ASSESSMENT REPORT

ON

GEOLOGICAL/GEOCHEMICAL EXPLORATION
AND DIAMOND DRILLING

ON THE FOLLOWING CLAIMS:

WILLOUGHBY 1. 6894
WILLOUGHBY 2.....6895
WILLOUGHBY 3.....6896
WILLOUGHBY 4.....6897
WILLOUGHBY 5.....6898
WILLOUGHBY 6.....6899
WILLOUGHBY 7.....6900
DEL.....3558
GOLD MOUNTAIN 3.....6432

SKEENA MINING DIVISON

LOCATED

26 KM EAST OF STEWART, BRITISH COLUMBIA

Latitude 55°58' NORTH
Longitude 129°35' WEST

NTS 103P/13E

OWNER

BOND GOLD CANADA INC. (UNDER OPTION)

OPERATOR

BOND GOLD CANADA INC

REPORT BY
ANDREAS H.VOGT

DATE:DECEMBER 1989

SUMMARY

1989
EXPLORATION PROGRAM
WILLOUGHBY PROPERTY
WILLOUGHBY A and B CLAIM GROUPS

The Willoughby property is located within the Skeena Mining Division of British Columbia, about 26km east of Stewart. The property consists of 160 contiguous units in 9 mineral claims. It is held by Bond Gold Canada Inc. under two separate option agreements.

The property is situated within the Stikinia Terrane of the Intermontane Tectonic Belt and is underlain by volcanic and sedimentary rocks of the Jurassic Hazelton Group. The geological environment is similar to that of the Stewart Gold Camp (Silbak-Premier Gold Mine).

A geological, geochemical and diamond drilling program was conducted on the Willoughby property during the period of July 03 to August 07, 1989.

At least ten significant gold-bearing Zones (Main, North, NN, Edge, Upper Icefall, Lower Icefall, Kiwi, Ledge, Willoughby, Bufalo) have been identified on the property to date. The multiphase mineralization is controlled by two dominant structural trends and their intersections.

Detailed mapping and sampling was followed by the drill testing of four of the mineralized Zones (Main, North, Willoughby, Edge) at the central and northern Willoughby nunataks. A total of 14 diamond drill holes comprising 1709m was completed.
The most significant intersection, a 20.5m core interval yielding 24.98g Au/t and 184.21g Ag/t, was obtained from the North Zone.

A number of new mineralized zones were located in the course of several reconnaissance traverses. The use of mountaineering geologists and assistants were instrumental in the evaluation of some of the areas previously regarded as being "inaccessible".

The significant gold mineralization encountered during this initial drill testing as well as the discovery of numerous previously unknown gold-bearing zones attest to the high exploration potential of the Willoughby property. The considerable vertical extent (more than 350m) of the gold mineralization so far encountered and a style of mineralization similar to that of the nearby Stewart Gold Camp suggest the possibility of the presence of several depth-persistent ore shoots.

Further evaluation is clearly warranted and should consist primarily of additional drilling, detailed and reconnaissance mapping, and rock geochemistry.

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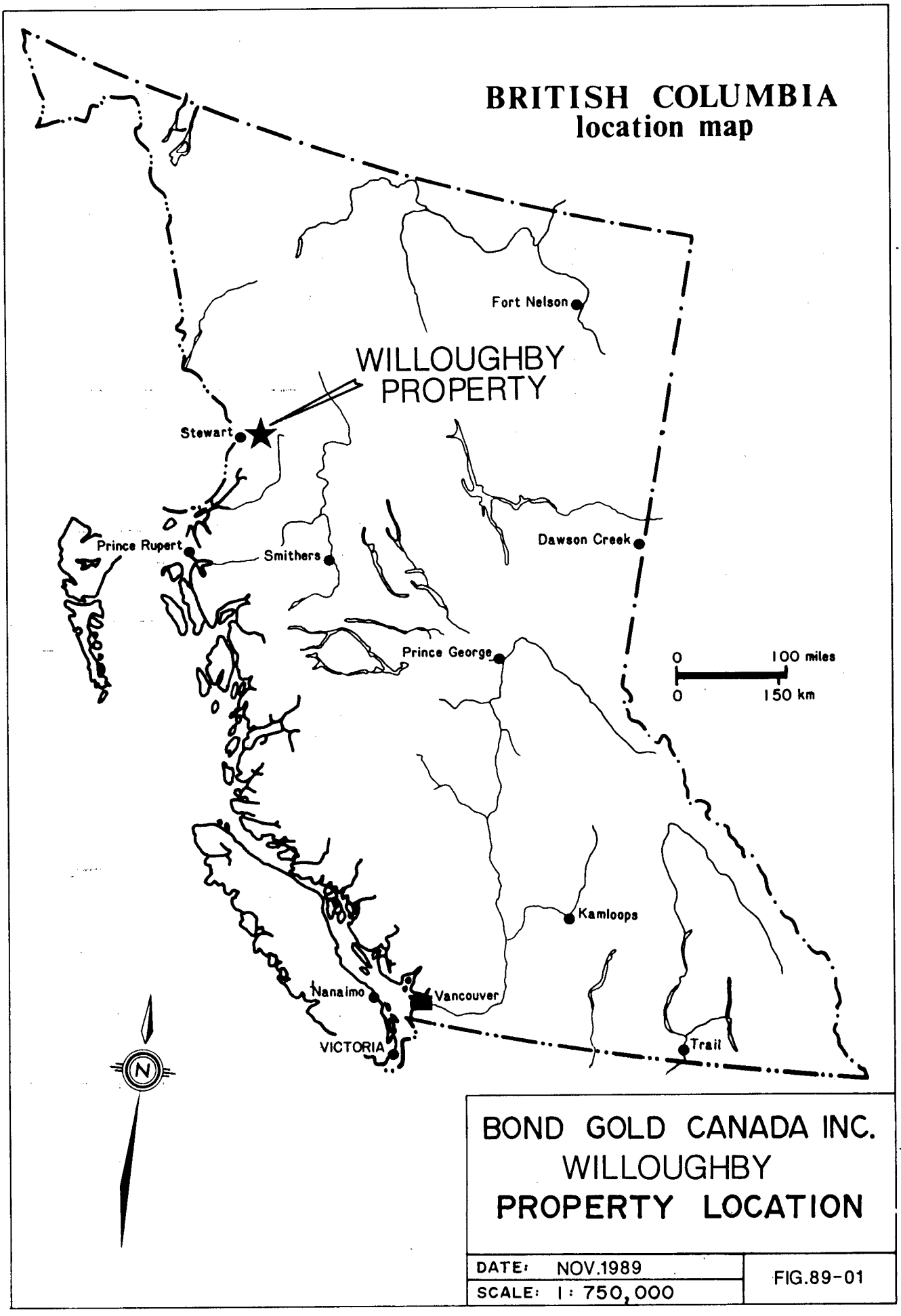
1.0 INTRODUCTION

Between July 03 and August 07, 1989 an exploration program was conducted by Bond Gold Canada Inc. on the Willoughby property.
The program consisted of detailed and reconnaissance type geological mapping, rock geochemistry (489 surface samples) and diamond drilling (1708.6m, 813 core samples). The exploration activities have been summarized in Table 1 below.
The program was operated from an exploration camp at the toe of the Willoughby Glacier. The area was accessed by helicopter.
The precipitous and heavily glaciated nature of the terrain made the use of mountaineering geologists mandatory. Two Chilean mountaineers/geological assistants, employees of Compania Minera San Jose, were part of the crew. The use of mountaineers resulted in the discovery of numerous mineralized zones in areas previously described as "inaccessible".

TABLE 1: SUMMARY OF THE 1989 WILLOUGHBY PROPERTY EXPLORATION PROJECT

ZONE	ROCK GEOCHEMISTRY	GEOLOGICAL MAPPING	DIAMOND DRILLING	LEAD ISOTOPES
MAIN	229	1:100	694.58 m	
NORTH	24	1:100	326.62 m	
WILLOUGHBY	21	1:250	489.88 m	
EDGE	16	1:100	197.70 m	
UPPER ICEFALL	88	1:100		2
LOWER ICEFALL	1	1:100		
KIWI	1	1:100		
LEDGE	3	1:100		
TURTLE RIDGE	9	1:10,000		
BUFALO ZONE	67	1:10,000		
MT WATON	14	1:10,000		


BRITISH COLUMBIA
location map
Fort Nelson
WILLOUGHBY
PROPERTY
Stewart
Prince Rupert
Smithers
Dawson Creek
Prince George
0 100 miles
0 150 km
Kamloops
Nanaimo
Vancouver
VICTORIA
Trail
N
BOND GOLD CANADA INC.
WILLOUGHBY
PROPERTY LOCATION
DATE: NOV.1989
SCALE: 1 : 750,000
FIG.89-01

1.1 LOCATION, ACCESS, AND PHYSIOGRAPHY

The Willoughby property is located at the eastern flank of the Coast Mountains about 26km east of Stewart, British Columbia (Figure 89-01). It is centred on latitude 55°58' North and longitude 129°35' West.

The nearest paved road is Highway # 37A approximately 14km to the north. Extensions of existing logging roads running west from the Meziadian - Kitwanga Highway may provide road access in the future.

The property consists of rugged mountainous terrain with elevations ranging from 550 to 2130m above sea level. The slopes are mostly steep to precipitous and make the use of technical mountaineering equipment necessary. The property covers the eastern portion of the Cambria Icefield, an extensive ice-covered plateau, as well as the Willoughby and Del Norte valley glaciers. The transition from the Cambria Icefield to the valley glaciers is characterized by steep icefalls. The surfaces of these icefalls are broken into a profusion of crevasses and large seracs.

