magnetic lows. The second domain, lying east of the first, is distinguished by a more subdued magnetic relief. Anomalous trends are less well developed and tend to have quite short strike lengths.

Strike direction is clearly indicated by the magnetics and runs nearly north-south in the southern and eastern parts of the grid,

but turns gently in the centre of the grid to run approximately northwest-southeast in the western region. A higher degree of magnetic complexity is noted within this area of folding and a number of terminations or disruptions in major magnetic trends are evidence of large scale fault structures. The principal direction of interpreted faulting is northeast-southwest and structures have been defined crossing the entire grid (about 1.5 kms). A second set of faults, possibly conjugate, is also recognized from the magnetic data. This set is oriented northwest-southeast and gives rise to similar disruptions to magnetic trends as noted in the first set. The fact that the second set of inferred structures more closely parallels stratigraphy tends to subdue the effect seen in the contour pattern.

The parallel, linear high and low trends exhibited in the western part of the grid appears to reflect the presence of parallel bands of mafic volcanic flows and ash tuffs noted in that area. The magnetically less disturbed domain to the east contains a greater abundance of granodiorite and sedimentary rocks.

No distinct magnetic signature is apparent in the area of the known gold mineralization, which is hosted by a network of north-northwest and north-northeast striking quartz veins centred around line 0+00/0+00. Although no direct response is observed, disruptions in the magnetic fabric in the area of the veins may be the expression of structures which may host the gold

mineralization.

The results of the horizontal loop EM survey are presented in profile form in Figure G-3. Inspection of the data reveals that there is very little surficial conductivity and even at the highest frequency ratio, background values are generally less than 2%.

A total of eleven conductive trends, labelled E-1 to E-11 (Figures G-6A & G-6B), have been interpreted from the EM profiles. Four of these conductors, E-1 to E-4, exhibit strong to moderate conductivity, some yielding well developed anomalies even on the lowest frequency ratio. All four are located in the western part of the grid and mimic the curvature of the magnetics from north-south in the southern part of the grid to northwest-southeast in the western sector of the grid. The conductors appear to lie on two subparallel horizons. One of them ,E-2, has been defined over a length of 1.5 km and is open at either end. Conductor E-2, however, is not continuous as fault offsets are interpreted between lines 500 NW and 600 NW as well as between line 100 NW and 200 NW. The other three moderate to strong conductors (E-1,E-3 and E-4) lie to the east of E-2 and may be the conductive segments of a single horizon. These three discontinuous conductors tend to be stronger than the E-2 trend and in the case of E-4, demonstrates an apparent width of about 15 metres.

As can be noted from Figure G-3, the profile shapes vary

considerably along the length of the four western conductors. This is especially apparent on lines 300 NW and 400 NW where the anomalies reverse sign. The reversal is caused by the fact that the westward dipping sheet-like conductor is nearly parallel to the slope of the terrain and as a result, the anomalies take on some of the character of a flat-lying body.

The four western conductors possess little direct magnetic correlation, although E-1 and E-3 are located along the southern flanks of strong magnetic highs. The surface geology indicates that the conductors are hosted by tuffaceous rocks.

Conductors E-5 to E-11 have been detected in the central and eastern areas of the grid. These features are characterized by weak low amplitude responses suggesting poorly conductive near-surface sources. As such, they are clearly distinct from the first four conductors discussed. Only partial magnetic correlation is observed with some of these features. The response of the seven weak anomalies is reminiscent of confined surficial conductors. The absence of correlating induced polarization responses would tend to support this interpretation. However, in view of the limited induced polarization coverage, weak near-surface bedrock conductors cannot be ruled out.

The results of the induced polarization survey are presented in pseudosection form as Figures G-5a to G-5h. Induced polarization

FIGURES APPENDIX

FIGURE 90-03A	GEOLOGY NORTH SHEET	1:2,500
FIGURE 90-03B	GEOLOGY SOUTH SHEET	1:2,500
FIGURE 90-04A	SAMPLE LOCATIONS/ROCK GEOCHEM NORTH SHEET	1:2,500
FIGURE 90-04B	SAMPLE LOCATIONS/ROCK GEOCHEM SOUTH SHEET	1:2,500
FIGURE 90-05	GR90 SURFACE DRILL PLAN	1:500
FIGURE 90-06	DRILL SECTION GR90.01	1:500
FIGURE 90-07	DRILL SECTION GR90.02	1:500
FIGURE 90-08	DRILL SECTION GR90.03	1:500
FIGURE 90-09	DRILL SECTION GR90.04	1:500
FIGURE 90-10	DRILL SECTION GR90.05	1:500
FIGURE 90-11	DRILL SECTION GR90.06	1:500
FIGURE 90-12	DRILL SECTION GR90.07	1:500
FIGURE 90-13	DRILL SECTION GR90.08	1:500
FIGURE 90-14	DRILL SECTION GR90.09	1:500
FIGURE 90-15	DRILL SECTION GR90.10	1:500
FIGURE 90-16	DRILL SECTION GR90.11, GR90.12	1:500
FIGURE 90-17	DRILL SECTION GR90.13, GR90.14	1:500
FIGURE 90-18	DRILL SECTION GR90.15	1:500

FIGURE G-1	TOTAL MAGNETIC FIELD CONTOURS	1:2,500
FIGURE G-2	TOTAL MAGNETIC FIELD VALUES	1:2,500
FIGURE G-3	HORIZONTAL LOOP EM SURVEY PROFILES	1:2,500
FIGURE G-4	HORIZONTAL LOOP EM SURVEY VALUES	1:2,500
FIGURE G-5A	INDUCED POLARIZATION SURVEY L 5+00S	1:2,500
FIGURE G-5B	INDUCED POLARIZATION SURVEY L 4+00S	1:2,500
FIGURE G-5C	INDUCED POLARIZATION SURVEY L 1+00S	1:2,500
FIGURE G-5D	INDUCED POLARIZATION SURVEY L 0+00	1:2,500
FIGURE G-5E	INDUCED POLARIZATION SURVEY L 1+00 N	1:2,500
FIGURE G-5F	INDUCED POLARIZATION SURVEY L 2+00 N	1:2,500
FIGURE G-5G	INDUCED POLARIZATION SURVEY L 3+00 N	1:2,500
FIGURE G-5H	INDUCED POLARIZATION SURVEY L 4+00 N	1:2,500
FIGURE G-6A	GEOPHYSICAL COMPILATION NORTH SHEET	1:2,500
FIGURE G-6B	GEOPHYSICAL COMPILATION SOUTH SHEET	1:2,500

coverage is confined to part of the eastern half of the grid and was originally designed as a test survey in an attempt to obtain a geophysical response over the known auriferous vein mineralization on the property. The survey was subsequently extended owing to positive test results. The interpretation of the induced polarization data is compiled on Figures G-6A & G-6B.

Examination of the apparent resistivity pseudosections indicates that the environment is quite resistive, typically in the range 3,000-10,000 ohm metres. Probably as a result of the high bedrock resistivities, background chargeabilities are elevated and are commonly between 5 and 10 milliseconds. The pseudosections indicate that there is very little noise and anomaly shapes are, for the most part, well developed.

A total of five separate induced polarization trends have been inferred from the data. The trends are mainly oriented north-south but vary from northwest-southeast to northeast-southwest. These anomalies are mostly expressed by strong to moderate chargeability values, typically 25 to 40 milliseconds, and are frequently accompanied by strongly to moderately depressed resistivities ranging from 600 to 1500 ohm metres.

Two of the induced polarization trends, I-1 and I-2, correlate with known auriferous quartz vein mineralization. The lengths of the axes appear to indicate an extension of the veins into areas where

they were previously unknown. The chargeability responses associated with I-1 and I-2 are ascribed to the presence of disseminated pyrite within, and at the margins of, the veins.

The other three induced polarization trends, I-3 to I-5, are located near the eastern edge of the grid. Although mainly strong anomalies and, in some cases, quite broad, they are located in areas that have been shown by geological mapping to be underlain by argillitic rocks. It is likely, therefore, that these features do not represent the same type of target as I-1 and I-2 and are instead probably the expression of weakly graphitic horizons.

6.0 1990 DIAMOND DRILLING PROGRAM

A total of 1,556.66 metres of diamond drilling on geophysical, newly discovered geological and known auriferous quartz targets was completed in 15 BQTW holes. Drill hole collars and vein locations are illustrated in plan (Figure 90-05). A diamond drill summary is given in Table 4 with the corresponding drill logs and assay results in Appendix C. Certified assay certificates are found in Appendix B. A five digit code for the geology legend has been utilized and is shown in Table 5.

TABLE 4

DIAMOND DRILL INTERSECTION SUMMARY

HOLE	FROM(m)	TO(m)	LENGTH (m)	gAu/t	gAg/t
GR90.01	19.50	21.00	1.50	1.00	3.9
GR90.02	12.50	14.00	1.50	0.07	1.6
GR90.03	23.00	24.50	1.50	0.80	1.3
GR90.04	43.50	45.00	1.50	0.02	1.7
GR90.05	21.90	22.60	0.70	1.97	120.4
GR90.06	42.57	44.30	1.73	0.50	1.6
GR90.07	98.00	99.50	1.50	0.03	3.2
GR90.08	69.00	69.83	0.83	7.18	3.8
GR90.09	50.81	52.31	1.50	0.14	0.9
GR90.10	39.11	40.39	1.28	1.08	42.0
GR90.11	87.70	93.00	5.30	8.13	9.1
includes	90.02	93.00	2.98	13.53	13.5
GR90.12	110.28	111.61	1.33	0.20	2.6
GR90.13	96.00	99.00	3.00	8.20	8.4
includes	97.50	99.00	1.50	14.10	12.8
GR90.14	79.59	82.10	2.51	1.31	9.3
includes	80.53	82.10	1.57	1.18	6.0
GR90.15	32.05	33.12	1.07	8.85	230.0

TABLE 5

DRILL SECTION AND LOG CODING LEGEND

LEGEND

ROCK TYPE

PYROCLASTICS

1	ASH/DUST TUFF <1/8mm
2	COARSE ASH TUFF <2mm
3	LAPILLI TUFF <64mm
4	AGGLOMERATE >64mm
5	CRYSTAL TUFF

VOLCANIC EXTRUSIVES

6	ANDESITE FLOW

INTRUSIVE

7	HBL PORPHYRY
8	HBL PORPHYRY DYKE
9	HBL/PLAG PORPHRY
10	KSPAR GRANODIORITE
11	APLITE DYKE
12	ANDESITE DYKE
13	QUARTZ DIORITE
14	DIABASE DYKE

SEDIMENTARY ROCKS

16	ARGILLITE
16	SHALE
17	FOSSILIFEROUS LIMESTONE
18	CHERT
19	QUARTZ VEIN
20	QZ.-Cb. VEIN

OTHER

BREC	BRECCIA
##	BROKEN CORE
FZ	FAULT ZONE
MS	MASSIVE SULPHIDE
MZ	MINERALIZED ZONE
WMZ	WEAKLY MINERALIZED ZONE

ALTERATION

A	chloritic
B	epidote
C	carbonate
D	albite
E	propylitic
F	sericitic
G	silica/cherty
H	silica/stockwork
I	phyllic
J	tourmaline
K	adular
L	biotite
M	potassic
N	argillitic
O	clay
P	pyrite
Q	hornfels
R	skarn
S	limonitic
T	MnOx
U	graphitic

ALT. INTENSITY

1	very weak (matrix)
2	weak (matrix)
3	weak (phenos)
4	weak (matrix + phenos)
5	patchy
6	moderate
7	strong
8	pervasive

SULPHIDES

PYRITE

a	disseminated	%
b	diss. subbio	%
c	stringers	%
d	dis. +stringers	%
e	qz/ab stringers	%
f	small pods	%
g	veinlets	%
h	semi massive	%
i	massive	%

PY AND PO

k	disseminated	%
l	stringers	%
m	diss. +stringers	%
n	small pods	%
o	semi massive	%
q	massive	%

PY/PO + SPH/GA

r	disseminated	%
s	stringers	%
t	diss. +stringers	%
u	small pods	%
v	veinlets	%
w	semi massive	%
x	massive	%

6.1 GEOPHYSICAL DRILL TARGETS

Four EM drill targets (GR90.01:E-2,E-4;GR90.02:E-2,E-3;GR90.03: E-2; and GR90.04:E-7) were tested. Three of the drill targets were technically successful in identifying a formational graphitic tuffaceous horizon (GR90.01-GR90.03) with up to 0.80 gAu/t over 1.50 metres. The fourth drill target, testing a weak EM anomaly (E-7) with magnetic correlation, was not explained.
Drill sections for holes GR90.01 to GR90.04 are shown in Figures 90-06 to 90-09.

Four induced polarization drill targets (GR90.05:I-5; GR90.07:I-1;GR90.08:I-2; and GR90.09:I-2) were identified and drilled. Three of these intersected mineralized quartz veins (GR90.05, GR90.08-GR90.09) with intercepts of 1.97 gAu/t, 7.18 gAu/t and 0.14 gAu/t over 0.70, 0.83 and 1.50 metres, respectively. The fourth IP target (GR90.07:I-1), drilled at a westerly azimuth, was not intersected. The IP target should be drill tested by a drill hole with an easterly azimuth. Drill sections for GR90.05, GR90.07 to GR90.09 are shown in Figures 90-10 and 90-12 to 90-14.

6.2 GEOLOGICAL DRILL TARGETS

Three geological targets were selected for drill testing (GR90.06, GR90.10 and GR90.15). Cross sections are shown in Figures 90-11, 90-15 and 90-18.

Drill hole GR90.06, planned to intersect the East Vein which had assayed 88.00 gAu/t over 0.20 metres in the 1981 trench sampling program, did not intersect the vein. The vein appears to have pinched out at depth. The best intercept for this hole was 0.50 gAu/t over 1.73 metres. Drill hole GR90.10, designed to test a massive sulphide pod which assayed 375.00 gAg/t over 1.20 metres on surface (Sample 12050), intersected a sulphide zone between 39.11 to 40.39 metres which assayed 1.08 gAu/t over 1.28 metres. GR90.15, planned to test a massive sulphide vein which assayed 34.75 gAu/t over 0.20 metres on surface (Sample 12147), intersected semi-massive sulphide zones from 32.05 to 33.12 metres and 36.35 to 36.62 metres. A 1.50 metre horizon between these two intercepts assayed 8.85 gAu/t.

6.3 AURIFEROUS QUARTZ VEIN DRILL TARGETS

Two separate mineralized shoots have been defined by drilling in 58 drill holes totalling 6,509.71 metres (1979-1981, 1988-1989). The mineralized shoots have been termed the Southwest Vein Zones 1 and 2 by previous workers. The Southwest Vein Zone 1 occurs at the

intersection of the north-northeast trending Southwest Vein and the northwest trending Georgia Vein, and plunges approximately 70 degrees to the southwest. The Southwest Vein Zone 2 occurs at the intersection of the north-northeast trending Southwest Vein and the northwest trending Main Vein, and plunges subvertically.

Four holes (GR90.11 to GR90.14) were planned to verify previous drilling on the Southwest Vein Zone 1, which defines approximately 68% of the calculated inferred mineral inventory. Drill sections are provided in Figures 90-16 to 90-17. GR90.11 and GR90.12, with dips of -54 and -67 degrees, were drilled from the same set-up and intercepted the vein system at the interpreted locations. Assay results for Gr90.11 and GR90.12 are 8.13 gAu/t over 5.30 metres and 0.20 gAu/t over 1.33 metres, respectively. GR90.13 and GR90.14, drilled from the same set-up, both intersected the known quartz vein system. GR90.13 assayed 8.20 gAu/t over 3.00 metres. GR90.14 intersected the quartz vein system higher in the hole than had been expected. The drilling from GR90.13 and GR90.14 indicates dextral fault offsetting of the vein by approximately 20 metres to the south-southwest. GR90.14 assayed 1.31 gAu/t over 2.51 metres.

The mineralization intersected in holes GR90.11 to GR90.14 consists of multiple sulphide-bearing quartz and quartz-carbonate veins with brecciated mafic volcanic fragments, hosted within andesitic flows. Sulphide mineralization encountered, in order of decreasing abundance, includes pyrite, pyrrhotite, galena and chalcopyrite.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The ground and airborne magnetic surveys were effective in defining structural and stratigraphic trends on the property.

No distinct magnetic signature is apparent in the area of the known gold mineralization, which is hosted by a network of north-northwest and north-northeast striking quartz veins. Although no direct response is observed, disruptions in the magnetic fabric in the area of the veins may be the expression of structure which may host the gold mineralization.

A total of eleven EM conductors were detected by the GENIE EM survey. Four of these (E-1 to E-4) were drill tested and are explained by graphitic tuffaceous horizons. The other seven EM trends are weak conductors of possible surficial origin, but may be worthy of follow up in view of the limited induced polarization coverage.

The induced polarization survey successfully detected two known mineralized quartz veins, the Main and Gem Veins. Disseminated sulphides within the quartz veins appear to be responsible for the well developed anomalies that were detected. Eight lines of induced polarization data were carried out in the vicinity of the vein mineralization and detected five separate anomalous trends.

Two of the five induced polarization trends, I-1 and I-2, appear to be caused by vein mineralization. The survey has been useful in extending the veins over greater distances than were previously

defined. The remaining three induced polarization trends, I-3 to I-5, appear to be associated with argillitic rocks.

A total of 1,556.66 metres of diamond drilling in 15 holes was carried out to test the geophysical conductors, newly discovered geological targets and known auriferous quartz veins. Eight geophysical targets, three geological targets and four targets on the known epithermal quartz veins were tested. A 5.30 metre core interval grading 8.13 gAu/t and 12.1 gAg/t was obtained from drilling on the auriferous quartz veins. Drilling of the geological targets returned a 1.07 metre intersection which assayed 8.85 gAu/t and 230.0 gAg/t. EM drill targets returned assay values of up to 0.80 gAu/t and 1.3 gAg/t over 1.50 metres. A 0.83 metre intersection grading 7.18 gAu/t and 3.8 gAg/t was obtained from drilling of induced polarization targets.

Further evaluation of the known epithermal quartz veins is warranted. This should consist primarily of additional drilling of the two known mineralized shoots to evaluate their economic potential. An expanded induced polarization program, to include most of the area over which the known quartz veins occur, may be useful in delineating additional quartz veins A detailed surface examination of all known quartz veins should be undertaken.

8.0 COST STATEMENT

1990 GEORGIA RIVER PROJECT-EXPLORATION EXPENDITURES

Salaries and Wages (permanent and temporary)	41,604.97
Commercial Air Travel	8,668.01
Meals	251.62
Expediting	817.87
Aircraft Charter Fixed Wing	1,638.49
Ground Geophysical Surveys	27,368.42
Diamond Drilling	270,319.56
Aircraft Charter Rotary Wing	36,653.20
Assays And Analyses	18,887.37
Postage, Courier and Shipping	1,794.35
Camp and Field Equipment	6,792.47
Camp Expenses	5,400.00
Office and Computer Supplies	895.73
Telephone and Fax	1,786.05
Reproduction, Drafting, Photos and Maps	3,804.40
Report Preparation (Estimate)	3,000.00
Line Cutting and Surveying	20,656.02
Total Expenditures	450,338.53

9.0 CERTIFICATE OF QUALIFICATION

I, Adrian Dana Bray, of 1041 Comox St. Apt. 31, Vancouver B.C. do hereby certify that:

1. I have studied Geology at Acadia University in Wolfville, Nova Scotia and have received a Bachelor of Sciences degree with Honours in Geology (B.Sc.H.) in October of 1986.

2. I am an associate member in good standing of the Geological Association of Canada.

3. I have continuously practised my profession since graduation in Nova Scotia, Ontario, Quebec and British Columbia.

4. I am employed by Bond Gold Canada Inc.

5. The statements in this report are based on field work and office compilation on the Georgia River property. The field work was conducted from August 02 to September 11 of 1990. I have personally conducted or supervised the work described in this report.

Dated at Vancouver this 14th day of December, 1990.

ADRIAN DANA BRAY

STATEMENT OF QUALIFICATIONS

I, Desmond R.B. Rainsford, do hereby certify:

1. THAT I am a Geophysicist in the employ of Bond Gold Canada Inc., with offices at 20 Adelaide Street East, Toronto, Ontario.

2. THAT I graduated from the University of Bristol in 1978, with a Bachelor of Science Degree in Geology.

3. THAT I graduated from the Royal School of Mines, University of London in 1979, with a Master of Science Degree in Geophysics.

4. THAT I am a member of the Society of Exploration Geophysicists, the Canadian Exploration Geophysical Society and the European Association of Exploration Geophysicists.

5. THAT I have practised my profession for over nine years.

6. THAT this report is based on a review of published and unpublished reports, maps and data and on field work carried out between August 2, 1990, and August 18, 1990.

D R B Rainsford

12/12/90

STATEMENT OF QUALIFICATIONS

I, CHRISTINE ANN BOVAIRD, of 5760 Hyde Street, Burnaby B.C., do hereby declare that:

1. I have studied geology at The University of New Brunswick, Fredericton N.B., Canada.

2. I obtained a Bachelor of Science degree (B.Sc.) from The University of New Brunswick in May of 1990.

3. Since my gradutation I have worked as an exploration geologist in New Brunswick and British Columbia.

4. Presently I am employed as a Geologist with Borcom Associates, Vancouver British Columbia

5. The statements in this report are based on field work conducted on the Georgia River propety during the period August 02 to September 11, 1990.

Dated at Vancouver, in the Province of British Columbia, this 14th day or December, 1990.

Christine A. Bovaird

CHRISTINE A. BOVAIRD

STATEMENT OF QUALIFICATIONS

I, Anne M. Sasso of the city of Hudson in the Province of Quebec, do hereby certify that:

1. I graduated in 1987 from McGill University, Montreal, Quebec with a B.Sc. in Geological Sciences.

2. I have worked as a geologist in British Columbia, Quebec, Alberta, the Yukon and the Northwest Territories since June 1985.

3. I have assisted in logging drill core from the Georgia River property in the period of July 2 to September 30, 1990.

Dated at Hudson, Province of Quebec, this 9th day of December, 1990.

Anne M. Sasso

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APPENDIX A

GEORGIA RIVER FIELD SAMPLES 12,001-12,036

SAMPLE	NORTHING	EASTING	SULPHIDES	DESCRIPTION	WIDTH (m)	gAut	gAgt
12001	320	-368	1-2% py	Sheared mafic volcanic	grab	0.01	1.6
12002	288	-421	2% py	sheared mafic volcanic, 1' metre wide shear	grab	0.01	7.2
12003	302	-465	1-2% blebs py	sheared mafic volcanic	1.50	0.20	6.0
12004	240	218	1-2% diss py	mod oxidized, weakly sil seds (siltstone)	1.50	0.01	2.1
12005	174	185	3-5% diss py	mod-strong K alt, mod oxidized, locally sil volc	1.30	0.22	7.8
12006	223	150	3-5% diss py	mod K alt, mod oxiddized, locally sil volc (as 39006	1.35	0.30	5.7
12007	-511	-585	2-3% patchy py	mod gossan,mod alunite/jarosite,sericitic	1.50	0.02	4.3
12008	-503	-582	2-3% patchy py	mod gossan,mod alunite/jarosite,sericitic	1.50	0.02	2.9
12009	-448	-732	2% diss py	strong sil,weak-mod gossan,weak alunite ash tuff	1.50	0.01	4.6
12010	504	231	1-2% diss py	weak to mod gossaneous mafic volc.	grab	0.01	2.3
12011	515	460	1% diss py	mod to strongly gossaned crystal tuff	1.50	0.02	3.5
12012	108	96	1-2% diss py	mod gossaneous crystal tuff	0.85	0.01	1.9
12014	596	688	<1% diss py	mod gossaneous ash tuff	1.00	0.06	1.8
12015	107	262	<1% diss py	weakly gossaneous ash tuff	1.50	0.30	2.0
12016	114	300	<1% diss py	weak to moderately gossaneous ash tuff	1.50	0.02	2.5
12017	538	424	1% diss py	f.g. ash tuff w/ fine qtz stringers	1.20	0.01	4.0
12018	540	424	1% diss py	gossaneous, weak alunite/jarosite ash tuff	1.20	0.10	2.3
12019	537	423	1% diss py	gossaneous, weak alunite/jarosite ash tuff	1.20	0.01	2.4
12020	543	424	1% diss py	gossaned, weak alunite/jarosite ash tuff,graphitic	1.20	0.01	3.7
12021	565	416	1% diss py	gossaneous, tr. graphite, ash tuff	1.20	0.01	2.0
12022	569	409	tr diss po	weak gossaneous ash tuff	1.20	0.02	1.5
12023	570	409	tr diss po	gossaneous, weak alunite/jarosite ash tuff	1.20	0.01	2.3
12024	572	403	1% diss py,po	gossaned, weakly graphitic, mod. sil ash tuff	1.20	0.10	2.2
12026	577	408	1% diss py,po	highly gossaneous, weakly graphitic sil. ash tuff	1.20	0.02	1.4
12027	578	421	1-2%py-po	gossaned, weak alunite/jarosite, mod. sil ash tuff	1.20	0.08	3.5
12028	602	402	1-2% diss py	weak gossan, mod sil ash tuff	1.20	0.01	1.8
12029	602	403	2% diss py	weak gossan, mod sil ash tuff	1.20	0.02	1.9
12030	602	404	3-4% diss py	mod silicified ash tuff	1.20	0.18	1.7
12031	601	409	1-2% diss py	mod gossan,weak chloritic,tr. epidote, ash tuff	1.20	0.02	1.7
12032	601	410	1-2% diss py	mod gossan,weak chloritic,tr. epidote, ash tuff	1.20	0.03	2.4
12033	602	411	1-2% diss py	mod gossan,weak chloritic,tr. epidote, ash tuff	1.20	0.02	2.3
12034	604	420	2-3% diss py	mod gossan, 3-5% qtz/carb stringers, ash tuff	1.20	0.03	2.4
12035	605	421	2-3% diss py	mod gossan, 3-5% qtz/carb stringers, ash tuff	1.20	0.09	2.4
12036	580	421	2-3% diss py-po	gossaned, mod. sil ash tuff.	1.20	0.06	2.8

GEORGIA RIVER FIELD SAMPLES 12,092-12,146.

SAMPLE	NORTHING	EASTING	SULPHIDES	DESCRIPTION	WIDTH (m)	gAut	gAgt
12092	+020	-116	1% diss py	mod gossaneous, mod sil intermediate volc	1.80	0.46	6.4
12093	-390	-095	2% dis py	mod goss, mod sil with chlorite, sheared int volc	0.74	0.03	1.7
12094	-568	-053	5% dis py	sheared volcanics w qtz stringers	0.65	0.15	6.0
12095	-568	-053	2% diss py	quartz vein	0.14	2.21	1.3
12096	-541	-050	no sulphides	chloritic sheared volcanics	0.74	0.01	2.4
12098	-541	-050	<20% po,py,sph	qtz vein/gossaneous	0.19	145.65	202.4
12099	-541	-050	no sulphides	chloritic sheared volc w/ minor alt	0.90	1.41	5.3
12100	-534	-050	no sulphides	mafic dyke and sheared volc/no alteration	0.68	0.20	4.7
12101	-534	-050	<20%po,cpy,sph,	qtz vein/strongly gossaneous	0.25	135.35	182.9
12102	-534	-050	no sulphides	chloritic sheared volcanics	0.62	0.44	6.2
12103	-536	-055	2% py	chloritic/siliceous sheared volcanics	0.72	0.18	3.6
12104	-535	-055	2-5% py	quartz vein	0.13	7.54	3.2
12105	-535	-055	tr sulphide	intensely sheared volcanics	0.71	0.19	2.8
12106	-526	-045	tr py	mafic volc locally injected w/ milky qtz vein	0.50	0.06	2.6
12107	-526	-047	tr py	mafic volcanic	0.80	0.04	2.6
12108	-526	-047	5%py, 1%po	milky white quartz vein	0.20	0.83	4.9
12110	-518	-050	tr py	silicified mafic volcanic	0.60	0.01	2.8
12111	-518	-050	tr py, tr ga	milky white quartz vein	0.60	0.01	0.9
12112	-518	-050	tr py	silicified mafic volcanic	0.30	0.02	2.9
12113	-509	-053	no sulphides	sheared chloritic volcanics	0.73	0.01	3.0
12114	-509	-053	5% sulphides	quartz vein, moderately gossaneous	0.41	0.05	2.3
12115	-505	-055	5%py, tr sph	quartz vein, strong gossaneous	0.87	0.02	2.1
12116	-503	-054	1-2% py, tr ga	2@0.20 m quartz veins	0.70	0.03	2.9
12117	-503	-054	tr py	sheared mafic volcanic	0.80	4.20	18.5
12118	-499	-055	1% py	mafic volc w/ 0.20 m qtz vein-tr py,ga,po	0.75	0.96	5.9
12119	-499	-055	1% py	sheared mafic volc injected by mm qtz veinlets	1.00	0.08	3.4
12120	-497	-055	tr py,ga,po	3 0.25 m qtz veins in a mafic volcanic	0.90	0.19	3.1
12122	-497	-055	tr py	sheared mafic volcanic	0.60	0.16	3.3
12123	-493	-055	tr py	sheared mafic volc locally w/ mm qtz-cb veinlets	0.60	0.01	3.7
12124	-493	-055	tr diss py	1@0.25 m & 1@0.20 m milky qtz vein in mafic volc	0.60	0.96	4.3
12125	-490	-055	tr dis py,po,ga	quartz vein	0.15	0.02	0.8
12126	-490	-055	tr diss	sheared mafic volc locally injected by qtz stringers	1.05	0.02	2.8
12127	-487	-055	tr diss py	sheared mafic volcanics	0.70	0.04	3.1
12128	-487	-055	1% py,tr ga	milky white quartz vein	0.20	0.15	1.5
12129	-487	-055	tr diss py	sheared mafic volc	0.60	0.02	3.2
12130	-485	-054	1% dis py,tr ga	milky white qtz vein	0.20	0.01	0.5
12131	-481	-054	tr py	moderately sheared mafic volc	0.70	0.03	3.8
12132	-481	-054	dis py, tr ga	milky white qtz vein	0.15	0.09	1.0
12134	-481	-054	no sulphides	highly sheared mafic vol (chloritic schist)	0.65	0.02	3.5
12135	-473	-055	15% ga,py,sph	quartz vein w/ strong gossan	0.17	23.80	100.0
12136	-473	-055	tr diss py	sheared mafic volcanic	0.70	0.81	7.4
12137	+102	+128	1% fine diss py	sedimentary unit(siltstone)	1.20	0.01	2.8
12138	+328	+403	tr-1% Py	gossaneous crystalline tuff	1.00	0.01	1.6
12139	+327	+402	tr-1% Py	gossaneous crystalline tuff	1.00	0.02	1.7
12140	+326	+403	tr-1% Py	gossaneous crystalline tuff	1.00	0.01	2.0
12141	+100	-175	3%py,tr ga-po	strong gossaned, sheared mafic volcs, TR82	0.86	0.08	1.0
12142	+100	-175	5%py,tr ga-po	stronly gossaned quartz vein, TR82	0.62	0.03	5.4
12143	+095	-175	2% py	moderately gossaned qtz vein, TR81	0.60	1.07	8.4
12144	+095	-175	tr-1% py	weak to mod. gossaned mafic volc., TR81	0.22	0.02	2.9
12146	+205	-040	tr-1% py	moderately gossaned qtz vein, 170/63SW	1.20	0.37	0.6

GEORGIA RIVER FIELD SAMPLES 12,147-12,200

SAMPLE	NORTHING	EASTING	SULPHIDES	DESCRIPTION	WIDTH (m)	gAut	gAgt
12147	-185	-200	10 ga,5 py,2po	mass. sulph. vein (10 cm) contact w/ sheared intr.	0.20	34.75	997.0
12148	+426	+204	tr py	pyritic crystal tuff in contact with mafic volcanic	grab	0.21	35.8
12149	+400	+450	tr diss py	gossaned ash tuff w/ quartz veining	grab	0.28	25.9
12150	+295	+200	tr py	5 cm quartz vein	grab	0.47	10.2
12151	+380	+220	trace py.	sheared rusted crystal tuff	grab	0.02	5.5
12152	SOUTH OF	GRID	2% py	70 cm sheared mafic volc w/ 0.10 m qtz vein	0.70	0.01	2.0
12153	-209	-054	tr py	chip of granodiorite intrusive	0.75	0.02	1.0
12154	-209	-054	8% ga,2% py	quartz vein	0.30	0.03	18.1
12155	-209	-054	tr py	intrusive	0.65	0.01	2.3
12157	-214	-051	30%sph,10%py,trcpy	quartz vein	0.10	1.42	25.6
12158	-214	-051	tr py	granodiorite, chip sample	0.95	0.03	2.2
12159	-214	-051	tr py	granodiorite, chip sample	0.45	0.02	1.4
12160	-212	-053	3%ga,3%py,trcpy	quartz vein	0.45	0.04	4.3
12161	-212	-053	tr diss py	granodiorite w 1cm qtz vein	0.70	0.02	1.8
12162	-212	-053	tr py	granodiorite-may contain qtz vn	0.35	0.01	3.9
12163	-180	-048	2% py	sheared intrusive (T61)	0.50	1.40	3.0
12164	-180	-048	1-2% py	sheared intrusive	0.50	0.08	1.6
12165	-180	-048	1-2% py	sheared intrusive	0.50	0.17	0.7
12166	-184	-052	10% py	sheared, bleached intrus, poor exposure,T62	0.30	0.02	2.0
12168	-166	-055	5-10% ga-py	sheared intrus w/ quartz vein	0.60	1.06	7.8
12169	-166	-055	10% py,tr ga	sheared intrus w/ quartz vein	0.60	0.20	1.9
12170	-166	-055	2% py	sheared intrusive (granodiorite)	0.70	0.02	0.6
12171	-161	-055	15%ga,3%py	between T60/T44,sheared w/ qtz vn	0.40	1.37	10.2
12172	-161	-055	10% ga	between T60/T42,sheared int w/ 20cm qtz vn	0.90	0.22	4.0
12173	-161	-055	1% py	between T60/T44, granodiorite	0.70	0.20	3.8
12174	-159	-055	tr ga-py	highly sheared intrusive w/ qtz vn (45cm)	0.50	3.20	14.0
12175	-159	-055	3-5% py	very sheared intrusive	0.50	0.04	3.9
12176	-159	-055	3% py	moderately sheared intrusive	0.50	0.30	6.5
12177	-157	-055	20%ga,10%asp3%py	T44, quartz vein	0.35	4.37	37.8
12179	-157	-055	5% py	silicified intrusive	0.75	0.33	6.6
12180	-141	-052	3%py,tr ga	milky white quartz vein	0.10	2.80	5.7
12181	-141	-052	tr py	massive mafic volcanic	0.60	0.03	4.0
12182	-135	-043	tr-3% py	mass vol, py increases in prox to vein	0.65	1.97	10.4
12183	-135	-043	5%asp,2%py,tr ga	quartz vein	0.35	0.63	2.3
12184	-135	-043	tr py	silicified wall rock, mod sericitized	0.40	19.40	21.5
12185	-131	-042	5%py,3%ga	quartz vein	0.50	7.82	7.4
12186	-131	-042	tr py-asp	silicified mafic volcanics	0.50	0.18	4.8
12187	-131	-042	tr py-asp	silicified mafic volcanics	0.50	0.02	2.1
12188	-127	-038	tr py	silicified mafic volcanics	0.70	0.01	2.3
12190	-127	-038	10%ga,5%py2%asp	quartz vein	0.10	20.60	24.6
12191	-127	-038	no sulphides	sheared sil mafic volc w/ qtz stringers	0.70	0.17	3.8
12192	-120	-035	tr py	mafic volc wall rock, bleached	0.65	0.03	2.4
12193	-120	-035	3% py-po	quartz vein	0.20	1.82	3.7
12194	-120	-035	1-2% py	wedge of bleached volc w/ fuchsite	0.55	32.10	28.2
12195	-120	-035	tr py	quartz vein	0.20	0.32	4.1
12196	-120	-035	tr py	bleached volc wall rock w/ fuchsite	1.00	0.02	2.5
12197	-100	-030	tr diss py	silicified mafic volcanic	0.80	0.23	3.2
12198	-100	-030	25% py, tr ga	milky white quartz vein	0.30	14.95	15.8
12199	-100	-030	1% Py	sheared mafic volc, locally silicified	0.80	0.16	2.7
12200	-106	-026	1-2% py-po	wallrock,weak sil, mod ox,minor alunite/jarosite	1.20	0.16	4.1