The vegetation consists of a thin veneer of mountain hemlock and balsam that gives way to alpine meadows and bare rock at higher elevations. Trimlines in the Willoughby and Del Norte valleys mark the maximum extent of the ice during the "Little Ice Age", which culminated in the nineteenth century. They indicate a downwasting of the glaciers for about 150m in recent time, leaving steep, marginally stable, vegetation-free slopes.

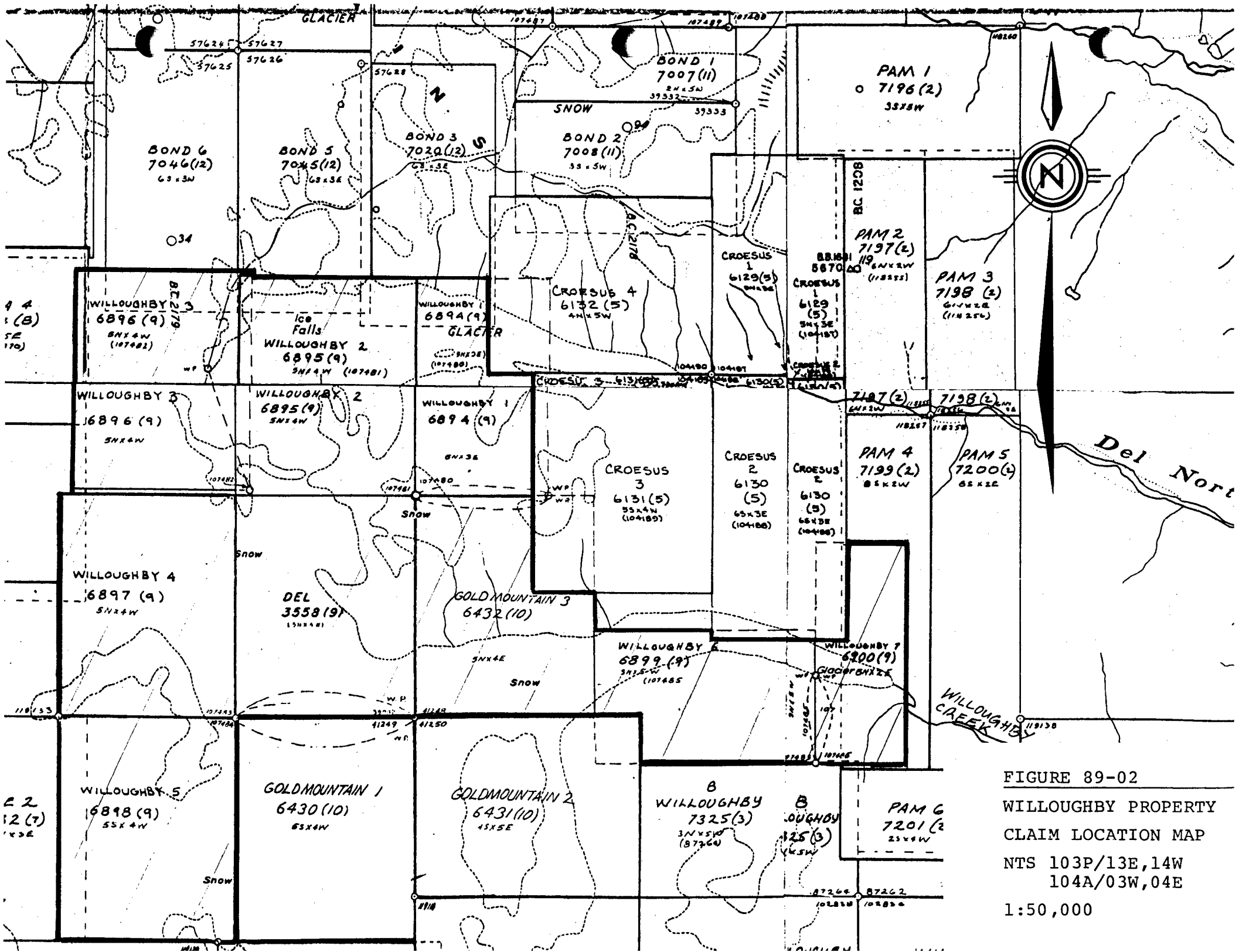


FIGURE 89-02

WILLOUGHBY PROPERTY

CLAIM LOCATION MAP

NTS 103P/13E,14W
104A/03W,04E

1:50,000

1.3 EXPLORATION HISTORY

There is little record of previous work in this area. Despite the fact that two east flowing creeks that drain the valley glaciers extending from the Cambria Icefield (Willoughby and Del Norte Creeks) contain minor amounts of placer gold (GSC Memoir 32; MI 103P/017 and 018) no systematic exploration for lode gold appears to have been undertaken in this area.

1941 Premier Gold Mining Company; chip and grab samples from the Willoughby Nunatak; exact locations unknown; results range from 1.4 to 89g Au/t; discovery of the Wilby Showing at the base of the gossaneous nunatak between the northern and central feeder of the Willoughby glacier.

1945 Property examination by Gordon Brown for the Wilby Creek Mining Syndicate; chip and grab samples; values up to 32.9g Au/t over 1.50m.

1978 J.Wilson; sampling of a section of the Willoughby Nunatak; report not available.

1978/80 Falconbridge Nickel Mines Ltd.; reconnaissance program for porphyry copper-molybdenum targets; discovery of the Willoughby Showing (massive pyrite and sphalerite partially replacing fossiliferous limestone).

1982 Property examination by E.Kruchkowski for Viscount Resources Ltd. (Del claim and Majorettes 1-4 claims).

1983 DIGHEM III survey conducted for Viscount Resources; BCDMEPR Assessment Report # 11,422.

1987/88 Staking of the Gold Mountain 1 to 3 claims by C.Kowall and prospecting program; BCDMEPR Assessment Report # 18,096.

1988 Property examination by Bond Gold Canada Inc. personnel; the historical Wilby and Willoughby showings were located and sampled (Vogt 1988; option agreement with J.McLeod (Del claim) and C.Kowall (Gold Mountain 1-3 claims) and staking of Willoughby 1-7 claims.

2.0 REGIONAL GEOLOGY AND MINERALIZATION

The Willoughby property is situated at the eastern edge of a broad, north-northwest trending volcano-plutonic belt composed of the Upper Triassic Stuhini Group and the Lower Jurassic Hazelton Group. This belt has been termed the "Stewart Complex" by Grove (1986) and forms part of the Stikinia terrane. To the west the Stewart Complex is bordered by the Coast Plutonic Complex. Sedimentary rocks of the Middle to Upper Jurassic Bowser Lake Group overlay the complex in the east.

Grove established the stratigraphic sucession during regional mapping between 1965 and 1968. The nomenclature for the Early to Middle Mesozoic strata as well as some formational subdivisions have been modified as a result of recent work in the Stewart and Iskut areas by the Geological Survey Branch of the BCMEMPR (Alldrick 1984, 1985, 1989).

Andesitic to rhyolitic tuffs and flows, epiclastic rocks, as well as argillites and limestones make up the Lower Jurassic (Hettangian to Toarcian) Hazelton Group Unuk River, Betty Creek, Mount Dilworth, Salmon River Formations). The Middle to Upper Jurassic (Bathonian to Oxfordian-Kimmeridigian) Bowser Lake Group sediments include shales, argillites, silt- and mudstones, greywackes and conglomerates. The contact between the sedimentary rocks of the Bowser Lake Group and the volcano-sedimentary sequence of the Hazelton 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 volcanics

to the west. A dominant pyritic shear zone up to 10m across occurs near the Hazelton/Bowser contact.

Several medium to coarse grained porphyritic (potash feldspar) quartz monzonite and biotite granodiorite stocks occur along the contact zone. Other intrusives, including augite to hornblende plagioclase porphyries and north-northwest trending lamprophyre and hornblende porphyritic dykes occur west of the contact.

Metamorphism is predominantly of the greenschist facies. Biotite hornfels zones are associated with a majority of the quartz monzonite and granodiorite stocks.

The Stewart Complex is the setting for the Stewart, Iskut, Sulphurets, and Kitsault (Alice Arm) gold/silver mining camps. Mesothermal to epithermal, depth persistent gold-silver veins form the most significant type of economical deposits. There is a spatial as well as an inferred temporal association of gold mineralization with Early Jurassic alkaline to calc-alkaline intrusions and volcanic centres. The intrusions are commonly of a distinctive two-feldspar porphyry type with potassium feldspar megacrysts (e.g. Premier porphyry). The mineralization is structurally controlled and associated with strong potassic and phyllic alteration.

3.0 1989 EXPLORATION PROGRAM

A property visit during 1988 at the owners' invitation confirmed the presence of the historical gold showings and gossanous areas. An extensive exploration program was conducted on the Willoughby property during the 1989 field season.

A precipitous bluff located between the central and northern feeders of the Willoughby glacier, and an outcrop area in the source area of

the northern feeder, (Figure 89-04) were the main foci of the 1989 exploration programs. These areas are referred to as the central and northern Willoughby nunataks, respectively.
The objectives of the program were a detailed evaluation and drill testing of the most promising mineralized zones at the Willoughby nunataks, the reconnaissance-style evaluation of the rest of the property, as well as the establishing of a preliminary mineralization model.

Six of the mineralized zones at the nunataks in the source area of the Willoughby glacier were geologically mapped (1:250) and systematically sampled. The Main, North, Willoughby, and Edge Zones were drill tested by a total of 1708.6m in 14 holes.

Several reconnaissance traverses (1:10,000 geological mapping) were conducted in other areas of the property. In total, 489 surface rock samples and 831 core samples were taken.

3.1 GEOLOGY AND MINERALIZATION WILLOUGHBY NUNATAKS

The only available government geological map for the property area is the 1:100,000 regional map of the Unuk River-Salmon River-Anyox area by Grove (1986). Accordingly to that map, the Willoughby nunataks are underlain by the Middle Jurassic Salmon River Formation, a sequence of clastic sediments and minor limestones.

The geological mapping of that area during this summer revealed that the nunataks consist mainly of andesitic pyroclastics, with minor carbonaceous argillites and argillaceous, fossiliferous limestones. Some northwest trending dykes, mostly of andesitic composition, crosscut this sequence.
The base of the central nunatak is composed of a andesitic agglomerate overlying a black argillite horizon. The coarse pyroclastics are interbedded with and grade up-section into lapilli

and ash tuff, as well as into biotite crystal tuff. Very irregular inclusions of fossiliferous limestone indicate a shallow marine depositional environment. The northern nunatak is composed mainly of andesitic agglomerate with two interbedded limestone horizons. A Lower Jurassic (Pliensbachian/Toarcian) age has been determined for a bryozoa from one of these limestone reefs.

Strike and dip of the bedding is highly variable in the vicinity of the mineralized zone. At some distance from the mineralization and especially in the crystal and ash tuffs, a north- northwest trending foliation with a westerly dip is developed, which appears to be subparallel to the primary bedding.

The structure of the area is highly complex with intense closely-spaced faulting. Two dominant shearing trends can be distinguished. One shear system is centred around 330° and has a right lateral movement as indicated by calcite-filled tension gashes. The other system has a trend of 040 to 060°. Both of these structural trends, as well as their intersections control the disseminated to massive gold-bearing sulfide mineralization.

The skarn-type mineral assemblage in hole EZ89.14 may indicate proximity to an underlying intrusion. The strike and dip changes of the bedding within the pyroclastics in the vicinity of the mineralization could as well be the result of an up-doming through an underlying high-level intrusion.

The predominance of pyroclastic rocks, as well as the indication for a Lower Jurassic age, suggest that this area should probably be grouped into the Lower Jurassic Unuk River Formation rather than into the Salmon River Formation.

3.1.1 MAIN ZONE

The Main Zone appears to correspond to the historic Wilby showing (MI 103P/006) as described in a report by C.Brown (1945). It constitutes the most prominent gossanous area at the nunatak located between the northern and central branches of the Willoughby glacier (Figure 89-04).

The Zone has a dimension of 40 by 25m at surface and is hosted by a sequence of fine-grained to agglomeratic pyroclastic rocks of andesitic composition (Figure 89-05). The andesitic agglomerate is a grey to green coloured rock that contains subrounded to angular, aphanitic to medium grained pyroclasts in a fine to medium grained matrix. The clasts range in size from 1 to 150mm and constitute about 25% of the rock. Pyrite is abundant and occurs disseminated, along hairline fractures, and in circular blebs in the matrix as well as in the clasts.

The semi-massive to massive sulfide mineralization occurs as irregular pods, lenses, and branching bodies. The mineral assemblage consists of - in order of abundance - pyrite, pyrrhotite, sphalerite, arsenopyrite, chalcopyrite, and galena. Sericite, calcite, chlorite, quartz, siderite, and ankerite occur as gangue. The centres of the sulfide pods are dominated by massive pyrrhotite that grades laterally into massive and disseminated pyrite.
Paragenetic relationships indicate a sequence of several mineralization phases (R.Beane, Bond International Gold Inc.; oral communication 1989). An early phase is dominated by pyrite, pyrrhotite, galena, bismuth-telluride, and silver-telluride. The gold mineralization is associated with this early, sulfide-rich phase. An intermediate phase, composed of chalcopyrite, sphalerite, and minor galena, occurs in small fractures within sulfides of the early phase and is followed by a late phase of calcite, ankerite and siderite.
Native gold occurs as 0.001 to 0.003mm sized inclusions in pyrite and pyrrhotite and is closely associated with bismuth- and silver-

tellurides. The silver content of the gold is less than 20%. A few inclusions of native gold were noted to occur within the siderite gangue.
An intense alteration halo, consisting of sericitization, chloritization, silicification, pyritization, and carbonatization surrounds the mineralization.

The bedding orientations of the pyroclastic rocks vary from 135° to 165° and have a dip of 45° to the southwest to vertical.
The structural setting is complex with several trends of fractures and shear zones controlling as well as off-setting and partly shearing the mineralization. A statistical analysis of structural trends indicates two main trends for the mineralization: one striking northeast and one striking northwest to north-northwest. Steeply dipping mineralized shoots appear to be controlled by the intersections of these two trends. A post-mineralization fault, with a trend of 162° and a dip of 41° to the east, undercuts the mineralized area at the south side of the showing.

A closely-spaced exploration grid was established over the Main Zone, which was subsequently geologically mapped and systematically sampled, including several blasted trenches. A total of 229 chip channel samples were taken from the mineralization and the adjacent hostrock (Figure 89-06; Appendix A). Values of up to 9.73g Au/t and 26.68g Ag/t over a width of 8.0m were obtained.

3.1.2 NORTH ZONE

The North Zone is located 350m north-northwest of the Main Zone and is about 250m higher in elevation (Figure 89-04). The Zone is moderately gossanous and characterized by an intense yellow staining that is probably caused by secondary alunite and jarosite. It consists of several parallel, north-northwest trending, steeply southwest dipping (152°/75°SW) mineralized zones that are hosted by

a biotite crystal tuff (Figure 89-07). The mineralization is cut off by several faults.
The mineralization consists of, in order of abundance, pyrite, sphalerite, and galena. A good correlation exists between gold content and amount of galena and sphalerite.
The surface sampling has yielded values of up to 39.10g Au/t and 324.91g Ag/t over 1.65m.

3.1.3 WILLOUGHBY ZONE

The Willoughby Zone is located 1150m due north of the Main Zone, separated from the latter by a precipitous glacier/icefall (Figure 89-04). The Zone is about 15 by 8m in size and was initially discovered by C.Leitch in 1979 (Downing 1980). The style of mineralization is similar to that of the central Willoughby nunatak.
Mineralization consists of semi-massive to massive pyrite and sphalerite with traces of chalcopyrite and galena within a sulfide-rich breccia. It is hosted by andesitic pyroclastics (agglomerate and tuff) and argillaceous limestone (Figure 89-08). The mineralization trends north-northwest (165°) and is offset by an east-west (85°) trending fault with right lateral displacement.
The andesitic pyroclastics have a north-northwesterly strike and a shallow to moderately steep dip to the southwest. The agglomerates are underlain by a sequence of black argillites to the east and grade up-section into a biotite crystal tuff

Twenty-one surface rock samples were taken and yielded values of up to 10.55g Au/t and 15.90g Ag/t over 1.50m.

A macro-fossil from the limestone horizon associated with this Zone has been tentatively identified as Heteropora tipperi Henderson and Perry, a bryozoa of Latest Pliensbachian or Early Toarcian age

(H.Tipper 1989, written communication; Henderson and Perry 1981).

3.1.4 EDGE ZONE

The Edge Zone is situated between the North and Main Zones, and is approximately 150m higher in elevation than the latter (Figure 89-04). The Zone consists of several mineralized structures (Figure 89-09) that are referred to as the Southern, Central, Northern, and Lower Edge structures, respectively.
The most significant of these zones is the Northern Edge Zone. The trend of this mineralization varies from east-west (092°/86°N) to southeast-northwest (138°/70°SW). Semi-massive pyrite, sphalerite, and galena is hosted by strongly sericitized, silicified, and chloritized andesitic tuff. Disseminated sulfide mineralization extends from the steeply dipping mineralized structure laterally into the hostrock parallel to its bedding.
A grab sample from this zone yielded 370.31g Au/t and 12,220.00g Ag/t. Rock samples taken over widths yielded up to 12.25g Au/t and 17.35g Ag/t over 2.60m.

The Central Edge structure consists of a strike persistent quartz - calcite - ankerite - sulfide structure trending 105°and dipping 75° to the north. It is associated with a strong carbonatization of the surrounding pyroclastic hostrock. Values of 8.07g Au/t and 13.40g Ag/t over 0.15m were obtained from this zone.

Located close to the base of the cliff, a few metres above the bergschrund, the Lower Edge Zone is controlled by the intersection of two structures (155°/58°NE and 050°/78°SE, respectively). The mineralization consists of massive, coarse crystalline pyrite. A one square metre square sample yielded 1.89g Au/t and 14.20g Ag/t.

Three samples were taken during the initial property visit from the southern Edge Zone. No significant values were obtained and the

zone was not further evaluated during this program.

3.1.5 UPPER ICEFALL ZONE

The Upper Icefall Zone, located at the southern margin of the central Willoughby nunatak (Figure 89-04), is structurally controlled by two faults (148°/75°NE and 025°/62°SE) and their intersection. A prominent fault with an orientation of 135° and a dip of 36° to the southwest cuts off the mineralization towards the northeast. The mineralization consists of semi-massive pyrite with minor pyrrhotite and galena, and is associated with intense sericitization and silicification of the surrounding fine grained pyroclastic hostrock (Figure 89-10). The bedding of the pyroclastics is highly variable. The mineralized Zone and its hostrock was systematically sampled (Figure 89-11). Values of up to 24.51g Au/t and 72.80g Ag/t over 1.50m were obtained.