GEORGIA RIVER FIELD SAMPLES 12,202-12,240

SAMPLE	NORTHING	EASTING	SULPHIDES	DESCRIPTION	WIDTH (m)	gAut	gAgt
12202	-440	+012	no sulphides	mafic volc w/ 5% quartz augens	0.80	0.02	2.1
12203	-440	+012	2%py,1%ga,1%asp	granodiorite dyke w/ quartz stockwork	1.20	0.04	2.3
12204	-440	+012	1% py, 1% ga	quart vein w/ mafic volc contamination	0.25	0.44	3.5
12205	-440	+012	no sulphides	silicified mafic volc	1.00	0.01	3.2
12206	-445	+008	no sulphides	mafic volc locally injected w/ mm qtz veinlets	0.70	0.01	2.2
12207	-445	+008	2%po,2%py,tr as	milky white quartz vein	0.15	0.01	1.4
12208	-445	+008	1% py	sheared mafic volc locally w/ qtz augens	0.50	0.02	2.6
12209	-445	+008	tr py, tr ga	milky white quartz vein	0.30	0.46	2.2
12210	-445	+008	1-2% py	sheared mafic volc, stockwork texture	1.20	0.02	3.5
12211	-445	+008	2%py,1%ga	rust stained white quartz vein	0.30	6.34	8.0
12212	-449	+006	no sulphides	sheared mafic volc locally injected w/ qtz veins	0.90	0.22	1.5
12214	-449	+006	1-2% py, 1% ga	milky white quartz vein	0.30	1.63	5.0
12215	-455	+003	no sulphides	massive mafic volcanic	0.40	0.01	2.5
12216	-455	+003	tr py	milky white quartz vein	0.40	0.22	2.0
12217	-455	+003	no sulphides	massive mafic volcanic	0.40	0.02	2.5
12218	-462	+000	no sulphides	sheared mafic volcanic w/ chloritic alteration	0.50	0.01	3.2
12219	-462	+000	no sulphides	milky white quartz vein	0.25	0.41	5.1
12220	-462	+000	no sulphides	mafic volcanic w/ quartz augens	0.50	0.01	3.4
12221	-462	+000	no sulphides	mafic volcanic w/ quartz vein stockwork	0.45	0.01	1.9
12222	-094	-024	no sulphides	chloritic sheared mafic volc adjacent to qtz vein	0.50	0.01	0.8
12223	-094	-024	tr py	quartz vein with chloritic inclusions, 0.85 m strike	0.10	0.01	0.9
12224	-094	-024	no sulphides	chloritic sheared mafic volc adjacent to qtz vein	0.75	0.01	1.1
12226	-091	-021	no sulphides	chloritic mafic volc adjacent to qtz vein	0.60	0.01	1.0
12227	-091	-021	no sulphides	quartz vein with chloritic inclusions, 0.30 m strike	0.10	0.01	0.3
12228	-091	-021	no sulphides	chloritic mafic volc adjacent to qtz vein	0.65	0.02	0.6
12229	-085	-018	no sulphides	chlor/ minor epid, mafic volc adjacent to qtz vein	0.90	0.01	0.6
12230	-085	-018	tr py, tr sph	qtz vein with chloritic wall rock inclusions	0.10	0.01	0.7
12231	-078	-015	1% diss py	sheared chloritic mafic volc adjacent to qtz vein	0.90	0.18	2.1
12232	-078	-015	3-5%py-sph,3%ga	qtz vein, mod oxidized, 0.40 m strike	0.06	118.00	36.8
12233	-043	+002	tr diss py	granodiorite wall rock west side of qtz vein	1.00	1.41	0.8
12234	-043	+002	no sulphides	qtz vein with chloritic mafic volc inclusions	0.20	3.56	1.3
12235	+018	+030	1% dispy,trcpy	sheared chlor mafic volc; includes 0.03 bull qtz vn	0.75	28.40	20.1
12236	+030	+040	tr diss py	qtz vein w/ 15% epidote xtals; carb-rich;T-13	0.20	0.23	1.2
12238	+030	+040	tr diss py	chloritic mafic volc adjacent to qtz vein	0.50	0.16	1.7
12239	+097	-027	7-10%py,1%sph	qtz vn w/ tr epid;includes 0.25m sil maf wl rk; T111	1.20	29.80	27.9
12240	+156	-015	1-2%py,trsph	T109; quartz vein, strongly oxidized	1.20	0.42	0.6

GEORGIA RIVER FIELD SAMPLES 12,241-12,294

SAMPLE	NORTHING	EASTING	SULPHIDES	DESCRIPTION	WIDTH (m)	gAut	gAgt
12241	+364	+403	tr diss py	mod.sil. st.ox. ash flow tuff	1.20	0.05	0.8
12242	+384	+440	tr diss py	mod.sil. st.ox. ash flow tuff	1.10	0.02	2.4
12243	+387	+438	tr diss py	mod.sil. st.ox. ash flow tuff	1.20	0.03	2.3
12244	+402	+456	tr diss py	mod.sil. st.ox. ash flow tuff w/ qtz stockwork	1.30	0.06	2.7
12245	+439	+508	tr diss py	mod.sil. st.ox. ash flow tuff	0.90	0.02	1.0
12246	+434	+514	tr diss py	mod.sil. st.ox. ash flow tuff	1.20	0.01	1.1
12247	+452	+511	tr diss py	mod.sil. st.ox. ash flow tuff	1.20	0.04	2.3
12248	+620	+402	7%asp,2-4%py-po	st.sil.mod.ox. pyroclast. w/ min. qtz stockwork	1.20	0.01	2.3
12250	+620	+402	7%asp,2-4%py-po	st.sil.mod.ox. pyroclast. w/ min. qtz stockwork	1.20	0.05	2.6
12251	+620	+402	7%asp,2-4%py-po	st.sil.mod.ox. pyroclast. w/ min. qtz stockwork	1.20	0.42	2.0
12252	+620	+402	7%asp,2-4%py-po	st.sil.mod.ox. pyroclast. w/ min. qtz stockwork	1.20	1.16	2.6
12253	+620	+402	7%asp,2-4%py-po	st.sil.mod.ox. pyroclast. w/ min. qtz stockwork	1.20	0.01	2.5
12254	+614	+402	tr diss py	mod.sil. mod.ox. pyroclastics	1.10	0.01	7.5
12255	+614	+402	tr diss py	v.f.gr. wk.sil. pyroclastics w/ gph horizons	1.00	0.01	2.9
12256	+686	+382	tr asp-py-po	mod.sil. mod,ox pyroclastic	1.20	0.01	3.5
12257	+685	+379	tr asp-py-po	mod.sil. mod,ox pyroclastic	1.20	0.01	2.8
12258	+692	+390	tr po-py	v.f.gr. mod.sil. wk.ox. pyroclastic	1.20	0.07	2.1
12259	+686	+387	2% py-po	v.f.gr. mod.sil. mod.ox. pyroclastic	1.20	0.02	2.0
12260	+689	+390	2% py-po	v.f.gr. mod.sil. mod. ox. pyroclastic	1.40	0.01	2.3
12262	+800	+340	1-2%py-po	mod.sil. st.ox. pyroclast, minor ass.w/2nd qtz flood	0.80	0.05	2.5
12263	+820	+340	3-5%py-po	mod.sil. wk.ox pyroclastic	1.00	0.01	2.2
12264	+840	+340	2-3%py-po-asp	st.sil. mod.ox. pyroclastic	1.20	0.01	2.4
12265	+860	+340	3-5% py-po	st.sil.mod.ox zone @ contact pyroclastic-mass.volc.	grab	0.01	2.3
12266	+880	+340	3-5%py,3%po	st.sil. st.ox. pyroclastic	0.70	0.01	2.4
12267	+880	+400	tr py	v.f.gr. wk.sil.wk.ox.pyroclastic w/ gph horizons	0.75	0.01	2.4
12268	+775	+400	tr py	wk.sil. wk.ox. pyroclastic	1.00	0.01	2.3
12269	+775	+450	1-2% diss py	v.f.gr. mod.sil.mod.ox.pyroclastic w/ gph. pods	1.20	0.01	3.5
12270	+775	+470	1-2%py-po	st.sil. st. ox. pyroclastic	1.20	0.07	2.6
12271	-058	-342	7%py-po-asp	qtz vein in volc. T099	0.70	91.50	27.6
12272	-061	-337	5%py-po-asp	min. volc. st.ox. st. sil. prox. to qtz vein T098	0.90	1.40	5.2
12274	-061	-337	5%py-po-asp	qtz vein in volc. T098	0.80	0.64	3.1
12275	-103	-329	3-5%py-po-asp	qtz vein above short adit	1.70	0.02	1.1
12276	-101	-334	3-5%py-po-asp	qtz vein in volc. T101	1.00	0.01	3.2
12277	-280	+241	15%sph-ga-py-po	qtz vein in trench 126	grab	40.30	88.1
12278	-275	+242	5%ga-py-sph	qtz vein in trench 125	grab	96.50	175.0
12279	-188	+187	3-5%py-ga	qtz vein in trench 127	grab	18.90	30.6
12280	-239	+080	20%asp-ga-py-po	qtz vein in trench 102	grab	57.60	33.9
12281	+100	+085	3-5%po-py-asp	min. volc. mod.sil. mod.ox.	1.20	0.68	4.3
12282	-326	-020	30%py10%sph5%ga	pod of massive sulphide in qtz vein. trench 58	0.15	8.94	204.0
12283	-326	-020	3-5%py,1-2%sph	mod ox. mod. sil. volc.	0.80	0.18	7.6
12284	-326	-020	1-2%py-sph	wk.ox. mod. sil. volc.	0.80	0.07	3.7
12286	-326	-010	3%py, tr sph	mod.ox. mod. sil. mod. ser. volc.	0.85	0.30	5.8
12287	-326	-010	3%py, tr sph	mod. ox. mod. sil. volc.	0.85	0.05	2.1
12288	-327	-024	3%py, tr sph	st.sil. wk.ox. volc.	0.50	0.05	2.0
12289	-327	-024	5%py, tr sph	qtz vein	0.30	1.20	3.9
12290	-327	-024	2-3%py, tr sph	st.sil. wk.ox. volc.	0.90	0.17	1.8
12291	-307	-027	3-5%py-po-sph	st.sil.wk.ox.volc. wall rock T40	1.20	0.04	2.3
12292	-307	-027	10%py,5%sph,3%p	discontinuous mass. sulph. pod T40	0.70	1.62	36.4
12293	-307	-027	1-2%py-po-sph	st.sil.wk.ox. volc. wall rock T40	1.00	0.05	3.6
12294	-189	+003	tr py	mass. volc. wall rock T24	0.80	0.21	3.8

GEORGIA RIVER FIELD SAMPLES 12,295-12,308

SAMPLE	NORTHING	EASTING	SULPHIDES	DESCRIPTION	WIDTH (m)	gAut	gAgt
12295	-189	+003	2%py-po-sph-cpy	massive sulphide pod/T24	0.20	4.14	82.0
12296	-189	+003	tr py	massive volcanic wallrock/T24	1.00	0.37	10.9
12297	-160	+006	1-2% py	quartz vein/T23	0.70	0.08	4.1
12299	-106	-026	1-2% py	quartz vein	0.30	9.80	21.8
12300	-101	-027	10% ga	sil mafic volc w/ 0.20 m qtz vn	0.80	25.10	74.2
12301	-101	-027	10% ga,3%py	quartz vein	0.30	4.68	10.3
12302	-101	-027	1% py	sil mafic volc	0.80	0.17	2.7
12303	-1146	-403	1-2% diss py-po	f.g. mass volc w/ minor qtz lenses	grab	0.03	10.4
12304	-1174	-374	3-5% str,dis py	f.g. mass volc w/ minor qtz stockwork	0.70	0.05	2.6
12305	-1085	-511	1-2% diss py-po	f.g. mass volc, minor qtz stwork, str sil	1.30	0.10	2.0
12306	-1092	-511	1-2% diss py-po	f.g. dark volc w/ graphitic horizons	0.50	0.02	2.4
12307	-1061	-514	5% dis/vnlts py	f.g ash tuff w/ abundant graphite (schistose)	0.80	0.02	1.3
12308	-348	-554	10%asp,2-3%ga	semi-mass sulphide/qtz vn in rusty xtal tuff	0.50	2.40	10.4

APPENDIX B

MIN-EN LABORATORIES
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SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA7

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-17-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULPS samples submitted JAN-10-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
9708	.02	.001
9709	.01	.001
9710	1.42	.041
9711	.02	.001
9712	.01	.001
9713	.01	.001
9714	.01	.001
9715	.02	.001
9716	.01	.001
9717	.02	.001
9718	.01	.001
9719	.01	.001
10238	.02	.001
10239	.03	.001
10240	.03	.001
10241	.01	.001
10242	.04	.001
10243	3.68	.107
10244	.30	.009
10245	.03	.001
10246	.04	.001
10247	2.29	.067
10248	14.10	.411
10249	.01	.001
10250	.01	.001
10251	.02	.001
10252	.01	.001
10253	.01	.001
10254	.01	.001
10255	.02	.001

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA8

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-17-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULPS samples submitted JAN-10-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
10256	3.77	.110
10257	.02	.001
10258	.01	.001
10259	.01	.001
10260	.02	.001
10261	.01	.001
10262	.01	.001
10263	.02	.001
10264	.01	.001
10265	.01	.001
10266	.01	.001
10267	.04	.001
10268	.09	.003
10269	3.80	.111
10270	.02	.001
10271	.01	.001
10272	.01	.001
10273	.02	.001
10274	.01	.001
10275	.02	.001
10276	.01	.001
10277	.01	.001
10278	.01	.001
10279	.02	.001
10280	.02	.001
10281	.01	.001
10282	3.82	.111
10283	.03	.001
10284	.04	.001
10285	.98	.029

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA9

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-17-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULPS samples submitted JAN-10-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
10286	1.18	.034
10287	.04	.001
10288	.02	.001
10289	.01	.001
10290	.02	.001
10291	.15	.004
10292	.69	.020
10293	.02	.001
10294	.01	.001
10295	3.84	.112
10296	.02	.001
10297	.11	.003
10298	.22	.006
10299	.01	.001
10300	.03	.001
10301	.01	.001
10302	.01	.001
10303	.02	.001
10304	.01	.001
10305	.01	.001
10306	.01	.001
10307	.02	.001
10308	3.89	.113
10309	.01	.001
10310	.02	.001
10311	.21	.006
10312	.03	.001
10313	.01	.001
10314	.01	.001
10315	.01	.001

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA10

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-17-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULPS samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
10316	.11	.003
10317	.01	.001
10318	.01	.001
10319	8.85	.258
10320	.23	.007
10321	3.61	.105
10322	.18	.005
10323	.17	.005
10324	3.02	.088
10325	.01	.001
10326	.41	.012
10327	.02	.001
10328	.13	.004
10329	.54	.016
10330	.01	.001
10331	.01	.001
10332	.01	.001
10333	.01	.001
10334	3.63	.106
10335	.01	.001
10454	.01	.001
10455	.01	.001
10474	.40	.012
10622	.01	.001
10623	.02	.001
10624	.03	.001
10625	2.58	.075
10626	5.00	.146
10627	3.45	.101
10628	.41	.012

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SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA28

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-17-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 pulps samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
11833	.02	.001
11834	.04	.001
11835	.21	.006
11836	.01	.001
11837	.18	.005
11839	.05	.001
11843	3.64	.106
11844	.02	.001
11845	.01	.001
11846	.02	.001
11847	.26	.008
11848	.01	.001
11849	.02	.001
11850	.02	.001
11851	.01	.001
11852	.32	.009
11853	.17	.005
11854	.02	.001
11855	.01	.001
11856	3.75	.109
11857	.03	.001
11858	.01	.001
11859	.01	.001
11860	.01	.001
11861	.02	.001
11862	.02	.001
12001	.01	.001
12002	.01	.001
12003	.20	.006
12004	.01	.001

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA29

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-17-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULPS samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
12005	.22	.006
12006	.30	.009
12007	.02	.001
12008	.02	.001
12009	.01	.001
12010	.01	.001
12011	.02	.001
12012	.01	.001
12013	3.76	.110
12014	.06	.002
12015	.30	.009
12016	.02	.001
12017	.01	.001
12018	*.03	.001
12019	.01	.001
12020	.01	.001
12021	.01	.001
12022	.02	.001
12023	.01	.001
12024	*.10	.003
12025	.60	.018
12026	.02	.001
12027	.08	.002
12028	.01	.001
12029	.02	.001
12030	.18	.005
12031	.02	.001
12032	.03	.001
12033	.02	.001
12034	.03	.001

*LOW SAMPLE WEIGHT.

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA30

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-18-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULPS samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
12035	.09	.003
12036	.06	.002
12038	.08	.002
12039	.20	.006
12040	.19	.006
12041	.07	.002
12042	.16	.005
12043	.20	.006
12044	.80	.023
12045	2.00	.058
12046	.21	.006
12047	.04	.001
12048	.08	.002
12049	.61	.018
12050	.56	.016
12051	1.20	.035
12052	.03	.001
12053	.92	.027
12054	.30	.009
12055	.35	.010
12056	2.15	.063
12057	.41	.012
12058	2.77	.081
12059	.14	.004
12060	.03	.001
12061	3.65	.106
12062	.02	.001
12063	.01	.001
12064	.19	.006
12065	.02	.001

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THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA31

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-18-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULPS samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
12066	.02	.001
12067	.01	.001
12068	.01	.001
12069	.02	.001
12070	.04	.001
12071	.58	.017
12072	.02	.001
12073	3.65	.106
12074	2.39	.070
12075	.02	.001
12076	.02	.001
12077	.01	.001
12078	.01	.001
12079	.01	.001
12080	.01	.001
12081	.02	.001
12082	.01	.001
12083	.01	.001
12084	.22	.006
12085	3.63	.106
12086	.09	.003
12087	.02	.001
12088	.01	.001
12089	.06	.002
12090	.17	.005
12091	.01	.001
12092	.46	.013
12093	.03	.001
12094	.15	.004
12095	2.21	.064

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TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA32

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-18-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULPS samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
12096	.01	.001
12097	3.60	.105
12098	145.65	4.248
12099	1.41	.041
12100	.20	.006
12101	135.35	3.948
12102	.44	.013
12103	.18	.005
12104	7.54	.220
12105	.19	.006
12106	.06	.002
12107	.04	.001
12108	.83	.024
12109	.47	.014
12110	.01	.001
12111	.01	.001
12112	.02	.001
12113	.01	.001
12114	.05	.001
12115	.02	.001
12116	.03	.001
12117	4.20	.123
12118	.96	.028
12119	.08	.002
12120	.19	.006
12121	3.65	.106
12122	.16	.005
12123	.01	.001
12124	.96	.028
12125	.02	.001

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VANCOUVER OFFICE:
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NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA33

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-18-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULPS samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
12126	.02	.001
12127	.04	.001
12128	.15	.004
12129	.02	.001
12130	.01	.001
12131	.03	.001
12132	.09	.003
12133	.57	.017
12134	.02	.001
12135	23.80	.694
12136	.81	.024
12137	.01	.001
12138	.01	.001
12139	.02	.001
12140	.01	.001
12141	.08	.002
12142	.03	.001
12143	1.07	.031
12144	.02	.001
12145	.59	.017
12146	.37	.011
12147	34.75	1.014
12148	.21	.006
12149	.28	.008
12150	.47	.014
12151	.02	.001
12152	.01	.001
12153	.02	.001
12154	.03	.001
12155	.01	.001

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VANCOUVER OFFICE:
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THUNDER BAY LAB.:
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FAX (807) 623-5931

SMITHERS LAB.:
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Assay Certificate

1V-0046-PA34

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-18-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULPS samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
12156	.60	.018
12157	1.42	.041
12158	.03	.001
12159	.02	.001
12160	.04	.001
12161	.02	.001
12162	.01	.001
12163	1.40	.041
12164	.08	.002
12165	.17	.005
12166	.02	.001
12167	.61	.018
12168	1.06	.031
12169	.20	.006
12170	.02	.001
12171	1.37	.040
12172	.22	.006
12173	.20	.006
12174	3.20	.093
12175	.04	.001
12176	.30	.009
12177	4.37	.127
12178	.64	.019
12179	.33	.010
12180	2.80	.082
12181	.03	.001
12182	1.97	.057
12183	.63	.018
12184	19.40	.566
12185	7.82	.228

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA35

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-18-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULPS samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
12186	.18	.005
12187	.02	.001
12188	.01	.001
12189	.60	.018
12190	20.60	.601
12191	.17	.005
12192	.03	.001
12193	1.82	.053
12194	32.10	.936
12195	.32	.009
12196	.02	.001
12197	.23	.007
12198	14.95	.436
12199	.16	.005
12200	.16	.005
12201	.62	.018
12202	.02	.001
12203	.04	.001
12204	.44	.013
12205	.01	.001
12206	.01	.001
12207	.01	.001
12208	.02	.001
12209	.46	.013
12210	.02	.001
12211	*6.33	.185
12212	.22	.006
12213	.58	.017
12214	1.63	.048
12215	.01	.001

*LOW SAMPLE WEIGHT.

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA36

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-18-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULPS samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
12216	.22	.006
12217	.02	.001
12218	.01	.001
12219	.41	.012
12220	.01	.001
12221	.01	.001
12222	.01	.001
12223	.01	.001
12224	.01	.001
12225	.60	.018
12226	.01	.001
12227	.01	.001
12228	.02	.001
12229	.01	.001
12230	.01	.001
12231	.18	.005
12232	118.00	3.442
12233	1.41	.041
12234	3.56	.104
12235	28.40	.828
12236	.23	.007
12237	.48	.014
12238	.16	.005
12239	29.80	.869
12240	.42	.012
12253	.01	.001
12254	.01	.001
12255	.01	.001
12256	.01	.001
12257	.01	.001

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA37

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-18-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULPS samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
12258	.07	.002
12259	.02	.001
12260	.01	.001
12261	3.50	.102
12262	.05	.001
12263	.01	.001
12264	.01	.001
12265	.01	.001
12266	.01	.001
12267	.01	.001
12268	.01	.001
12269	.01	.001
12270	.07	.002
12271	91.50	2.669
12272	1.40	.041
12273	.59	.017
12274	.64	.019
12275	.02	.001
12276	.01	.001
12277	40.30	1.175
12278	96.50	2.815
12279	18.90	.551
12280	57.80	1.686
12281	.68	.020
12282	8.94	.261
12283	.18	.005
12284	.07	.002
12285	.57	.017
12286	.30	.009
12287	.05	.001

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TELEPHONE (807) 622-8956
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA38

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-18-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULPS samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
12288	.05	.001
12289	1.20	.035
12290	.17	.005
12291	.04	.001
12292	1.62	.047
12293	.05	.001
12294	.21	.006
12295	4.14	.121
12296	.37	.011
12297	.08	.002
12298	.56	.016
12299	9.80	.286
12300	25.10	.732
12301	4.68	.137
12302	.17	.005
12303	.03	.001
12304	.05	.001
12305	.10	.003
12306	.02	.001
12307	.02	.001
12308	2.40	.070
9811	.10	.003
9837	.08	.002
9838	.04	.001
9839	.05	.001
9840	.56	.016
9841	.04	.001
9842	.02	.001
9843	.02	.001
9844	.01	.001

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SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1V-0046-PA39

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-18-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 17 PULPS samples submitted JAN-11-91 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
9845	.05	.001
9846	.02	.001
9847	.06	.002
9848	.01	.001
9849	.02	.001
9850	.01	.001
9851	.05	.001
9852	.02	.001
9853	.54	.016
9854	.43	.013
9855	.03	.001
9856	.01	.001
9857	.02	.001
9858	.01	.001
9859	.02	.001
9860	.01	.001
9861	.01	.001

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SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1901-PA39

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-11-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULP samples submitted DEC-28-90 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
9748	.01	.001
9749	1.44	.042
9750	.01	.001
9778	.02	.001
9779	.02	.001
9780	.01	.001
9781	.01	.001
9782	.01	.001
9783	.02	.001
9784	.01	.001
9796	.02	.001
9797	.01	.001
9798	.01	.001
9799	.03	.001
9800	.25	.007
9801	3.75	.109
9802	.04	.001
9803	.10	.003
9804	.21	.006
9805	.20	.006
9806	.01	.001
9807	.02	.001
9808	.01	.001
9809	1.00	.029
9812	.01	.001
9813	.02	.001
9814	3.78	.110
9815	.02	.001
9816	.05	.001
9817	.01	.001

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TELEPHONE (807) 622-8958
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SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1901-PA40

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-11-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULP samples submitted DEC-28-90 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
9818	.01	.001
9819	.01	.001
9820	.01	.001
9821	.02	.001
9822	.09	.003
9823	.03	.001
9824	.01	.001
9826	.04	.001
9827	3.81	.111
9828	.01	.001
9829	.03	.001
9830	.04	.001
9831	.03	.001
9832	.09	.003
9833	.14	.004
9834	.07	.002
9835	.06	.002
9836	.10	.003
9863	.02	.001
9864	.04	.001
9865	.01	.001
9866	3.80	.111
9867	.02	.001
9868	.01	.001
9869	.02	.001
9870	.01	.001
9871	.02	.001
9872	.04	.001
9873	.01	.001
9874	.05	.001

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1901-PA53

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-15-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULP samples submitted DEC-28-90 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
9723	1.74	.051
9724	.08	.002
9725	.07	.002
9726	.04	.001
9785	.03	.001
9786	.01	.001
9787	.02	.001
9788	1.60	.047
9789	.08	.002
9790	.05	.001
9791	.01	.001
9792	.02	.001
9793	.02	.001
9794	.01	.001
9795	.01	.001
9875	.05	.001
9876	.04	.001
9877	.01	.001
9878	.01	.001
9879	3.89	.113
9880	.05	.001
9881	.04	.001
9882	.02	.001
9883	.02	.001
9884	.05	.001
9885	.07	.002
9886	.04	.001
9887	.03	.001
9888	.04	.001
9889	.02	.001

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THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1901-PA54

Company: **BOND GOLD CANADA**
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-15-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULP samples submitted DEC-28-90 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
9890	.02	.001
9891	.01	.001
9892	3.96	.116
9893	.02	.001
9894	.03	.001
9895	.04	.001
9896	.05	.001
9897	.01	.001
9898	.04	.001
9899	.02	.001
9900	.04	.001
9901	.02	.001
9902	.02	.001
9903	.03	.001
9904	.01	.001
9905	4.00	.117
9906	.02	.001
9907	.01	.001
9908	.01	.001
9909	.03	.001
9910	.01	.001
9911	.02	.001
9912	.01	.001
9913	.01	.001
9914	.01	.001
9915	.02	.001
9916	.01	.001
9917	.01	.001
9918	3.85	.112
9919	.02	.001

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1901-PA55

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-16-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULP samples submitted DEC-28-90 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
9920	.02	.001
9921	.01	.001
9922	.01	.001
9923	.02	.001
9924	.01	.001
9925	.01	.001
9926	.01	.001
9927	.01	.001
9928	.01	.001
9929	.02	.001
9931	3.40	.099
9932	.02	.001
9933	.01	.001
9934	.01	.001
9935	.01	.001
9936	.01	.001
9937	.02	.001
9938	.01	.001
9939	.01	.001
9940	.01	.001
9941	.02	.001
9942	.01	.001
9943	.04	.001
9944	3.60	.105
9945	.01	.001
9946	.02	.001
9947	.01	.001
9948	.01	.001
9949	.04	.001
9950	.01	.001

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1901-PA56

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-16-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULP samples submitted DEC-28-90 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
9951	.01	.001
9952	.01	.001
9953	.01	.001
9954	.01	.001
9955	.10	.003
9956	.01	.001
9957	3.60	.105
9958	.02	.001
9959	.01	.001
9960	.01	.001
9961	.01	.001
9962	.15	.004
9963	.79	.023
9964	.80	.023
9965	.02	.001
9966	.01	.001
9967	.02	.001
9983	3.62	.106
9984	.04	.001
9985	.01	.001
9986	.02	.001
9987	.01	.001
9988	.01	.001
9989	.03	.001
9993	.01	.001
9994	.01	.001
9995	.01	.001
9996	3.65	.106
9997	.01	.001
9998	.02	.001

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VANCOUVER OFFICE:
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NORTH VANCOUVER, B.C. CANADA V7M 1T2
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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1901-PA57

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-16-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULP samples submitted DEC-28-90 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
10000	.02	.001
10006	.01	.001
10007	.01	.001
10008	.02	.001
10009	3.75	.109
10010	.05	.001
10011	.04	.001
10012	.01	.001
10013	.01	.001
10014	.01	.001
10015	.02	.001
10016	.01	.001
10017	.01	.001
10018	.01	.001
10019	.01	.001
10020	.01	.001
10021	.01	.001
10022	3.65	.106
10023	.01	.001
10024	.20	.006
10025	1.17	.034
10026	4.92	.144
10027	.01	.001
10028	.01	.001
10029	.01	.001
10030	.01	.001
10031	.24	.007
10032	.01	.001
10033	.01	.001
10034	.01	.001

Certified by _____

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NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1901-PA58

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-16-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULP samples submitted DEC-28-90 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
10035	3.82	.111
10036	.49	.014
10037	.03	.001
10038	.01	.001
10039	.02	.001
10040	.01	.001
10041	.02	.001
10042	.01	.001
10043	.01	.001
10044	.03	.001
10045	.01	.001
10046	.01	.001
10047	.02	.001
10048	3.83	.112
10049	.02	.001
10050	.01	.001
10051	.50	.015
10052	.21	.006
10053	.04	.001
10054	.01	.001
10055	.02	.001
10056	.01	.001
10057	.01	.001
10058	.02	.001
10059	.03	.001
10060	.01	.001
10061	3.70	.108
10062	.02	.001
10063	.02	.001
10064	.01	.001

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THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1901-PA59

(Company) BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-16-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULP samples submitted DEC-28-90 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
10065	.02	.001
10066	.01	.001
10067	.01	.001
10068	.01	.001
10069	.01	.001
10070	.03	.001
10071	.01	.001
10072	.02	.001
10073	.01	.001
10074	3.80	.111
10075	.01	.001
10076	.02	.001
10077	.01	.001
10078	.75	.022
10079	.01	.001
10080	.02	.001
10081	.04	.001
10082	.01	.001
10083	.02	.001
10084	.60	.018
10085	.02	.001
10086	7.18	.209
10087	3.69	.108
10088	.06	.002
10089	.34	.010
10090	.02	.001
10091	.01	.001
10092	.01	.001
10093	.02	.001
10098	.02	.001

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1901-PA60

Company: BOND GOLD CANADA
Project:
Attn: D.KENNEDY/D.MOLLOY

Date: JAN-16-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULP samples submitted DEC-28-90 by D.KENNEDY.

Sample Number	AU g/tonne	AU oz/ton
10099	.02	.001
10100	3.84	.112
10101	.04	.001
10102	.01	.001
10103	.02	.001
10104	.01	.001
10105	.03	.001
10106	.01	.001
10107	.04	.001
10108	.05	.001
10109	.01	.001
10110	.02	.001
10111	.04	.001
10112	.10	.003
10113	3.80	.111
10114	.26	.008
10115	.03	.001
10116	1.08	.032
10117	.21	.006
10118	.01	.001
10119	.02	.001
10120	.01	.001
10121	.01	.001
10122	.01	.001
10123	.01	.001
10124	.01	.001
10125	.01	.001
10126	3.77	.110
10127	.02	.001
10128	.01	.001

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1911-PA2

Company: BOND GOLD CANADA
Project:
Attn: A.VOGT/D.MOLLOY

Date: JAN-16-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULP samples submitted DEC-19-90 by A.VOGT.

Sample Number	AU g/tonne	AU oz/ton
9769	.02	.001
9770	.01	.001
9771	.02	.001
9772	.01	.001
9773	.01	.001
9774	.02	.001
9775	3.80	.111
9776	.02	.001
9777	.01	.001
9862	.01	.001
9974	.02	.001
9975	.01	.001
9976	.03	.001
9977	.25	.007
9978	.01	.001
9979	.01	.001
9980	.02	.001
9981	.02	.001
9982	.03	.001
9990	.02	.001
9991	.01	.001
9992	.01	.001
9999	.02	.001
10001	.01	.001
10002	.08	.002
10003	.01	.001
10004	.01	.001
10005	.01	.001
10094	.02	.001
10095	.01	.001

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1911-PA3

Company: BOND GOLD CANADA
Project:
Attn: A.VOGT/D.MOLLOY

Date: JAN-16-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULP samples submitted DEC-19-90 by A.VOGT.

Sample Number	AU g/tonne	AU oz/ton
10096	.02	.001
10097	.14	.004
10129	.01	.001
10130	.21	.006
10131	.07	.002
10132	.02	.001
10133	.04	.001
10134	.10	.003
10135	.01	.001
10136	.01	.001
10137	.02	.001
10138	.02	.001
10139	3.68	.107
10140	.24	.007
10141	.10	.003
10142	.32	.009
10143	.03	.001
10144	.03	.001
10145	.06	.002
10146	.16	.005
10147	.02	.001
10148	.05	.001
10149	.03	.001
10150	.02	.001
10151	.02	.001
10152	3.79	.111
10153	.02	.001
10154	.10	.003
10155	.11	.003
10156	.41	.012

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TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1911-PA4

Company: BOND GOLD CANADA
Project:
Attn: A.VOGT/D.MOLLOY

Date: JAN-17-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULP samples submitted DEC-19-90 by A.VOGT.

Sample Number	AU g/tonne	AU oz/ton
10157	.15	.004
10158	.03	.001
10159	.04	.001
10160	2.40	.070
10161	1.84	.054
10162	.96	.028
10163	.01	.001
10164	.04	.001
10165	3.84	.112
10166	2.20	.064
10167	.21	.006
10168	3.02	.088
10169	23.90	.697
10170	.22	.006
10171	.10	.003
10172	.08	.002
10173	.01	.001
10174	.02	.001
10175	.03	.001
10176	.62	.018
10177	.16	.005
10178	3.81	.111
10179	1.48	.043
10180	.46	.013
10181	.03	.001
10182	.22	.006
10183	.02	.001
10184	.01	.001
10185	.32	.009
10186	.01	.001

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FAX (604) 980-9621

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TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1911-PA5

Company: BOND GOLD CANADA
Project:
Attn: A.VOGT/D.MOLLOY

Date: JAN-16-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

He hereby certify the following Assay of 30 PULP samples submitted DEC-19-90 by A.VOGT.