A drill pad, designed to test the intersection of the two mineralized structures at about 25m below surface, was constructed, but later abandoned due to constant heavy rockfall. Alternative safe positions for set-ups are available further away from the Zone and would translate into a deeper cut for the initial drill testing.

Prof.Dr.C.Godwin, Department of Geological Sciences, University of British Columbia, conducted several lead isotope analyses on two galena samples from the Upper Icefall Zone. The objective of this study was to determine if the mineralization is related to the Lower Jurassic or the Tertiary mineralizing events known from the Stewart - Iskut Gold Camps (Alldrick et al, 1987). The Lower Jurassic mineralization consists of the economically more viable gold-silver and gold-silver-lead-zinc-copper deposits. The Tertiary mineralization event is characterized by smaller, high silver lead-zinc veins that are spatially associated with molybdenum and/or

tungsten occurrences.
The weighted mean of the lead isotope ratios for the Upper Icefall samples compares with those of the Silbak-Premier, Scotty Gold, Johnny Mountain Mines and indicates a Jurassic age for the mineralization of the Willoughby nunatak. This age is supported by the Early Jurassic bryozoa identified at the Willoughby Zone.

3.1.6 OTHER ZONES

Several other gold-bearing mineralized zones were identified at the central Willoughby nunatak (Figure 89-04).
The Lower Icefall Zone (Figure 89-12) yielded values of up to 6.6g Au/t and 10.79g Ag/t over 4.80m from chip-channel samples. A blasted trench returned a value of 1.22g Au/t and 17.40g Ag/t over 2.50m.
The Zone consist of several massive pyrrhotite/pyrite/chalcopyrite lenses along a northeasterly striking structure (048°/65°SE) that forms a dip-slope in the area where the Zone is exposed.

The Kiwi Zone is situated between the Upper Icefall and the Main Zones. The Zone consists of a massive pyrite/pyrrhotite/chalcopyrite lens which is oriented sub-parallel to the slope and is represented by one sample that yielded 0.7g Au/t and 37.30g Ag/t over 5.00m.

The Ledge Zone consists of several mineralized structures close to the base of the central nunatak. The mineralization consists of disseminated to semi-massive pyrite and sphalerite and is controlled by east-northeast (065°/75°NW) to northeast (049°/60°SE), as well as north-northwest (165°/75°SW), trending structures. Only a few samples have been taken from this zone, one of which yielded 6.37g Au/t and 384.80g Ag/t over 0.30m along a north-northwest trending structure.

The NN (North-North) Zone is a gossaneous area within a more or less vertical cliff face north of the North Zone. The disseminated to semi-massive pyrite mineralization occurs along north- northwestern (150°/78°NE; 158°/66°SW) as well as along north-eastern (055°/77°NW) trending structures. The alteration consists of strong sericitization and silicification.
Of the three samples taken from this Zone one yielded 24.80g Au/t and 11.10g Ag/t over 0.50m. This sample is from a north-northwest trending, steeply west dipping structure and contains traces of galena.

A gold-bearing massive sulfide (pyrite, sphalerite, arsenopyrite, and chalcopyrite) float collected from the moraine of the Willoughby glacier indicates a slightly different style of mineralization than that so far identified in outcrop at the Willoughby nunataks. The petrographic study done for this specimen (Payne 1988) shows native gold up to 0.1mm in size closely associated with arsenopyrite. Smaller grains of gold also occur with chalcopyrite, galena, and pyrite.

3.2 DIAMOND DRILLING

Of the nine mineralized Zones identified to date on the Willoughby nunataks four were tested by drilling (Main, North, Edge, and Willoughby Zones). A total of 1708.61m (BQ thin wall core) was drilled in 14 holes and 831 samples were taken from the core. Possible locations for drill set-ups were limited due to the steepness of the terrain. Some of the Zones had to be drilled at oblique angles, or from the footwall side.

Significant intersections have been summarized in Table 3. Table 4 shows the legend that has been used for coding the lithology, alteration, and mineralization on the drill sections (Figures 89-13 to 22).

CORE STORED AT BASE CAMP ON THE WILL 51 CLAIM

TABLE 3: SIGNIFICANT DIAMOND DRILL INTERSECTIONS

HOLE	FROM(m)	TO(m)	LENGTH(m)	Au(g/t)	Ag(g/t)
MZ89.01	25.50	27.00	1.50	1.21	2.00
MZ89.02	45.50	59.00	13.50	1.76	3.74
	63.50	66.50	3.00	1.10	0.90
MZ89.03	42.50	45.50	3.00	3.24	40.95
MZ89.04	37.50	39.00	1.50	6.75	133.50
	46.50	48.00	1.50	29.75	27.80
	59.50	70.00	10.50	7.56	45.90
MZ89.05	45.00	48.00	3.00	4.99	63.50
	96.50	98.00	1.50	2.88	3.80
NZ89.06	22.00	42.50	20.50	24.98	184.21
NZ89.07	39.00	40.00	1.00	2.92	87.50
NZ89.08	6.05	7.55	1.50	6.75	63.10
	20.50	28.30	7.80	1.58	78.59
includes	21.46	22.96	1.50	2.01	219.80
WZ89.09	74.00	75.50	1.50	1.02	20.80
WZ89.11	111.00	136.50	25.50	2.46	10.39
WZ89.12	102.00	103.50	1.50	3.70	76.60
EZ89.13	54.00	61.50	7.50	1.47	1.12
EZ89.14	53.70	58.20	4.50	1.70	0.63

	ROCKTYPE		ALTERATION		ALT INTENSITY		MINERALIZATION	SULF
	PYROCLASTICS	A	chloritic				PYRITE	
1	ASH/DUST TUFF <1/16mm	B	epidote	1	very weak(matrix)	a	disseminated	%
2	COARSE ASH TUFF <2mm	C	carbonate	2	weak (matrix)	b	diss.cubic pyrite	%
3	LAPILLI TUFF <64mm	D	albite	3	weak (phenos)	c	stringers	%
4	AGGLOMERATE >64mm	E	propylitic	4	weak (matrix+phenos)	d	diss + stringers	%
5	CRYSTAL TUFF	F	sericitic	5	patchy	e	qtz/cc stringers	%
		G	silica/cherty	6	moderate	f	small pods	%
	INTRUSIVE ROCKS	H	silica/stwork	7	strong	g	veinlets	%
6	HBL PORPHYRY	I	phyllic	8	pervasive (NRT)	h	semi-massive	%
7	HBL PORPHYRY DYKE	K	tourmaline			i	massive	%
8	HBL/PLAG PORPHYRY	L	adular					
9	KSPAR GRANODIORITE	M	biotite				PY AND PO	
10	APLITE DYKE	N	potassic			k	disseminated	%
11	ANDESITIC DYKE	O	argillic			l	stringers	%
12	QUARTZ DIORITE	P	clay			m	diss + stringers	%
		Q	pyrite			n	small pods	%
	SEDIMENTARY ROCKS	R	hornfels			o	veinlets	%
13	ARGILLITE	S	skarn			p	semi-massive	%
14	SHALE	T	limonitic			q	massive	%
15	FOSSILIFEROUS LIMESTONE	U	MnOx					
							PY/PO +SPH/GA	
						r	disseminated	%
						s	stringers	%
						t	diss + stringers	%
						u	small pods	%
						v	veinlets	%
						w	semi-massive	%
						x	massive	%

TABLE 4: LEGEND (LITHOLOGY - ALTERATION - MINERALIZATION)

3.2.1 MAIN ZONE

The surface work at the Main Zone was followed by diamond drilling. A total of 694.58m was drilled in five holes (MZ89.01 trough MZ89.05; Figure 89-13 to 15). All five holes were drilled from the same set-up. Significant intersections have been tabulated in Table 3.
The best values were obtained from a 10.5m core interval in hole MZ89.04 that yielded 7.56g Au/t (8.05g Au/t for the metallic assays of the same interval) and 45.9g Ag/t. A few specks of visible gold were noted. This intersection consists of semi-massive pyrrhotite and pyrite with traces of chalcopyrite which are hosted by andesitic agglomerate.

Considering the structural complexity there is not sufficient data for a confident three-dimensional interpretation of the drill results or the calculation of drill-inferred reserves. The data, however, allow the assumption of a V- or L-shaped, steeply east plunging minerlized shoots the location of which is controlled by the two dominant pre- or syn-mineralization fault systems. Further drilling could test this model.

3.2.2 NORTH ZONE

The Zone was tested by three holes (total of 326.62m), all drilled from the same set-up (holes NZ89.06 trough NZ89.08; Figure 89-16 and 17). Hole NZ89.06 intersected 20.50m of 24.98g Au/t and 184.21g Ag/t. The best single 1.50m section within that interval yielded 167.00g Au/t and 492g Ag/t. Metallic assays for 19.5m of this interval gave a value of 28.11g Au/t. The mineralization consists of pyrite, sphalerite, and galena (up to 20%) that occur as disseminations, as clots and blebs, and as anastomosing stringers

and veinlets. Sphalerite and galena are also associated with carbonate-quartz stringers, pyrite with stringers of dark chlorite. The hostrock is strongly sericitized and chloritized, partly silicified andesitic crystal tuff.

Hole NZ89.08 intersected two intervals containing visible electrum. The first interval yielded 6.75g Au/t (metallic assay of 5.23g Au/t) and 63.10g Ag/t over 1.50m. The electrum is associated with a mm-sized, vuggy quartz-carbonate veinlet within a chloritized crystal tuff.