Sample Number	AU g/tonne	AU oz/ton
10187	.02	.001
10188	.13	.004
10189	.30	.009
10190	.04	.001
10191	3.82	.111
10192	.01	.001
10193	.02	.001
10194	.01	.001
10195	.01	.001
10196	.01	.001
10197	.02	.001
10198	.01	.001
10199	.01	.001
10200	.01	.001
10201	.01	.001
10202	.02	.001
10203	.20	.006
10204	3.78	.110
10205	.03	.001
10206	.01	.001
10207	.02	.001
10208	.01	.001
10209	.01	.001
10210	.02	.001
10211	.08	.002
10212	.01	.001
10213	.01	.001
10214	.02	.001
10215	.02	.001
10216	.01	.001

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1911-PA6

Company: BOND GOLD CANADA
Project:
Attn: A.VOGT/D.MOLLOY

Date: JAN-16-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULP samples submitted DEC-19-90 by A.VOGT.

Sample Number	AU g/tonne	AU oz/ton
10217	3.81	.111
10218	.03	.001
10219	.19	.006
10220	.13	.004
10221	.01	.001
10222	.02	.001
10223	.02	.001
10224	.01	.001
10225	.38	.011
10226	.14	.004
10227	.02	.001
10228	.01	.001
10229	.02	.001
10230	3.84	.112
10231	.60	.018
10232	.17	.005
10233	.02	.001
10234	.03	.001
10235	.01	.001
10236	.02	.001
10237	.01	.001
10401	.01	.001
10402	.02	.001
10403	.01	.001
10404	.02	.001
10405	7.38	.215
10406	.11	.003
10407	46.40	1.353
10409	.58	.017
10410	.81	.024

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1911-PA16

Company: BOND GOLD CANADA
Project:
Attn: A.VOGT/D.MOLLOY

Date: JAN-17-91
Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 30 PULP samples submitted DEC-19-90 by A.VOGT.

Sample Number	AU g/tonne	AU oz/ton
10883	1.57	.046
10885	.26	.008
10886	.60	.018
10887	.02	.001
10888	.18	.005
10889	.44	.013
10890	.30	.009
10891	.10	.003
10892	.08	.002
10899	.01	.001
10958	.09	.003
10959	3.60	.105
10960	.01	.001
10961	.02	.001
10996	28.10	.820
10997	.40	.012
10998	3.65	.106
11000	.16	.005
12241	.05	.001
12242	.02	.001
12243	.03	.001
12244	.06	.002
12245	.02	.001
12246	.01	.001
12247	.04	.001
12248	.01	.001
12249	3.62	.106
12250	.05	.001
12251	.42	.012
12252	1.16	.034

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FAX (807) 623-5931
SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OS-0494-RA4

Company: LAC MINERALS/BOND GOLD
Project: GEORGIA RIVER
Attn: A.BRAY

Date: SEP-19-90

Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. LAC MINERALS/BOND GOLD, STEWART, B.C.
3. LAC MINERALS/BOND GOLD, TORONTO, ONT.

We hereby certify the following Assay of 13 ROCK samples submitted SEP-15-90 by A.BRAY.

Sample Number	AU g/tonne	AU oz/ton	AG g/tonne	AG oz/ton
35713	.17	.005	2.0	.06
35714	3.95	.115	20.2	.59
35715	.16	.005	1.6	.05
35716	.38	.011	4.9	.14
35717	.07	.002	1.0	.03
35718	.28	.008	1.3	.04
35719	.55	.016	2.5	.07
35720	.04	.001	1.0	.03
35721	.02	.001	0.7	.02
35722	.03	.001	1.0	.03
35723	.04	.001	0.7	.02
35724	.03	.001	1.0	.03
35725	.03	.001	1.3	.04

Certified by _____

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(DIVISION OF ASSAYERS CORP.)

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FAX (604) 980-9621
THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931
SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OS-0418-RA2

Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. LAC MINERALS/BOND GOLD, STEWART, B.C.
3. LAC MINERALS/BOND GOLD, TORONTO, ONT.

He hereby certify the following Assay of 11 ROCK samples submitted SEP-03-90 by A.BRAY.

Sample Number	AU g/tonne	AU oz/ton	AG g/tonne	AG oz/ton
35075	.01	.001	1.1	.03
35076	.01	.001	0.9	.03
35077	.01	.001	0.3	.01
35078	.02	.001	1.3	.04
35079	.16	.005	1.1	.03
35080	.75	.022	2.6	.08
35081	.67	.020	1.3	.04
35082	.05	.001	2.4	.07
35083	.03	.001	1.5	.04
35084	.02	.001	1.7	.05
35085	.01	.001	1.0	.03

Certified by _____

MIN-EN LABORATORIES

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(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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FAX (604) 980-9621
THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931
SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OS-0422-RA1

Company: LAC MINERALS/BOND GOLD CANADA
Project: GEORGIA RIVER
Attn: A.BRAY/D.MOLLOY

Date: SEP-04-90

Copy 1. BOND GOLD CANADA, VANCOUVER, B.C.
2. BOND GOLD CANADA, STEWART, B.C.
3. BOND GOLD CANADA, TORONTO, ONT.

We hereby certify the following Assay of 22 ROCK samples submitted AUG-31-90 by A.BRAY.

Sample Number	AU g/tonne	AU oz/ton
35086	.02	.001
35087	.02	.001
35088	.02	.001
35089	.01	.001
35090	.01	.001
35091	.01	.001
35092	.06	.002
35093	.22	.006
35094	.02	.001
35095	.01	.001
35096	.01	.001
35097	.01	.001
35098	.01	.001
35105	.01	.001
35106	.01	.001
35107	.01	.001
35113	.02	.001
35115	.02	.001
35116	.07	.002
35117	.03	.001
35118	.03	.001
35119	.01	.001

Certified by

MIN-EN LABORATORIES

APPENDIX C

HOLE NO.	GR90.01	NORTHING	-500	DH COMP. BEAR	090	Depth	Dip	Azimuth	Test	
PROPERTY	GEORGIA RIVER	EASTING	-680	GRID ORIENT.	000	114.0	- 45			
LOCATION	NTS 103O/16W	ELEVATION	1216	DH GRID AZ.	090					
CLAIM NO.	SOVEIRGN 1	SURV. E.		DIP-COLLAR	-45					
TARGET	E-2, E-4	SURV. N.		LENGTH (m)	113.98					
STARTED	AUGUST 23, 19	LOGGED BY	A. BRAY	DRILL CO.	FALCON					
FINISHED	AUGUST 23, 19	CHECKED BY	A. SASSO	DRILL NO.						
SECTION		CORE	BQ TW	FOREMAN						
COMMENTS										

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
SUMMARY								
0.00	3.04	**CASING**						
3.04	17.65	**CRYSTAL TUFF (5C211)**						
17.65	19.50	**ASH TUFF (1C2j1)**						
19.50	21.00	**GRAPHITIC ASH TUFF CONDUCTOR E-3 (1U5j1)**						
21.00	62.90	**ASH TUFF (1C2j1)**						
62.90	90.00	**WEAKLY MINERALIZED CONDUCTOR E-4 (1C215)**						
90.00	113.98	**INTERCALATED ASH AND CRYSTAL TUFF (1A5j1/5A5j1)**						
113.98	113.98	**END OF HOLE**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**3.04**	**CASING**						
3.04	**17.65**	**CRYSTAL TUFF (5C211)**						
		Dark grey aphanitic matrix. 10-12%, 0.01-0.02 cm feldspar crystals. Weak carbonate alteration of the matrix. 5-7% carbonate-quartz veinlets and veins up to 2.8 cm in width. Short, 0.10-0.3 m intercalated black ash tuff horizons comprises 5% of the interval and contains fine black chloritic stringers, generally at 45 to 55 degrees to the C.A. Veining is generally at 45 to 50 degrees to the C.A, but locally folded and variable. 1-2% blebs, scattered fine stringers and disseminations of pyrite and pyrrhotite.						
3.04	5.00	Blocky core.	9796	3.04	4.50	1.46	0.02	1.5
5.15	0.00	0.02 cm carbonate-quartz stringer at 42 degrees to the C.A.						
			9797	4.50	6.00	1.50	0.01	1.4
6.65	7.00	10% iron-carbonate coated fractures averaging 25 degrees to the C.A.						
			9798	6.00	7.50	1.50	0.01	2.0
8.00	8.70	Intercalated ash and crystal tuff horizon. Contacts gradational.						
8.70	9.40	15% quartz veinlets and veins at 45 degrees to subparallel to the C.A., locally folded with the amplitudes up to 1.0 cm. 2% disseminated and stringers of pyrrhotite and 1% disseminated pyrite.	9799	7.50	9.00	1.50	0.03	3.1
9.80	10.00	Rubbly, iron-carbonate rich core.						
10.27	10.29	2.0 cm quartz vein, with chlorite inclusions, at 35 degrees to the C.A.						
			9800	9.00	10.50	1.50	0.25	1.8
			9802	10.50	12.00	1.50	0.04	0.4
12.35	13.00	Iron-carbonate rich fractured surface subparallel to the C.A.						
13.30	14.00	Moderately silicified, blocky core. 2% pyrrhotite and pyrite.	9803	12.00	13.50	1.50	0.10	1.6
14.60	14.83	0.02 cm carbonate-quartz stringer subparallel to the C.A.						
			9804	13.50	15.00	1.50	0.21	1.1
15.85	16.20	Brecciated, silica flooded. 2-3% blebs, disseminations and stringers of pyrrhotite and 1% disseminated pyrite.						
			9805	15.00	16.30	1.30	0.20	1.7
16.75	17.10	3% disseminations and fine stringers of pyrite, 1% disseminated pyrrhotite. Pyrite stringers average 45 degrees to the C.A.						
17.10	17.65	Moderately silicified. 15% quartz veins, up to 3.8 cm in width, at 45 degrees to the C.A. 3% disseminated pyrite and pyrrhotite.	9806	16.30	17.65	1.35	0.01	0.6
		Lower contact marked by a 0.4 cm carbonate-quartz veinlet, at 70 degrees to the C.A., and by a sharp colour change to dark black in the underlying unit.						
17.65	**19.50**	**ASH TUFF (1C2j1)**						
		Dark black, aphanitic. Averages 7% carbonate-quartz and quartz veinlets, veins and irregular shaped clots, up to 2.5 cm in width. Veining material is at irregular angles to the C.A., ranging from 65 degrees to subparallel, and locally with micro-folding. Multiple veining events, commonly with millimetre offsets. Locally brecciated and silica flooded. Fine alternating carbonate-quartz stringers and dark black matrix defines bedding. 1-2% finely disseminated pyrrhotite and pyrite, locally up to 3-5%.						
17.65	18.00	3% disseminations of pyrite along micro-fracture planes.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Au g/ton
18.10	19.00	Blocky core.	9807	17.65	18.58	0.93	[illegible]	[illegible]
		The lower contact is marked by graphite in the underlying unit.						
			9808	18.58	19.50	0.92	0.01	1.3
19.50	**21.00**	**GRAPHITIC ASH TUFF CONDUCTOR E-3 (1U5j1)**						
		Weak to moderately graphitic ash tuff. Ohm-metre readings of up to 100. Target E-3 conductor. 1-2% disseminated pyrite and pyrrhotite.						
		The lower contact is marked by a general abscence of graphite in the underlying unit.						
			9809	19.50	21.00	1.50	1.90	3.4
21.00	**62.90**	**ASH TUFF (1C2j1)**						
		Description as per 17.65 to 19.50 metres.						
21.00	21.30	3% blebs and disseminations of pyrite and pyrrhotite. Trace disseminated sphalerite.						
21.50	23.00	Blocky and rubbly core.	9810	21.00	22.50	1.50	0.60	3.0
23.38	23.39	Carbonate-quartz vein at 40 degrees to the C.A.						
			9811	22.50	24.00	1.50	0.10	2.4
			9812	24.00	25.50	1.50	[illegible]	1.1
26.10	26.50	3% finely disseminated pyrite aligned along bedding planes at 25 degrees to the C.A.						
			9813	25.50	27.00	1.50	[illegible]	3.7
27.00	30.50	3-4% disseminations, irregular shaped blebs of pyrrhotite and pyrite associated with 10-12% carbonate-quartz and quartz veinlets and veins, generally at 20 to 25 degrees to the C.A. Patchy, local brecciation and silica flooding.	9815	27.00	28.50	1.50	0.02	1.1
			9816	28.50	30.00	1.50	0.15	3.6
30.50	35.50	Marked decrease in carbonate-quartz veinlets (to only 2%) at low angles (15 to 25 degrees) to the C.A. Later stage veinlets cross-cut earlier ones at approximately 40 to 45 degrees to the C.A. 1-2% finely disseminated pyrrhotite and pyrite, with rare fine stringers, aligned parallel to the low angle veining	9817	30.00	31.50	1.50	0.01	1.0
			9818	31.50	33.00	1.50	0.01	0.8
			9819	33.00	34.50	1.50	0.01	0.7
35.50	36.25	Weakly brecciated and silica flooded. Subangular ash tuff fragments up to 0.4 cm. 2-3% disseminations and fine irregular stringers of pyrrhotite and pyrite.	9820	34.50	36.00	1.50	0.01	0.7
36.25	37.00	Rubbly core.						
			9821	36.00	37.50	1.50	0.02	0.3
38.30	42.00	Moderately silicified. 15-17% quartz-carbonate veinlets and irregular shaped clots. Veinlets are at varying angles to the C.A., ranging from subparallel to 60 degrees to the C.A., with occasional weak folding (amplitudeds less than 1.0 cm). 3-4% disseminations, blebs and scattered fine stringers of pyrite and pyrrhotite in a 1:1 ratio.	9822	37.50	39.00	1.50	0.09	0.2
			9823	39.00	40.50	1.50	0.02	1.8
			9824	40.50	42.00	1.50	0.01	1.3
			9825	42.00	43.50	1.50	0.09	1.9
44.85	45.45	Brecciated, silica flooded horizon. Milky white quartz contains subangular and irregular shaped ash tuff fragments. Trace disseminations of pyrrhotite and pyrite.	9826	43.50	45.00	1.50	0.04	2.1
45.56	45.73	3% fine anastomosing pyrrhotite stringers and wisps.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
45.95	46.60	1-2% fine pyrrhotite and pyrite wisps subparallel to the C.A.	9825	45.00	46.50	1.50	0.01	2.0
46.65	46.66	Quartz vein at 43 degrees to the C.A.						
46.80	47.50	3% disseminations and fine wisps of pyrite and pyrrhotite.						
			9826	46.50	48.00	1.50	0.03	1.6
48.70	50.30	2% pyrite and pyrrhotite as fine disseminations within fine carbonate-quartz stringers, generally at 45 degrees to the C.A. Locally micro-folded. Cross-cut by later event carbonate-quartz veinlets and veins, up to 2.0 cm in width, at 45 to 55 degrees to the C.A. Weak, patchy graphitic horizons within this interval.	9830	48.00	49.50	1.50	0.04	1.7
			9831	49.50	51.00	1.50	0.03	2.2
			9832	51.00	52.50	1.50	0.04	2.4
			9833	52.50	54.00	1.50	0.04	2.4
54.40	55.00	15% quartz veinlets and veins, up to 1.2 cm in width, subparallel to 30 degrees to the C.A. Multiple stage veining with those that are at a higher angle to the C.A. being the later stage veins.						
			9834	54.00	55.50	1.50	0.07	1.4
			9835	55.50	57.00	1.50	0.06	1.6
			9836	57.00	58.50	1.50	0.10	1.8
59.57	59.70	Two 1.5 cm quartz-carbonate veins at 42 degrees to the C.A.						
		Lower contact is gradational over 0.10 m, marked by an increase in the sulphide content in the underlying unit.						
			9837	58.50	60.00	1.50	0.03	1.2
			9838	60.00	61.50	1.50	0.04	2.0
			9839	61.50	62.90	1.40	0.03	1.2
62.90	**90.00**	**WEAKLY MINERALIZED CONDUCTOR E-4 (1C215)**						
		Ash tuff description as per 21.00 to 62.90 metres. The interval averages roughly 5% disseminations and stringers (in equal percentages) of pyrrhotite and pyrite in an approximate ratio of 1.5:1 of pyrrhotite:pyrite. The sulphides appear to be concentrated along bedding planes, generally at 40 to 45 degrees to the C.A., ranging from 25 to 60 degrees. Locally the percentage of sulphides is up to 7%, and as low as 1-2%. Ohm-metre readings of the sulphide stringers are up to 0. One horizon of intercalated ash and crystal tuff (very gradational contacts) corresponds with the horizon in which the sulphide content is down to 1-2%. Crystals average 2%, some which appear to be replaced or overprinted by disseminated pyrite and/or pyrrhotite.						
62.90	71.00	Averages 5% pyrrhotite and pyrite, and 5-7% carbonate-quartz and quartz veinlets and veins, up to 2.5 cm in width. Short horizons (0.10-0.20 m) in which the sulphide content is up to 7%.	9841	62.90	64.40	1.50	0.04	2.2
			9842	64.40	65.90	1.50	0.02	2.4
			9843	65.90	67.40	1.50	0.02	2.7
			9844	67.40	68.90	1.50	0.01	2.0
			9845	68.90	70.40	1.50	0.05	1.4
71.00	85.00	Intercalated ash and crystal tuff. Contacts are very gradational between the two. Overall, the horizon averages 3% disseminated pyrrhotite and pyrite. Weak, patchy chloritic and sericitic alteration.	9846	70.40	71.90	1.50	0.02	1.8
			9847	71.90	73.40	1.50	0.06	2.0
			9848	73.40	74.90	1.50	0.01	2.2
			9849	74.90	76.40	1.50	0.02	2.0
			9850	76.40	77.90	1.50	0.01	2.1
			9851	77.90	79.40	1.50	0.05	2.2

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
			9852	79.40	80.90	1.50	0.02	0.3
			9854	80.90	82.40	1.50	0.43	6.9
			9855	82.40	83.90	1.50	0.03	0.3
85.00	90.00	As per a2.90 to 71.00 metres. Locally minor folding of the bedding, with fold amplitudes less than 0.5 cm.	9856	83.90	85.40	1.50	0.01	1.8
			9857	85.40	86.90	1.50	0.02	1.8
			9858	86.90	88.40	1.50	0.01	1.5
		The lower contact is gradational over 0.20 m. and is marked by a decrease in the sulphide content.	9859	88.40	90.00	1.60	0.02	1.7
90.00	**113.98**	**INTERCALATED ASH AND CRYSTAL TUFF (1A5j1/5A5j1)**						
		Predominately ash tuff (70%) with intercalated crystal tuff. Crystal tuff horizons average 2-3%, 0.01 cm feldspar crystals. Dark grey to grey green in colour. Patchy, weak sericitic alteration near the upper part of the interval. Weak to moderate chloritic alteration in the lower section of the interval. Locally, short biotite rich sections. Averages 8-10% carbonate-quartz and quartz veinlets, veins and irregular shaped clots. Veining material generally 40 to 50 degrees to the C.A., but locally variable ranging from subparallel to 80 degrees to the C.A. Averages 1-2% disseminated pyrite and pyrrhotite in a 1:1 ratio. Rare millimetre pyrite and/or pyrrhotite stringer. Rare 0.1-0.2 cm euhedral pyrite. Some of the disseminated sulphides appear to be overprinting (replacing?) the feldspar crystals.						
90.56	90.62	Iron-carbonate coated fracture at 25 degrees to the C.A.						
91.00	91.70	Biotite-rich section. Biotite occurs as fine wisps.	9860	90.00	91.50	1.50	0.01	1.2
			9861	91.50	93.00	1.50	0.01	1.3
93.30	93.60	Biotite-rich section. Biotite occurs as fine wisps.						
94.40	94.53	2%, 0.01-0.02 cm euhedral pyrite.	9862	93.00	94.50	1.50	0.01	1.4
			9863	94.50	96.00	1.50	0.02	1.8
			9864	96.00	97.50	1.50	0.04	1.7
98.30	99.00	3% iron-rich carbonate fractures averaging 25 degrees to the C.A.	9865	97.50	99.00	1.50	0.01	2.1
			9867	99.00	100.50	1.50	0.02	1.8
101.00	103.70	7% iron-rich carbonate fractures averaging 30 degrees to the C.A.	9868	100.50	102.00	1.50	0.01	1.7
			9869	102.00	103.50	1.50	0.02	1.8
			9870	103.50	105.00	1.50	0.01	2.1
105.83	105.94	3% disseminated pyrite and pyrrhotite in a 1:1 ratio.						
			9871	105.00	106.50	1.50	0.02	1.9
			9872	106.50	108.00	1.50	0.04	1.2
108.21	108.45	3% disseminated pyrite and pyrrhotite in a 1:1 ratio.						
109.00	113.98	Weak to moderate chloritic alteration.	9873	108.00	109.50	1.50	0.01	1.0
			9874	109.50	111.00	1.50	0.05	1.2
			9875	111.00	111.50	0.50	0.05	1.4
			9876	111.50	113.98	2.48	0.04	1.1
113.98	**113.98**	**END OF HOLE**						

						Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
HOLE NO.	GR90-02	NORTHING	+520 NW	DH COMP. BEAR	033								
PROPERTY	GEORGIA RIVER	EASTING	+450 NE	GRID ORIENT.	303								
LOCATION	MTS 1030/16W	ELEVATION	1277	LH GRID AZ.	270								
CLAIM NO.	BOVEIRON 2	SURV. E.		DIP-COLLAR	-45								
TARGET	E-2, E-3	SURV. N.		LENGTH (m)	98.48								
STARTED	AUGUST 24,199	LOGGED BY	H. BRAY	DRILL CO.	FALCON								
FINISHED	AUGUST 24,199	CHECKED BY	C. BOVAIRD	DRILL NO.	1000								
SECTION		CORE	BQ TW	FOREMAN									
COMMENTS													

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/T	Ag g/T

SUMMARY

0.00	2.13	CASING
2.13	21.83	ASH TUFF (1C211)
21.83	26.15	CRYSTAL TUFF (5C6j1)
26.15	39.80	WEAKLY MINERALIZED-GRAPHITIC CONDUCTOR E-2 (1U515)
39.80	54.45	ASH TUFF (1C211)
54.45	77.00	INTERCALATED CRYSTAL AND ASH TUFF (5A2j1/1A2j1)
77.00	84.00	WEAKLY MINERALIZED CONDUCTOR E-3 (5A214/1A214)
84.00	90.00	CRYSTAL TUFF (5A5j1)
90.00	98.48	FAULT ZONE (F.Z.)
98.48	98.48	END OF HOLE

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_/T	Ag g_/T
0.00	**2.13**	**CASING**						
2.13	**21.83**	**ASH TUFF (1C211)**						
		Dark black aphanitic groundmass. The interval averages 10-12% carbonate-quartz and quartz veinlets and veins and irregular shaped clots. Veining material generally at 45 degrees to the C.A., but locally folded and ranging from subparallel to 65 degrees to the C.A. Veins generally 0.15 m and less in width Multiple veining events: veins commonly exhibit millimetre offsets. 1-2% fine disseminations, wisps and stringers of pyrrhotite and pyrite, in a 1:1 ratio, concentrated on hair-line fracture planes. Up to 3% sulphides over short, 0.10 to 0.20 m horizons. Locally brecciated and flooded by silica. Weak carbonate alteration of the matrix. Short, 0.10 to 0.20 m horizons of iron-carbonate rich matrix (carbonate alteration). Alternating dark blackd dark grey banding, millimetre scale, represents bedding.						
2.13	3.55	Weakly silicified with 10-12% wisps of iron-rich carbonate. Trace, 1.0 millimetre felospar crystals (crystal tuff).						
3.04	3.15	Iron-carbonate rich fractured surface at 23 degrees to the C.A.						
			4977	2.13	3.50	1.37	0.01	1.4
3.92	4.02	3% disseminated pyrite and pyrrohitite combined.						
4.40	6.21	10% wisps and fine stringers of iron-carbonate (siderite)	4978	3.50	5.00	1.50	0.01	1.6
			4980	5.00	6.50	1.50	0.05	1.9
7.38	7.41	Quartz-carbonate vein at 47 degrees to the C.A.						
			4981	6.50	8.00	1.50	0.04	1.6
			4982	8.00	9.50	1.50	0.01	1.7
10.45	10.65	Weakly brecciated with 3% pyrite and pyrrhotite.						
			4983	9.50	11.00	1.50	0.02	1.2
11.59	11.65	Irregular shaped quartz-pryite-pyrrhotite clot.						
11.90	12.35	Weakly brecciated with 3% combined pyrite and pyrrhotite.						
12.40	12.80	15-17% quartz-carbonate veinlets averaging 45 to 50 degrees to the C.A.	4984	11.00	12.50	1.50	0.02	1.9
13.50	14.30	10% quartz-carbonate veinlets at 25 degrees to the C.A.	4985	12.50	14.00	1.50	0.07	1.6
			4986	14.00	15.50	1.50	0.04	1.7
15.93	16.47	Weakly brecciated with 3% combined pyrite and pyrrhotite.						
16.90	17.10	Folding of 10% fine quartz-carbonate stringers from 45 degrees to subparallel to the C.A.	4987	15.50	17.00	1.50	0.02	2.1
		The lower contact is sharp at 64 degrees to the C.A.						
			4988	17.00	18.50	1.50	0.04	1.6
			4989	18.50	20.00	1.50	0.02	1.3
			4990	20.00	20.90	0.90	0.02	1.9
			4991	20.90	21.80	0.90	0.01	1.7
21.83	**26.15**	**CRYSTAL TUFF (5C6j1)**						
		Light greyish-brown aphanitic matrix with 2-3%, 1.0-2.0 mm subrounded to elongate off white feldspar crystals attenuated along a weak shear at 45 degrees to the C.A. Moderate iron-carbonate rich alteration of the matrix, and as fine stringers parallel to the weak shear. 3-4% quartz-carbonate, quartz stringers and veinlets, up to 1.0 cm in width, parallel to the weak shear. 1-2% disseminated pyrite and pyrrhotite in a 1:1 ratio.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
21.83	22.10	Weak brecciation with subangular and irregular shaped host-rock floating in a quartz matrix. The lower contact is obscured by broken core.						
			9893	21.80	23.30	1.50	0.02	2.0
			9894	23.30	24.80	1.50	0.03	2.0
			9895	24.80	26.15	1.35	0.04	1.9
26.15	**39.80**	**WEAKLY MINERALIZED-GRAPHITIC CONDUCTOR E-2 (1U515)** Ash tuff description as per 2.13 to 21.83 metres. The interval averages around 5% fine disseminations and stringers of pyrite and pyrrhotite in a 1:1 ratio. The sulphides, in general, are concentrated along bedding planes at 45 to 50 degrees to the C.A. Sulphides are also concentrated along micro-fracture planes. Very patchy, weak graphite horizons throughout the interval. The conductor is a combination of both graphite and sulphides. The sulphide content is locally up to 7% over very short horizons, generally less than 0.20 metres. 5-10% quartz-carbonate, quartz stringers and veinlets, less than 1.0 cm in width, at 40 to 45 degrees to the C.A. One short intercalated crystal tuff horizon, description as per 21.83 to 26.15 metres.						
27.35	27.49	Iron-carbonate rich fractured surface at 20 degrees to the C.A.	9896	26.15	27.65	1.50	0.05	1.8
29.10	0.00	0.3 cm pyrite-pyrrhotite at 51 degrees to the C.A.	9897	27.65	29.15	1.50	0.01	2.0
29.97	30.28	Iron-carbonate rich fractured surface subparallel to 15 degrees to the C.A.	9898	29.15	30.65	1.50	0.04	1.8
30.72	31.30	Crystal tuff horizon, description as per 21.83 to 26.15 metres. Upper and lower contacts gradational.						
31.65	31.75	7% combined pyrite and pyrrhotite.	9899	30.65	32.15	1.50	0.01	0.8
			9900	32.15	33.65	1.50	0.04	2.0
33.94	0.00	0.3 cm pyrite-pyrrhotite stringer at 71 degrees to the C.A.						
34.95	35.30	15%, 0.3 to 0.5 cm quartz veinlets stockwork horizon. Multiple quartz veining events, quartz veinlets cross-cutting one another at all angles to the C.A.	9901	33.65	35.15	1.50	0.02	1.9
			9902	35.15	36.65	1.50	0.02	2.0
37.05	37.20	7% combined pyrite and pyrrhotite.	9903	36.65	38.15	1.50	0.03	1.8
38.60	38.80	Blocky core.						
39.40	39.60	7% combined pyrite and pyrrhotite. The lower contact is gradational, marked by an decrease in the sulphide content						
			9904	38.15	39.80	1.65	0.01	1.9
39.80	**54.45**	**ASH TUFF (1C211)** Description as per 2.13 to 21.83 metres.						
40.16	40.19	3% wisps and disseminations of pyrite and pyrrhotite.	9906	39.80	41.30	1.50	0.02	1.5
41.90	40.91	Quartz-carbonate vein at 45 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
41.37	41.70	Fractured, blocky core. Fractures are iron-carbonate rich, at low angles to the C.A. (15 degrees).						
42.00	43.20	Weakly silicified and bleached.	9907	41.30	42.80	1.50	0.01	1.2
44.20	44.35	3% wisps and disseminations of pyrite and pyrrhotite.	9908	42.80	44.30	1.50	0.01	1.6
			9909	44.30	45.80	1.50	0.03	1.3
			9910	45.80	47.30	1.50	0.01	1.0
			9911	47.30	48.80	1.50	0.02	1.3
49.00	50.00	3% wisps and disseminations of pyrite and pyrrhotite. Bedding weakly folded, subparallel to the C.A.						
			9912	48.80	50.30	1.50	0.01	1.1
50.60	50.65	3% disseminations and wisps of pyrite and pyrrhotite.						
51.53	51.58	5% wisps and irregular shaped clots of pyrrhotite.						
			9913	50.30	51.80	1.50	0.01	0.9
52.50	53.10	Bedding moderately folded. Ranges from 45 degrees to subparallel to 45 to 50 degrees within the interval.						
		The lower contact is gradational.						
			9914	51.80	53.30	1.50	0.01	3.1
			9915	53.30	54.45	1.15	0.02	1.3
54.45	**77.00**	**INTERCALATED CRYSTAL AND ASH TUFF (5A2j1/1A2j1)**						
		Intercalated dark black ash tuff and lighter grey to grey-brown and grey-green crystal tuff, each comprising approximately 50% of the interval. Contacts between the two units are very gradational. Approximately 2-3% off white, 0.1 cm feldspar crystals in the crystal tuff. 3-5% quartz-carbonate and quartz veins up to 7.5 cm in width. Overall weak carbonate alteration of the matrix. Locally weakly chloritic and/or silicified. 1-2% finely disseminated pyrite and pyrrhotite in a 1:1 ratio., commonly concentrated on bedding and micro-fracture planes.						
54.45	54.65	Patchy, weak chloritic alteration.						
			9916	54.45	55.95	1.50	0.01	1.6
57.05	57.14	Iron-carbonate rich fractured surface at 25 degrees to the C.A.						
			9917	55.95	57.45	1.50	0.01	1.1
57.64	58.47	Iron-carbonate rich fractured surface parallel to the C.A.						
58.80	59.56	Iron-carbonate rich fractured surface parallel to the C.A.	9919	57.45	58.95	1.50	0.02	1.4
			9920	58.95	60.45	1.50	0.02	1.2
			9921	60.45	61.95	1.50	0.01	1.3
62.85	62.92	Milky white quartz vein with upper and lower contacts at 84 and 75 degrees to the C.A., respectively.						
63.00	64.50	Moderate carbonate alteration of the matrix.	9922	61.95	63.45	1.50	0.01	2.2
			9923	63.45	64.95	1.50	0.02	2.8
65.50	65.60	Iron-carbonate rich fractured surface at 25 degrees to the C.A.						
			9924	64.95	66.45	1.50	0.01	1.3
67.76	67.84	Milky white quartz-carbonate vein with upper and lower contacts at 85 and 70 degrees to the C.A., respectively.						
			9925	66.45	67.95	1.50	0.01	0.7
69.00	73.00	Weak, patchy chloritic alteration.	9926	67.95	69.45	1.50	0.01	1.1
			9927	69.45	70.95	1.50	0.01	1.3
			9928	70.95	72.45	1.50	0.01	1.2
			9929	72.45	73.95	1.50	0.02	2.5

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
73.96	74.06	Quartz-carbonate vein with upper and lower contacts at 65 and 55 degrees to the C.A., respectively.						
		The lower contact is marked by an increase in the sulphide content in the underlying unit.						
			9930	73.95	75.45	1.50	0.06	2.4
			9932	75.45	77.00	1.55	0.02	1.3
77.00	**84.00**	**WEAKLY MINERALIZED CONDUCTOR E-3 (5A214/1A214)**						
		Intercalated ash and crystal tuff as per 34.45 to 77.00 metres. Weakly chloritic throughout (dark grey-green in colour). 4-5% pyrite and pyrrhotite as disseminations and stringers, in a 2:1 ratio of pyrrhotite:pyrite. Stringers generally at 45 to 50 degrees to the C.A. Locally up to 7% pyrrhotite and pyrite over short horizons. 2-3% quartz-carbonate and quartz veinlets throughout.						
77.04	77.10	Milky white quartz vein, with 0.1-0.2 cm chloritic inclusions, with upper and lower contacts at 70 and 55 degrees to the C.A., respectively.						
			9933	77.00	78.50	1.50	0.01	2.1
79.00	79.20	7% combined pyrite and pyrrhotite.						
			9934	78.50	80.00	1.50	0.01	1.8
80.68	80.73	7% combined pyrite and pyrrhotite.						
81.35	81.50	7% combined pyrite and pyrrhotite.	9935	80.00	81.50	1.50	0.01	2.1
82.43	82.49	Milky white quartz vein with upper and lower contacts at 50 and 70 degrees to the C.A., respectively.						
		The lower contact is gradational, marked by a decrease in the sulphide content in the underlying unit.						
			9936	81.50	83.00	1.50	0.01	2.4
			9937	83.00	84.00	1.00	0.02	1.9
84.00	**90.00**	**CRYSTAL TUFF (5A5j1)**						
		Dark grey-green in colour. 2-3% off white, 0.10 cm feldspar crystals. Moderately chloritic throughout. Crystals appear to lie on bedding planes at approximately 45 to 50 degrees to the C.A. 2-3% quartz-carbonate and quartz stringers and veinlets throughout. 1% finely disseminated pyrite and pyrrhotite concentrated along micro-fractures at all angles to the C.A.						
			9938	84.00	85.50	1.50	0.01	2.0
86.55	86.79	Iron-carbonate rich fractured surface parallel to the C.A.						
			9939	85.50	87.00	1.50	0.01	1.9
87.00	90.00	Blocky, fractured core. Fractured surfaces weakly iron-carbonate rich, generally at low angles (15 to 25 degrees) to the C.A.	9940	87.00	88.50	1.50	0.01	0.8
			9941	88.50	90.00	1.50	0.02	2.3
		The lower contact is somewhat arbitrary. It is marked by a gradational increase in fracturing and in the intensity of iron-carbonate rich and limonite fractured surfaces.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
90.00	**98.48**	**FAULT ZONE (F.Z.)**						
		Very rubbly, iron-carbonate and limonitic core (fault zone). Trace fine pyrite disseminations. Fractures are generally at 15 to 25 degrees to the C.A.						
90.00	93.00	Moderately iron-rich and limonitic blocky core.	9942	90.00	91.50	1.50	0.01	1.2
			9943	91.50	93.00	1.50	0.04	1.9
93.00	98.48	Very rubbly and strongly limonitic and iron-carbonate rich altered core.	9945	93.00	94.50	1.50	0.01	2.2
			9946	94.50	96.00	1.50	0.02	2.6
			9947	96.00	97.50	1.50	0.01	4.6
			9948	97.50	98.48	0.98	0.01	3.2
98.48	**98.48**	**END OF HOLE**						

HOLE NO.	GR90.03	NORTHING	-1100	DH COMP. BEAR	090	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
PERTY	GEORGIA RIVER	EASTING	-560	GRID ORIENT.	000	76.9	- 58						
LOCATION	NTS 103O/16W	ELEVATION	1003	DH GRID AZ.	090								
CLAIM NO.	SOVEIRGN	SURV. E.		DIP-COLLAR	-60								
TARGET	E-2	SURV. N.		LENGTH (m)	86.93								
STARTED	AUGUST 25, 19	LOGGED BY	A.SASSO	DRILL CO.	FALCON								
FINISHED	AUGUST 25, 19	CHECKED BY	C. BOVAIRD	DRILL NO.	1000								
SECTION		CORE	BQ TW	FOREMAN									
COMMENTS													

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
SUMMARY								
0.00	3.05	CASING						
3.05	18.82	CRYSTAL TUFF (5A5j1)						
18.82	30.79	GRAPHITIC ASH TUFF E-2 CONDUCTOR (1U7j2)						
30.79	86.93	INTERCALATED ASH AND CRYSTAL TUFF (1A5j1/5A5j1)						
86.93	86.93	END OF HOLE						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**3.05**	**CASING**						
3.05	**18.82**	**CRYSTAL TUFF (5A5j1)**						
		Dark grey aphanitic matrix. Weak to moderately chloritic throughout. 4% quartz-carbonate veinlets and veins throughout, generally parallel to bedding at 55 degrees to the C.A. Locally weakly silicified and epidote altered. 1-2% finely disseminated pyrite and pyrrhotite in a 2:1 ratio of pyrite:pyrrhotite.						
3.05	12.08	3% quartz-carbonate veinlets and veins parllel to bedding at 55 degrees to the C.A., locally subparallel to the C.A. Scattered iron-oxide coated fractures at 35 degrees to the C.A. Trace pyrite as fine disseminations, blebs and rare euhedral cubes. Minor epidote alteration at 10.00 m trending at 35 degrees to the C.A.	9949	3.05	4.50	1.45	0.04	0.3
			9950	4.50	6.00	1.50	0.01	0.2
			9951	6.00	7.50	1.50	0.01	0.7
			9952	7.50	9.00	1.50	0.01	0.8
			9953	9.00	10.50	1.50	0.01	1.3
			9954	10.50	12.08	1.58	0.01	1.0
12.08	13.79	Moderate epidote alteration, locally constituting up to 7% of the matrix. Moderate silicification from quartz flooding of the groundmass and veining. Veins are at 55 degrees to the C.A. Trace fine disseminations of pyrite in the quartz veins and scattered small stringers.	9955	12.08	13.50	1.42	0.10	1.7
13.79	18.82	Zones of strong chloritic alteration. 1% quartz veinlets and veins. 1-2% pyrite and pyrrhotite as fine disseminations, blebs and scattered stringers. Occasional iron-oxide coated fractures subparallel to the C.A.	9956	13.50	15.00	1.50	0.01	0.9
			9958	15.00	16.50	1.50	0.02	1.1
			9959	16.50	18.00	1.50	0.01	0.9
			9960	18.00	18.82	0.82	0.01	0.3
		The lower contact is gradational over 0.15 m and is marked by a colour change to dark black and by the prescence of graphite in the underlying unit.						
18.82	**30.79**	**GRAPHITIC ASH TUFF E-2 CONDUCTOR (1U7j2)**						
		Dark black aphanitic matrix. Strongly graphitic with the graphite concentrated along bedding planes, locally strongly folded/crenulated with cm scale amplitudes. 5% quartz-carbonate veinlets and veins, locally up to 15%. 2% pyrite and pyrrhotite in a 1:1 ratio, locally up to 5% over short horizons, less than 0.10 m. Sulphides occur as fine disseminations, blebs and along fine hair-line fractures.						
18.82	24.50	Moderately graphitic. Up to 20% quartz-carbonate veinlets and veins, strongly folded. 2-3% pyrite and pyrrhotite as fine disseminations, blebs and scattered stringers.	9961	18.82	20.00	1.18	0.01	1.3
			9962	20.00	21.50	1.50	0.15	1.1
			9963	21.50	23.00	1.50	0.79	2.6
			9964	23.00	24.50	1.50	0.80	1.3
24.50	30.79	Strongly graphitic, locally with zones of massive graphite. 2% quartz-carbonate veinlets and veins. 2-3% pyrite and pyrrhotite in a 1:1.5 ratio of pyrite to pyrrhotite. Sulphides concentrated along bedding planes as stringers at 50 degrees to the C.A., and as fine disseminations. Weakly folded with millimetre scale amplitudes. Occasional short horizons of blocky and rubbly core, with rubbly core containing up to 5% pyrite and pyrrhotite disseminations.	9965	24.50	26.00	1.50	0.02	2.4
			9966	26.00	27.50	1.50	0.01	1.5
			9967	27.50	29.00	1.50	0.02	1.7
			35085	29.00	29.93	0.93	0.01	1.0
			35086	29.93	30.79	0.86	0.02	2.7
		The lower contact is sharp, at 50 degrees to the C.A., marked by an abscence of graphite in the underlying unit.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
30.79	86.93	**INTERCALATED ASH AND CRYSTAL TUFF (1A5j1/5A5j1)**						
		Light grey-brown to greyish green alternating with dark grey to black horizons. 1-2% fine, less than 0.1 cm, off white feldspar crystals commonly attenuated parallel to the bedding. Crystals commonly obscured by the alteration. Interval composed of approximately 85% crystal tuff and 15% ash tuff. Patchy, moderate zones of silicification, sericitization and chloritization. 5% quartz -carbonate vienlets and veins generally at 55 degrees to the C.A., occasionally cross-cut by later event veinlets and stringers (0.5 cm and less in width). 1-2% pyrite and pyrrhotite in a 1:1 ratio. Sulphides occurs as fine disseminations, blebs and occasional stringers and veinlets.						
30.79	33.19	Weak to moderately silicified. Greyish-brown in colour. 2% carbonate and quartz-carbonate veinlets and veins, generally at 45% to the C.A., ranging from 30 to 90 degrees to the C.A. 3% disseminated pyrite, scattered euhedral cubes, aligned on a planar fabric at 45 degrees to the C.A.	35087	30.79	32.00	1.21	0.02	2.6
33.19	34.33	Weak, patchy chloritic alteration. 2% quartz-carbonate veinlets and veins, averaging 50 degrees to the C.A. 2-3% disseminations, blebs and scattered stringers of pyrite and pyrrhotite aligned parallel to bedding at 50 degrees to the C.A.	35088	32.00	33.50	1.50	0.02	2.4
34.33	38.74	Greyish-brown bleached colour. Moderately silicified, with patchy weak chloritic alteration. Weakly sheared and folded. Fold amplitudes are on a millimetre scale. 2-3% quartz-carbonate veinlets and veins averaging 50 degrees to the C.A.	35089	33.50	35.00	1.50	0.01	1.7
			9974	35.00	36.50	1.50	0.02	2.1
			9975	36.50	38.00	1.50	0.01	1.9
38.74	60.10	Patchy weak to moderate chloritic alteration, with scattered short horizons of weak epidote alteration (weakly propylitic). 8% quartz-carbonate veinlets and veins, up to 4.0 cm in width, averaging 45 degrees to the C.A., ranging from 20 to 70 degrees to the C.A. The interval averages less than 1% finely disseminated pyrite and pyrrhotite, with occasional scattered euhedral pyrite cubes.	9976	38.00	39.50	1.50	0.03	1.8
			9977	39.50	41.00	1.50	0.25	1.6
			9978	41.00	42.50	1.50	0.01	1.8
			9979	42.50	44.00	1.50	0.01	1.7
			9980	44.00	45.50	1.50	0.02	1.7
			9981	45.50	47.00	1.50	0.02	2.0
			9982	47.00	48.50	1.50	0.03	1.6
			9984	48.50	50.00	1.50	0.04	2.0
			9985	50.00	51.50	1.50	0.01	1.7
			9986	51.50	53.00	1.50	0.02	1.9
			9987	53.00	54.50	1.50	0.01	1.5
			9988	54.50	56.00	1.50	0.01	1.8
			9989	56.00	57.50	1.50	0.03	1.4
			9990	57.50	59.00	1.50	0.02	2.3
60.10	61.00	Weakly chloritic, over-printed by moderate silicification (bleached greyish-green colour). 1% quartz veinlets and veins averaging 35 degrees to the C.A. Trace disseminated pyrite and pyrrhotite.	9991	59.00	60.50	1.50	0.01	1.9
61.00	63.19	Strong sericitic alteration. Interval includes one 3.0 cm wide milky white barren quartz vein at 25 degrees to the C.A. 2-3% carbonate-quartz veinlets and veins, generally at 40 to 45 degrees to the C.A., locally subparallel to the C.A. Commonly cross-cut by later event quartz-carbonate veinlets. 1-2% pyrite and pyrrhotite as fine disseminations and blebs.	9992	60.50	62.00	1.50	0.01	1.9
			9993	62.00	63.50	1.50	0.01	1.2
65.75	65.78	Barren quartz vein with upper and lower contacts at 90 and 75 degrees to the C.A., respectively.	9994	63.50	65.00	1.50	0.01	1.4

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			9995	65.00	66.50	1.50	0.01	0.4
67.30	67.75	Milky white quartz vein with trace disseminations of pyrite and pyrrhotite. Upper and lower contacts are at 30 and 45 degrees to the C.A., respectively.						
67.75	73.18	3% carbonate-quartz veinlets and veins generally at 50 degrees to the C.A., ranging from subparallel to 70 degrees to the C.A. 1% disseminations and blebs of pyrite and pyrrhotite concentrated along bedding planes at 50 degrees to the C.A.	9997	66.50	68.00	1.50	0.01	1.3
			9998	68.00	69.50	1.50	0.02	1.2
			9999	69.50	71.00	1.50	0.02	1.6
			10000	71.00	72.50	1.50	0.02	1.5
73.65	74.00	Milky white barren quartz vein with trace to 1% wisps of dark green chlorite. The upper and lower contacts are at 60 and 40 degrees to the C.A., respectively	10001	72.50	74.00	1.50	0.01	2.0
			10002	74.00	75.50	1.50	0.08	2.2
75.70	76.00	1-2% fine disseminations and euhedral cubes of pyrite.						
			10003	75.50	77.00	1.50	0.01	2.5
			10004	77.00	78.50	1.50	0.01	2.2
			10005	78.50	80.00	1.50	0.01	2.3
80.06	0.00	0.1 cm quartz-filled micro-fracture at 65 degrees to the C.A. Contains finely disseminate pyrite and pyrrhotite. The fracture dextrally offsets a 0.5 cm quartz veinlet by 1.5 cm.						
81.19	0.00	0.4 cm wispy anastomosing pyrrhotite stringer at 80 degrees to the C.A.						
			10006	80.00	81.50	1.50	0.01	1.6
82.70	83.20	Weakly fractured with 2% quartz-carbonate stringers and veinlets averaging 75 degrees to the C.A. 1% finely disseminated pyrite and pyrrhotite.	10007	81.50	83.00	1.50	0.01	1.9
83.30	83.73	Weak carbonate-coated fracture subparallel to the C.A.						
84.43	84.46	Milky white quartz vein with trace finely disseminated pyrite and pyrrhotite. The upper and lower contacts are at approximately 50 and 40 degrees to the C.A. respectively.						
			10008	83.00	84.50	1.50	0.02	1.8
			10010	84.50	86.00	1.50	0.05	1.8
86.14	86.93	Blocky core.	10011	86.00	86.93	0.93	0.04	1.7
86.93	86.93	END OF HOLE						

BOND GOLD CANADA INC. DIAMOND DRILL HOLE REPORT

						Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
HOLE NO.	GF90.04	NORTHING	-900	DH COMP. BEAR	090								
PROPERTY	GEORGIA RIVER	EASTING	-150	GRID ORIENT.	000	86.9	-	52					
LOCATION	NTS 103D/16W	ELEVATION	1064	CH GRID AZ.	090								
CLAIM NO.	GEORGIA # 2	SURV. E.		DIP-COLLAR	-50								
TARGET	E-7	SURV. N.		LENGTH (m)	86.93								
STARTED	AUGUST 26, 19	LOGGED BY	A.BASSO	DRILL CO.	FALCON								
FINISHED	AUGUST 26, 19	CHECKED BY	C. SOWARD	DRILL NO.	1000								
SECTION		CORE	BQ TW	FOREMAN									
COMMENTS													

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton

SUMMARY

0.00	**4.56**	**CASING**
4.56	**86.93**	**MAFIC VOLCANIC FLOW (6A6j1)**
86.93	**86.93**	**END OF HOLE**

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**4.56**	**CASING**						
4.56	**86.93**	**MAFIC VOLCANIC FLOW (6A6j1)**						
		Dark grey-green in colour. Aphanitic matrix with 8-10%, chloritized hornblende phenocrysts, 0.1-0.4 cm subrounded to locally elongate. Phenocrysts are locally attenuated parallel to a weak planar fabric, averaging 45 to 50 degrees to the C.A. Moderate to strong chloritic alteration, with localized short horizons of weak to moderate epidote alteration. Approximately 1% quartz-carbonate veinlets and stringers averaging 45 degrees to the C.A. Trace disseminated pyrite and pyrrhotite.						
4.56	6.80	Ground core with 1.30 metres of core loss.						
6.80	8.00	Patchy, moderate epidote alteration comprising 3-5% of the interval.						
8.58	8.62	Very weak shearing at 25 degrees to the C.A.?						
10.50	10.58	Carbonate-coated fracture at 25 degrees to the C.A.						
11.91	12.25	10% carbonate stringers and veinlets. Weakly brecciated with irregular, subangular fragments in a quartz-carbonate matrix.						
13.04	13.30	Blocky and muddy carbonate-rich core.						
17.80	17.90	Three carbonate-quartz veinlets/veins, up to 2.0 cm in width, at 50 degrees to the C.A.						
			10012	16.85	18.25	1.40	0.01	1.5
19.30	21.00	Chloritized hornblende phenocrysts attenuated parallel to a weak shear at 45 degrees to the C.A. Very weak, patchy epidote alteration.						
21.50	0.00	Pinkish talcose slip at 30 degrees to the C.A.						
22.27	22.34	0.1 cm quartz stringer, parallel to the C.A., containing finely disseminated pyrite and pyrrhotite.						
26.13	0.00	1% disseminated euhedral pyrite along a chlorite-rich fractured surface at 70 degrees to the C.A.						
26.26	26.28	1.0 cm quartz vein at 30 degrees to the C.A.						
			10013	25.23	26.58	1.35	0.01	1.5
28.00	30.00	Planar fabric along which chloritized hornblende phenocrysts are attenuated at 40 degrees to the C.A.						
30.60	30.72	3% carbonate-coated, weak fractures, at all angles to the C.A., with 2-3% disseminations and blebs of pyrite and pyrrhotite.						
			10014	29.50	31.00	1.50	0.01	2.0
33.40	34.00	Very weak, patchy epidote alteration.						
34.80	35.06	1% fine carbonate stringers, 0.10 cm wide, at 20 degrees to the C.A., with trace disseminated pyrite.						
36.43	36.49	Vuggy, rubbly carbonate vein with 3-5% vugs. Upper contact obscured, lower contact at 65 degrees to the C.A.						
40.37	40.51	Patchy, strong epidote alteration comprises 30% of the interval						
44.90	44.92	0.50 cm quartz vein at 35 degrees to the C.A.						
			10015	43.50	45.00	1.50	0.02	1.7
45.91	54.18	Patchy, weak to moderate epidote alteration, locally comprising up to 25% over horizons of 0.15 m and less. 8-10% chloritized hornblende phenocrysts. 1% carbonate-quartz stringers and veinlets ranging from 25 to 65 degrees to the C.A. Stringers and veinlets may contain and be bordered by reddish-brown carbonate. Trace finely disseminated pyrite and pyrrhotite.						
56.43	56.76	3% reddish-brown carbonate-coated fractured surfaces at 40 to 60 degrees to the C.A.	10016	55.10	56.60	1.50	0.01	1.6
57.00	58.00	2% brownish carbonate coated fractures at 50 to 70 degress to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
58.15	58.18	Vuggy carbonate vein. 30% of the vein is composed of vugs. Reddish-brown carbonate-coated fracture. at the upper contact with the matic flow. at 55 degrees to the C.A.						
59.24	61.50	Blocky, moderately chloritic altered core.						
63.00	66.00	Patchy, weak epidote alteration.	10017	62.00	63.50	1.50	0.01	1.4
66.03	66.07	Two cross-cutting vuggy carbonate veinlets, both at aproximately 45 degrees to the C.A.						
66.30	76.00	Weak, patchy epidote alteration. Two parallel quartz-carbonate veins. 1.0 and 1.5 cm in width. containing brownish-red carbonate inclusions. at 25 degrees to the C.A. from 70.53 to 70.80 metres. Chloritized hornblende phenocrysts aligned along a planar fabric at 40 degrees to the C.A.	10018	73.00	74.50	1.50	0.01	1.4
76.00	76.25	Muddy, strongly carbonate rich core.						
78.50	79.40	7% cross-cutting carbonate-quartz stringers. less than 0.1 cm in width. sub-parallel to 70 degrees to the C.A.						
81.00	83.00	3% fine epidote stringers. less than 0.1 cm in width. as micro-fracture in-filling, ranging from subparallel to 45 degrees to the C.A.	10019	80.85	82.35	1.50	0.01	1.4
83.00	86.93	3% weakly reddish-brown carbonate coated fractures subparallel to the C.A.						
86.93	**86.93**	**END OF HOLE**						

BOND GOLD CANADA INC. DIAMOND DRILL HOLE REPORT

						Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
HOLE NO.	GR90-05	NORTHING	+020	DH COMP. BEAR	270								
PROPERTY	GEORGIA RIVER	EASTING	-500	GRID ORIENT.	000								
LOCATION	NTS 103D/16W	ELEVATION	1076	DH GRID AZ.	270								
CLAIM NO.	SOVEREIGN # 2	SURV. E.		DIP-COLLAR	-50								
TARGET	I-5	SURV. N.		LENGTH (m)	116.41								
STARTED	AUGUST 26 199	LOGGED BY	C. BOVAIRD	DRILL CO.	FALCON								
FINISHED	AUGUST 27, 19	CHECKED BY	A. BRAY	DRILL NO.	1000								
SECTION		CORE	BQ TW	FOREMAN									
COMMENTS	HOLE CAVED												

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	AU g_ton	HG g_ton

SUMMARY

0.00	3.34	CASING
3.34	21.40	MAFIC VOLCANIC FLOW (6C7a1)
21.40	21.90	QUARTZ VEIN (19a1)
21.90	94.00	MAFIC VOLCANIC FLOW (6C7a1)
94.00	97.12	MINERALIZED QUARTZ VEIN:IP ANOMOLY I-5 (19s6)
97.12	101.70	MINERALIZED ZONE:IP ANOMOLY I-5 (666s7)
101.70	116.41	MAFIC VOLCANIC FLOW (6C7a1)
116.41	116.41	END OF HOLE

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
0.00	**3.34**	**CASING**						
3.34	**21.40**	**MAFIC VOLCANIC FLOW (6C7a1)** Medium dark grey, aphanitic matrix. Weak shear foliation parallel to the C.A., defined by carbonate and lesser feldspar crystals. 5% feldspar crystals, predominately 0.10-0.20 cm but up to 2.0 cm, with weak epidote alteration haloes. Strong carbonate alteration of the matrix, occasionally as rounded to elongate amygdules, occasionally brecciated. Carbonate comprises 15% of the core. Weakly chloritic throughout. Less than 5% late phase quartz-carbonate and quartz veinlets and veins, up to 1.0 cm in width, out of which 90% of which are less than or equal to 0.10 cm in width. The veins and veinlets are barren of sulphides. Matrix contains less than 1% finely disseminated pyrite. No indication of hexagonal pyrrhotite (not magnetic). Pyrite occurs as euhedral cubes.						
3.34	8.51	Blocky core, rounded due to grinding. Increase in carbonate alteration with increasing depth from less than 1% to 5%. 2.42 metres of core loss.						
8.51	9.00	Blocky core. Brecciated mafic flow with carbonate alteration content up to 30% (brecciated amygdules). Siderite infill of fractures, subparallel to the C.A. Siderite ribbons are weathered in hollows, 0.10-0.20 cm in depth, 0.10 cm width.						
9.00	10.80	Feldspar content 15%, occurring as less than 0.10 cm crystals/fragments? in the matrix. Carbonate content approximately 40%, 5% as less than 0.40 cm width veinlets subparallel to the C.A., ranging from 2.0 to 20.0 cm in length, with the remaining 35% as brecciated amygdules less than 0.10 cm to 1.0 cm. Two barren quartz veins, at 70 degrees to the C.A., each 0.5 cm in width, cross-cut the foliation at 9.47 and 10.44 metres, respectively. Carbonaceous, irregular shaped brecciated fragments, fine grained (less than 0.1 cm) from 9.74 to 9.87 metres.						
10.80	11.00	Blocky, rubbly and earthy core.						
11.00	21.40	Description as per 9.00 to 10.80 metres. Approximately 20 barren 0.1 cm quartz veinlets, spaced at 5.0 cm intervals, and three 1.0 cm quartz veins within the interval. The veinlets and veins range from 75 to 90 degrees to the C.A. Crenulations and dragging of the matrix occur at the veinlet and vein boundaries 5% quartz crystals, some with hexagonal morphology, less than 0.30 mm in size. Introduction of calcite crack infilling with associated pressure shadows. The lower contact is subparallel to the C.A.	10020 10021	11.00 20.00	11.50 21.20	1.50 1.20	0.01 0.01	 3.2
21.40	**21.90**	**QUARTZ VEIN (19a1)** Predominately quartz with approximately 20% carbonate. Brecciated with 10% mafic inclusions and 5% vugs. The vein runs subparallel to parallel to the C.A. Trace to 1% disseminated pyrite.	10023 10024	21.20 21.43	21.43 21.90	0.23 0.47	0.01 0.30	3.1 114.0
21.90	**94.00**	**MAFIC VOLCANIC FLOW (6C7a1)** Description as per 3.34 to 21.40 metres. A very homogeneous unit.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
21.80	22.80	Blocky, ground core. No apparent core loss.	10025	21.80	22.45	0.65	1.17	127.0
			10026	22.45	22.60	0.15	4.92	96.0
22.80	32.32	Description as per 9.00 to 10.80 metres, with the addition of quartz augens as described in 11.00 to 21.40 metres. Less than 2%, 0.10 cm wide carbonate stringers cross cut the foliation at 65 degrees to the C.A. While quartz veinlets involve deformation (crenulations and drags, with amplitudes not exceeding 0.4 cm), the carbonate veinlets have no associated offset or deformation and may indicate pressure solution origin.	10027	22.60	24.00	1.40	0.01	0.4
32.32	33.84	3% disseminated pyrite occurs as euhedral cubes, less than 0.01 cm to 0.10 cm in width, in occasional stringers parallel to shear but more commonly as sulphide replacement of distinct carbonate metacrysts.	10028	32.32	33.84	1.52	0.01	3.2
34.93	35.00	Blocky core with carbonate veinlets, 0.30 to 0.40 cm, occurring at 25 degrees to the C.A. Carbonate veinlets contain 2-3% vugs. Core fractures are sub-parallel to the C.A.						
36.35	36.60	Blocky core, with rounded edges due to grinding. No apparent core loss.						
37.28	39.00	Blocky core. Fractures are predominately parallel to the C.A.						
39.84	39.92	50% carbonate wisps, stringers and amygdules of no specific orientation.						
40.81	0.00	Fracture along a 0.2 cm carbonate veinlet at 47 degrees to the C.A.						
40.83	44.93	3% quartz crystals, less than 0.30 cm in width, with carbonate pressure shadows and as fracture in-fill. 1% calcite as distinct 0.40 cm wide irregular shaped occurrences attenuated parallel to a weak shear parallel to the C.A.	10029	40.83	42.33	1.50	0.01	2.4
45.00	48.63	40% carbonate occurs as elongate, brecciated metacrysts ranging in size from less than 0.01 cm to 2.0 cm along their long axes parallel to the C.A. The carbonate metacrysts are hosted by a mafic, fine grained matrix which is devoid of carbonate content. Carbonate stringers, less than 0.2 cm in width, average 15.0 cm in length and run parallel to shearing and cross-cut the foliation at 50 degrees to the C.A. Fractures are parallel to the shear.						
48.63	49.08	Description as per 9.00 to 10.80 metres. 2% pyrite occurs as fine euhedral crystals and disseminations, less than 0.01 cm in width.	10030	48.63	49.08	0.45	0.01	2.8
49.30	50.46	Fractured core, parallel to a shear and the C.A., along a continuous calcite veinlet (0.20 cm). Diffuse concentrations of calcite veinlets seperate parallel regions of differing in the intensity of shearing. These regions are parallel to the shear. Intensely sheared regions contain 15% carbonate, while less intense shearing displays distinct amygdules, 0.20-0.30 cm in length.						
52.00	53.50	Description as per 45.00 to 48.63 metres.						
53.69	0.00	Epidote alteration of 0.10 cm wide carbonate veinlet, at 45 degrees to the C.A. The alteration extends in the mafic flow 0.10 to 0.20 cm on either side of the veinlet. Alteration is not continuous along the veinlet.						
53.72	0.00	Epidote alteration of a 0.10 cm carbonate veinlet at 45 degrees to the C.A. The alteration extends in the mafic flow 0.10 to 0.20 cm on either side of the veinlet. The alteration is not continuous along the veinlet.						
53.80	0.00	0.20 cm carbonate veinlet, with dextral offset, at 55 degrees to the C.A.						
56.47	56.52	Fracture parallel to the C.A.						
57.40	0.00	1.0 cm carbonate vein with 15% euhedral pyrite, approximately 0.10 cm in width. The vein is at 25 degrees to the C.A.						
57.41	58.50	Description as per 45.00 to 48.63 metres.						
58.50	61.84	Fine grained (less than 0.10 cm) mafic flow composed of 40% carbonate with no distinct foliation. 1% finely disseminationed of pyrite, locally concentrated along carbonate stingers and blebs, less than 1.0 cm in width.						
61.84	61.89	Barren 1.5 cm quartz-carbonate vein at 25 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/T	Au g/T
61.87	62.00	Description as per 58.50 to 61.84 metres.						
62.38	62.45	0.20 cm carbonate veinlet parallel to shearing, parallel to the C.A., with 10-12% pyrite.						
			10031	61.50	63.00	1.50	0.24	7.0
64.07	65.58	Description as per 45.00 to 46.63 metres. 1% disseminated pyrite, locally concentrated in 0.10 cm stringers. Chloritic alteration associated with a 0.50 cm quartz veinlet at 64.52 at 45 degrees to the C.A.						
66.60	68.00	Description as per 58.50 to 61.84 metres. 1% finely disseminated pyrite.						
68.02	68.32	0.20 cm carbonate vug subparallel to the C.A. Sinistral offset.						
			10032	70.98	71.88	1.50	1.13	3.8
71.58	71.68	Fine grained with grain size less than 0.01 cm. Weak chloritic alteration.						
72.64	72.92	Fine grained (less than 0.01 cm) carbonate and chloritic fragments parallel to weak shearing (parallel to the C.A.), ranging from 1.50 to 8.00 cm in width. Cut by carbonate veinlets which are less than 0.01 cm in width. Veinlets are parallel to the shear and continuous into the matrix. Trace to 1% finely disseminated pyrite. Matrix is carbonate and mafic with the grain size less than 0.01 cm.						
76.63	76.67	Irregular carbonate-quartz veinlet (0.30 cm in width) with elongate mafic inclusions up to 2.0 cm in length and 0.10 cm in width, at 25 degrees to the C.A.						
76.67	77.38	1-2% finely disseminated pyrite, and the presence of carbonate stylolites.						
77.80	79.25	Increase in the carbonate veinlet content to 10%. Carbonate veinlets average 0.10 cm in width and run continuous up to 20.0 cm in length. Multiple episodes of veining are apparent as veinlets cutting the shear foliation (parallel to the C.A.) are themselves cut. Sinistral offset by later veining which are subparallel to the shear (and the C.A.). Orientations of the veining are parallel to the C.A. and at 12 degrees to the C.A. Up to 2% fine disseminated pyrite and locally as fine stringers and blebs.						
79.16	80.16	Irregular quartz-carbonate veinlet with 30% elongate mafic inclusions parallel to the C.A. 3-5% disseminated and euhedral pyrite, less than 0.01 cm in width, localized in the mafic component. Upper contact obscured. lower contact at at 45 degrees to the C.A.	10033	79.16	80.16	1.00	0.41	3.9
80.16	80.37	Fracture parallel to the C.A.						
81.08	81.26	0.10 cm carbonate veinlet at 15 degrees to the C.A.						
82.00	82.75	Weak shearing subparallel to the C.A.						
82.75	83.45	Blocky core.						
83.45	83.70	30% vuggy carbonate veins, 3.0 cm in width, running parallel to the C.A. Contains mafic inclusions with 2-3% disseminated pyrite.						
84.36	84.70	Fracture parallel to the C.A.						
85.30	87.21	15% 0.4 cm carbonate veinlets, at 15 degrees to the C.A., occurring not less than 4.0 cm apart and not exceeding 20.0 cm apart. 0.1 cm carbonate veinlets occur at all orientations averaging 1.0 to 2.0 cm apart. Multiple phases of veining cut the 0.4 cm veinlets at oblique angles to the C.A.	10034	85.30	87.19	1.89	0.01	3.0
87.21	88.59	Description as per 85.30 to 87.21 metres. 3% 0.2 cm quartz augens, with carbonate pressure shadows, at 40 degrees to the C.A. Groundmass is devoid of carbonate. Carbonate is concentrated in the veining. Matrix is a brownish colour (siderite??). Lower contact defined by a colour change, sharp at 50 degrees to the C.A.						
88.59	88.98	Brecciated. Fragments are carbonatized, ranging from 0.10 to 0.20 cm in width. Angular shaped, comprising 10% of the interval and randomly oriented. Core is blocky.	10035	88.59	88.95	0.36	0.49	3.7

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
88.95	89.93	Description as per 85.30 to 87.21 metres. 15% carbonate veinlets and veins of varying orientation to the C.A., but averaging 45 degrees to the C.A. Veining ranges from 0.10 to 7.0 cm in width, some being fractured with dextral offsets. Matrix is devoid of carbonate. 1% quartz veinlets subparallel to the C.A. The core tends to fracture along the carbonate veinlets.						
89.93	93.38	Carbonate-rich matrix (40%). 1% carbonate stringers, 0.10 cm in width, at approximately 10.0 cm spacings, at 17 degrees to the C.A.						
93.38	94.00	Blocky core.						
		The lower contact is sharp at 27 degrees to the C.A.						
94.00	**97.12**	**MINERALIZED QUARTZ VEIN:IP ANOMOLY I-5 (19s6)**						
		Brecciated quartz vein with mafic volcanic inclusions up to 8.0 cm in length. Cut by 0.1 cm carbonate stringers, less than 1% of the interval, at 20 degrees to the C.A. 4-5% disseminated pyrrhotite, locally up to 10-12% as fine fracture filling stringers, disseminations and irregular shaped clots, over horizons less than 10.0 cm in length. Trace to 1% finely disseminated galena, trace finely disseminate pyrite. Mineralization is associated with the mafic inclusions and is locally a replacement texture.						
		The lower contact is at 25 degrees to the C.A.						
			10037	94.00	95.56	1.56	0.07	1.3
			10038	95.56	97.12	1.56	0.01	0.5
97.12	**101.70**	**MINERALIZED ZONE:IP ANOMOLY I-5 (666s7)**						
		Highly altered. Weak to moderately silicified and weakly sericitic. 7-8% pyrrhotite occuring locally up to 15%. Occurs as fracture filling associated with shearing subparallel to the C.A. Also occurs as disseminations and irregular shaped blebs. Trace finely disseminated pyrite and galena. Altered matrix contains patches of fine grained carbonate which increases lower in the interval to approximately 80% of the matrix. Weak chloritic zones, 5.0 cm in width occur. Multiple alteration events include silicification/sericitization of mafic volcanics, quartz filling (+/- carbonate) of fractures associated with pyrrhotite mineralization (pyrrhotite occurs on quartz vein walls) and simultaneous carbonate stringers (fracture fill) which cut across the mineralized veinlets resulting in less than 0.20 cm sinistral offsets. Carbonate stringers range from 70 to 80 degrees to the C.A.						
		The lower contact is marked by a decrease in the alteration and a sharp drop in mineralization in the underlying unit.						
			10039	97.12	98.52	1.40	0.02	1.3
			10040	98.52	100.20	1.68	0.01	1.0
			10041	100.20	101.70	1.50	0.02	1.8
101.70	**116.41**	**MAFIC VOLCANIC FLOW (6C7a1)**						
		Description as per 3.34 to 21.40 metres.						
101.70	103.20	Weak shear subparallel to the C.A. 35% carbonate veins less than 10.0 cm at all angles to the C.A.	10042	101.70	103.20	1.50	0.01	1.7

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	% g_ton
103.20	115.50	Description as 101.70 to 103.20. 5% carbonate stringers, veinlets, veins, stylolites and irregular shaped blebs occurring predominately at 70 to 80 degrees to the C.A. Trace finely disseminated pyrite.	10043	103.20	104.70	1.50	0.01	1.5
116.41	**116.41**	**END OF HOLE**						

BOND GOLD CANADA INC. DIAMOND DRILL HOLE REPORT

HOLE NO.	GR90.06	NORTHING	-255	DH COMP. BEAR	105	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
PROPERTY	GEORGIA RIVER	EASTING	213	GRID ORIENT.	000		69.0	- 52	107				
LOCATION	NTS 103O/16W	ELEVATION	1157	DH GRID AZ.	105								
CLAIM NO.	GOLDFIELDS #	SURV. E.		DIP-COLLAR	-45								
TARGET	EAST VEIN:T12	SURV. N.		LENGTH (m)	81.16								
ETARTED	AUGUST 29, 19	LOGGED BY	C. BOIVARD	DRILL CO.	FALCON								
FINISHED	AUGUST 29, 19	CHECKED BY	A. BRAY	DRILL NO.	1000								
SECTION		CORE	BQ TW	FOREMAN									
COMMENTS													

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton

SUMMARY

0.00	3.04	CASING
3.04	42.66	MAFIC VOLCANIC FLOW (6A6a1)
42.66	71.12	INTERCALATED ARGILLITE AND GRANODIORITE (15C7g4/9C6j1)
71.12	74.04	ANDESITIC DYKE (12C5a1)
74.04	74.40	ARILLACEOUS SEDIMENTS (15C613)
74.40	75.37	ANDESITIC DYKE (12C5a1)
75.37	76.48	ARGILLACEOUS SEDIMENTS (15C613)
76.48	81.16	GRANODIORITE (9A6a1)
81.16	81.16	END OF HOLE