A value of 2.01g Au/t (metallic assay of 1.03g Au/t) and 219.80g Ag/t over 1.50m was obtained from the second interval. The pin head sized fleck of electrum occurs with disseminated sphalerite and galena.

3.2.3 WILLOUGHBY ZONE

Diamond drilling totalling 489.88m in four holes, WZ89.09 to WZ89.12, (Figures 89-18 to 20) have been completed on the Willoughby Zone. Semi-massive to massive pyrite-sphalerite-chalcopyrite zones, which represent the down-dip and strike extensions of the surface showing, were intersected. Weakly anomalous gold and silver values are associated with these zones (WZ89.09: 0.52g Au/t and 7.4g Ag/t over 6m; WZ89.10: 0.44g Au/t and 7.5g Ag/t over 6m; WZ89.11: 0.34g Au/t and 2.9g Ag/t over 4.50m).

The best values were obtained from hole WZ89.11 with a 25.50m intersection running 2.46g Au/t and 10.39g Ag/t. This section includes a 6m interval returning 8.13g Au/t and 12.80g Ag/t. The intersection consists of a chloritized and partly weakly silicified andesitic agglomerate with minor sulfide mineralization. Pyrite (3%) and minor sphalerite occur as disseminations and as irregular pods and patches associated with carbonate and chlorite stringers.

3.2.4 EDGE ZONE

Two holes, EZ89.13 and EZ89.14 (Figures 89-21 and 22, respectively), were drilled to test the northern Edge Zone structure.

Hole EZ89.13 intersected the mineralized structure over a core length of 3.90m and approximately 22m below the surface. The mineralization consists of 15% pyrite and is associated with abundant carbonate-quartz stringers. Values of 1.47g Au/t and 1.12g Ag/t over 7.50m were obtained from this zone and its footwall.

The second hole intersected the northern Edge structure about 35m below surface and about 10m west of the intersection in hole EZ89.13. Two mineralized sections constitute this zone. They are separated by a 3.12m section of ash tuff. The first section has a core length of 3.50m and is composed of 50% pyrite, 25% magnetite, carbonate and carbonate stringers, sericite, chlorite, epidote, and garnet. It runs 1.7g Au/t and 0.62g Ag/t over 4.50m. The second. 4.73m wide section has a similar composition and yielded a value of 0.41g Au/t and 0.77g Ag/t over 4.50m.

3.3 RECONNAISSANCE GEOLOGY

Several reconnaissance traverses were conducted in the area west of the contact between the Hazelton Group rocks and the sediments of the Bowser Lake Group. For most of these traverses the use of technical climbing gear was necessary. The objective of this reconnaissance program was to evaluate the area underlain by Hazelton Group rocks for the occurrence of mineralization similar to that encountered at the Willoughby nunataks.

The general sequence of the Hazelton Group for the property area consists of, from east to west and stratigraphically up, carbonaceous argillites, a sequence of mixed argillites and

and pyroclastics, andesitic agglomerates with pods of fossiliferous argillaceous limestone, lapilli and ash tuff, and crystal tuff. The strike is usually to the north-northwest with westerly dips.
Numerous dykes and small intrusions, ranging in composition from rhyolitic to andesitic, cross-cut the volcano-sedimentary sequence. The dykes usually trend north-northwest. A hornblende - plagioclase porphyry stock of andesitic composition has intruded calcareous argillites and strongly chloritic andesites in the cirque area of the Del Norte Glacier.

To date, only a small portion of the area underlain by Hazelton Group rocks can be regarded has having been examined adequately.

3.3.1 TURTLE RIDGE

A reconnaissance traverse was conducted along Turtle Ridge (Figure 89-03), from Turtle Peak west toward the Cambria Icefield. Mineralization is restricted to fracture fillings and narrow quartz veins hosted by a sequence of interlayerd tuffs, tuff breccias, and argillites.
No significant gold values were obtained from the nine samples taken in this area. A grab sample from a malachite-stained, up to 1m wide quartz/alteration structure yielded a high silver value (44.50g Ag/t).

3.3.2. BUFALO PEAK AND RIDGE

Several traverses were conducted in the area of Bufalo Peak (2225m elevation), a prominent mountain about 2.5km north of the Main Showing. A northerly trending, highly gossaneous, mineralized zone (Bufalo Zone), at least 100m in length and 5 to 20m in width, occurs

at the southeastern flank of this mountain. The Zone consists of semi-massive to massive pyrite with minor amounts of galena. It is hosted by a limestone reef and andesitic pyroclastics (tuff and agglomerate). Values of up to 3.98g Au/t and 31.30g Ag/t over 1.50m, as well as 13.10g Au/t and 5.5g Ag/t in grab samples were obtained.

Similar massive pyrite and galena mineralization associated with fossiliferous limestone, was encountered just below the summit of Bufalo Peak and along the southern ridge. A grab sample from this area yielded 1.46g Au/t and 36.20g Ag/t.

At the western slope of Bufalo Peak a series of at least four subparallel, northwest trending (135°/75°NE to 160°/84°NE) quartz - carbonate - barite veins, with up to 50% sphalerite, were encountered. The veins have a width of up to 0.40m. Samples from these structures yielded anomalous silver values but no gold.

3.3.3 DEL NORTE

A traverse was carried out down the moraines of the Del Norte glacier. Numerous well mineralized boulders (20-50% pyrite) were sampled. The dominant mineralization is pyrite, although some boulders with up to 5% sphalerite and 1-2% galena were also noted. One boulder containing near massive pyrite and about 5% sphalerite assayed 22.25g Au/t and 60.60g Ag/t.

These boulders indicate other mineralized area(s) within the catchment basin of the Upper Del Norte glacier.

Another reconnaissance traverse extending around the cirque of the Del Norte glacier resulted in a value of 33.20g Au/t and 8.80g Ag/t from a grab sample of a small fracture (145°/78°NE) mineralized with pyrite, sphalerite, and galena. The structure is hosted by strongly chloritic andesitic agglomerate.

3.3.4 OTHER AREAS

Waton Mountain, a massive, 2255m high peak at the eastern edge of the Cambria Icefield (2.5km north-northwest of the Main Zone; Figure 89-03), displays an extensive area with iron-carbonate alteration at its western flank. The yellow-brown weathering alteration zone is developed within andesitic tuffs. Samples high in silver (up to 103.90g/t) were obtained from quartz - barite - hematite veins within that alteration. The gold values for this area are low.

An airphoto lineament study undertaken for the property (Touborg 1989) indicate the widespread occurrence of trends with the same orientation as those controlling the mineralization at the Willoughby nunataks. These trends and especially their intersections, if associated with gossaneous areas, constitute promising follow-up targets.

Another target area not yet tested is the contact between the Hazelton Group and the Bowser Lake Group in the eastern portion of the property. This northerly trending contact is associated with a highly gossaneous shear zone farther to the north (Porter Creek showing; MI103P/005).

4.0 CONCLUSIONS AND RECOMMENDATIONS

At least ten gold-bearing zones have been identified on the Willoughby property. Significant gold mineralization was encountered in the first round of drilling at the Willoughby nunataks. This includes a 20.5m interval in hole NZ89.06 that yielded 24.98g Au/t and 184.21g Ag/t, as well as several intersections with visible gold or electrum in holes MZ89.04 and NZ89.08.

Gold is associated with the sulfide-rich phase of a multiphase mineralization event. Northwest to north-northwest and northeast to east-northeast trending fault and shear zones control the mineralization. The intersections of these two dominant structural trends may localize depth persistent ore shoots. Significant gold values have so far been encountered over a vertical distance of 350m (Main Zone to Willoughby Zone), indicating a very good vertical continuity of the gold mineralization.

Several mineralized zones were identified in other areas of the property during reconnaissance traverses. Large portions of the property remain essentially unexplored.

There is strong evidence (lead isotope data; Lower Jurassic macro-fossils) that the mineralization is part of the Early Jurassic metallogenic event that is genetically related to the major gold deposits of the Stewart Gold Camp (Silbak-Premier Gold Mine).

The exploration potential of this property is excellent. Further drilling, especially on the Main and North Zones, is clearly warranted to follow up the significant results of the initial drilling. The Upper and Lower Icefall zones should also be tested by drilling.

The portion of the property underlain by Hazelton Group rocks and the contact between Hazelton and Bowser Lake Groups should be further evaluated. Stream sediment and talus geochemistry could be considered to assist in that evaluation.

5.0 COST STATEMENT

1989 WILLOUGHBY PROJECT - EXPLORATION EXPENDITURES

Salaries and wages (permanent and temporary)	36,460.80
Commercial air travel	6,000.80
Meals and accommodations	1,389.17
Vehicle rental and expenses	147.60
Aircraft Charter Fixed Wing	1,342.25
Diamond Drilling	332,000.86
Helicopter (25h @ $ 705/h)	17,625.00
1:1,000 base map	2,630.00
Assays and Analyses	36,067.01
Expediting	955.29
Field Equipment/Mountaineering Gear	6,609.11
Equipment rentals	301.99
Consulting (airphoto interpretation)	336.11
Office supplies	370.69
Printing	70.33
Report preparation (Estimate)	2,500.00
Total Expenditures	$ 444,807.01

6.0 CERTIFICATE OF QUALIFICATION

I, Andreas Hans Vogt, of 3342 West 7th Avenue, Vancouver B.C. do hereby certify that:

1. I have studied Mining Geology at the Universities of Muenchen and Goettingen (both West Germany) and the Austrian Mining University in Leoben and have received a M.Sc equivalent in Mining Geology from the Austrian Mining University in December of 1982.