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Au g/ton
0.00	**3.04**	**CASING**						
3.04	**42.66**	**MAFIC VOLCANIC FLOW (6A6a1)**						
		Moderately sheared at 28 degrees to the C.A., with 40% carbonate in the matrix as sheared amygdules. Matrix is cut by carbonate stringers and veinlets comprising 20% . 90% of the stringers and veinlets are parallel to the shear, with the remaining 10% oblique to the shear with minimal offsets (0.1 cm). 1% barren quartz veinlets, locally concentrated, generally oblique to the shear. Moderate alteration includes zones rich in silicification, chloritization and carbonatization. Less than 1% epidote. 90% of the core has undergone some form and degree of the above alterations. Trace finely disseminated pyrite.						
3.04	4.44	Matrix is stained brown, but lacks carbonate. Hardness of matrix is 5.5 and appears silicified. Numerous quartz-carbonate stringers and veinlets cross-cut the matrix oblique to the shearing at 28 degrees to C.A., and are predominately at 20% degrees to C.A. The matrix is streaky but no fragments are noted, and the grain size is fine-grained. Carbonate stringers and veinlets account for 10% of the interval, ranging from less than 0.10 to 1.0 cm in width, are barren and run parallel to the shear. Trace finely disseminated pyrite.						
4.44	10.00	Matrix contains 40% carbonate as distinct, 0.2 cm amygdules aligned parallel to shearing at 32 degrees to C.A.	100443	8.00	9.50	1.50	1.02	0.0
10.00	10.18	8.0 cm calcite vein with 50% chloritic mafic inclusions. The upper and lower contacts are at 27 and 25 degrees to C.A., respectively.						
10.18	10.81	Description as per 4.44 to 10.00 metres.						
10.81	11.41	Carbonate veins and brecciated carbonate veinlets indicating multiple carbonate infusion events. Early milky white carbonate is with fragments less than 1.0 cm and hosted in a greenish chloritic altered calcite vein. 30% of the fragments are greenish with chloritic alteration. 50% of the interval consists of mafic inclusions. Trace finely disseminated pyrite.						
13.43	13.60	Blocky, fractured core. Intense, strong Fe-carbonate alteration.						
14.29	16.10	Intense, strong carbonate (siderite/chloritic) alteration of the matrix. 80% of the alteration occurs throughout the interval. The core is light greenish-brown. Trace finely disseminated pyrite.	100445	14.50	16.00	1.50	0.01	0.0
16.10	18.43	Description as per 3.04 to 4.44 metres.						
18.43	20.45	Moderate shear at 38 degrees to C.A. 80% carbonate occurring as irregular veins, veinlets and stringers, parallel to the shear, ranging from 0.10 to 1.0 cm in width. Veining material is barren. Intense chloritic alteration with mafic fragments (5%), brecciated and with 5% amygdules. The matrix is mafic with siliceous and chloritic alteration. The upper contact is sharp at 60 degrees to C.A. However, the lower contact is obscure and marked by a decrease in chloritic alteration and a corresponding increase in silicification. The core fractures along 30 degrees to C.A. and exhibit irregular surfaces with intense rusty carbonate alteration, with alteration less than 3.0 cm on either side of the fracture.	100446	18.43	19.93	1.50	0.01	0.0
20.45	21.69	Description as per 18.43 to 20.45 metres with brown siliceous alteration of the matrix.						
21.69	21.75	Barren, milky white carbonate vein parallel to shearing at 25 degrees to C.A.						
21.75	22.95	Description as per 20.45 to 21.69 metres.						
22.95	23.41	Description as per 18.43 to 20.45 metres.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	+0 g/ton
23.41	24.85	Sheared feldspar phenocrystic granodiorite with moderate carbonate alteration. Shearing at 10 degrees to C.A. Trace finely disseminated pyrite. Homogeneous with less than 5% carbonate stringers and veinlets parallel to the shear. Irregular quart veining, 3%.	10047	23.41	24.61	1.20	0.02	0.0
24.85	25.15	Shear subparallel to the C.A. Calcic fragments, less than 1.0 cm and less than 2%, in a chloritic and silicified fine-grained matrix.						
25.15	27.18	Mafic flow with shearing at 27 degrees to C.A. Mafic matrix with calcite fragments (less than 0.4 cm and less than 5%), amygdules (30%, less than 0.1 cm), parallel to shearing. Quartz-carbonate veinlets (5%) parallel to shearing 1% finely disseminated pyrite. Weak silicification and chloritization throughout the length of the interval.						
27.18	29.54	Blocky core. Intense chloritic and siliceous alteration of intercalated sheared intrusive (description as per 23.41 to 24.85 metres). Less than 1% barren carbonate stringers and veinlets. Two 12.0 cm quartz-carbonate veins (barren) occur with 5%, less than 0.3 cm mafic inclusions. The quartz appears as fragments (1.5 cm in width) in a fine carbonate anastomosing system.						
29.54	31.00	Description as per 3.04 to 4.44 metres.						
31.00	37.65	Sheared at 18 degrees to C.A. Matrix consists of 20% carbonate clasts (amygdules?) and 10% fractured quartz augens, less than 0.2 cm in width, with calcite acting as fracture fill and pressure shadows. Elongate, 0.30-0.40 cm length chloritic stringers (5%) define the shear. 2% carbonate stringers occur at various orientations and at 15 cm intervals. Core is homogeneous. 1% finely disseminated and irregular blebs of pyrite on fracture planes. The entire interval is weakly chloritic.	10049	33.28	34.78	1.50	0.02	0.4
37.65	38.29	Brecciated multi-event carbonate stringers and veinlets hosted in a strongly altered epidote and siliceous horizon parallel to shearing at 35 degrees to the C.A. Proceeding down section, the epidote alteration down-grades to moderate. Blocky core.						
38.29	38.90	Blocky core. Description as per 31.00 37.65 metres.						
38.90	39.97	Description as per 31.00 to 37.65 metres with patchy green-brown siliceous and chloritic alteration.						
40.97	42.66	Description as per 38.90 to 39.97 metres with alternating regions of chloritic alteration and silicification. Sheared at 33 degrees to C.A. 2% carbonate stringers and veinlets with irregular clasts/fragments of carbonate (less than 1.0 cm) in addition to amygdules accounting for 30% of the matrix. The previously mentioned stringers and veinlets run parallel to the shear and result in no offset.	10050	40.97	42.57	1.60	0.01	0.0
42.66	**71.12**	**INTERCALATED ARGILLITE AND GRANODIORITE (15C7g4/9C6j1)**						
		Argillaceous sediments and chloritic granodiorite. Sediments are fine-grained with visible extensive carbonaceous alteration . The argillite is black. Irregular carbonate blebs and stringers and veinlets cut the unit and exhibit weak chloritic alteration. 3-5% finely disseminated and irregular shaped blebs of pyrite associated with both fractures and bedding planes. The granodiorite appears as described 23.41 to 24.85 metres with chloritic alteration. Contacts between the two rock types are compositionally distinct but irregular. The granodiorite comprises 25% of the interval. The granodiorite contains 5% calcite as a matrix component, plagioclase and quartz augens comprise 20%. Weak to moderate shearing subparallel to the C.A. 10% stringers and veinlets of carbonate run parallel to shearing. Patchy, strong short intervals (less than 0.10 m) of epidote alteration.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
42.66	44.28	Very blocky argillaceous sediments. The contact with the overlying unit is intensely brecciated with 1.0 cm quartz fragments in a calcareous matrix adjacent to and within 5.0 cm of the unit boundary. Progressing down section, the brecciated fragments become argillaceous sediments and the matrix siliceous. Further down the brecciation is non-existent with hair-line micro-faulting causing millimetre scale dextral offsets. Bedding is distinct and less than 1.0 cm in width at 55 degrees to the C.A.						
44.28	47.55	Moderately blocky core.	10051	44.28	44.89	1.72	0.01	0.6
47.55	48.72	Highly chloritic granodiorite.						
48.72	49.46	Blocky core. Argillaceous sediments, description as per 42.66 to 44.28 metres. Contact between this interval and the overlying granodiorite is obscured by blocky core.						
49.46	56.10	Weak to moderately sheared, strongly chloritic granodiorite. The shearing is at 45 degrees to the C.A. S mineralization associated with the shear as 2.5% pyrite, 0.4% pyrrhotite and 0.1% galena. These mineralized horizons are patchy (less than 0.5 cm in width) and are not continuous across any appreciable core width. The mineralization appears to be associated with the dark green chloritic alteration.	10052	54.39	55.89	1.50	0.21	0.2
56.10	57.80	Intercalated argillaceous horizon. The contact with the overlying granodiorite is gradational with the sediments brecciated (fragments less than 3.0 cm) in a quartz-carbonate groundmass. The sediments are carbonaceous with both quartz and carbonate stringers, veinlets and veins cutting the sediments. Some quartz veins have carbonate alteration haloes. Bedding is on a centimetre scale with 1-2% pyrite associated with the bedding plane. Orientation of the bedding is at 55 degrees to the C.A. The contact with the underlying unit is marked by irregular shaped quartz veins. The last 17.0 cm of the interval contains 70% quartz with mafic sediment inclusions. The actual contact has a millimetre wide chlorite/epidote alteration zone.	10053	56.10	57.60	1.50	0.04	1.5
57.80	61.50	Homogeneous granodiorite horizon with chloritic alteration. The upper contact is sharp at 60 degrees to the C.A., with a dark brown fine-grained chilled margin ending less than 8.0 cm into the interval. The granodiorite is not sheared and contains less than 1% 0.1 cm feldspar phenocrysts. Finely disseminated pyrite occurs in trace amounts throughout the interval, but occurs up to 1% within the chilled margin. The lower contact is obscured by broken core.	10054	57.80	59.30	1.50	0.01	0.6
61.50	61.94	Argillaceous sediments with 6% irregular brown calcite veinlets. Trace finely disseminated pyrite. The lower contact is sharp, but irregular, at 50 degrees to the C.A.						
61.94	62.95	Homogeneous granodiorite with chloritic alteration. Weakly sheared at 35 degrees to the C.A. Strongly chloritic with chilled margins at both contacts. The lower contact is inferred due to the presence of a 7.0 cm chilled margin and broken core.						
62.95	64.83	Argillaceous sediments. 2% carbonate veinlets, 90% of which are within the lower 35.0 cm of the interval. The lower contact is sharp but irregular at 50 degrees to the C.A. Trace finely disseminated pyrite.						
64.83	65.17	Chloritic granodiorite as per 57.80 to 61.50 metres, with 3.0 cm chilled margins at each interval boundary. The lower contact is irregular, but sharp, at 50 degrees to the C.A. The contact area contains xenoliths of the under-lying sediment unit. The xenoliths range from 0.20 to 1.0 cm in size. Brecciated sediments at the contact as xenoliths are angular with no evidence of large scale assimilation into the granodiorite.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
65.17	69.26	Argillaceous sediment horizon. 5% mineralized quartz-carbonate veinlets and veins of various orientations. 1-2% pyrite in the veining as blebs and patches The borders of the veining are chloritic. The lower contact is sharp at 50 degrees to the C.A.	10655	67.00	68.50	1.50	0.02	1.0
69.26	71.12	Granodiorite horizon, description as per 57.80 to 61.60 metres.						
71.12	**74.04**	**ANDESITIC DYKE (12C5a1)**						
		Fine-grained with patchy regions (less than 10.0 cm/ of carbonate alteration. 3% carbonate stringers which cut the C.A. at all orientations. Weak planar fabric subparallel to the C.A. Trace to 1% finely disseminate pyrite. The lower contact is marked by calcite-chlorite veinlets and alteration over 3.0 cm wide, and the presence of 5% irregular blebs and stringers of pyrrhotite.						
			10656	71.12	72.62	1.50	0.01	0.4
74.04	**74.40**	**ARILLACEOUS SEDIMENTS (15C613)**						
		Weakly folded bedding at the upper contact. The fold amplitudes are less than 1.0 cm. 2% carbonate veinlets at all orientations to the C.A. The lower contact is marked by a 4.0 cm horizon with 50% carbonate in the matrix and 3% pyrite and pyrrhotite as discontinuous fine stringers and blebs.						
74.40	**75.37**	**ANDESITIC DYKE (12C5a1)**						
		Description as per 71.12 to 74.04 metres. With weak shearing parallel to the C.A.						
75.37	**76.48**	**ARGILLACEOUS SEDIMENTS (15C613)**						
		Description as per 74.04 to 74.40 metres. Bedding is at 70 degrees to the C.A. The lower contact is marked by moderate chloritic and carbonate alteration.						
76.48	**81.16**	**GRANODIORITE (9A6a1)**						
		Description as per 57.80 to 61.50 metres.						
			10657	76.48	77.98	1.50	0.01	0.2
81.16	**81.16**	**END OF HOLE**						

BOND GOLD CANADA INC. DIAMOND DRILL HOLE REPORT

HOLE NO.	GR90.07	NORTHING	100	DH COMP. BEAR	270	Depth	Dip	Azimuth Test	Depth	Dip	Azimuth Test
PROPERTY	GEORGIA RIVER	EASTING	-140	GRID ORIENT.	000						
LOCATION	NTS 103O/16W	ELEVATION	124m	DH GRID AZ.	270						
CLAIM NO.	GEORGIA	SURV. E.		DIP-COLLAR	-45						
TARGET	I-1	SURV. N.		LENGTH (m)	110.00						
STARTED	AUGUST 30, 19	LOGGED BY	H. BASSO	DRILL CO.	FALCON						
FINISHED	AUGUST 30, 19	CHECKED BY	C. BOIVARD	DRILL NO.	1000						
SECTION		CORE	BQ TW	FOREMAN							
COMMENTS	SPERRY ILLEGIBLE											

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/T	Ag g/T

SUMMARY

0.00 1.52 CASING

1.52 110.00 MAFIC VOLCANIC FLOW (6C5j1)

110.00 110.00 END OF HOLE

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
0.00	**1.52**	**CASING**						
1.52	**110.00**	**MAFIC VOLCANIC FLOW (6C5j1)**						
		Moderately to strongly sheared, subparallel to the C.A., and brecciated. 25% type A xenoliths: white grey, carbonate-rich matrix with 0-30% chloritic pseudomorphs, after hornblende, and xenolith boundaries are assimilated (gradational) and sheared. 5% type B xenoliths: fine-grained to aphanitic, weakly carbonatized, subangular with sharp boundaries and usually surrounded by carbonate pressure shadows extended parallel to shearing. 7% carbonate stringers and veinlets, 0.10-0.40 cm in width, ranging from 15 to 70 degrees to the C.A., averaging 45 degrees to the C.A. Carbonate also occurs as pressure shadows surrounding xenoliths and as carbonatized amygdules and weak alteration of the matrix. 2% epidote alteration associated with carbonate veinlets and stringers, as weak alteration of the matrix, and as weak alteration of plagioclase phenocrysts. Trace finely disseminated pyrite and pyrrhotite. Locally up to 2-3%, over short horizons generally less than 0.10 m, associated with mafic inclusions within carbonate veinlets, and as fine disseminations associated with alteration haloes surrounding carbonate veinlets. Occasional pillow selvage observed, which is typified by a fine-grained chilled margin and epidote alteration.						
1.52	4.52	Moderately to strongly sheared subparallel to the C.A. Micro-fracturing along the shear planes. Trace very finely disseminated pyrite along the fractures. 1% type A xenoliths of unsheared material. Carbonate-rich matrix, white-grey comprising 70% with 30% chloritized subhedral hornblende. Shearing increases toward the outer edge of the xenolith.						
6.00	7.89	Weak to moderately sheared subparallel to the C.A. 30% xenoliths (type A and B) up to 10.0 cm in width. Type B xenoliths are fine-grained to aphanitic, angular and weakly carbonatized. 2% carbonate veinlets ranging from 15 to 35 degrees to the C.A., cross-cutting the xenoliths. Trace finely disseminated pyrite and pyrrhotite.						
7.89	8.58	Brecciated flow top. Irregular contact with the overlying unit. 20% relict type A xenoliths and one type B xenolith. 2% carbonate veinlets at 35 to 45 degrees to the C.A. Strong, patchy epidote alteration localized at the carbonate stringers. 3% epidote over the interval.						
8.58	9.43	Description as per 7.89 to 8.58 metres, moderately sheared.						
10.08	10.36	Pillow selvage edge at 10.34 metres, approximately 2.0 cm wide, at 45 degrees to the C.A. 20% carbonatized amygdules, with very fine-grained chilled margins (approximately 1.3 cm wide, from 10.08 to 10.34 metres) followed by 0.7 cm wide zone of strong epidote alteration. Contacts are sharp between the chilled margin and the epidote rich zone. Epidote alteration becomes diffuse into the underlying breccia.						
10.36	12.60	Brecciated with type A and type B relict xenoliths. 1% chlorite-carbonate clasts.	19952	11.10	12.60	1.50	0.02	0.6
12.60	13.31	Quartz-carbonate vein subparallel to the C.A. 1-2% finely disseminated pyrite and pyrrhotite associated with mafic inclusions within the vein. Trace fine disseminations of pyrite and pyrrhotite at the vein boundaries.						
13.31	16.42	Moderately sheared and brecciated with an epidote-chlorite-carbonate in the matrix. 25% type A xenoliths with the xenolith boundaries having been assimilated and moderately sheared. 5% type B xenoliths which are surrounded by carbonate pressure shadows. 1% carbonate and chlorite with minor epidote.	19959 19960	12.60 13.41	13.41 14.91	0.81 1.50	0.03 0.01	1.5 0.8

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		Trace carbonate veinlets with sharp contacts at 60 degrees to the C.A. Trace fine disseminations of pyrite and pyrrhotite.						
16.42	18.90	Description as per 13.31 to 16.42 metres. 2% epidote-carbonate veinlets, 0.10-0.70 cm in width, at 45 degrees to the C.A.. 2% epidote altered plagioclase phenocrysts.						
18.90	21.80	Moderately sheared and brecciated. Epidote-chlorite matrix. 30% type A xenoliths, the boundaries of which are assimilated and sheared. 2% type B xenoliths. 2% carbonate with minor epidote veinlets at 35 to 40 degrees to the C.A. (0.10 to 0.20 cm in width). Locally up to 3% fine disseminated pyrite and pyrrhotite concentrated in carbonate-chlorite alteration haloes surrounding carbonate-epidote veinlets, but the interval averages trace pyrrhotite and pyrite. A 1.2 cm carbonate vein (at 21.17 metres) is surrounded by a 1.0 cm epidote alteration halo.						
21.80	23.30	Moderately sheared and brecciated. Epidote-chlorite matrix with 30% type A xenoliths. 2% vuggy carbonate veinlets, 0.2-0.5 cm wide, at 50 degrees to the C.A. The core tends to fracture along these veinlets. Trace fine pyrite and pyrrhotite disseminations.	10962	20.50	22.00	1.50	0.02	1.0
23.30	25.15	15% type A xenoliths, 3% type B xenoliths with sharp angular boundaries. Minor carbonate pressure shadows. 4% white-grey carbonate-chlorite clots. 2% carbonate-epidote veinlets at 30 to 45 degrees to the C.A. 1-2% epidote alteration of plagioclase phenocrysts. Trace fine disseminations of pyrite.						
25.15	28.85	Description as per 23.30 to 25.15 metres. 15% type B xenoliths, up to 10.0 cm wide. Up to 5% carbonate as pressure shadows surrounding the xenoliths. Locally up to 3% finely disseminated pyrite and pyrrhotite (over short sections less than 0.10 m), but the interval averages trace sulphides.	10963	25.50	27.00	1.50	0.02	1.3
28.85	33.52	Strongly sheared and brecciated, subparallel to the C.A. 30% type A xenoliths with strongly sheared boundaries. Trace finely disseminated pyrite and pyrrhotite.						
33.52	34.30	Description as per 28.85 to 33.52 metres. 5% carbonate veinlets, 0.2 to 0.7 cm in width, at 25 to 35 degrees to the C.A. Locally up to 2% disseminated pyrite and pyrrhotite concentrated along carbonate veinlet contacts and disseminated within the breccia fragments in close proximity (1.5 to 2.0 cm) to the veinlets.						
34.30	39.70	Moderate to strongly sheared and brecciated with 30% type A xenoliths with assimilated and sheared boundaries. 5% type B xenoliths with associated pressure shadows. 1% carbonate veinlets, 0.10 to 0.30 cm in width, ranging from 25 to 90 degrees to the C.A.	10964	33.52	35.02	1.50	0.01	1.4
39.70	42.38	Strongly sheared and brecciated. Very fine-grained. 40% streaky, elongated type A xenoliths. 15% carbonate amygdules, 0.05 to 0.4 cm in diametre. 1% carbonate veinlets, 0.20 to 0.50 cm in width, at 45 to parallel to the C.A.						
42.38	42.58	Description as per 39.70 to 42.38 metres. 2% carbonate veins 1.0 to 2.0 cm in width, at 25 degrees to the C.A. The veins are barren and have sharp contacts with the mafic volcanics.						
42.58	48.57	Description as per 39.70 to 42.38 metres.	10965	47.00	48.57	1.57	0.01	1.5
48.57	50.98	Gradational into moderately sheared and brecciated. 5% type A xenoliths with associated sheared boundaries. 5% type B xenoliths with minor carbonate pressure shadows. Absence of carbonate veining. Trace disseminated pyrite and pyrrhotite.						
50.98	51.45	Description as per 48.57 to 50.98 metres. 3% disseminated, euhedral pyrite.						
51.45	53.10	Moderately to strongly sheared and brecciated. 10% type A xenoliths, elongated along shear planes and with associated sheared boundaries. 2% type B xenoliths with carbonate pressure shadows. Less than 1% carbonate veinlets, 0.10 to 0.20	10966	50.25	51.75	1.50	0.01	2.7

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		cm in width, ranging from 45 to 90 degrees to the C.A.. Trace finely disseminated euhedral pyrite and pyrrhotite.						
63.10	66.85	Description as per 51.45 to 63.10 metres. 30% type H xenoliths, elongated parallel to shearing (subparallel to the C.A.). Locally up to 2% disseminated euhedral pyrite (over intervals less than 0.10 m). 1% carbonate veinlets, 0.30 to 1.0 cm in width, with sharp contacts at 25 degrees to the C.A.	10067	63.10	64.60	1.50	0.01	1.7
66.85	67.00	Description as per 63.10 to 66.85 metres. 10% carbonate veinlets (two seperate cross-cutting sets). One set is 0.50 cm wide at 35 degrees to the C.A. The second set is narrower, 0.2 cm in width, and dextrally offsets the first with offsets up to 0.2 cm. Trace, oxidized disseminated pyrite at vein-breccia contacts and disseminated within the veinlets.						
71.00	71.46	Description as per 63.10 to 66.85 metres. Occasional fractured surface sub-parallel to the C.A.	10068	75.00	76.50	1.50	0.01	2.1
77.67	91.80	Description as per 63.10 to 66.85 metres. 2-3% carbonate veinlets, 0.10 to 0.8 cm in width, at 25 to 70 degrees to the C.A. The veinlets show sharp conatacts with the brecciated mafic volcanic and exhibit no altetation haloes. Minor, 0.2 cm offsetting of the veinlets is noted, which is possibly due to movement along micro-fractures.						
81.80	82.12	20% carbonate veinlets, with two stages of veining. The first stage of veinlets, 0.1-0.2 cm wide, is at 70 degrees to the C.A., have sharp contacts and are offset, up to 0.4 cm, by the second stage veinlets which appear to be fracture filling with widths ranging from 0.2 to 1.5 cm. The second stage veinlets are at various angles to the C.A.						
85.10	87.98	Description as per 63.10 to 66.85 metres. 10% quartz-carbonate veinlets, from 0.10 to 0.40 cm in width. Second stage of veinlets are at 40 degrees to the C.A., have sharp contacts with the mafic volcanics, and locally contain 1-2% finely disseminated pyrite and pyrrhotite associated with mafic inclusions within the veinlets. The first stage carbonate veinlets, 0.10 to 0.30 cm in width, are subparallel to the C.A., with sinistral 0.50 to 0.70 cm offsets by second stage carbonate veinlets. The first stage veinlets comprise 1% of the carbonate veinlets.	10069	84.75	86.25	1.50	0.01	2.3
90.00	91.10	Description as per 63.10 to 66.85 metres. 5% Fe-rich carbonate within 1.0 to 2.5 cm wide carbonate vein at 35 degrees to the C.A.						
95.44	97.46	Description as per 63.10 to 66.85 metres. 2-3% Fe-rich carbonate within 0.10 to 1.0 cm wide carbonate veinlet, at 35 degrees to the C.A. Fe-rich carbonate also occurs in fracture/void filling.						
97.46	98.93	Very fine-grained, strongly sheared and brecciated. 40% streaky, elongate and assimilated type H xenoliths. 1% carbonate veinlets at 35 degrees to the C.A. Locally up to 1% disseminated pyrite in fine stringers subparallel to the C.A.	10070	98.00	99.50	1.50	0.03	3.2
103.90	103.90	Description as per 63.10 to 66.85 metres. 1% carbonate veinlets, 0.10 to 0.20 cm wide, which cross-cuts shearing (at 15 degrees to the C.A.).						
107.12	107.51	Description as per 63.10 to 66.85 metres. One large (3.0 cm wide by 15.0 cm long) type H xenolith, with the long axis subparallel to shearing at 15 degrees to the C.A. The contact of the xenolith is assimilate and sheared, with wispy carbonate pressure shadows.						
			10071	107.50	109.00	1.50	0.01	2.5
110.00	**110.00**	**END OF HOLE**						

BOND GOLD CANADA INC. DIAMOND DRILL HOLE REPORT

HOLE NO.	GA90-08	NORTHING	100	DH COMP. BEAR	270	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
PROPERTY	GEORGIA RIVER	EASTING	-10	GRID ORIENT.	000	0.12	-45	267					
LOCATION	NTS 103O/16W	ELEVATION	1240	DH GRID AZ.	270								
CLAIM NO.	GEM	SURV. E.		DIP-COLLAR	-45								
TARGET	I-2	SURV. N.		LENGTH (m)	99.39								
STARTED	AUGUST 31, 19	LOGGED BY	H. GASSO	DRILL CO.	FALCON								
FINISHED	SEPTEMER 1, 1	CHECKED BY	H. GRAY	DRILL NO.	1009								
SECTION		CORE	BQ TW	FOREMAN									
COMMENTS													

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	AU OZ/TON	AG OZ/TON

SUMMARY

0.00	4.56	CASING
4.56	60.64	MAFIC VOLCANIC FLOW (6A6a1)
60.64	61.84	MINERALIZED QUARTZ VEIN:GEM VEIN? (1916)
61.84	67.17	MAFIC VOLCANIC FLOW (6A6a1)
67.17	67.83	MINERALIZED QUARTZ VEIN:GEM VEIN? (19d4)
67.83	69.00	MAFIC VOLCANIC FLOW (6A6a1)
69.00	69.83	MINERALIZED QUARTZ VEIN:GEM VEIN? (19d4)
69.83	99.39	MAFIC VOLCANIC FLOW (6A6a1)
99.39	99.39	END OF HOLE

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au	Ag
							g/t	g/t
0.00	**4.56**	**CASING**						
4.56	**60.64**	**MAFIC VOLCANIC FLOW (6A6a1)**						
		Strongly sheared and brecciated mafic volcanic flow. Shearing is subparallel to the C.A. 20% type A xenoliths: white grey, carbonate-rich matrix with 0-30% chloritic pseudomorphs, after hornblende, and xenolith boundaries are assimilated (gradational) and sheared. 20% type B xenoliths: fine-grained to aphanitic, weakly carbonatized, subangular with sharp boundaries and usually surrounded by carbonate pressure shadows extended parallel to shearing. Type B xenoliths contain chlorite and magnetite, 0.10 cm in diametre. 1-2% quartz-carbonate veinlets, 0.10 to 0.50 cm in width, at 25 to 55 degrees to the C.A. Trace finely disseminated pyrite, locally up to 5% (over intervals less than 0.10 m) at the margins of larger quartz-carbonate veins (2.0-4.0 cm in width). The interval is moderately chloritic, weakly carbonatized and locally moderately sericitized and epidotized.						
4.56	5.09	Blocky core with dark brown carbonatized surface.						
5.09	8.19	Strongly sheared, with shearing subparallel to the C.A. 40% type A xenoliths with strongly sheared and assimilated boundaries. Very fine-grained grey-green aphanitic matrix with finely disseminated chlorite and magnatite. 1% 0.10 to 0.20 cm wide carbonate veinlets at 15 and 90 degrees to the C.A. Later stage micro-fractures at 90 degrees to the shearing results in minor drag folding deformation of the sheared fabric. Trace finely disseminated pyrite and pyrrhotite. Folded 3.0 cm carbonate vein at 7.15 metres with fold limbs at 35 degrees to the fold axis at 90 degrees to the C.A. The sheared fabric is crenulated in the vicinity of the folded vein.						
8.19	9.09	Strongly sheared and sericitized. Shearing is subparallel to the C.A. Very fine-grained light grey with 5% bright green (chromium mica, fuchsite?) mineral Weak to moderate silicification. 1-2% magnetite clusters, sometimes associated with trace disseminated pyrite. 40% of the interval is strongly oxidized (brown-orange) associated with carbonate veinlets, 0.10 cm in width, at 35 degrees to the C.A. Contacts are sharp between the oxidized and unoxidized mafic volcanic. The contact with the non-sericitized and brecciated underlying unit is gradational.						
9.09	10.11	Description as per 5.09 to 8.19 metres. Trace carbonate veinlets (0.10 to 0.20 cm) at 35 degrees to the C.A. No deformation of the shear fabric by micro-fractures. Shearing is subparallel to the C.A. Trace finely disseminated pyrite. The lower contact with the underlying unit is sharp at a 0.20 cm wide carbonate veinlet at 30 degrees to the C.A., with minor iron-oxide.						
10.11	11.77	Description as per 8.19 to 9.09 metres. 10% chromium mica? (fuchsite?) and 2-3% magnetite, both as fine disseminations. 4-5% quartz-carbonate veinlets and veins, 0.20 to 2.0 cm in width, at 40 to 55 degrees and subparallel to the C.A. 1% iron-carbonate rich veinlets and fractures, 0.10 cm wide, at 50 and 20 degrees to the C.A. The lower contact is gradational.	10672	10.15	11.50	1.35	0.32	3.4
11.77	15.00	Intermediary between 5.09 to 8.19 and 8.19 to 9.09 metres. The shear fabric and type A xenoliths are still recognizable but the matrix is moderately silicified and contains 1-2% chromium mica (fuchsite?), with the silicification and chromium mica (?) stronger in proximity to quartz-carbonate veinlets and veins. 1% quartz-carbonate veinlets and veins, 0.10 to 2.0 cm wide, from sub-parallel to 50 degrees to the C.A. Trace pyrite as disseminations. 1-2% distinct magnetite clusters, less than 0.2 cm in diametre. The lower contact						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Hg g/ton
		is gradational.						
15.00	19.00	Moderately to strongly sheared and brecciated. Dark grey-black-green aphanitic matrix. 40% type B xenoliths, up to 10.0 cm in width, angular with carbonate fracture filling. 5% type A xenoliths with assimilated and sheared boundaries. 1-2% carbonate veinlets, 0.10 to 0.50 cm in width, parallel to 45 degrees to the C.A. Trace finely disseminated pyrite.	10073	18.00	19.50	1.50	0.01	1.8
19.50	22.41	Description as per 8.19 to 9.09 metres. 1-2% chromium mica (fuchsite?). 1% brownish pink colour iron-rich carbonate alteration of the matrix. 2% 0.10 to 1.0 cm carbonate veinlets at 30 degrees to the C.A. The wider, 1.0 cm carbonate veinlets are zoned. Trace finely disseminated pyrite. Core becomes blocky, fractured and silicified with increasing depth in the interval.						
22.41	22.82	Strongly silicified. Very fine-grained to aphanitic silicified matrix with angular, zoned carbonate porphyries (20%, 0.20 to 1.50 cm in diameter). The contact between the silicified and sericitized zones is characterized by a layer of carbonate with crystals (microcline?) appearing to grow in the silicified zone.						
22.82	24.27	Description as per 19.50 to 22.41 metres.						
24.27	25.55	Rubbly and earthy core (shear zone).						
25.55	28.00	Blocky core.						
28.00	29.24	Description as per 15.00 to 19.50 metres. Localized zones of type A xenoliths with brownish-pink carbonate alteration and 3-4% fine disseminated pyrite and rare stringers. Locally up to 5% carbonate veinlets, 0.10 to 0.70 cm wide, at 30 degrees to the C.A.	10074	28.00	29.23	1.23	0.01	2.9
29.24	30.00	Description as per 19.50 to 22.41 metres.						
30.00	30.06	Description as per 19.50 to 22.41 metres. Strong fuchsite (?) alteration. Upper and lower contacts marked by small carbonate veinlets (0.10 cm in width) which act as alteration barriers, at 30 degrees to the C.A.						
30.06	34.94	Description as per 15.00 to 19.50 metres. 30% type B and 10% type A xenoliths. 5% pinkish brown iron-carbonate alteration of the matrix. Trace disseminated pyrite and pyrrhotite. 1-2% zoned carbonate veinlets (0.50 cm in width) at 45 degrees to the C.A., with smaller (0.10 to 0.20 cm) carbonate veinlets at 15 to 30 degrees to the C.A. From 32.05 to 32.30 metres is a zone of moderate quartz-carbonate veining (up to 35%) and quartz-carbonate flooding of type A xenoliths. Veins are up to 5.0 cm in width, at 25 degrees to the C.A. with up to 5% disseminations, blebs and stringers of pyrite.	10075	31.25	32.75	1.50	0.02	3.8
34.94	36.46	Description as per 30.06 to 34.94 metres, but lacks the pinkish-brown iron-carbonate alteration.						
36.46	37.45	Description as per 11.77 to 15.00 metres. 10% quartz-carbonate veins (0.20 to 10.0 cm in width) at 50 degrees to the C.A. One 10.0 cm wide quartz-carbonate vein has strongly oxidized contacts with iron-carbonate extending into the vein and zoned towards the centre of the vein. At the vein contact there is an oxidized zone with magnetite, followed inwards by iron-rich carbonate and finally milky white at the centre of the vein. 1% fuchsite (?), 2-3% magnetite and 3-4% disseminations, blebs and stringers of pyrite within the vein.	10077	36.46	37.45	0.99	0.01	1.9
37.45	41.52	Description as per 34.94 to 36.46 metres. 3% weak epidote alteration of the matrix.						
41.52	45.00	Description as per 37.45 to 41.52 metres. Blocky and fractured core, with fracturing generally subparallel to the C.A. 1-2% carbonate veinlets, 0.10 to 0.20 cm in width, subparallel to the C.A. Trace finely disseminated pyrite.						
45.00	46.90	Description as per 37.45 to 41.52 metres. 3% carbonate infill of micro-fractures and small, 0.10 to 1.5 cm veinlets, subparallel to 30 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
46.90	47.25	Quartz vein at 25 degrees to the C.A. 2-3% pyrite associated with mafic inclusions within the vein. Pyrite occurs as fine disseminations.						
47.25	49.39	Moderately sheared and brecciated with shearing subparallel to the C.A. Very fine-grained matrix with moderate chloritic alteration and fine disseminations of magnetite. 10% patchy moderate epidote alteration of the matrix. 35% type A xenoliths with assimilated and sheared boundaries. 8-10% type B xenoliths with sharp, angular boundaries. 2% quartz-carbonate veinlets (0.10 to 4.0 cm in width) at 35 to 90 degrees to the C.A. Trace fine disseminations of pyrite.	10078	46.80	47.80	1.00	0.75	2.7
49.39	50.66	Strongly sheared and brecciated with moderate sericitic alteration. 10% fine disseminations of fuchsite (?) and 1-2% disseminations of magnetite. 2% carbonate veinlets, 0.10 to 1.0 cm, at 45 degrees to the C.A. 1% chlorite filled micro-fractures subparallel to 60 degrees to the C.A.. Trace fine disseminations of pyrite, generally concentrated at the contacts with the carbonate veinlets.						
50.66	55.77	Description as per 47.25 to 49.39 metres. 2-3% quartz-carbonate veinlets of two types. One set of veinlets is generally 0.10 to 0.20 cm in width at 25 degrees to the C.A. The second type is 1.0 to 2.0 cm in width at 50 degrees to the C.A. with sericitic alteration haloes.						
55.77	59.05	Description as per 49.39 to 50.66 metres. 5% quartz-carbonate veinlets and veins, 0.10 to 2.0 cm in width, subparallel to 20 degrees to the C.A. and as in-filling of fractures surrounding brecciated fragments. 5% disseminated fuchsite (?) and 1-2% disseminated magnetite. Trace fine disseminations of pyrite.	10079	56.40	58.40	1.50	0.01	1.4
59.05	60.64	Description as per 47.25 to 49.39 metres.						
60.64	**61.84**	**MINERALIZED QUARTZ VEIN:GEM VEIN? (1916)**						
		The interval comprises 40% quartz-carbonate veining and 60% mafic volcanics. The vein is 2.0 to 3.0 cm in width at 35 degrees to the C.A. 5-7% disseminated pyrite with scattered stringers both within the vein and the mafic volcanics. Trace fine disseminations of pyrrhotite.						
			10080	59.36	60.84	1.48	0.02	1.2
			10081	60.84	61.84	1.00	0.04	1.9
61.84	**67.17**	**MAFIC VOLCANIC FLOW (6A6a1)**						
		Description as per 47.25 to 49.39 metres. 15% patchy moderate epidote alteration of the matrix. 1% carbonate veinlets, 0.10 to 0.30 cm in width, at 20 to 45 degrees to the C.A.						
			10082	61.84	63.36	1.52	0.01	2.2
			10083	65.80	67.17	1.37	0.02	1.6
67.17	**67.83**	**MINERALIZED QUARTZ VEIN:GEM VEIN? (1904)**						
		The interval is composed of 40% quartz-carbonate veining, 1.5 to 3.0 cm wide, at 25 degrees to the C.A., and 60% mafic volcanics. The mafic volcanics are weakly silicified. 4% disseminations, stringers and blebs of pyrite within the mafic volcanics and associated with the mafic inclusions within the quartz vein						
			10084	67.17	67.83	0.66	0.60	2.7
67.83	**69.00**	**MAFIC VOLCANIC FLOW (6A6a1)**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/tn	Au g/tn
		Description as per 47.25 to 49.39 metres. 1-2% fine disseminations of pyrite.						
			10[illegible]	67.83	69.00	1.17	[illegible]	[illegible]
69.00	**69.83**	**MINERALIZED QUARTZ VEIN:GEM VEIN? (19d4)**						
		The interval is composed of 50% quartz veining, 1.5 to 3.0 cm in width at 25 to subparallel to the C.A. and 50% mafic volcanics, weakly silicified. 4-5% disseminations, stringers and blebs of pyrite within the mafic volcanics and within mafic inclusions within the vein.						
			10[illegible]	69.00	69.83	0.83	7.13	5.5
69.83	**99.39**	**MAFIC VOLCANIC FLOW (6A6a1)**						
		Description as per 4.56 to 69.64 metres.						
69.83	75.00	Description as per 47.25 to 49.39 metres. 30% type B xenoliths and 10% type A xenoliths. 4% patchy, moderate epidote alteration of the matrix. 1% carbonate veinlets and infill of micro-fractures, 0.10 to 0.20 cm in width, at 35 to 45 degrees to the C.A.	10[illegible]	69.83	71.33	1.50	0.06	1.2
75.00	76.80	1.0 to 2.0 cm wide quartz-carbonate vein subparallel to the C.A. 1-2% fine disseminations and blebs of pyrite concentrated at the contact of the vein and within mafic inclusions within the vein.	10[illegible]	75.00	76.80	1.80	0.24	1.7
76.80	78.44	Description as per 69.83 to 75.00 metres.						
78.44	79.38	Description as per 69.83 to 75.00 metres. 2-3% quartz-carbonate veinlets (0.10 to 0.30 cm in width) at 45 degrees to the C.A. Micro-fracturing of 30% type B xenoliths. 1% fine disseminations and hair-line stringers (at 35 degrees to the C.A.) of pyrite. Micro-fractures contain carbonate and epidote.						
79.88	86.60	Description as per 69.83 to 75.00 metres. 5% patchy moderate epidote alteration of the matrix. 1% carbonate veinlets, 0.10 cm in width, at 75 degrees to the C.A., offset by a later carbonate veinlet set which is sub-parallel to the C.A. Offsets are sinistral, up to 0.30 cm. Weak epidote haloes where the two stages of carbonate veinlets intersect. Trace fine disseminations and blebs of pyrite. Locally up to 5% at the contacts with the carbonate veinlets.	10[illegible]	77.75	79.25	1.50	0.02	1.4
86.60	87.70	Description as per 69.83 to 75.00 metres. 15% weak, patchy epidote alteration.						
87.70	88.17	40% patchy, strong epidote alteration associated with 3% carbonate veinlets, 0.10 to 0.70 cm in width at 70 to 90 degrees to the C.A.						
88.17	90.68	Description as per 86.60 to 87.70 metres.	10[illegible]	87.50	88.50	1.00	0.01	1.8
90.68	90.88	Description as per 87.70 to 88.17 metres.						
90.88	99.39	Description as per 69.83 to 75.00 metres. 2% patchy, moderate epidote alteration of the matrix. 1% carbonate veinlets, 0.10 to 0.70 cm in width, at 45 to 70 degrees to the C.A. Trace fine disseminations of pyrite.						
99.39	**99.39**	**END OF HOLE**						

BOND GOLD CANADA INC. DIAMOND DRILL HOLE REPORT

HOLE NO.	GR90.09	NORTHING	400	DH CONF. BEAR	270	Depth	Dip	Azimuth	Feet	Depth	Dip	Azimuth	Feet
PROPERTY	GEORGIA RIVER	EASTING	-125	GRID ORIENT.	000	0.0	-45						
LOCATION	NTS 103O/16W	ELEVATION	1022	DH GRID AZ.	270								
CLAIM NO.	GEM	SURV. E.		DIP-DOLLAR	-45								
TARGET	1-2	SURV. N.		LENGTH (m)	107.93								
STARTED	SEPTEMBER 2,	LOGGED By	J. BOYAIRD	DRILL CO.	FALCON								
FINISHED	SEPTEMBER 2,	CHECKED By	A. GRAY	DRILL NO.	1000								
SECTION		CORE	BQ TW	FOREMAN									
COMMENTS													

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	% g_ton

SUMMARY

0.00	2.12	CASING
2.12	50.81	MAFIC VOLCANIC FLOW (6A7a1)
50.81	53.75	VERY WEAKLY MINERALIZED QUARTZ VEIN (1956j2)
53.75	98.30	MAFIC VOLCANIC FLOW (6A7a1)
98.30	99.98	DIABASE DYKE (14j1)
99.98	107.93	MAFIC VOLCANIC FLOW (6A7a1)
107.93	107.93	END OF HOLE

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**2.12**	**CASING**						
2.12	**50.81**	**MAFIC VOLCANIC FLOW (6A7a1)**						
		Moderately sheared parallel to the C.A. Weak to moderate brecciation with remenant pillow fragments. The fragments have been moderately to strongly carbonatized with 30% chlorite pseudomorphs after hornblende or pyroxene. Trace fine disseminations of pyrite. Moderately to strongly chloritic and weak to moderately carbonatized throughout.						
2.12	2.32	Blocky and fractured core. The fractures are parallel to shearing which is parallel to the C.A.						
2.32	3.83	1.0 cm carbonate/epidote veinlets, periodically at 20.0 to 25.0 cm intervals, parallel to shearing which is parallel to the C.A. Directly adjacent to the diffuse carbonate/epidote veinlets are less than 0.5 cm zones of fine-grained mafic volcanics (chilled margins to pillow lavas?). Bordering the veinlets are 15.0 cm long unsheared regions which have characteristic chloritic pseudomorphs after hornblende or pyroxene. The pseudomorphs are less than 0.2 cm, euhedral rectangular along their long axis and hexagonal in cross section. Moving from the centre of each pod towards the carbonate/epidote border, the chloritic knots gradually become sheared parallel to the C.A. The knots are hosted in a carbonate matrix. On the exterior side of the carbonate/epidote pillows, the mafic volcanics are moderately to strongly sheared. No visible sulphides.						
3.83	4.95	Shearing subparallel to the C.A. Less than 4.0 cm in length fragments (chlorite matrix with 50% chloritic pseudomorphs) hosted in a sheared (parallel to the C.A.), fine-grained, chloritic mafic volcanic. The fragments comprise approximately 20% of the interval. No visible sulphides. Carbonate content 15% as fragment matrix and as a moderately reactive component of the mafic volcanic sheared matrix.						
4.95	6.52	Weakly brecciated. Less than 0.7 cm chloritic pseudomorphs (subeuhedral after hornblende), which are fractured with carbonate infill and pressure shadows with their long axis aligned parallel to the shear, which is parallel to the C.A. The pseudomorphs are hosted by a fine-grained mafic volcanic which has weak epidote alteration. No visible sulphides.	10692	3.83	5.33	1.50	0.01	2.3
6.52	7.56	Description as per 4.95 to 6.52 metres but with strong carbonate alteration, 40% of which occurs within the matrix.						
7.56	8.67	Description as per 4.95 to 6.52 metres.						
8.67	8.76	Blocky core. Moderate, patchy epidote alteration of the matrix.						
10.23	11.00	Description as per 4.95 to 6.52 metres. Moderate to strongly sheared parallel to the C.A.						
11.73	11.75	Irregular calcite veinlet with patchy epidote and chloritic alteration parallel to the shear (and the C.A.), but not continuous.						
11.75	13.43	Description as per 6.52 to 7.56 metres.						
13.43	14.48	Sheared parallel to the C.A. Blocky, muddy core. Discontinuous calcite veinlet, 0.30 cm in width, runs parallel to the shearing. Trace to 1% pyrrhotite as irregular blebs associated with the calcite veinlet. Moderate gossaneous alteration. Sharp contacts. Core breaks readily parallel to the shear.	10693	13.43	14.48	1.05	0.02	1.6
17.15	20.00	5-8% carbonate veinlets, less than 1.0 cm in width, which occur periodically at 25.0 to 30.0 cm and which run parallel to shearing, which is parallel to the C.A. The veinlets are 50% altered by epidote, are barren of sulphide content						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		and are not continuous for more than 8.0 cm in length. The matrix is a carbonate rich, altered mafic groundmass with 30% chloritic pseudomorphs.						
20.76	23.43	Description as per 4.95 to 6.52 metres. 30% strongly epidote altered calcite veinlets, irregular and parallel to shearing which is parallel to the C.A. No visible sulphides.						
23.43	23.62	70% diffuse epidote/carbonate veinlets parallel to the C.A.						
24.14	25.64	Moderately to strongly sheared at 50 degrees to the C.A. Parallel to the shear are discontinuous, siliceous and chloritic-stained stringers, less than 0.20 cm in width, forming 20% of the interval. The stringers react mildly to acid indicating a weak carbonate component. Host to the stringers is a fine-grained mafic volcanic. Weak, patchy gossan is also associated with this interval. The core breaks readily along shear planes, and is blocky in places.	10094	24.14	25.64	1.50	0.02	1.1
25.64	29.36	Description as per 3.83 to 4.95 metres.						
29.00	30.92	Weakly to moderately sheared parallel to the C.A. Approximately 10.0 cm length pods of fragments consisting of chloritic pseudomorphs in a carbonate matrix. The long to short axis ratio of the pods is approximately 3:1. The pods comprise approximately 60% of the interval. The matrix is fine-grained with no visible sulphides.						
31.05	32.10	Description as per 29.00 to 32.10 metres. 3%, 0.3 cm wide carbonate veinlets and stringers of varying orientations. 90% of the stringers and veinlets are epidote altered.						
32.52	34.00	Description as per 31.05 to 32.10 metres. 3-5% carbonate/epidote stringers parallel to shearing, which is parallel to the C.A.						
34.00	34.96	Description as per 4.95 to 6.52 metres. Weakly brecciated and fracturing of chloritic pseudomorphs. No clear distinction between the carbonate matrix and the chloritic pseudomorphs and the fine-grained mafic matrix. Weak, patchy epidote alteration.						
34.96	37.52	Description as per 34.00 to 34.96 metres. Weak breccia developing a contrast between the carbonate matrix/chloritic pseudomorphs and a very fine-grained mafic matrix. No visible sulphides.						
37.52	37.80	Blocky, fractured core. Fracturing subparallel to the C.A.						
38.70	40.41	Moderately sheared at 25 degrees to the C.A. Carbonate matrix/chloritic pseudomorph fragments in a fine-grained mafic volcanic matrix. 5% dispersed weak epidote alteration. Interval is distinctive due to its slight change in shear from parallel to subparallel to the C.A., an its weak to moderate chloritic/carbonate alteration throughout the length of the interval. No visible sulphides.	10095	38.70	40.20	1.50	0.01	1.4
40.41	40.82	Description as per 38.70 to 40.41 metres. Blocky core.						
40.82	42.70	Interval is marked by 70%, less than 20.0 cm pods of non-sheared chloritic pseudomorphs and carbonate rich matrix. The host matrix is fine-grained and sheared parallel to the C.A. Although the contact between the pods and the fine-grained matrix is marked by strong epidote alteration, the contacts of the interval are gradational. No visible sulphides.						
42.70	43.33	Description as per 40.82 t 42.70 metres. Distinctive in that the interval hosts a 1.0 cm wide carbonate veinlet with weak epidote alteration parallel to shearing, which is subparallel to the C.A. No visible sulphides.						
43.33	47.20	Description as per 40.82 to 42.70 metres. 1% carbonate stringers at 80 degrees to the C.A. The core breaks across the carbonate stringers.						
47.20	48.23	Description as per 40.82 to 42.70 metres. 5% diffuse carbonate veinlets, less than 1.0 cm in width, running 32.0 cm in length and parallel to shearing which is parallel to the C.A. The carbonate veinlets are weakly epidote altered.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
48.23	48.35	Description as per 47.20 to 48.23 metres. Weakly gossaneous.						
48.35	49.85	Description as per 47.20 to 48.23 metres. 3-5% carbonate veinlets, at various orientations to the C.A., are strongly epidote altered. 2% quartz veinlets and stringers run parallel to shearing, which is parallel to the C.A. No visible sulphides.						
49.85	50.81	Description as per 24.14 to 25.64 metres. 50% of the interval is composed of fine quartz stringers, less than 0.2 cm in width. at 60 degrees to the C.A. Weakly carbonatized. Moderately sheared at 87 degrees to the C.A. Patchy, weak chloritic alteration and gossan. The lower contact is sharp at 60 degrees to the C.A.	10096	49.81	50.81	1.00	0.02	0.9
50.81	**53.75**	**VERY WEAKLY MINERALIZED QUARTZ VEIN (1956j2)** Moderately gossaneous throughout the interval. The interval is moderately sheared parallel to the C.A. and contains 10% mafic inclusions within the quartz, up to 2.0 cm in width, with the exception of one 0.30 m interval in which the mafic inclusion comprises 70% and the quartz 30%. 1-2% pyrrhotite and pyrite, in a 10:1 ratio, as fine disseminations and blebs. Moderate, patchy epidote and chlorite alteration associated with the mafic inclusions within the quartz vein.	10097 10098	50.81 52.31	52.31 53.75	1.50 1.44	0.14 0.02	0.9 0.9
53.75	**98.30**	**MAFIC VOLCANIC FLOW (6A7a1)** Description as per 2.12 to 50.81 metres. with 5-30% elongate quartz/chlorite veinlets, 0.10 to 0.20 cm in width, parallel to the C.A.						
53.75	54.07	40% milky green quartz veinlets, containing moderately chloritized mafic inclusions. The quartz veinlets are less than 1.0 cm in width, range from parallel to 20 degrees to the C.A. and have irregular contacts with the mafic volcanic. No visible sulphides. Trace to 1% carbonate within the veinlets.						
54.07	54.20	Moderately gossaned quartz vein containing 15% mafic inclusions. The vein is approximately 3.5 cm in width and contains trace disseminated pyrite. The vein is attenuated parallel to shearing at 20 degrees to the C.A.						
54.20	57.20	Moderately sheared at 15 degrees to the C.A. 20% quartz veinlets, 0.10 to 0.20 cm in width, subparallel to the C.A., containing occasional chloritic fragments	10099 10101	53.75 54.75	54.75 55.75	1.00 1.00	0.02 0.04	1.6 0.8
57.20	57.23	Boudinaged, 1.20 cm quartz vein strongly chloritic at the vein mafic volcanic contacts (chloritic halos). No visible contacts.						
57.23	59.15	Description as per 54.20 to 57.20 metres. Contains 30% quartz/chlorite veinlets, 0.10 to 0.20 cm in width, parallel to a moderate shear which is parallel to the C.A.						
59.15	61.53	Description as per 54.20 to 57.20 metres. 5%, 1.0 to 2.0 cm quartz veins parallel to moderate shearing parallel to the C.A. Veins are occasionally boudinaged, and strongly chloritic at their contacts with the mafic volcanic. 5% carboante stringers, less than 0.2 cm in width, parallel to the C.A. No visible sulphides.						
61.53	62.41	Description as per 59.15 to 61.53 metres with strong chloritic alteration and 10% carbonate within the matrix. No visible sulphides.						
62.41	63.82	Description as per 54.20 to 57.20 metres. Distinct 8.0 cm elongate siliceous fragment with chlorite pseudomorphs after hornblende. Moderately sheared parallel to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
63.32	64.17	Moderately sheared parallel to the C.A. 2% disseminations of chlorite and quartz.						
64.17	64.60	Strong chloritic alteration.						
64.60	64.80	Moderately sheared parallel to the C.A. 2% disseminations of chlorite and quartz.						
64.80	67.04	2% disseminated pyrrhotite associated with 30% quartz stringers, 0.1 to 0.2 cm in width parallel to the C.A. and moderate shearing.	10102	65.14	66.64	1.50	0.01	2.0
67.04	69.73	2% carbonate stringers, parallel to moderate shearing which is parallel to the C.A. Trace to 1% fine disseminations and blebs of pyrrhotite. 2% 0.20 cm quartz-carbonate blebs.						
69.73	73.26	Trace to 1% disseminated pyrrhotite.						
73.26	75.73	2% moderately gossaned carbonate veinlets at 60 degrees to the C.A., with trace disseminated pyrite.						
75.73	77.58	Moderately sheared parallel to the C.A. 2% disseminations of chlorite and quartz.						
77.58	79.73	30%, 1.0 to 2.0 cm quartz veins parallel to the C.A., occasionally boudinaged. Strong chloritic alteration at the contacts with the mafic volcanic. No visible sulphides.	10103	78.23	79.73	1.50	0.02	1.9
79.73	80.28	5% carbonate veinlets, 0.1 to 0.4 cm in width, at 50 degrees to the C.A.						
80.28	86.84	3-5%, 1.0 to 2.0 cm wide quartz veins parallel to the C.A. No visible sulphides. 2% disseminated chlorite after hornblende.						
86.84	88.17	Moderately sheared parallel to the C.A. 40% irregular blebs and stringers of chlorite (after hornblende) and quartz.						
88.17	98.30	30%, 1.0 to 2.0 cm quartz veins parallel to the C.A., occasionally boudinaged. 2% carbonate veinlets, 0.1 to 0.2 cm in width, at 50 degrees to the C.A.	10104 10105	87.14 96.35	88.27 96.00	1.13 1.65	0.01 0.03	2.0 1.8
98.30	**99.98**	**DIABASE DYKE (14j1)**						
		Fine-grained, dark black with 1% finely disseminated pyrrhotite. Both the upper and lower contacts are at 50 degrees to the C.A.						
			10106	98.50	99.50	1.50	0.01	1.6
99.98	**107.93**	**MAFIC VOLCANIC FLOW (6A7a1)**						
		Description as per 2.12 to 50.81 metres. Contains 30%, 1.0 to 2.0 cm quartz veinlets parallel to the C.A., occasionally sheared with strongly chloritic vein contacts.						
			10107	103.00	104.50	1.50	0.04	1.6
107.93	**107.93**	**END OF HOLE**						

HOLE NO.	GR90-1W	NORTHING	177	IH COMP. FROM	000	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
PROPERTY	GEORGIA RIVER	E-STING	+187	GRID ORIENT.	000								
LOCATION	NTS 103O/16W	ELEVATION	1331	DH GRID AZ.	030								
CLAIM NO.	GEORGIA	SURV. E.		DIP-COLLAR	-45								
TARGET	SAMP. 39982	SURV. N.		LENGTH (m)	79.85								
STARTED	SEPTEMBER 3.	LOGGED BY	E. GOVIARD	DRILL CO.	FALCON								
FINISHED	SEPTEMBER 3.	CHECKED BY	H. GRAY	DRILL NO.	1000								
SECTION		CORE	BQ TW	FOREMAN									
COMMENTS	SPERRY ILLEGIBLE												

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au FIRE ASSAY	Au FIRE ASSAY

SUMMARY

0.00	3.04	CASING
3.04	27.54	GRANODIORITE (9A4d1)
27.54	27.73	QUARTZ-CARBONATE VEIN (20a2)
27.73	30.61	GRANODIORITE (9A4d1)
30.61	36.42	MAFIC VOLCANIC FLOW (6A6a1)
36.42	39.12	GRANODIORITE (9A4d1)
39.12	40.39	MINERALIZED ZONE (9A4s5)
40.39	71.19	GRANODIORITE (9A4d1)
71.19	72.80	QUARTZ VEIN (19a1)
72.80	75.94	GRANODIORITE (952a1)
75.94	76.38	QUARTZ-CARBONATE VEIN (20a1)
76.38	77.90	GRANODIORITE (9A4a1)
77.90	79.85	QUARTZ-CARBONATE VEIN (20)
79.85	79.85	END OF HOLE

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Au_fire g_ton
0.00	**3.04**	**CASING**						
3.04	**27.54**	**GRANODIORITE (9A4d1)**						
		Dark to medium grey. Fine-grained aphanitic matrix (30%) with 60% plagioclase phenocrysts, generally which have been carbonatized, and 10% quartz, both of which are 0.20 to 0.30 cm in length and attenuated parallel to shearing. The shearing alternates between moderate and strong ranging from 40 to 60 degrees to the C.A. Strong shearing is indicated where plagioclase phenocrysts have been obliterated. Where moderate shearing occurs, phenocrysts are visible and attenuated parallel to the shearing. Less than 10% of the interval exhibits intense shearing. Carbonate metacrysts, less than 1.50 cm in length, comprise 5% of intervals which are intensely sheared. Alteration is weakly chloritic throughout, with patchy weak to moderate gossaneous alteration occurring associated with carbonatized plagioclase feldspar phenocrysts as well as with disseminated pyrite. 2% carbonate stringers and veinlets, up to 0.30 cm in width, generally parallel to shearing. 1-2% finely disseminate pyrite with scattered fine stringers, 0.10 to 0.20 cm in width. Pyrite is generally concentrated along shear planes.						
3.04	5.24	Very blocky core with 80% core recovery. Moderately sheared at 55 degrees to the C.A. Trace disseminated pyrite.						
7.85	10.15	Blocky core, no apperant core loss.						
10.69	12.77	Weakly sheared at 55 degrees to the C.A. 3% disseminated euhedral pyrite, less than 0.10 mm in diametre. Weakly carbonatized. Patchy, strong gossan and weak to moderately silicified.	10106	10.40	12.40	1.50	0.03	1.6
17.47	19.94	Moderately sheared at 60 degrees to the C.A. Shearing defined by attenuated siliceous feldspar phenocrysts, less than 0.30 cm in length and comprising 20% of the interval. Weak to moderately gossaned. Trace disseminations of pyrite.						
20.30	22.05	Moderately sheared at 55 degrees to the C.A. 30% carbonate metacrysts, up to 0.30 cm in length attenuated parallel to shearing. 3% multi-event carbonate stringers, 0.10 to 0.20 cm in width. The early carbonate stringers parallel shearing and are milky white in colour. The later carbonate stringers are strongly gossaneous, average 45 degrees to the C.A. and sinistrally offset, on a millimetre scale, the earlier carbonate veinlets. Trace to 1% disseminated pyrite.						
22.05	22.37	Moderately gossaned associated with a 1.0 cm quartz vein with upper and lower contacts at 85 and 80 degrees to the C.A. The quartz vein has irregular contacts with the granodiorite. Recrystallization of the matrix adjacent to the vein. The lower contact is sharp at 55 degrees to the C.A.						
			10109	24.00	25.50	1.50	0.01	1.7
27.54	**27.73**	**QUARTZ-CARBONATE VEIN (20a2)**						
		Vein contains 25% mafic inclusions, less than 1.0 cm in length which are attenuated at 50 degrees to the C.A. at the upper and lower vein contacts. Moderately gossaneous associated with the moderately chloritic mafic inclusions. 2% disseminated pyrite associated with the inclusions. The lower contact is sharp but irregular at 70 degrees to the C.A.						
27.73	**30.61**	**GRANODIORITE (9A4d1)**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Au uncor
		Description as per 3.04 to 27.54 metres.						
27.89	30.61	Strongly gossaneous throughout. Blocky core, with 62% core loss. Strongly sheared at 48 degrees to the C.A. 30% of the interval is comprised by quartz-carbonate stringers paralleling shearing at 50 degrees to the C.A. 1% finely disseminated pyrite. The lower contact is sharp at 50 degrees to the C.A.	10110 10111	27.89 28.50	28.50 29.04	0.73 0.54	0.02 0.04	0.2 0.8
30.61	**36.42**	**MAFIC VOLCANIC FLOW (6A6a1)**						
		Dark green, aphanitic to fine-grained matrix. Moderately chloritic throughout. Weak to moderately sheared at 50 degrees to the C.A. 2% elongate, needle-shaped carbonate stringers, 1.0 cm in length and 0.10 cm in width, parallel to shearing. 1% fine euhedral disseminations of pyrite, less than 0.10 cm in width, concentrated on shear planes. The lower contact is gradational.						
			10112	29.61	32.11	1.50	0.10	4.2
36.42	**39.12**	**GRANODIORITE (9A4d1)**						
		Description as per 3.04 to 27.54 metres.						
36.42	37.08	Strong shearing at 55 degrees to the C.A. 20% relict feldspar phenocrysts discernable. Shearing cut by 5%, 0.10 cm carbonate stringers at 70 degrees to the C.A. 1% disseminated pyrite concentrated along shear planes.						
37.08	37.26	Carbonate vein with upper and lower contacts at 50 and 70 degrees to the C.A., respectively. The vein contains 40% weakly chloritic irregular shaped mafic inclusions averaging 1.0 cm in length. 1% disseminated pyrite associated with the mafic inclusions.						
37.26	39.12	Strongly sheared at 70 degrees to the C.A. 20% relict feldspar phenocrysts. 3% carbonate stringers, 0.10 to 0.20 cm in width, parallel to shearing at 70 degrees to the C.A. The lower contact is obscured by strong gossaneous alteration.	10114 10115	38.09 37.90	37.90 39.11	1.21 1.21	0.26 0.05	1.3 1.9
39.12	**40.39**	**MINERALIZED ZONE (9A4s5)**						
		Mineralized zone occurs in a strongly sheared granodiorite which is sheared at 60 degrees to the C.A. Light grey matrix with 15% granular phenocrysts of feldspar. 10%, 0.10 to 0.80 cm wide carbonate veinlets parallel to shearing at 60 degrees to the C.A. 5% elongate chloritic needles attenuated parallel to shearing. 5% pyrite, galena and chalcopyrite in a 4:3:1 ratio. The sulphides occur as fine euhedral crystals, less than 0.20 cm in diametre, concentrated along shear planes forming veins 1.0 to 2.0 cm in width, which occur at 5.0 cm intervals. The sulphide veins are strongly gossaneous. The lower contact is gradational over 0.10 metres and is marked by a sharp decrease in the underlying unit.						
			10116	39.11	40.39	1.28	1.08	43.0
40.39	**71.19**	**GRANODIORITE (9A4d1)**						
		Description as per 3.04 to 27.54 metres.						
40.39	41.64	Strongly sheared at 60 degrees to the C.A. Medium grey colour. 70% phenocrysts of plagioclase feldspar, 0.20 to 0.40 cm in diametre. 5% carbonate veins, 1.0	10117	40.39	41.58	1.19	0.21	13.7

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
		cm in width, parallel to shearing at 60 degrees to the C.A. Carbonate veins contain 20% chloritic inclusions. Weakly chloritic throughout. 1% finely disseminated pyrite.						
41.64	45.35	90% plagioclase feldspar phenocrysts. Moderately sheared at 55 degrees to the C.A. 1-2% carbonate veinlets, up to 0.80 cm in width paralleling the shear at 55 degrees to the C.A.	10118	41.68	42.90	1.22	0.01	1.7
45.35	46.46	Strongly sheared at 53 degrees to the C.A. Shearing obliterates the majority of plagioclase feldspar phenocrysts, only 5% phenocrysts present. 2% carbonate veinlets, up to 0.70 cm in width, parallels shearing.						
46.46	47.55	Moderately sheared at 60 degrees to the C.A. Weakly gossaneous. 1% fine disseminations of pyrite.						
47.55	49.95	Strongly sheared at 65 degrees to the C.A. 10% plagioclase feldspar phenocrysts present. 2% carbonate veinlets, up to 0.70 cm in width, parallel to shearing. 1-2% disseminations and fine stringers, 0.10 to 0.20 cm in width, of pyrite concentrated on shear planes.	10119	47.22	48.42	1.20	0.01	1.3
49.95	50.97	Moderately sheared at 60 degrees to the C.A. 90% plagioclase feldspar phenocrysts present. 1-2% disseminations and fine pyrite stringers, 0.10 to 0.20 cm in width, concentrated on shear planes.						
50.97	52.90	Strongly sheared at 70 degrees to the C.A.						
52.90	54.15	Moderately sheared at 65 degrees to the C.A. Alternating 10.0 cm horizons in which 50% to 2-3% plagioclase feldspar phenocrysts are visible. Weakly gossaneous. 1% fine disseminations and stringers (less than 0.20 cm in width) of pyrite concentrated on shear planes.	10120	52.15	53.65	1.50	0.01	0.7
54.15	54.28	Blocky core, no apparent core loss.						
54.28	54.97	Moderately sheared at 70 degrees to the C.A.						
54.97	55.48	Strongly sheared at 75 degrees to the C.A. Fine-grained plagioclase feldspar phenocrysts comprise 5-7% of the interval.						
55.48	57.59	Moderately sheared at 70 degrees to the C.A. Patchy, weak gossan. 1% fine disseminations of pyrite.						
57.59	58.34	Strongly sheared at 85 degrees to the C.A. 3% carbonate metacrysts, less than 0.60 cm in diametre. Weakly chloritic. Trace fine disseminations of pyrite.						
58.34	58.49	Blocky core.						
59.10	59.87	3% carbonate metacrysts, less than 1.0 cm in diametre.						
59.87	61.16	Intensely sheared at 62 degrees to the C.A. 5% plagioclase feldspar phenocrysts 5% carbonate metacrysts, 0.20 to 0.30 cm in diametre, attenuated parallel to shearing. Trace fine disseminations of pyrite.	10121	59.00	60.50	1.50	0.01	1.3
61.16	62.49	Moderately sheared at 70 degrees to the C.A. 60% of the interval is composed of plagioclase feldspar phenocrysts. 5% carbonate veinlets, up to 0.20 cm in width, at 70 degrees to the C.A.						
62.49	64.80	Moderately sheared at 70 degrees to the C.A. Broken, weakly gossaned core, but no apparent core loss. 10% plagioclase feldspar phenocrysts.						
65.20	66.46	Strongly sheared at 60 degrees to the C.A. No remenant plagioclase phenocrysts visible. 3% carbonate metacrysts, less than 1.0 cm in length, attenuated parallel to shearing. Trace disseminated pyrite.						
66.46	68.20	Moderately sheared at 75 degrees to the C.A.	10122	66.50	68.00	1.50	0.01	1.5
68.20	68.50	Blocky, fractured core.						
68.50	70.45	Moderately sheared at 80 degrees to the C.A. Weakly chloritic throughout. The last 7.0 cm on the interval is weakly gossaneous.						
70.45	71.19	Weakly sheared at 30 degrees to the C.A. Trace fine disseminations of pyrite. The lower contact is sharp at 70 degrees to the C.A.	10123	69.99	71.19	1.20	0.01	2.3

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/T	Au g/T
71.19	72.80	**QUARTZ VEIN (19a1)** 20% inclusions within the quartz vein, 60% of which are granodioritic up to 10.0 cm in length; and 50% of which are chlorite up to 2.0 cm in length. The vein is weakly fractured with the fractures in-filled by carbonate. The vein is weakly gossaneous and contains 1-2% disseminated pyrite. The lower contact is sharp at 70 degrees to the C.A.	10124	71.19	72.80	1.61	0.01	0.3
72.80	75.94	**GRANODIORITE (9S2a1)** Moderately sheared at 45 degrees to the C.A. 20% plagioclase feldspar phenocrysts, up to 0.30 cm in diametre. Patchy, weak gossan. 1% carbonate stringers, less than 0.20 cm in width, at 20 degrees to the C.A. Trace fine disseminations of pyrite. The lower contact is sharp at 45 degrees to the C.A.	10125	72.80	74.00	1.20	0.01	0.3
75.94	76.38	**QUARTZ-CARBONATE VEIN (20a1)** The vein contains 5% irregular shaped chloritic inclusions, up to 4.0 cm in length, and is weakly gossaneous. Trace fine disseminations of pyrite. The lower contact is sharp at 20 degrees to the C.A.						
76.38	77.90	**GRANODIORITE (9A4a1)** Moderately sheared at 60 degrees to the C.A. Patchy, weakly gossaned. 1% irregular shaped chloritic blebs, up to 1.50 cm in length. The lower contact is sharp at 10 degrees to the C.A.	10127	74.00	75.80	1.80	0.01	0.3
77.90	79.85	**QUARTZ-CARBONATE VEIN (20)** The vein contains 3% granodiorite inclusions, up to 8.0 cm in length. 10% chloritic inclusions, up to 2.0 cm in length. The vein is milky white in colour (buil quartz) and contains no sulphides. The hole was terminated in a quartz vein as the drill pad was deemed unsafe to continue drilling on. The vertical supports were on the verge of collapsing. Continuing the hole would have required the construction of a new drill pad. The original pad was shored up during drilling, but kept on listing on its supports.	10128 10129	77.80 79.10	79.10 79.85	1.30 0.75	0.01 0.01	0.3 0.3
79.85	79.85	**END OF HOLE**						

						Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
HOLE NO.	GR90.11	NORTHING	-147	CM CONF. BEAR	120								
PROPERTY	GEORGIA RIVER	EASTING	-100	GRID ORIENT.	000								
LOCATION	NTS 1u3D/16W	ELEVATION	1495.24	CM GRID AZ.	120								
CLAIM NO.	GEORGIA 1	SURV. E.	-103.19	DIP-COLLAR	-84								
TARGET	QTZ VN SYSTEM	SURV. N.	-145.72	LENGTH (m)	99.09								
STARTED	SEPTEMBER 5.	LOGGED BY	A. SASSO	DRILL CO.	FALCON								
FINISHED	SEPTEMBER 5.	CHECKED BY	A. BRAY	DRILL NO.	1u00								
SECTION	3+75	CORE	BQ TW	FOREMAN									
COMMENTS	SPERRY ILLEGIBLE												