2. I am a fellow in good standing of the Geological Association of Canada.

3. I am a member of the German Geological Society, Geological Society of America, Computer Oriented Geological Society, affiliated member of the Association of Exploration Geochemists.

4. I have continuously practised my profession since my graduation in Canada, Spain, West Germany, Cyprus, Austria, and Chile.

5. I am employed by Bond Gold Canada Inc..

6. The statements in this report are based on field work and office compilation on the Willoughby property. The field work was carried out from July 03 to August 07 of 1989. I have personally conducted or supervised the work described in this report.

Dated at Vancouver this 12th day of December, 1989.

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APPENDIX A

ROCK SAMPLE DESCRIPTIONS

MAINZONE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
8175	MZ	1.50	0.17	4.00	sil, carb	2% py	blue grey sil rock, light rust
8176	MZ	1.50	0.05	0.80	sil, carb	1% py diss	Mn stained
8177	MZ	1.50	0.03	1.20	sil, carb	2% py diss	light Mn stained
8178	MZ	1.50	0.03	0.80	highly sil, carb	5% py diss	some quartz within Mn staining present
8179	MZ	1.50	0.03	0.20	highly sil, carb	3% py diss	grey green, more carb, less sil
8180	MZ	1.50	0.03	0.20	highly sil, carb	2% py diss	grey green, more sil
8181	MZ	1.50	0.12	1.60	highly sil, carb	2% py diss	more granular, Mn stained
8182	MZ	1.50	0.93	49.60	highly sil, carb	10% py clots vnlets	heavy Mn stained, green grey
8183	MZ	1.50	0.06	3.80	highly sil, carb	15% py clots vnlets	heavy Mn stained, green grey
8184	MZ	2.00	0.03	6.80	highly sil, carb	7% py clots vnlets	heavy Mn stained, green grey
8185	MZ	1.50	0.03	7.60	highly sil, carb	3% py diss	some Mn staining, grey host
8186	MZ	1.50	0.30	12.00	highly sil, carb	5% py diss	some Mn staining, grey host
8187	MZ	1.50	0.03	4.00	highly sil, carb	3% py diss	some Mn staining, grey host
8188	MZ	1.50	2.55	32.20	highly sil, carb	2% py diss	some Mn staining, grey host
8189	MZ	1.50	1.62	16.80	highly sil, carb	3% py diss	heavy Mn stained, very weathered
8190	MZ	1.50	0.06	12.80	rusty vuggy	1% py diss	very weathered Mn stained
8191	MZ	1.50	0.03	2.80	highly sil, carb	1% py diss	light Mn staining grey
8192	MZ	1.50	0.05	2.10	sil carb	tr py diss	minor Mn staining
8193	MZ	1.50	0.04	2.90	sil carb	tr py diss	moderate Mn staining
8194	MZ	1.50	0.18	5.40	sil carb	tr py diss	moderate Mn staining, rusty
8195	MZ	1.50	0.06	2.00	sil carb	tr py diss	moderate Mn staining, rusty
8196	MZ	1.50	0.02	1.10	sil carb	1% py	moderate Mn staining, rusty
8197	MZ	1.50	0.03	1.10	sil carb, qtz-carb	1% py	abundant Mn staining, rusty
8198	MZ	1.50	0.07	3.00	sil carb	tr py	moderate Mn staining, rusty
8199	MZ	1.50	1.92	5.70	sil carb	3% py	very heavy Mn staining, very rusty
8200	MZ	1.50	0.38	7.00	sil carb	5% py diss and clots	very heavy Mn staining, very rusty
8201	MZ	1.50	0.64	48.90	sil carb	20% py 25%po	very heavy Mn staining, very rusty, white coating on sur
8202	MZ	1.50	0.50	33.50	sil carb	10% py as clots	very heavy Mn staining, rusty
8203	MZ	1.50	0.80	33.30	sil carb	4% py diss	heavy Mn staining, rusty
8204	MZ	1.50	0.18	9.90	sil carb	1% py diss	light mn staining
8205	MZ	1.50	0.36	24.50	sil carb	25% py	heavy Mn staining, rusty
8206	MZ	1.50	0.94	63.30	sil, carb	3% py diss	Heavy Mn staining
8207	MZ	1.50	1.01	23.30	sil, carb	5% py diss	Heavy Mn staining, rusty
8208	MZ	1.50	2.65	132.30	sil, carb	10% py finely diss	Heavy Mn staining, rusty
8209	MZ	1.50	0.21	7.10	sil, carb	2% py diss	Heavy Mn staining, rusty
8210	MZ	1.50	0.05	3.00	sil, carb	1% py diss	Mn staining
8211	MZ	1.50	0.17	3.90	sil, carb	2% py diss	light Mn staining
8212	MZ	1.50	0.21	4.10	sil, carb	2% py diss	heavy Mn staining, some quartz
8213	MZ	1.50	1.73	4.80	sil, carb	tr py diss	light Mn staining
8214	MZ	1.50	0.43	3.60	sil, carb	1% py diss	light Mn staining
8215	MZ	1.50	1.00	23.40	sil, carb	1% py diss	light Mn staining
8216	MZ	1.50	0.82	17.40	light sil, carb	1% py diss	light Mn staining
8217	MZ	1.50	5.82	21.70	light sil, carb	1% py diss	light Mn staining
8218	MZ	1.50	0.83	8.10	light sil, carb	tr py diss	light Mn staining, some quartz
8219	MZ	1.50	0.04	1.30	sil carb	1% diss py	Mn stained, rusty
8220	MZ	1.50	0.04	1.60	sil carb	tr diss py	Mn stained, rusty
8221	MZ	1.50	0.17	2.80	sil carb	tr diss py	Heavy Mn stained, rusty, 5% quartz
8222	MZ	1.50	0.17	4.70	sil carb	10% diss & vnlts py	Mn stained, very rusty
8223	MZ	1.50	2.02	62.20	sil carb	15% py, 2% galena	Mn stained, very rusty
8224	MZ	1.50	4.35	34.60	sil carb	3% py, 2% galena	Mn stained, very rusty, vuggy, weathered
8225	MZ	1.50	0.45	20.20	sil carb	5% py	Mn stained, very rusty
8226	MZ	1.50	0.26	16.10	sil carb	15% py	Mn stained, rusty
8227	MZ	1.50	0.79	12.70	sil carb	3% py	Mn stained, rusty
8228	MZ	1.50	0.17	2.10	sil carb	tr py	Mn stained, light rust
8229	MZ	1.50	0.43	2.00	sil carb	tr py	Mn stained, light rust
8230	MZ	1.50	2.95	4.00	sil carb	3% py	Heavy Mn stained, deeply weathered
8231	MZ	1.50	0.41	23.00	sil carb	10% py	Heavy Mn stained, deeply weathered

MAINZONE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
37001	MZ	2.00	1.22	10.60	highly sil, carb	near mass py	above samp 13, 2m sample after blast on nose
37002	MZ	1.50	0.50	32.20	highly sil, carb	50% py	resample of 89 after blast
37003	MZ	1.00	0.14	28.80	highly sil, carb	35% py	resample of 9 after blast
37004	MZ	1.00	7.19	51.60	highly sil, carb	50% py	resample 8 after blast
37005	MZ	1.00	3.90	9.60	highly sil, carb	5% diss py	2m above sample 8 in sil sulphide poor material
37006	MZ	1.00	8.32	36.00	highly sil, carb	30% py clots, diss	resample 9 after blast
37018	MZ	1.50	6.36	18.10	sil, carb	70% py, po, cpy	blast at end oc
37028	MZ	1.50	9.42	22.00	weathered qtz-carb	heavy py	chanel above rat hole, dark metalic vein, app pos L45 6-7
37029	MZ	2.50	0.07	7.80	sil carb	heavy py	2m wide draw in heavy sulphides, L36 1.5-4.0S
37040	MZ	2.50	0.78	14.70	sil carb	30% py 5% po tr cpy	Tr 6 MZ after blast
8101	MZ	1.50	0.54	4.20	carb, sil	8% py	granular py on fract
8102	MZ	1.50	0.13	0.20	carb, sil	2-3% diss py	brown siderite, ankerite
8103	MZ	1.50	0.10	0.30	carb, sil	3-4% py	some discontinuous py
8104	MZ	1.50	0.03	0.20	carb, sil	3-4% py	some discontinuous py
8105	MZ	1.50	0.03	0.10	intense carb, sil	1-2% diss py	limonitic surface
8106	MZ	1.50	0.04	0.10	highly sil, carb	3% diss py	Mn stain on surface
8107	MZ	1.50	0.10	0.70	highly sil, carb	2-3% diss py	brown ankerite, siderite
8108	MZ	1.50	0.02	0.20	very sil	3% py as diss cubes	light grey very hard
8109	MZ	1.50	0.06	4.50	sil, carb	1-2% diss py	Mn stained on surface
8110	MZ	1.50	0.03	0.70	sil, carb	1% diss py	brown sid, ank
8111	MZ	1.50	0.04	1.00	highly sil, carb	2-3% py	
8112	MZ	1.50	0.02	0.20	sil, carb	3-4% diss py	rusty, siderite, ankerite
8113	MZ	1.50	0.12	4.90	sil, carb	20% py mass & diss	heavy Mn staining
8114	MZ	1.50	0.06	0.20	sil, carb	1% diss py	Mn stained on surface
8115	MZ	1.50	0.02	0.20	sil, carb	tr py	more sil, ankerite
8116	MZ	1.50	0.07	4.10	sil, carb	tr py	1-5mm stringers qtz carb
8117	MZ	1.50	0.02	2.00	minor sil, carb	tr py	qtz carb string to 5mm
8135	MZ	1.50	0.03	0.20	sil, carb	7% py	rusty, Mn stained
8136	MZ	1.50	0.17	9.70	sil, carb	15% py	rusty, Mn stained
8137	MZ	1.50	0.03	0.50	sil, carb	7% py	rusty, Mn stained
8139	MZ	1.50	0.03	0.90	sil	1-2% diss py	altered volcanic
8140	MZ	1.50	0.03	0.50	sil	1% fine diss py	altered volcanic
8141	MZ	1.50	0.18	12.00	sil	40% mass & diss py	altered volcanic
8142	MZ	1.50	0.26	9.70	sil	25% patchy	Mn stain
8143	MZ	1.50	0.03	0.60	sil	5% diss py	Mn stain
8144	MZ	1.50	0.18	0.80	sil	4% diss py	Mn stain
8145	MZ	1.50	0.26	0.30	sil	4% diss py	Mn stain
8146	MZ	1.50	0.03	4.50	sil	3% diss py	rusty Mn
8147	MZ	1.50	0.05	13.20	sil	15% diss py	heavy Mn
8153	MZ	1.50	0.04	5.20	sil. minor carb	5% diss py	rusty Mn
8154	MZ	1.50	1.68	69.90	sil. minor carb	8% diss py	rusty Mn, sphalerite, galeno
8155	MZ	1.50	0.03	0.60	sil. minor carb	2% diss py	Mn rusty
8156	MZ	1.50	0.03	1.00	sil. minor carb	1% diss py	Mn rusty
8157	MZ	1.50	0.05	0.80	sil. minor carb	10% diss py	Mn rusty
8158	MZ	1.50	0.14	1.90	sil. minor carb	5% diss py	more carbonate than before
8159	MZ	1.50	0.03	0.10	sil. minor carb	3% diss py	quartz - 15% as vein material
8160	MZ	1.50	0.07	7.10	sil. minor carb	1% diss py	minor Mn
8165	MZ	1.50	0.14	9.00	sil carb	1% py	minor diss py, Mn stained
8166	MZ	1.50	0.20	16.40	very sil	10% py	sulphides as clots, patches, Mn stained
8167	MZ	1.50	1.15	30.60	very sil, carb	12% py	sulphides as clots, patches, Mn stained
8168	MZ	1.50	0.08	6.40	sil, carb	1% py	diss py, light Mn stain
8169	MZ	1.50	0.11	13.60	sil, carb	3% py	diss py, Mn stain
8170	MZ	1.50	0.28	11.80	sil, carb	2% py	20% quartz vein
8171	MZ	1.50	0.31	9.00	sil, carb	2% py	grey sil rock, low sulphides
8172	MZ	1.50	0.06	5.40	sil, carb	3% py	altered rock light rust
8173	MZ	1.50	0.25	13.00	sil, carb	3% py	blue grey sil rock, light rust
8174	MZ	1.50	0.03	0.80	sil, carb	1% py	blue grey sil rock, light rust

MAINZONE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
8232	MZ	1.50	1.98	14.30	sil carb	tr py	Heavy Mn stained, deeply weathered
8233	MZ	1.50	0.99	5.90	sil carb	1% py	Heavy Mn stained, rusty
8234	MZ	1.50	0.24	3.20	sil carb	tr py	Sheared rock, rusty
8235	MZ	1.50	0.41	5.00	sil, minor carb	tr py	rusty, light Mn staining
8236	MZ	1.50	0.20	1.90	sil, minor carb	1% py	rusty, light Mn staining
8237	MZ	1.50	1.45	8.90	sil, minor carb	4% py	rusty, Mn staining, some quartz carbonate
8238	MZ	1.50	0.24	3.50	sil, carb	5% py	rusty, Mn staining, some quartz carbonate
8239	MZ	1.50	0.10	1.60	sil, carb	2% py	rusty, minor Mn staining
8240	MZ	1.50	0.02	0.80	sil, carb	tr py	rusty, minor Mn staining
8241	MZ	1.50	0.05	0.70	sil, carb	1% py	rusty, minor Mn staining
8242	MZ	1.50	0.03	1.40	sil, carb	1% py	very rusty, minor Mn staining
8243	MZ	1.50	0.22	6.50	sil, carb	2% py	very rusty, heavy Mn staining
8244	MZ	1.50	0.39	14.00	oxidized	no visible sulphides	very rusty, heavy Mn staining, very deeply weathered
8245	MZ	1.50	15.50	15.90	oxidized, sil	2% py	very rusty, heavy Mn staining, very deeply weathered
8246	MZ	1.50	0.61	13.40	oxidized, sil	2% py	very rusty, heavy Mn staining, very deeply weathered
8247	MZ	1.50	0.82	2.50	sil, carb	2% py	very rusty, heavy Mn staining
8248	MZ	1.50	0.45	3.00	sil, carb	3% py	very rusty, light Mn staining, quartz carbonate
8249	MZ	1.50	5.32	8.40	sil, carb	3% py	very rusty, light Mn staining, quartz carbonate
8250	MZ	1.50	4.87	12.00	sil, carb	5% py diss, clots	Rusty brown, minor Mn
8251	MZ	1.50	0.77	9.50	sil, carb	2% py diss, clots	Rusty brown, minor Mn
8252	MZ	1.50	0.37	2.20	sil, carb	3% py diss, clots	Rusty
8253	MZ	1.50	1.07	5.00	sil, carb	10% py diss, clots	Rusty, heavy Mn staining
8254	MZ	1.50	3.61	13.50	sil, carb	7% py diss, clots	Rusty, heavy Mn staining, deeply weathered
8255	MZ	1.50	1.89	10.30	sil, carb	60% py diss, 10% Po	Fresh lightly rusted surface
8256	MZ	1.50	4.11	93.60	sil, carb	10% py diss, clots	Fresh quartz carbonate veins in part.
8257	MZ	1.50	0.08	4.50	sil, carb	tr% py diss, clots	In part quartz carbonate veins.
8258	MZ	1.50	0.02	1.10	sil, carb	tr py	no description
8259	MZ	1.50	0.43	2.40	sil, carb	tr py	Blue grey color, light rusting
8260	MZ	1.50	0.07	1.90	sil, carb	2% py	Blue grey color, light rusting
8261	MZ	1.50	5.48	12.60	sil, carb	10% py	Heavy rusted, light Mn stain
8262	MZ	1.50	0.02	1.50	sil, carb	tr py	blue grey color, light rusting
8263	MZ	1.50	0.07	1.30	very sil	tr py	blue grey color, light rusting, Mn staining
8264	MZ	1.50	0.11	2.20	sil, carb	2% py	blue grey color, light rusting, Mn staining
8265	MZ	1.50	4.70	144.10	sil, carb	1% py	Light colored rock, deeply weathered, Mn staining
8266	MZ	1.50	0.15	2.80	sil, carb	2% py	Light colored rock, deeply weathered, Mn staining
8267	MZ	1.50	0.04	1.70	sil, carb	tr py	Lightly rusted
8268	MZ	1.50	0.17	0.90	sil, carb	tr py	Lightly rusted
8269	MZ	1.50	0.16	0.60	sil, carb	tr py	Very lightly rusted in part quartz carbonate
8270	MZ	1.50	0.09	0.40	sil, carb	tr py	Very lightly rusted
8271	MZ	1.50	0.25	1.10	sil, carb	tr py	Very lightly rusted
8272	MZ	1.50	1.26	6.10	sil, carb	5% py, tr sph	Rusty, Mn stained.
8273	MZ	1.50	7.53	8.60	sil, carb	25% py	Lightly rusty, Mn stained.
8274	MZ	1.50	0.30	2.20	sil, carb	1% py	Lightly rusty, Mn stained.
8275	MZ	1.50	1.72	1.60	sil, carb	1% py	Rusty, Mn stained, deeply weathered
8276	MZ	1.50	0.51	1.90	sil, carb	2% py	Rusty, Mn stained, deeply weathered
8277	MZ	1.50	1.90	16.10	sil, carb	5% py	Heavely rusted, Mn stained, deeply weathered, abundnt ca
8278	MZ	1.50	2.55	24.80	sil, carb	15% py	Heavely rusted, Mn stained, deeply weathered, abundnt ca
8279	MZ	1.50	0.18	0.70	minor sil, carb	tr py	Fresh rock in part quartz carbonate.
8280	MZ	1.50	0.13	2.70	sil, carb	tr py	Rusted, Mn stained
8281	MZ	1.50	0.02	1.10	sil, carb	tr py	Lightly rusted, light Mn stain.
8282	MZ	1.50	0.01	0.60	sil, carb	tr py	Lightly rusted, light Mn stain.
8283	MZ	1.50	0.21	10.90	sil, carb	tr py	Heavily rusted, heavy Mn stain, weathered.
8284	MZ	1.50	0.14	3.50	sil, carb	3% py	Rusted, light Mn stain
8285	MZ	1.50	0.06	1.20	sil, carb	2% py	Rusted, light Mn stain
8286	MZ	1.50	0.04	2.60	sil, carb	tr py	Rusted, light Mn stain
8287	MZ	1.50	0.08	1.70	sil, carb	1% py	Lightly rusted, light Mn stain.
8288	MZ	1.50	0.04	0.90	sil, carb	2% py	Rusted, light Mn stain.