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton

SUMMARY

0.00	4.56	CASING
4.56	42.66	GRANODIORITE (96611)
42.66	75.85	MAFIC VOLCANIC FLOW (6C7j1)
75.85	79.66	MINERALIZED QUARTZ-CARBONATE STRINGERS (20j4)
79.66	82.80	MAFIC VOLCANIC FLOW (6C7j1)
82.80	85.00	MINERALIZED ZONE (6C715)
85.00	90.02	MAFIC VOLCANIC FLOW (6C611)
90.02	92.46	MINERALIZED QUARTZ VEIN (19s5)
92.46	99.09	MAFIC VOLCANIC FLOW (6C7j1)
99.09	99.09	END OF HOLE

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**4.56**	**CASING**						
4.56	**42.66**	**GRANODIORITE (96611)**						
		Dark grey green, fine-grained groundmass with 2-4% plagioclase feldspar phenocrysts, 0.10 to 2.0 cm in diametre. Moderately silicified, weak to moderately chloritic with minor, weak epidote alteration of the plagioclase feldspar phenocrysts. 1-2% quartz-carbonate veinlets, 0.10 to 2.0 cm in width, ranging from 25 to 80 degrees to the C.A. Some veinlets contain inclusions of chlorite and epidote. Weak to moderate shearing at 45 degrees to the C.A. 1-2% pyrite and pyrrhotite as disseminations, blebs and occasional stringers concentrated along fracture planes parallel to shearing. The lower contact is sharp, strongly silicified and sericitized with increased mineralization, up to 4% pyrite, within the last 0.10 metre of the underlying unit.						
4.56	5.10	Blocky core.						
5.10	7.90	Light grey, medium grained, porphyritic. Fine-grained matrix with 10% plagioclase feldspar phenocrysts. Weak to moderately propylitic. 3% quartz-carbonate veinlets, 0.20 to 2.0 cm in width, at 45 degrees to the C.A. Trace pyrite and pyrrhotite associated with the veinlets and concentrated along micro-fractures.	10130 10131	5.10 6.50	6.50 7.90	1.40 1.40	0.21 0.07	0.9 0.6
7.90	10.66	Blocky core.						
10.66	17.41	Description as per 5.10 to 7.90 metres. Short 0.60 metre horizon of strong carbonatization of the plagioclase feldspar phenocrysts.						
			10132	16.29	19.89	1.50	0.02	0.7
14.80	21.20	15% quartz veinlets and veins, 0.20 to 5.0 cm in width, at 20 to 45 degrees to the C.A. Veinlets and veins contain epidote and chloritized mafic inclusions. 2-3% disseminations and blebs of pyrite within the granodiorite proximal to the quartz veinlets and veins and associated with the chloritized mafic inclusions within the veinlets and veins. Trace pyrrhotite as blebs associated with the chloritized mafic inclusions within the veinlets and veins.	10133	19.80	21.20	1.40	0.04	0.7
			10134	21.20	22.70	1.50	0.10	1.4
23.66	25.67	Moderate propylitic alteration. Weakly sheared at 45 degrees to the C.A. The core is blocky in places. 5% quartz-carbonate stringers, veinlets and veins ranging from 0.20 to 5.0 cm in width, at 15 to 45 degrees to the C.A. Trace disseminated pyrite and pyrrhotite.						
26.14	26.76	Moderate propylitic alteration haloes surrounding quartz-carbonate veinlets and veins, 0.30 to 3.0 cm in width, at 20 to 50 degrees to the C.A. The intensity and width of the alteration haloes increases with the size of the quartz veins. 1% disseminated pyrite and pyrrhotite usually associated with micro-fractures within the quartz veinlets and veins.	10135	27.00	28.50	1.50	0.01	0.7
32.42	35.50	4% plagioclase feldspar phenocrysts up to 2.0 cm in diametre. Weak to moderate assimilation of the phenocryst borders. 1-2% disseminations and blebs of pyrite and pyrrhotite. 2% quartz-carbonate veinlets, 0.10 to 1.0 cm in width, at 45 to 65 degrees to the C.A. Intersections of 0.10 mm cross-cutting carbonate veinlets marked by weak epidote alteration. One 1.0 cm quartz vein at 65 degrees to the C.A., surrounded by a propylitic alteration halo 4.0 to 5.0 cm on either side of the vein. Up to 4% disseminations and blebs of pyrite associated with the alteration halo.	10136	34.00	35.50	1.50	0.01	0.5
35.50	36.24	Two 1.0 cm carbonate veins at 55 degrees to the C.A. with massive pyrite and pyrrhotite concentrated within the veins. No alteration haloes. Absence of						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
		increased mineralization within the granodiorite.						
36.24	38.06	Moderate epidote alteration of plagioclase feldspar phenocrysts. Fracture at 45 degrees to the C.A. dextrally offsets a carbonate veinlet at 55 degrees to the C.A. 1% disseminations of pyrite and pyrrhotite.	10137 10138	35.50 36.50	36.50 38.00	1.00 1.50	0.02 0.02	1.3 0.8
40.11	40.15	5% disseminations of pyrite and pyrrhotite within weak propylitic alteration halo surrounding a 0.10 to 0.20 cm carbonate stringer at 55 degrees to the C.A.						
			10140 10141	39.25 41.16	40.75 42.66	1.50 1.50	0.24 0.12	0.6 1.8
42.66	**75.85**	**MAFIC VOLCANIC FLOW (6C7;1)**						
		Dark grey-green, fine-grained to aphanitic. Moderately sheared at 50 degrees to the C.A. Moderate to strong carbonatization. Weak chloritic alteration. 1% quartz-carbonate veinlets, 0.10 to 0.70 cm in width, at 35 to 45 degrees to the C.A. Trace disseminations of pyrite and pyrrhotite. 1-2% chlorite-carbonate filled fractures, 0.20 to 0.30 cm in width, subparallel to the C.A. with trace disseminations of pyrite.						
42.66	44.22	Altered, mineralized mafic volcanic at the contact with the overlying granodiorite. Color changes over the interval from buff-green at the contact becoming less green and progressively more pinkish-brown into the mafic volcanic. Fine-grained to aphanitic, moderately to strongly sheared at 50 degrees to the C.A. Moderately sericitized and weakly chloritic. Iron-carbonate alteration increases into the mafic volcanic. 3% quartz-carbonate stringers to veins, 0.20 to 2.0 cm in width, at 50 degrees to the C.A. 5% disseminated pyrite and pyrrhotite. Locally up to 10-15% over horizons less than 3.0 cm, associated with the quartz-carbonate stringers and veins.	10142	42.66	44.22	1.56	0.32	3.5
			10143 10144	44.22 45.34	45.72 46.84	1.50 1.50	0.03 0.03	1.9 1.7
46.84	50.70	Pervasive silicification. 4% quartz-carbonate veinlets and veins, 0.30 to 4.0 cm in width, at 50 degrees to the C.A. 3-4% pyrrhotite as disseminations, stringers and blebs. 5-6% disseminations, stringers and blebs of pyrite.	10145 10146	46.84 48.77	48.77 50.70	0.93 0.93	0.02 0.16	1.7 3.6
50.70	58.04	Strong carbonatization of the matrix. 2% epidote alteration of plagioclase phenocrysts. Strongly sheared at 35 degrees to the C.A. 3-4% carbonate veinlets, with wispy irregular contacts, 0.20 to 0.50 cm in width. Anastomosing attitudes of the veinlets at all angles to the C.A. 1-2% disseminations and blebs of pyrite and pyrrhotite.	10147	50.70	52.20	1.50	0.02	1.8
58.04	58.60	Blocky core.						
58.60	61.76	Mottled white and green, fine-grained. Strongly sheared at 45 degrees to the C.A. Strong carbonatization of the matrix. Less than 1% carbonate stringers up to 0.30 cm in width, at 45 degrees to the C.A. Trace pyrite associated with the carbonate stringers. Core tends to fracture along the carbonate stringers.	10148	58.50	60.10	1.50	0.05	2.6
61.76	63.00	Blocky core.						
63.00	65.88	Brecciated mafic volcanic. Fine-grained matrix, with strong shearing at 45 degrees to the C.A. Moderate chloritic alteration and weak carbonatization of the matrix. 4% type A xenoliths (white-grey, carbonate rich matrix with 0-30% chloritic pseudomorphs after hornblende and sheared and assimilated boundaries) and 1-2% strongly sericitized type B xenoliths (fine-grained to aphanitic, weak carbonatization, subangular with sharp boundaries and usually surrounded by carbonate pressure shadows extended parallel to shearing). 1-2% carbonate stringers, up to 0.30 cm in width, at 20 to 55 degrees to the C.A. Trace						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	g/t Au	g/t Au
		disseminated pyrite and pyrrhotite.						
65.88	66.77	Blocky core.	[illegible]	66.77	67.25	0.50	[illegible]	[illegible]
69.50	69.75	Massive pyrrhotite veinlet, 0.60 cm wide, at 30 degrees to the C.A., associated with 5% carbonate stringers and 2-3% disseminated pyrite.						
			191150	69.25	70.00	0.75	0.92	1.4
			191151	70.00	71.50	1.50	0.42	3.3
71.50	72.00	Blocky core. 15% crumbly carbonate vein material with 4% disseminated pyrite.						
			191152	74.35	75.85	1.50	0.61	3.3
75.85	**79.66**	**MINERALIZED QUARTZ-CARBONATE STRINGERS (20j4)**						
75.85	77.85	Strong carbonate alteration and strong shearing at 50 degrees to the C.A. Carbonatization occurs as 50-60% carbonate-quartz stringers and veinlets parallel to shearing. 4-5% disseminations, blebs and stringers of pyrite and pyrrhotite.	[illegible]	75.85	76.85	1.00	[illegible]	2.1
			191155	76.85	77.85	1.00	0.11	2.6
77.85	78.66	50-60% quartz-carbonate stringers and veinlets parallel shearing at 50 degrees to the C.A. 6% disseminations, blebs and stringers of pyrite. 2% pyrrhotite as disseminations.	191156	77.85	78.66	0.81	0.41	3.3
78.66	79.66	50-60% carbonate-quartz stringers and veinlets parallel to shearing at 50 degrees to the C.A. 4-5% disseminations, blebs and stringers of pyrite and pyrrhotite.	191157	78.66	79.66	1.00	0.15	2.6
79.66	**82.80**	**MAFIC VOLCANIC FLOW (6C7j1)**						
		Description as per 63.00 to 65.88 metres.						
81.09	82.80	Blocky core.	[illegible]	79.66	81.16	1.50	[illegible]	[illegible]
			[illegible]	81.16	82.80	1.64	[illegible]	[illegible]
82.80	**85.00**	**MINERALIZED ZONE (6C715)**						
		Mafic volcanic flow.						
82.80	84.13	Strong carbonate alteration. Strong shearing subparallel to the C.A. 4-5% disseminations and blebs of pyrite and pyrrhotite.	[illegible]	82.80	84.13	1.33	[illegible]	[illegible]
84.13	84.56	20% quartz flooding and veining subparallel to the C.A. 6-7% disseminations, blebs and stringers of pyrite. 2% blebs of pyrrhotite.	[illegible]	84.13	84.56	0.43	[illegible]	[illegible]
84.56	85.00	Blocky core.	[illegible]	84.56	85.00	0.44	0.95	4.8
85.00	**90.02**	**MAFIC VOLCANIC FLOW (6C611)**						
		Medium grey, fine-grained to aphanitic matrix with carbonate replacement of plagioclase phenocrysts. Moderately sheared subparallel to the C.A. Moderate carbonatization, weak chloritic alteration. 1% carbonate veinlets, 0.10 to 0.40 cm in width, at 45 degrees to subparallel to the C.A. 1% finely disseminated pyrite and pyrrhotite.						
			[illegible]	85.00	86.50	1.50	[illegible]	[illegible]
			[illegible]	86.50	87.70	1.20	[illegible]	[illegible]
87.70	90.02	Light grey-green, fine-grained to aphanitic. Strongly sheared subparallel to the C.A. Strongly sericitized, moderately to strongly carbonatization of the	191156	87.70	88.86	1.16	2.20	4.9
			191157	88.86	90.02	1.16	0.21	2.1

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Cu %
		matrix, and weak chloritic alteration. Trace fuchsite. 4% quartz-carbonate stringers to veins, up to 9.0 cm in width, at 40 degrees to the C.A. 2-3% disseminations of magnetite in the quartz veins. 1-2% disseminations and blebs of pyrite, locally up to 10% pyrite over short horizons less than 0.10 metres in core length.						
90.02	**92.46**	**MINERALIZED QUARTZ VEIN (19s5)**						
90.02	91.15	Milky white quartz vein with upper and lower contacts at 45 degrees to the C.A. The vein contains 4% disseminations, blebs and stringers of pyrite.						
91.17	91.50	Three parallel 5.0 cm milky white quart veins, with upper and lower contacts at 45 degrees to the C.A. The veins average 3% pyrite, 2% pyrrhotite and trace galena as fine disseminations.	10168	90.02	91.50	1.48	3.71	0.0
92.16	92.46	Milky white quartz vein with upper and lower contacts at 45 degrees to the C.A. The vein contains 2% pyrrhotite, 2% pyrite, 1% galena and trace chalcopyrite as fine disseminations.						
92.46	**99.09**	**MAFIC VOLCANIC FLOW (6C7ji)**						
		Description as per 42.66 to 75.85 metres.						
92.46	99.09	Blocky core.	10169	91.50	93.00	1.50	23.60	11.2
			10170	93.00	94.50	1.50	0.22	0.3
99.09	**99.09**	**END OF HOLE**						

BOND GOLD CANADA INC. DIAMOND DRILL HOLE REPORT

HOLE NO.	GF90-12	NORTHING	-147	ON CONF. ZE/W	12+	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
PROPERTY	GEORGIA RIVER	EASTING	-10+	GRID ORIENT.	+0	(m.)	-	?					
LOCATION	MTS 1030/16W	ELEVATION	1065.83	ON GRID AZ.	12+								
CLAIM NO.	GEORGIA 1	SURV. E.	-104.14	DIP-COLLAR	-57								
TARGET	QTZ VNS SYSTE	SURV. N.	-145.06	LENGTH (m)	126.13								
STARTED	SEPTEMBER 0,	LOGGED BY	A. SASSO	DRILL CO.	FALCON								
FINISHED	SEPTEMBER 6,	CHECKED BY	A. BRAY	DRILL NO.	1090								
SECTION	3+75	CORE	BQ TW	FOREMAN									
COMMENTS	NO TEST												

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton

SUMMARY

0.00	4.56	CASING
4.56	40.50	GRANODIORITE (96611)
40.50	110.28	MAFIC VOLCANIC FLOW (6A5j1)
110.28	111.61	MINERALIZED QUARTZ VEIN (19a5)
111.61	126.13	MAFIC VOLCANIC FLOW (6A5j1)
126.13	126.13	END OF HOLE

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/tonne	Ag g/tonne
0.00	**4.56**	**CASING**						
4.56	**40.50**	**GRANODIORITE (96611)**						
		Dark grey-green, brownish in places. Fine to medium grained, with 1-2% plagioclase phenocrysts, 0.10 to 1.0 cm in diametre. Moderately silicified, weakly chloritic and minor epidote alteration of the plagioclase phenocrysts. Short horizons that are weakly propylitic. 1-2% quartz-carbonate stringers and veins, 0.10 to 2.0 cm in width, at 25 to 60 degrees to the C.A. Weak to moderately sheared at 45 degrees to the C.A. 1% disseminations, blebs and scattered stringers of pyrite and pyrrhotite. Sulphide content locally up to 7% over short intervals less than 0.10 cm in width. The lower contact is sharp, fine-grained and moderately sheared.						
4.56	7.25	Blocky and highly fractured core.						
7.25	8.85	Strong propylitic alteration. Light grey-green, medium grained, porphyritic (fine-grained groundmass) with 5% sausseritized plagioclase phenocrysts. Weak carbonatization of the matrix. Trace fuchsite. Trace 0.10 cm carbonate stringers at 30 degrees to the C.A. 1% pyrite and pyrrhotite as blebs concentrated along fracture planes at 50 degrees to the C.A.	10171	7.35	8.85	1.50	0.10	0.5
8.85	9.85	Quartz-carbonate vein, at 45 degrees to the C.A. 4%, 0.10 to 0.50 cm vugs. Milky white with strong sericitized inclusions of granodiorite. Trace pyrite, pyrrhotite and galena.	10172	8.85	9.85	1.00	0.08	0.7
9.85	11.27	Description as per 7.25 to 8.85 metres. Mineralized alteration halo surrounding 0.80 cm carbonate veinlet, at 35 degrees to the C.A., with up to 3% very fine disseminated pyrite and pyrrhotite 5.0 cm on either side of the veinlet. The veinlet is at 10.46 metres. At 11.25 metres, a 2.0 cm quartz-carbonate vein at 45 degrees to the C.A. containing 1-2% blebs and stringers of pyrite and pyrrhotite.						
11.27	11.55	Blocky core.						
11.55	11.75	Zone of quartz-carbonate stringers at 45 degrees to the C.A. 1-2% pyrite and pyrrhotite as small blebs and stringers within the quartz-carbonate stringers.	10173	9.85	11.75	1.90	0.01	0.3
11.75	14.59	Description as per 7.75 to 8.85 metres. Zone of quartz-carbonate-pyrite-galena-pyrrhotite stringers, up to 0.5 cm in width, at 45 degrees to the C.A.	10174 10175	11.75 13.25	13.25 14.59	1.50 1.34	0.02 0.02	1.8 1.0
14.59	17.47	Weak propylitic alteration. Medium grey-green, medium grained porphyritic with 5% moderately sausseritized plagioclase phenocrysts. Weak carbonatization of the matrix. 3-4% carbonate stringers and veins, up to 2.0 cm in width, sub-parallel to 45 degrees to the C.A. 1% epidote associated with the veins. 1-2% blebs and disseminations of pyrite and pyrrhotite within the veins.	10176 10177	14.59 16.03	16.03 17.47	1.44 1.44	0.01 0.16	0.8 0.8
17.47	19.09	Blocky and fractured core.						
19.09	21.08	Description as per 7.25 to 8.85 metres.						
21.08	21.50	Blocky core.						
21.50	22.00	Strong carbonatization of plagioclase phenocrysts. 2-3% quartz-carbonate-pyrite-pyrrhotite stringers and veinlets, up to 0.8 cm in width, at 25 to 53 degrees to the C.A. Pyrite and pyrrhotite occurs as fine stringers and blebs within the quartz-carbonate stringers and veinlets.						
22.00	24.00	Dark grey-green, fine to medium grained. 1-2% plagioclase phenocrysts, weakly sausseritized. 1% quartz-carbonate stringers, up to 0.50 cm in width, at 50 degrees to the C.A. Weakly sheared at 45 degrees to the C.A. 1% disseminations, blebs and fine wisps of pyrite and pyrrhotite within the quartz-carbonate stringers.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
24.00	28.00	Blocky and fractured core.						
28.54	28.77	2.50 cm quartz-carbonate vein at 15 degrees to the C.A. The vein contains 1-2% wisps and blebs of pyrite and pyrrhotite.						
28.77	31.80	Description as per 22.00 to 24.00 metres.						
31.80	32.66	Blocky quartz-carbonate vein, approximately 10.0 cm in width, surrounded by a strong propylitic alteration halo. Smaller quartz-carbonate stringers, at 25 degrees to the C.A., contain 1% disseminations and wisps of pyrite and pyrrhotite. The larger quartz vein is barren of sulphides, as is its alteration halo.						
32.66	32.82	1.0 cm massive sulphide vein, at 25 degrees to the C.A. 10% galena, trace pyrrhotite and trace sphalerite.	13179	31.80	32.82	1.02	1.48	1.4
32.82	35.89	Description as per 22.00 to 24.00 metres.	13180	32.82	34.32	1.50	0.46	1.4
35.87	36.44	Blocky and fractured core.						
36.44	39.80	Description as per 22.00 to 24.00 metres. 2-3% quartz-carbonate veinlets, up to 0.80 cm, at 50 degrees to the C.A. Weak to moderate shearing at 60 degrees to the C.A. 1-2% disseminations, blebs and wisps of pyrite and pyrrhotite.						
39.80	40.50	Strongly sheared at 50 degrees to the C.A. 1% quartz-carbonate veinlets, 0.20 to 1.2 cm in width, at 35 degrees to the C.A. Moderately carbonatized and chloritic. 2% disseminations and blebs of pyrite and pyrrhotite. The lower contact is sharp at 35 degrees to the C.A.	13181	39.00	40.50	1.50	0.03	1.2
40.50	**110.28**	**MAFIC VOLCANIC FLOW (6A5j1)**						
		Brecciated mafic volcanic. 10% flattened, elongated breccia fragments attenuated along strong shearing at 30 degrees to the C.A. The borders of the fragments are assimilated and sheared. 1-2% angular breccia fragments with carbonate pressure shadows along shearing. Moderate carbonatization of plagioclase phenocryst which are flattened and stretched parallel to the shearing. Weak to moderate chloritic alteration. 1-2% quartz-carbonate stringers and veinlets, up to 0.80 cm in width, at 20 to 30 degrees to the C.A. 1-2% disseminations and blebs of pyrite and pyrrhotite.						
40.50	41.67	Strongly silicified and sericitized contact zone with the overlying granodiorite. Strongly sheared at 30 degrees to the C.A. Buff coloured, fine-grained to aphanitic. 1-2% fuchsite. Moderately carbonatized. 1% quartz-carbonate veinlets and veins, up to 4.0 cm in width. 5% pyrite as stringers and disseminations. 1% disseminated pyrrhotite.	13182	40.50	41.67	1.17	0.22	1.1
			13183	41.67	43.17	1.50	0.02	1.7
			13184	43.17	44.67	1.50	0.01	2.3
46.77	47.00	Weak to moderately sericitized, weakly carbonatized and weakly silicified. 3% quartz-carbonate veinlets, up to 1.0 cm in width, at 50 degrees to the C.A. 4% disseminations and blebs of pyrite, 1-2% disseminated pyrrhotite, trace fuchsite.						
47.33	47.93	5% quartz-carbonate veining.	13185	46.67	47.93	1.26	0.32	4.3
			13186	47.93	48.93	1.00	0.01	3.0
48.93	49.26	5% quartz-carbonate veining.						
49.80	50.19	Description as per 46.67 to 47.00 metres. 5% quartz-carbonate veining.	13187	48.93	50.19	1.26	0.02	2.3
			13188	50.19	51.24	1.05	0.03	2.6
51.24	52.43	Blocky and fractured core.						
52.43	53.45	3% quartz-carbonate stringers, up to 0.50 cm in width, at 50 degrees to the C.A. 3% disseminations, blebs and wisps of pyrite and pyrrhotite.	13189	52.43	53.45	1.02	0.30	1.8

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/T	Ag g/T
53.43	53.77	Quartz-carbonate vein at 35 degrees to the C.A. 3% disseminations and blebs of pyrite and pyrrhotite.						
			10190	53.45	54.45	1.00	0.04	1.1
56.69	58.84	3.0 cm wide quartz-carbonate vein at 50 degrees to the C.A. 4% disseminations and blebs of pyrrhotite.	10192	56.04	57.54	1.50	0.01	1.1
58.84	60.36	Strongly sheared at 50 degrees to the C.A. 12% flattened and strecned breccia fragments (with assimilated and sheared bouncaries) and 3% angular breccia fragments. 2-3% quartz-carbonate stringers, up to 0.5 cm in width, at 35 to 60 degrees to the C.A. Trace pyrite and pyrrhotite.						
64.66	66.06	Imbricated, flattened and stretched breccia fragments (with sheared and assimilated borders) at 35 degrees to the C.A. 1-2% quartz-carbonate stringers up to 0.30 cm in width, at 35 degrees to the C.A.						
66.08	66.86	Weak to moderate sericitization, weak silicification and carbonatization. 1-2% quartz-carbonate stringers, up to 0.30 cm in width, at 45 to 60 degrees to the C.A. Trace pyrite and pyrrhotite.						
66.86	71.46	Fine-grained, strongly sheared at 40 degrees to the C.A. Brecciated with breccia fragments almost completely assimilated. 1-2% carbonate stringers, as fracture filling, up to 0.40 cm in width at all angles to the C.A. 2% disseminated pyrite and pyrrhotite associated with the carbonate fracture in-filling.	10193	66.25	66.75	1.50	0.02	2.3
71.46	75.14	10% anastomosing carbonate stringers and carbonate rich matrix, with 2-3% chloritized hornblende phenocrysts. Carbonate stringers cross-cut by later stage quartz-carbonate stringers, at 35 degrees to the C.A., but which do not offset the earlier carbonate stringers. 1-2% disseminations, blebs and wisps of pyrite and pyrrhotite.	10194	73.47	74.97	1.50	0.01	2.7
75.14	75.80	Quartz-carbonate veining at 30 degrees to the C.A. 3% disseminations and stringers of pyrite and pyrrhotite.						
75.80	79.00	Description as per 71.46 to 74.14 metres.	10195	74.97	75.97	1.00	0.01	2.6
			10196	75.97	77.47	1.50	0.01	2.9
79.00	79.63	Weakly sericitic and carbonatized. 1% carbonate veinlets, up to 0.50 cm in width, at 30 degrees to parallel to the C.A. Trace disseminated pyrite and pyrrhotite.						
			10197	80.50	82.00	1.50	0.02	1.8
			10198	82.00	83.50	1.50	0.01	2.7
89.28	92.06	Brecciated. Fine-grained to aphanitic matrix. Dark black-green with 1% flattened, stretched breccia fragments (with assimilated and sheared borders) and 10% subangular breccia fragments with sharp borders. Weakly sheared at 60 degrees to the C.A. 1% carbonate stringers, up to 0.50 cm in width, at 40 degrees to the C.A. Trace disseminated pyrite and pyrrhotite.						
92.62	100.44	Brecciated. Fine-grained to aphanitic matrix, medium grey-green in colour. 10% breccia fragments with sharp, angular borders (up to 5.0 cm in diametre) and 1-2% rounded breccia fragments with weakly assimilated borders (up to 12.0 cm in length). Weak carbonatization of the matrix, moderate silicification and weak chloritic alteration. Less than 1% carbonate stringers, 0.10 to 0.20 cm in width, at 50 degrees to the C.A. Trace pyrite and pyrrhotite.	10199	97.00	98.50	1.50	0.01	2.6
100.44	106.33	Description as per 89.28 to 92.06 metres.						
106.33	106.58	Zone of quartz-carbonate veining at 40 degrees to the C.A. 4% disseminations, blebs and wisps of pyrite and pyrrhotite.						
			10200	105.50	107.25	1.75	0.01	1.6
107.82	108.60	Zone of quartz-carbonate veining. 3% disseminations and blebs of pyrite and pyrrhotite.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	AU g/ton	Au g/ton
			10201	107.25	108.75	1.50	0.01	1.0
			10202	108.75	110.28	1.53	0.2	0.7
110.28	**111.61**	**MINERALIZED QUARTZ VEIN (19a5)**						
		Upper and lower contacts at 55 and 60 degrees to the C.A., respectively. Silicified quartz vein system. Multi-event interval: silicified mafic volcanic fragments resulting from brecciation, less than 10.0 cm in length, comprising 65% of the interval, with irregular contacts. 35% of the interval is quartz veining at variable angles to the C.A. 5% pyrite occurs as euhedral crystals, less than 0.10 cm in size, along fracture planes at irregular angles to the C.A. The pyrite is concentrated within the volcanic fragments. Later stage quartz veinlets are barren, and result in further brecciation suggesting that the mineralization occurred prior to the later incursion of quartz into the system. The alteration is strong silicification with weak localized epidote alteration of the mafic inclusions. The quartz is predominately a bluish-grey colour.						
			10203	110.28	111.61	1.33	0.20	2.6
111.61	**126.13**	**MAFIC VOLCANIC FLOW (6A5j1)**						
		Description as per 40.30 to 110.28 metres.						
			10205	111.61	113.11	1.50	0.03	2.1
			10206	113.11	114.61	1.50	0.1	1.9
			10207	114.61	116.11	1.50	0.01	2.1
116.61	121.90	Dark black-green, brecciated. Moderately sheared at 35 degrees to the C.A. Fine-grained to aphanitic matrix with 4-5% breccia fragments with assimilated and sheared borders. 2-3% angular breccia fragments with sharp borders. 2% quartz-carbonate veinlets, up to 0.60 cm in width, at 30 degrees to the C.A. Weak carbonatization of the matrix. Weak chloritic alteration. 1% blebs and disseminations of pyrite and pyrrhotite.	10208	117.50	119.00	1.50	0.01	1.8
121.90	124.01	Mottled green and white. Fine-grained to aphanitic. Moderately sheared at 35 degrees to the C.A. Less than 1% carbonate stringers, up to 0.30 cm in width, at 25 degrees to the C.A. Strong carbonatization, moderate to strong chloritic alteration. 1-2% finely disseminated pyrite and pyrrhotite.	10209	122.50	124.01	1.51	0.1	3.4
124.01	126.13	Core is broken and ground into sections 15.0 cm and less in length. Fractured with sinistral offsets of 0.10 carbonate veinlets subparallel to the C.A. 2-3% fine disseminations of pyrite associated with the carbonate stringers. Trace disseminations of pyrrhotite.	10210	124.01	125.01	1.00	0.02	2.6
			10211	125.01	126.13	1.12	0.08	3.4
126.13	**126.13**	**END OF HOLE**						

BOND GOLD CANADA INC. DIAMOND DRILL HOLE REPORT

HOLE NO.	GR90.13	NORTHING	-120	LH COMP. BEAR	113	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
PROPERTY	GEORGIA RIVER	EASTING	-100	GRID ORIENT.	300	94.2	- 54						
LOCATION	NTS 103D/12W	ELEVATION	1073.77	LH GRID NO.	120								
CLAIM NO.	GEORGIA 1	SURV. E.	-98.98	DIP-COLLAR	-55								
TARGET	QTZ VN SYSTEM	SURV. N.	-122.74	LENGTH (m)	115.80								
STARTED	SEPTEMBER 7,	LOGGED BY	C. BOVAIRD	DRILL CO.	FALCON								
FINISHED	SEPTEMBER 7,	CHECKED BY	A. GRAY	DRILL NO.	1000								
SECTION	4+00	CORE	BQ TW	FOREMAN									
COMMENTS													

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton

SUMMARY

0.00	4.56	CASING
4.56	28.51	MAFIC VOLCANIC FLOW (6A6j1)
28.51	30.33	MINERALIZED QUARTZ-CARBONATE BRECCIA (2015)
30.33	92.76	MAFIC VOLCANIC FLOW (6C7j1)
92.76	92.87	MINERALIZED QUARTZ VEIN (19j4)
92.87	96.49	MAFIC VOLCANIC FLOW (6C7d2)
96.49	97.45	FAULT GOUGE (F.Z.)
97.45	98.04	MINERALIZED QUARTZ VEIN (19a5)
98.04	98.48	FAULT GOUGE (F.Z.)
98.48	115.80	MAFIC VOLCANIC FLOW (6A6a1)
115.80	115.80	END OF HOLE

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/T	Ag g/T
0.00	**4.56**	**CASING**						
4.56	**28.51**	**MAFIC VOLCANIC FLOW (6A6;i)**						
		Dark-grey, locally brownish due to carbonate alteration. Fine to medium-grained with 20% chloritic phenocrysts after hornblende. The phenocrysts are less than 0.20 mm in width. Weak foliation at 30 degrees to the C.A. 5% carbonate stringers, up to 0.50 cm in width, at all orientations to the C.A. Moderate chloritic alteration. Carbonate stringers contain chloritic inclusions. 5% milky white quartz veins, less than 10.0 cm in width, averaging 45 degrees to the C.A. Strong chloritic alteration associated with the quartz veining. Intercalated with the mafics is 5% argillitic sediments with bedding generally between 45 and 50 degrees to the C.A. 30% of the interval is brecciated, with fragments generally less than 4.0 cm in length and with very irregular borders. Trace to 1% disseminated pyrite and pyrrhotite. The pyrrhotite only occurs as fine disseminations within the quartz veins and not within the mafics. Carbonate alteration is moderate and patchy.						
4.56	4.81	Blocky core. Minor grinding but no apparent core loss.						
5.28	5.10	Blocky core. Minor grinding but no apparent core loss.						
9.10	9.85	Brecciated horizon. Sharp upper and lower contacts at 80 and 60 degrees to the C.A., respectively. The degree of carbonate alteration diminishes 5.0 cm on either side of the contacts and is concentrated as a strong alteration feature in the brecciated zone. The horizon is characterized by a brown colour as a result of the alteration. Breccia fragments within this horizon are characterized by the presence of 40% chlorite pseudomorphs after pyroxene, less than or equal to 4.0 cm in length. 80% of the interval is composed of breccia fragments with very irregular borders.						
10.20	10.80	Two 10.0 cm wide brownish carbonate zones comprising 60% of the interval. The alteration is gradational.						
11.13	11.30	The horizon is characterized by 70% brecciated argillitic sediment fragments, averaging 4.0 cm in length. Bedding is preserved within the argillitic fragments.						
11.30	12.55	Brecciated horizon with a gradational upper contact marked by a 5.0 cm carbonatized zone grading into a 4.0 cm chloritized zone. A gossaneous 10.0 cm horizon marks a sharp lower contact at 70 degrees to the C.A. Within the interval, there are 60% breccia fragments (less than or equal to 10.0 cm in length), with 40% chloritic pseudomorphs after pyroxene. The alteration is strongly carbonate resulting in a brownish colour. A moderate shear at 50 degrees to the C.A. has developed carbonate stringers which make up 5% of the interval. Apart from the 5 or 6 carbonate stringers, 95% of the carbonate is concentrated in one 10.0 cm vein which is distinctive due to its crystalline cavity (less than or equal to 3.0 cm in width). The vein is barren and adjacent to the lower gossaneous contact. 50% of the core is broken and blocky.						
12.55	17.05	Moderate to weak shearing at 50 degrees to the C.A. 20% of the interval is composed of argillitic sediments, with bedding parallel to shearing, less than or equal to 10.0 cm in width. The sediment horizons are seperated by a weak to moderately sheared mafic volcanic breccia, generally averaging 0.70 metres in length. The fragments within the breccia are a maximum of 2.0 cm in length, have irregular borders and comprise 70% of the interval. The interval shows no alteration features. The fragments within the breccia have a volcanic origin (containing chloritic pseudomorphs) as opposed to a sedimentary origin.	10212 10213	11.36 12.57	12.57 14.07	1.21 1.50	0.01 0.01	1.4 1.9

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
17.05	17.73	Brecciated carbonatized interval as per 11.30 to 12.55 metres. Moderate, patchy epidote alteration comprises 3% of the interval.						
20.06	21.73	This interval is distinctive due to the strong chloritic alteration. The upper alteration contact is obscured by broken core while the lower contact is sharp at 30 degrees to the C.A. 5% carbonate stringers and veinlets parallel shearing at 40 degrees to the C.A.	10214	20.04	21.58	1.54	0.02	1.0
21.73	22.48	Barren milky white carbonate vein with 5% randomly oriented chloritic inclusions less than 0.50 cm in length. Sharp upper and lower contacts at 40 degrees to the C.A.						
22.48	22.94	Strong carbonatization.	10215	21.58	22.85	1.27	0.02	1.0
22.94	24.15	Blocky and broken core. 15% carbonate stringers and veinlets at all angles to the C.A.						
			10216	22.94	24.27	1.33	0.01	1.0
27.54	28.51	Brecciated mafic volcanics with 1% disseminated pyrite and scattered rare stringers. The pyrite disseminations are euhedral, less than 0.10 cm in diametre. The interval includes a 12.7 cm wide strongly siliceous horizon, green in colour. The breccia description is as per 9.10 to 9.85 metres. Moderate shearing at 40 degrees to the C.A. The upper contact of this horizon is obscure, with the lower contact sharp at 75% to the C.A., defined by a quartz-carbonate veining system in the underlying unit.	10218	27.27	28.46	1.19	0.03	1.0
28.51	**30.33**	**MINERALIZED QUARTZ-CARBONATE BRECCIA (2015)**						
		Quartz-carbonate brecciated mineralized zone. The lower contact of the zone is sharp at 40 degrees to the C.A. 20% of the interval is a bluish quartz whose emplacement has resulted in the brecciation of the mafic volcanics. The mafic volcanics have been strongly silicified and chloritized. The breccia fragments comprise 70% of the interval, are irregular in shape and are less than or equal to 6.0 cm in length. Closely associated with the breccia fragments are 5% pyrite and pyrrhotite in a 1:10 ratio of pyrite to pyrrhotite. The sulphides occur along fracture planes as fine stringers, irregular blebs and as fine disseminations less than 0.10 cm in diametre. There is no evidence of shearing. Late stage carbonate veins, less than or equal to 2.0 cm in width, make up 10% of the interval, and are between 80 and 90 degrees to the C.A. The carbonate veins are barren of sulphides.						
			10219	28.46	29.67	1.21	0.19	2.0
30.33	**92.76**	**MAFIC VOLCANIC FLOW (6C7j1)**						
		Fine-grained black matrix with 40% carbonate amygdules attenuated parallel to shearing at 45 to 50 degrees to the C.A. The amygdules are less than or equal to 0.40 cm in length. Moderate to strong carbonatization generally less than 10.0 cm in length. 5% carbonate stringers and veinlets both parallel and oblique to shearing. Fine disseminations and blebs of pyrrhotite within the carbonate stringers and veinlets.						
30.33	31.12	Strongly sheared at 70 degrees to the C.A. 1-2%, 0.10-0.20 chlorite needles parallel to shearing. One pale green, moderately siliceous horizon, 14.0 cm in width. The interval is brown in colour as a result of strong carbonatization. 10% carbonate stringers at all angles to the C.A. Blocky core. 1% pyrite as fine disseminations concentrated along shear planes.	10220	29.67	30.74	1.07	0.13	2.1

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			10221	30.74	31.61	1.37	0.01	0.3
32.00	33.00	5% carbonate veinlets at 20 degrees to the C.A., exhibiting millimetre scale sinistral offsets.						
			10222	31.61	33.03	1.22	0.01	0.6
36.24	36.80	Broken core.						
36.98	38.12	5% carbonatized amygdules replace by euhedral pyrite.	10223	36.82	38.11	1.29	0.01	0.9
38.12	38.77	Strongly carbonatized.						
			10224	39.90	41.13	1.23	0.01	0.7
42.75	43.94	Moderately sheared at 40 degrees to the C.A. Moderately chloritic throughout. 15% carbonate veinlets and veins, up to 10.0 cm in width, parallel to shearing. 1-2% finely disseminated pyrite.						
			10225	42.69	44.39	1.81	0.36	2.3
44.30	47.25	Strongly sheared at 43 degrees to the C.A. 6-8% barren carbonate stringers and veinlets at 40 to 70 degrees to the C.A. The barren veinlets are sinistrally offset by later mineralized disseminated pyrrhotite carbonate stringers. Local, weak and patchy carbonatization.	10226	44.37	45.48	1.11	0.14	2.1
			10227	45.48	46.53	1.05	0.02	3.0
49.48	51.34	Strongly sheared at 30 degrees to the C.A. 20% carbonatized amygdules parallel to shearing.						
			10228	51.34	52.56	1.22	0.01	2.0
54.61	58.09	40% rafts of brecciated argillitic sediments less than 10.0 cm in width.	10229	54.52	56.18	1.66	0.02	2.9
58.09	61.79	Moderately sheared at 25 degrees to the C.A. Short horizons, less than 25.0 cm in length, with 40% carbonate stringers and veinlets at all angles to the C.A. These short horizons are brecciated with fragments less than 2.0 cm in length, comprising 20% of the interval, and moderately carbonatized. Trace finely disseminated pyrite.	10231	56.10	57.57	1.47	0.60	8.2
			10232	57.57	61.10	1.53	0.17	2.4
62.61	63.45	1% carbonate stylolites.						
66.00	67.75	Intercalated argillitic sediments parallel to shearing, comprises 10% of the interval.						
			10233	66.37	68.00	1.63	0.01	1.5
			10234	68.00	69.20	1.20	0.03	1.0
			10235	69.20	70.80	1.60	0.01	1.8
76.76	76.90	Moderately sheared at 40 degrees to the C.A. Moderately chloritic and carbonatized. One 0.60 cm pyrite veinlet at 80 degrees to the C.A.						
			10236	76.24	77.48	1.24	0.02	2.6
			10237	82.89	84.13	1.24	0.01	0.9
84.38	84.65	Barren 10.0 cm carbonate vein with sharp upper and lower contacts at 80 and 70 degrees to the C.A., respectively. On each side of the vein is a chloritic carbonatized alteration halo. Within the alteration haloes are 40% chloritic pseudomorphs after pyroxene which have been partially replaced by pyrrhotite. 1% disseminations of pyrite.						
84.65	90.15	Brecciated and weak to moderately sheared parallel to the C.A. 40% subangular to subrounded greyish carbonate-rich breccia fragments, less than 4.0 cm in length, attenuated parallel to shearing. The fragments are hosted in a fine-grained, weakly carbonatized, black matrix. 10% carbonate stringers at all angles to the C.A. Patchy, weak epidote alteration. 3% fine disseminations and rare stringers, parallel to shearing, of pyrite.	10238	84.13	85.61	1.48	0.02	2.4
			10239	85.61	87.00	1.39	0.03	3.1
			10240	87.00	88.50	1.50	0.03	2.5
			10241	88.50	90.00	1.50	0.01	2.3
90.15	92.76	Moderately sheared at 65 degrees to the C.A. 25% strongly carbonatized horizons less than 15.0 cm in length. 3% disseminated and stringers of pyrite parallel to shearing.	10242	90.00	91.50	1.50	0.04	3.0

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
92.76	**92.87**	**MINERALIZED QUARTZ VEIN (19j4)**						
		Sharp upper and lower contacts at 45 degrees and subparallel to the C.A., respectively. Bluish-grey qaurtz vein with hair-line fractures infilled by carbonate makes up 70% of the interval. Strongly altered chloritic and siliceous inclusions, less than 10.0 cm in length, make up 25% of the interval. Inclusions greater than 2.0 to 3.0 cm are brecciated mafic fragments. 3-5% pyrrhotite and pyrite in a 5:1 ratio of pyrrhotite to pyrite. Sulphides occur as fracture in-fill of the mafic fragments. Both the pyrite and pyrrhotite appear hackly and pitted.						
92.87	**96.49**	**MAFIC VOLCANIC FLOW (6C7d2)**						
		30% of the interval is composed of carbonatized amygdules, less than 0.20 cm in length. Strongly carbonatized with 40% carbonate veinlets at all angles to the C.A. 2% fine disseminations and stringers of pyrite. The lower contact is gradational.						
			10244	91.50	93.00	1.50	0.30	0.6
			10245	93.00	94.50	1.50	0.03	2.0
			10246	94.50	96.00	1.50	0.04	2.6
96.49	**97.45**	**FAULT GOUGE (F.Z.)**						
		Grain size variable due to faulting. Fragments are less than 3.0 cm, with irregular borders. Moderately sheared at 35 degrees to the C.A. Pervasive chloritic alteration. The core is blocky and crumbly with trace to 1% pyrite disseminations. The lower contact is obscured by broken core.						
97.45	**98.04**	**MINERALIZED QUARTZ VEIN (19a5)**						
		95% of the interval is a milky white quartz vein, with 2% carbonate infill of hair-line fractures. 5% disseminated pyrite concentrated along the hair-line fractures. The lower contact is sharp at 35 degrees to the C.A.						
			10247	96.00	97.50	1.50	2.29	3.3
98.04	**98.48**	**FAULT GOUGE (F.Z.)**						
		Blocky, crumbly core. Moderately sheared at 55 degrees to the C.A., with fragments less than 3.0 cm in length. Moderate to strong carbonate alteration. Trace disseminated pyrite. The lower contact is obscured by broken core.						
98.48	**115.80**	**MAFIC VOLCANIC FLOW (6A6a1)**						
		Colour varies from dark green to brown dependant upon the type and degree of alteration. Chloritic alteration accounts for 90% of the alteration, and is moderate in intensity. Weak to moderate carbonatization accounts for the remaining 10% of the alteration. As the interval is brecciated, the grain size is variable. The matrix is aphanitic, and contains 40% subrounded to subangular breccia fragments with chloritic pseudomorphs after pyroxene. Shearing is strong for the first few metres of the interval, at 45 degrees to the C.A., but diminishes thereafter in intensity. 1% carbonate stringers at all angles to the C.A. Trace to 1% disseminated pyrite.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/T	Ag g/T
78.48	100.10	Strongly silicified, brown in colour. Moderately to strongly sheared at 45 degrees to the C.A.	10248	97.50	99.00	1.50	14.12	2.6
100.40	102.56	Moderate to strong chloritic alteration. Mottled green in colour. 1% radiating pyrite crystals, less than 0.20 cm in diametre, concentrated on fracture planes parallel to a weak shear at 45 degrees to the C.A.	10249	99.00	100.50	1.50	0.03	1.6
			10250	100.50	102.00	1.50	0.01	1.6
			10251	102.00	103.50	1.50	0.02	2.2
			10252	103.50	105.00	1.50	0.01	1.9
			10253	105.00	106.50	1.50	0.01	2.1
			10254	106.50	108.00	1.50	0.01	2.1
108.42	111.48	Weak to moderately chloritic.	10255	108.00	109.50	1.50	0.02	1.8
			10257	109.50	111.00	1.50	0.02	1.8
			10258	111.00	112.50	1.50	0.01	1.4
			10259	112.50	114.00	1.50	0.01	1.4
			10260	114.00	115.80	1.80	0.02	1.6
115.80	**115.80**	**END OF HOLE**						

BOND GOLD CANADA INC. DIAMOND DRILL HOLE REPORT

HOLE NO.	BR90.14	NORTHING	-120	DH CONF. BEAR	120	Depth	Dip	Azimuth	Feet
PROPERTY	GEORGIA RIVER	EASTING	-100	GRID ORIENT.	000	156.6	-88		
LOCATION	NTS 103O/16W	ELEVATION	1043.92	DH GRID AZ.	120				
CLAIM NO.	GEORGIA 1	SURV. E.	-98.36	DIP-COLLAR	-88				
TARGET	QTZ VN SYSTEM	SURV. N.	-123.15	LENGTH (m)	156.60				
STARTED	SEPTEMBER 8,	LOGGED BY	C. BOIVARD	DRILL CO.	FALCON				
FINISHED	SEPTEMBER 9,	CHECKED BY	A. BRAY	DRILL NO.	1090				
SECTION	4+00	CORE	BQ TW	FOREMAN					
COMMENTS									

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton

SUMMARY

0.00	3.03	CASING
3.03	28.09	MAFIC VOLCANIC FLOW (6A6a1)
27.18	28.09	FAULT GOUGE (F.Z.)
28.09	29.34	MINERALIZED QUARTZ-CARBONATE VEIN(20j5)
29.34	79.70	MAFIC VOLCANIC FLOW (6A6a1)
79.70	84.10	MINERALIZED QUARTZ-CARBONATE BRECCIA (20j4)
84.10	156.60	MAFIC VOLCANIC FLOW (6A6a1)
156.60	156.60	END OF HOLE

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Au g/ton
0.00	**3.03**	**CASING**						
3.03	**28.09**	**MAFIC VOLCANIC FLOW (6A6a1)**						
		Colour varies considerably as a result of the degree and type of alteration. Predominately (80%) shades of green due to moderate chloritic alteration, with intervals less than or equal to 0.20 metres which are brownish in colour (chlogopite). Grain size varies as a result of brecciation. 40% of the interval is composed of subangular, carbonate matrix rich breccia fragments with chloritic pseudomorphs, which are attenuated parallel to shearing. The shearing is moderate at 50 degrees to the C.A. 3-5% carbonate stringers and veinlets, barren of sulphides, at all angles to the C.A. Trace to 1% pyrite as fine disseminations. 3-5% intercalated coarse siltstone, in intervals less than 10.0 cm in length. The lower contact of this interval is sharp at 45 degrees to the C.A.						
3.03	7.60	Dark green in colour. 40% breccia fragments attenuated parallel to shearing at 45 degrees to the C.A. The core is exceedingly blocky and ground with only 4 or 5 pieces which exceed 15.0 cm in length. Moderately chloritic throughout. 2% carbonate stringers at all angles to the C.A.						
7.60	9.54	Strong chloritic alteration. 5% carbonate stringers and veinlets, barren of sulphides, at all angles to the C.A.						
9.54	10.35	Blocky core.						
11.55	14.75	Colour varies from black to green to pinkish brown as a result of rock type and the degree of alteration. The interval is composed of 70% brecciated mafic volcanics intercalated with 30% fine-grained sandstones, siltstones and argillites. The sandstones/siltstones are medium to fine-grained, weakly carbonitic and range in colour from green to pinkish-brown. The argillitic sediments are very fine grained and pale green in colour (strongly chloritic and weakly carbonitic). Bedding is visible but often exhibits both sinistral and dextral offsets on the millimetre scale. 10% of the volcanics is moderately gossaneous. Moderately sheared at 35 degrees to the C.A. 2% carbonate stringers generally parallel to shearing at 35 degrees to the C.A. Trace pyrite as fine disseminations.	19201 19202	11.00 12.20	12.22 13.50	1.22 1.28	0.01 0.01	0.9 0.7
			19251	13.50	15.00	1.50	0.02	1.1
17.00	23.53	Strong chloritic alteration. One 10.0 cm carbonate vein with crystalline cavaties and 20% angular volcanic fragments less than 3.0 cm in length.	19254 19255	16.50 18.00	18.00 19.50	1.50 1.50	0.01 0.01	0.5 0.2
25.00	25.75	Weak chloritic alteration.						
26.00	27.18	Dark brown colour as a result of the presence of chlogopite. 3% barren carbonate veinlets at all angles to the C.A. 1% pyrite concentrated on shear planes at 45 degrees to the C.A. Pyrite occurs as stringers and blebs.	19256	25.64	26.86	1.22	0.01	1.6
27.18	**28.09**	**FAULT GOUGE (F.Z.)**						
		Moderately to strongly sheared at 45 degrees to the C.A. Green-brown in colour. 20% breccia fragments, generally less than 2.0 cm in width, attenuated parallel to shearing. Patchy, strong chloritic alteration with up to 25% carbonate stringers parallel to shearing. 3% pyrite as disseminations and stringers associated with the carbonate veinlets and parallel to shearing. One 0.50 m fault gouge that is pervasively chloritic and brecciated.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		The lower contact is sharp at 45 degrees to the C.A.						
			10267	28.80	28.09	1.25	0.04	1.6
28.09	**29.34**	**MINERALIZED QUARTZ-CARBONATE VEIN(20j5)**						
		Mineralized quartz-carbonate vein system. 30% bluish-grey quartz with 2% carbonate infill of hair-line fractures. 50% brecciated matic volcanic fragments less than 12.0 cm in length, angular and moderately chloritized. Within the interval there is no sense of smearing noted. 5% pyrrhotite and pyrite in a 5:1 ratio of pyrrhotite to pyrite. The sulphides occur largely as fine disseminations concentrated along 0.10 to 0.20 cm fractures within the mafic volcanics. 5% barren carbonate stringers at 90 degrees to the C.A.						
		Sharp lower contact at 45 degrees to the C.A.						
29.34	**79.70**	**MAFIC VOLCANIC FLOW (6A6a1)**						
		Dark brown to black in colour. Moderately to strongly chloritic. 50% of the interval is composed of breccia fragments, less than 3.0 cm in length and attenuated parallel to shearing at 50 degrees to the C.A. 20% of the interval is made up of a fine-grained matrix which is host to carbonatized amygdules, less than 0.20 cm in length, attenuated parallel to shearing. The amygdules are locally host to disseminated pyrite. 20% of the interval is composed of argillic sediments, generally in sections less than 20.0 cm in length. 10% carbonate stringers and veinlets at all angles to the C.A. Trace disseminated pyrite overall.						
29.34	44.22	40% carbonatized amygdules attenuated to shearing at 40 degrees to the C.A. 5% of the amygdules contain finely disseminated pyrite. Weak to moderate chloritic alteration. 10% carbonate stringers and veinlets at all angles to the C.A. 1-2% disseminations and scattered stringers of pyrite concentrated along shear planes.	10268 10270 10271 10272 10273	28.09 29.44 30.95 40.00 41.50	29.44 30.95 32.44 41.50 43.00	1.35 1.51 1.49 1.50 1.50	0.01 0.02 0.01 0.01 0.02	2.0 2.4 2.1 2.0 3.0
44.22	46.32	Pervasive carbonatization of 40% amygdules. 10% carbonate stringers and veinlets at all angles to the C.A. 2-3% pyrite and pyrrhotite as fine disseminations and scattered stringers in a 1:1 ratio.	10274 10275	43.00 44.50	44.50 46.00	1.50 1.50	0.01 0.02	12.9 3.2
47.37	50.00	Strongly sheared amygdaloidal mafic volcanics. Shearing is at 55 degrees to the C.A. 40% intercalated carbonatized argillic sediments as 10.0 cm rafts. Trace disseminated pyrite.	10276	46.00	47.50	1.50	0.01	3.0
50.00	50.34	10% carbonate stringers and veinlets at all angles to the C.A. Strong chloritic alteration.						
52.15	57.20	Brecciated mafic volcanics. 20% amygdules visible within 60% mafic volcanics. 20% intercalated argillic sediments. Moderately sheared at 30 degrees to the C.A. Moderately chloritic throughout. 2% carbonate stringers and veinlets generally parallel to shearing. 1% radiating pyrite crystals concentrated on fracture planes.	10277	51.00	52.50	1.50	0.01	2.0
57.20	62.85	Intercalated horizon of brecciated and amygdaloidal mafic volcanics. Moderately carbonatized. 10% carbonate stringers at all angles to the C.A.	10278	58.00	59.50	1.50	0.01	1.9
62.85	70.00	Intercalated brecciated mafic volcanics and argillic sediments with gradational contacts. 30% argillic sediments as rafts less than 15.0 cm in length. Moderately sheared at 30 degrees to the C.A. Moderate chloritic alteration. Trace fine disseminations of pyrite.	10279 10280 10281	62.00 63.50 68.00	63.50 65.00 69.50	1.50 1.50 1.50	0.02 0.02 0.01	2.1 1.0 1.6

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
70.00	70.28	Strongly chloritized and sheared amygdaloidal mafic volcanic. Shearing is at 35 degrees to the C.A.						
71.60	72.70	5% carbonate stringers and veinlets generally parallel to shearing at 45 degrees to the C.A. Carbonate veinlets are strongly chloritic, deep green in colour.						
72.70	79.70	Intercalated brecciated mafic volcanics and argillic sediments. Moderately to strongly carbonatized. 3% carbonate stringers and veinlets parallel shearing at 45 degrees to the C.A. 2% disseminated pyrite and pyrrhotite associated with the carbonate veinlets.	10283 10284	76.72 78.27	78.27 79.59	1.55 1.32	0.02 0.04	0.9 1.2
		The lower contact is sharp at 45 degrees to the C.A.						
79.70	**84.10**	**MINERALIZED QUARTZ-CARBONATE BRECCIA (20j4)**						
		Mineralized carbonate-quartz breccia zone. Strong carbonatization of pale green brecciated mafic fragments. Breccia fragments comprise 60% of the interval, are generally less than 15.0 cm in length and are angular in nature. No indication of shearing within the interval. 20% of the interval is composed of quartz and of a carbonate rich matrix with scattered, barren carbonate veinlets and veins (less than 8.0 cm in width) at 40 to 70 degrees to the C.A. 3-4% pyrite and pyrrhotite in a 1:4 ratio of pyrite to pyrrhotite. The sulphides occur as fine disseminations and blebs concentrated along fractures within the mafic volcanics. The remaining 15% of the interval is composed of siliceous and chloritic volcanic fragments.						
		The lower contact is gradational.						
			10285 10286 10287	79.59 80.53 82.10	80.53 82.10 83.57	0.94 1.57 1.47	0.06 0.03 0.04	14.7 5.4 3.4
84.10	**156.60**	**MAFIC VOLCANIC FLOW (6A6a1)**						
		Black to brown in colour. Moderate chloritic and carbonitic alteration. Fine-grained, massive in nature. Moderate shearing at 45 degrees to the C.A. 5% carbonate stringers and veinlets parallel to the shearing. 1% disseminated pyrite with scattered 0.10 to 0.20 cm stringers parallel to shearing.						
			10288 10289	83.57 85.11	85.11 86.62	1.54 1.51	0.02 0.01	3.2 2.6
86.86	87.70	Alternating strongly silicified and carbonatized horizons. 70% silicification and 30% carbonatization. 5% carbonate stringers and veinlets at 75 degrees to the C.A. Trace to 1% fine disseminations of pyrite and pyrrhotite concentrated along hair-line fractures.						
87.70	95.05	Weak to moderately sheared at 50 degrees to the C.A. Patchy, strong chloritic alteration. 5% carbonate stringers and veinlets, 80% of which are parallel to shearing. Trace disseminations of pyrite, chalcopyrite and pyrrhotite.	10290 10291 10292 10293 10294	86.62 88.03 89.59 91.15 92.61	88.03 89.59 91.15 92.61 94.13	1.41 1.56 1.56 1.46 1.52	0.02 0.15 0.04 0.02 0.01	1.7 2.0 2.6 2.2 2.7
95.05	96.70	Weak to moderately sheared at 30 degrees to the C.A. 5% quartz veins, up to 1.5 cm in width, parallel to shearing and containing phlogopite and 3% finely disseminated pyrite and pyrrhotite. Trace disseminated pyrite and pyrrhotite	10296	94.13	95.51	1.38	0.02	2.9

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g/ton	Ag g/ton
		within the groundmass.						
96.70	101.90	Moderately sheared subparallel to the C.A. Moderately silicified. 6-8% carbonate stringers and veinlets parallel to shearing. 2% pyrite as stringers parallel to shearing. The matic volcanics are brecciated with breccia fragments less than 2.0 cm in length, carbonatized and attenuated parallel to shearing.	10297	95.51	97.12	1.61	0.01	2.2
			10298	97.12	98.55	1.43	0.22	2.3
			10299	98.55	100.03	1.48	0.01	10.6
			10300	100.03	101.73	1.70	0.03	2.6
			10301	101.73	103.06	1.33	0.01	2.3
104.90	106.00	20% carbonate stringers and veinlets, 80% of which are parallel to shearing subparallel to the C.A. Moderately chloritic.						
106.00	121.98	Massive matic volcanics description as per 84.10 to 156.60 metres.	10302	106.00	107.50	1.50	0.01	2.4
121.98	123.17	Moderately to strongly chloritic. Weakly brecciated with 15% breccia fragments less than 8.0 cm in length. The matrix of the breccia fragments are strongly carbonatized with strong epidote alteration.	10303	121.50	123.00	1.50	0.02	1.7
123.35	156.60	Moderate to strong chloritic alteration. Moderately sheared at 35 degrees to the C.A. 15% carbonate-rich breccia fragments less than 8.0 cm in length. 15% barren carbonate veinlets at all angles to the C.A. 1% finely disseminated subhedral pyrite.	10304	127.00	128.50	1.50	0.01	0.5
			10305	132.00	133.50	1.50	0.01	1.0
			10306	138.00	139.50	1.50	0.01	1.7
			10307	142.00	143.50	1.50	0.02	1.4
			10309	148.00	149.50	1.50	0.01	1.3
			10310	155.10	156.60	1.50	0.02	1.2
156.60	**156.60**	**END OF HOLE**						

OLE NO.	GR90.15	NORTHING	-188	DH COMP. BEAR	080	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
RO[redacted]	GEORGIA RIVER	EASTING	-231	GRID ORIENT.	000	78.1	- 45						
OCATION	NTS 1030/16W	ELEVATION	1191	DH GRID AZ.	080								
LAIM NO.	GEORGIA 1	SURV. E.		DIP-COLLAR	-45								
ARGET	QTZ VN SYSTEM	SURV. N.		LENGTH (m)	78.12								
TARTED	SEPTEMBER 9,	LOGGED BY	A. BRAY/C. BO	DRILL CO.	FALCON								
INISHED	SEPTEMBER 9,	CHECKED BY	A. SASSO	DRILL NO.	1000								
ECTION		CORE	BQ TW	FOREMAN									
OMMENTS													

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
SUMMARY								
0.00	2.13	CASING						
2.13	32.05	GRANODIORITE (9C2a1)						
32.05	33.12	MINERALIZED QUARTZ VEINS (19w60)						
33.12	36.35	GRANODIORITE (968a2)						
[redacted]	36.62	MINERALIZED GRANODIORITE (967v30)						
36.62	78.12	GRANODIORITE (9C5q1)						
78.12	78.12	END OF HOLE						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	2.13	**CASING**						
2.13	32.05	**GRANODIORITE (9C2a1)**						
		Light to medium grey to grey-green in colour. Predominately medium grained, finer grained in areas that are sheared. Weak carbonatization of fine grained matrix. 40-50% feldspar phenocrysts, averaging 0.30 to 0.40 cm in diametre, ranging from 0.10 to 2.5 cm in diametre. Weak to moderate carbonatization of the feldspar phenocrysts. Locally moderately silicified over horizons less than 1.0 metre. Shearing is weak at 45 to 50 degrees to the C.A. Short horizons, less tha 1.5 metres, which are weak to moderately chloritized. Feldspar phenocrysts are weakly attenuated parallel to the shearing. 3-5% carbonate-quartz veinlets and veins, up to 1.20 cm in width, averaging 0.60 to 0.70 cm, at 50 degrees to the C.A. Trace to 1% finely dissmeninated pyrite with scattered blebs and rare stringers.						
2.13	9.00	15% of the horizon is blocky and fractured, with fractured surfaces at a low angle to the C.A., approximately 20 degrees, and strongly oxidized.						
10.20	10.70	Moderately silicified and moderately sheared at 50 degrees to the C.A. 1-2% blebs and disseminations of pyrite.						
10.70	11.00	10% vuggy, blocky and fractured core, with fractured surfaces between 15 and 25 degrees to the C.A, and strongly oxidized. Moderately silicified.	10311	10.00	11.00	1.00	0.21	2.0
11.25	11.51	5% vugs up to 2.0 cm in length and 0.20 cm in width. 2% disseminated antl blebs of pyrite. Some of the pyrite occurs as coarse granules within the vugs.						
11.51	11.81	Description as per 10.70 to 11.00 metres.						
			10312	11.00	12.00	1.00	0.03	2.0
12.51	12.64	3.0 cm carbonate-quartz vein at 30 degrees to the C.A., with irregular contacts 2% disseminations and blebs of pyrite and trace disseminated pyrrhotite. The sulphides occur within the vein. The vein contains 3-5%, 0.10 to 0.20 cm moderately chloritized granodiorite inclusions.						
13.60	14.90	Moderately sheared at 50 degrees to the C.A. Moderately chloritized. Trace to 1% finely disseminated pyrite with scattered blebs up to 0.30 cm.						
14.90	30.50	Moderately sheared at 50 degrees to the C.A. Moderately chloritic with shear planes defined by fine wisps and stringers of chlorite. Patchy, weak epidote alteration over horizons less than 5.0 cm in length.	10313	17.00	18.50	1.50	0.01	1.5
			10314	25.05	26.05	1.00	0.01	1.1
			10315	26.05	27.55	1.50	0.01	0.9
			10316	27.55	29.05	1.50	0.11	1.8
30.50	32.05	Moderately to strongly sheared at 50 degrees to the C.A. Moderately chloritic. The feldspar phenocrysts have been obliterated by the shearing (no remenant textures visible). 5-7% anastomosing carbonate stringers and veinlets at various angles to the C.A.	10317	29.05	30.55	1.50	0.01	1.0
			10318	30.55	32.05	1.50	0.01	6.3
		The lower contact is obscured by fractured, broken and vuggy core. The fractured surfaces are strongly oxidized, with 3% disseminated pyrite. The horizon is moderately silicified.						
32.05	33.12	**MINERALIZED QUARTZ VEINS (19w60)**						
		Upper 0.36 metre and lower 0.15 metre milky white quartz vein containing 10-12% subangular brecciated granodiorite fragments, moderately chloritized and highly sheared with 2-3% disseminations and blebs of pyrite which border a massive sulphide horizon in the middle of the interval. The massive sulphide horizon						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		contains 55 to 60% sulphides, including 30% pyrite, 25% sphalerite, 5% galena and trace chalcopyrite. The sphalerite is reddish-brown in colour. Pyrite occurs as granular masses and disseminations, less than or equal to 0.30 cm. Sphalerite occurs as densely packed fine disseminations. Galena and chalcopyrite occur as fine disseminations. The remaining 35% of the massive sulphide horizon is composed of highly sheared, silicified and chloritized angular granodiorite breccia fragments (no remenant textures), as well as quartz-carbonate veinlets and clots, in equal percentages. The lower contact is irregular, at approximately 65 degrees to the C.A.						
			10319	32.05	33.12	1.07	8.85	230.0
33.12	36.35	**GRANODIORITE (968a2)** Light grey in colour. No remenant plagioclase feldspar phenocrysts. Strongly sheared at 40 degrees to the C.A. Weakly crenulated on a millimetre scale, generally with amplitudes less than 0.20 cm and with wavelengths less than or equal to 1.0 cm. Pervasively silicified. 2-3% quartz-carbonate veinlets and veins up to 4.0 cm in width, ranging from 40 to 90 degrees to the C.A. 2-3% disseminations, blebs and granular pyrite concentrated along shear planes. 1-2% scattered quartz augens, less than 0.20 cm in diametre, with carbonate pressure shadows.						
			10320	33.12	34.62	1.50	0.23	3.5
35.08	35.14	Quartz-carbonate vein, with upper and lower contacts at 70 and 45 degrees to the C.A., respectively. 30% patchy, moderately chloritized granodiorite fragments within the vein. The lower contact is sharp, at 50 degrees to the C.A., defined by semi-massive sulphides of the underlying unit.						
			10322	34.62	35.49	0.87	0.18	2.2
			10323	35.49	36.35	0.86	0.17	2.0
36.35	36.62	**MINERALIZED GRANODIORITE (967v30)** Strongly sheared and silicified granodiorite with semi-massive sulphides weakly aligned parallel to shearing at 50 degrees to the C.A. 30% sulphides occurring as 15% pyrite, 15% sphalerite with traces of both galena and chalcopyrite. Pyrite occurs as granules, less than or equal to 0.10 cm in diametre, and as fine disseminations. Reddish-brown sphalerite occurs as tightly packed fine disseminations. Both galena and chalcopyrite occur as fine disseminations. The lower contact is sharp at 45 degrees to the C.A.						
			10324	36.35	36.62	0.27	3.02	20.2
36.62	78.12	**GRANODIORITE (9C5q1)** Variable colour ranging from medium to dark grey, to light grey-green. Variable grain size. Aphanitic matrix with alternating horizons which have fine to coarse grained plagioclase feldspar phenocrysts, up to 1.20 cm in diametre. Shearing is variable in intensity, from weak to strong. Where shearing is weak, the plagioclase phenocrysts tend to be medium to coarse grained. Where shearing						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		is moderate to strong, the plagioclase phenocrysts are fine-grained to obliterated by the shearing (no remenant textures). Where shearing is the strongest, carbonate metacrysts (up to 1.5 cm in length) occur and comprise up to 2% of the horizon. Carbonate metacrysts are generally attenuated parallel to shearing. Shearing ranges from 60 to 70 degrees to the C.A. Weak to moderate carbonatization and weak epidote alteration of the plagioclase phenocrysts and matrix. Additional alteration includes weak to moderate silicification and chloritization, generally over short horizons less than 1.50 metres. 3-5% quartz-carbonate veins, up to 45.0 cm in width but averaging 0.5 to 1.0 cm in width, at 50 degrees to the C.A. The interval averages 1% disseminations and scattered blebs of pyrite, and trace disseminations of pyrrhotite and sphalerite.						
			10325	36.62	38.12	1.50	0.01	1.6
38.30	38.60	Fracture core. Fractured surfaces are strongly oxidized, at 20 degrees to the C.A.						
38.64	38.80	2-3% disseminated sphalerite, 10-12% disseminations and granular pyrite. The sulphides occur within a carbonate-quartz rich brecciated granodiorite horizon.						
			10326	38.12	39.62	1.50	0.41	4.9
40.66	40.88	Carbonate-rich fault gouge. Crumbly and earthy core.						
			10327	39.62	41.12	1.50	0.02	1.0
			10328	41.12	42.62	1.50	0.13	1.3
42.95	43.10	2-3% granular pyrite concentrated along shear planes at 55 degrees to the C.A.						
43.53	43.75	Carbonate-quartz vein with sharp upper contact at 45 degrees to the C.A., which is oblique to shearing at 55 degrees to the C.A., and obscured lower contact with 15-20% vugs up to 0.50 cm.						
43.86	43.93	10-12% brownish-red, densely packed disseminated sphalerite. 2-3% disseminated and granular pyrite. The sulphides occur within a quartz-carbonate rich brecciated matrix.						
			10329	42.62	44.12	1.50	0.54	2.5
			10330	44.12	45.62	1.50	0.01	1.0
46.06	46.30	Weak to moderate iron-rich carbonate associated with low angle fractured surfaces at 20 degrees to the C.A.						
47.42	50.00	Weak to moderate chloritic alteration. Medium grained with 5-7% weakly carbonatized plagioclase phenocrysts. 1% finely disseminated pyrite. Blocky core.						
51.74	52.40	Milky white carbonate-quartz vein with upper and lower contacts at 45 and 50 degrees to the C.A., respectively. Contains 20% brecciated granodiorite fragments, subangular and up to 5.0 cm in width. The fragments are moderately chloritized with moderate, patchy epidote alteration. Trace fine disseminations of pyrite.						
54.62	69.70	Moderate chloritic alteration, weakly sheared at 55 degrees to the C.A.. Medium-grained with aphanitic matrix. 5-7% carbonatized plagioclase phenocrysts half of which are moderately epidote altered. The epidote alteration is largely confined to the core of the phenocrysts, and not the rims. Trace finely disseminated pyrite.	10331	63.00	64.50	1.50	0.01	0.7
			10332	64.50	66.00	1.50	0.01	1.0
69.70	78.12	Moderately silicified throughout. Moderate shearing at 55 degrees to the C.A.	10333	70.00	71.50	1.50	0.01	0.7
			10335	71.50	73.00	1.50	0.01	1.0
			35725	73.00	74.50	1.50	0.03	1.3
78.12	78.12	END OF HOLE						