MAINZONE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
8289	MZ	1.50	0.02	2.70	sil carb	no visible sulphides	Rusty, Mn stained
8290	MZ	1.50	0.01	2.20	sil carb	no visible sulphides	Rusty, Mn stained
8291	MZ	1.50	0.02	2.40	strong sil, carb	no visible sulphides	Rusty, heavy Mn stained
8292	MZ	1.50	0.02	2.80	strong sil, carb	.5 to 1% py	Rusty, heavy Mn stained
8293	MZ	1.50	0.06	3.60	rusty	no visible sulphides	Rusty, mostly quartz, hevy Mn staining
8294	MZ	1.50	0.41	3.60	sil, chl	tr py	Rusty, Mn staining
8295	MZ	1.50	0.28	5.10	sil, carb, chl	no visible sulphides	Some rusting, Mn staining
8296	MZ	1.50	0.23	7.80	sil, carb, chl	tr py, tr sph	Some rusting, Mn staining
8297	MZ	1.50	0.18	9.60	sil, carb	tr py	Less rusting, Mn staining
8298	MZ	1.50	0.20	11.40	sil, carb, chl	1% sph	Light rusting
8299	MZ	1.50	0.22	3.60	sil, carb, chl	no visible sulphides	Mn stained, quartz stringer
8300	MZ	1.50	0.30	15.50	sil	no visible sulphides	Frsh rusting, Mn staining, quartz stringer
8301	MZ	1.50	0.01	7.20	sil, carb	1% py	Rusty, rotted sulphide
8302	MZ	1.50	0.01	5.20	sil, carb	1% py, 1% sph	Rusty, Mn stained, rotted sulphide
8303	MZ	1.50	0.20	9.20	sil, carb	tr py	Rusty, Mn stained, rotted sulphide
8304	MZ	1.50	0.01	4.20	sil, carb, chl	2% py	Rusty, Mn stained
8305	MZ	1.50	0.04	7.70	sil, carb	7% py	Rusty, Mn stained, rotted sulphide, quartz vein
8306	MZ	1.50	0.31	3.60	sil, carb, chl	tr cpy	Rusty, Mn stained, mostly quartz - carbonate
8307	MZ	1.50	0.12	6.70	sil, carb, chl	tr py, tr cpy tr sph	Very rusty, heavy Mn stain
8308	MZ	1.50	0.02	3.10	chl	no visible sulphides	Heavy Mn stained, mostly quartz - carbonate
8309	MZ	1.50	0.83	4.00	sil, carb	.5% py, tr cpy	Heavy Mn stained, mostly quartz - carbonate
8310	MZ	1.50	0.03	3.70	sil, carb, chl	tr py	Light rust, Mn stained
8311	MZ	1.50	0.02	2.80	sil, carb	no visible sulphides	Mn stained, mostly quartz - carbonate

UPPER MAINZONE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
37032	UBMZ	1.50	0.37	3.70	sil carb	15% py	very heavy Mn stain
37033	UBMZ	1.50	0.06	1.00	sil carb	tr py	very heavy Mn stain
37034	UBMZ	1.50	0.25	5.00	sil carb	5% py	very heavy Mn stain, heavy rust deeply weathered
37035	UBMZ	1.50	0.20	6.20	sil carb	7% py	very heavy Mn stain, heavy rust deeply weathered
37036	UBMZ	1.50	0.25	5.30	sil carb	2% py	very heavy Mn stain, heavy rust deeply weathered
37037	UBMZ	2.00	0.61	5.30	sil carb	5% py	very heavy Mn stain, heavy rust deeply weathered
37038	UBMZ	2.00	0.23	2.60	sil carb	30% py	very heavy Mn stain, less rusty, deeply weathered
37039	UBMZ	1.50	0.22	2.50	sil carb	20% py	very heavy Mn stain, less rusty, deeply weathered

NORTH ZONE AND NORTH-NORTH SHOWING ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
8016	NRTH	1.00	3.42	51.40	ser,sil	5% py, tr sph	sections with up to 25% py; strongly altered
8017	NRTH	1.50	0.83	29.90	ser,sil	1% py	weakly to moderatly limonitic; diss euhedral py
8018	NRTH	1.50	4.43	26.30	ser,sil	1% py	weakly to moderatly limonitic; diss euhedral py
8019	NRTH	1.00	3.60	33.10	ser,sil	2% py	weakly to moderatly limonitic; diss euhedral py
8020	NRTH	1.50	0.62	7.20	ser,sil	1% py	weakly to moderatly limonitic; diss euhedral py
8021	NRTH	1.50	0.78	21.70	ser,sil	2% py	weakly to moderatly limonitic; diss euhedral py
8022	NRTH	1.20	0.40	9.60	ser,sil	1% py	weakly to moderatly limonitic; diss euhedral py
8023	NRTH	1.30	0.61	7.60	ser,sil	3% py	weakly to moderatly limonitic; diss euhedral py
8024	NRTH	1.35	8.43	16.20	sil, ser	7-10% py	adjacent to sample 8152
8025	NRTH	1.40	0.22	5.10	weakly sil, chl	tr py	adjacent to sample 8152
8026	NRTH	1.70	5.00	125.70	sil, ser	7% py	continuous with 8025
8027	NRTH	0.75	25.50	30.80	sil, ser	5-7% py	adjacent to 8151
8028	NRTH	1.00	5.13	319.00	sil, ser	15% py	
8029	NRTH	1.00	36.45	520.40	sil, ser	7% py	// 153/73 SW
8030	NRTH	0.80	1.30	18.90	sil, ser	10% py	// 154/85 NE
8031	NRTH	1.00	5.92	74.20	sil, ser	12% py, 2% ga	3m below sample 8028
8032	NRTH	0.95	41.10	174.30	sil, ser	10% py, 2% sph	// 155/67 SW, 2 m below sample 8151
8033	NN	1.00	1.01	5.00	sil, ser	5% py	150/78 NE
8034	NN	0.50	24.80	11.10	sil, ser	2% py, tr ga	170/68 W
8035	NN	0.70	1.47	11.30	sil, ser	5% py	same structure as 8034, 158/66 SW
8151	NRTH	0.90	50.44	570.00	ser, sil	25-50% py, sph, ga	3 m below sample 88-100; true width is 0.90 m
8152	NRTH	1.00	17.21	104.30	ser, sil	15-30% py, sph	4 m north of sample 88-100
8161	NRTH	0.15	1.41	7.50	sil, ser, carb	ga, sph	zone of semi-mass galena and sphalerite
8162	NRTH	1.00	71.37	170.60	sil, ser, carb	2% diss py	representative sample for the North Zone; 1m panel

WILLOUGHBY ZONE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
37901	WILL	1.50	10.55	15.90	sil	50% py, 10% sph	orange brown rusty
37902	WILL	1.50	0.39	4.40	sil	40% py, 4% sph	orange brown rusty
37903	WILL	1.50	0.16	4.50	sil	30% py, 1% sph	orange brown rusty
37904	WILL	1.50	0.49	3.70	sil, carb	10% py	orange brown rusty, deeply weathered, open spaces
37905	WILL	1.50	0.17	4.90	sil, carb	30% py, 1% sph	orange brown rusty, Mn stained
37906	WILL	1.50	0.16	3.90	sil, carb	15% py, 1% sph	orange brown rusty, Mn stained
37907	WILL	1.50	0.02	0.80	sil, carb	2% py	orange brown rusty, Mn stained
37908	WILL	1.50	0.01	1.60	carb, minor sil	5% py	orange brown rusty, deeply weathered
37909	WILL	1.50	0.03	2.00	sil carb	3% py diss	light grey sil rock, rusty orange brown
37910	WILL	1.50	0.02	1.70	sil carb	5% py diss	light grey sil rock, rusty orange brown
37911	WILL	1.50	0.01	0.50	sil carb	1% py diss	light grey sil rock, light rusting
37912	WILL	1.50	0.06	0.60	sil, carb	tr py	
37913	WILL	1.50	0.81	8.50	sil, carb	5% py	Vuggy surface
37914	WILL	1.50	0.42	16.70	sil, carb	10% py, 2% ga	
37915	WILL	1.50	0.44	15.20	sil, carb	7% py, tr ga	Grey, micaceous groundmass
37916	WILL	1.50	1.92	12.70	sil, carb	7% py as veins	Light grey groundmass
37917	WILL	1.50	0.15	0.20	sil, carb	2% py	Light grey groundmass
37918	WILL	1.50	0.06	0.70	sil, carb	4% py diss	Light grey groundmass, rusty
37919	WILL	1.50	0.03	1.30	sil, carb	1% py diss	Light grey groundmass, rusty
37920	WILL	1.50	0.06	1.20	sil, carb	1% py diss	Light grey groundmass, rusty
37921	WILL	1.50	0.04	1.70	sil, carb	1% py diss	Light grey groundmass, rusty

WILLOUGHBY GLACIER MORAINE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
37007	WSMo	0.10	0.03	0.50	sil	2% diss py	very rusty,extremely hard bldr from Will North Moraine
37008	WSMo	0.10	0.03	0.60	qtz-carb	3% py	prob vein material
37009	WSMo	0.10	0.03	0.30	qtz-carb	tr py diss	rusty qtz-carb bldr from will north moraine
37010	WSMo	0.10	0.03	0.50	very sil	25% py	bldr with heavy py as cubes to 3mm, very sil, blue grey
37011	WSMo	0.10	0.03	0.30	very sil, qtz-carb	20% py, tr bo	hard sil material with qtz-carb vein material
37022	WNMo	0.10	1.33	95.20		35% po 1% cpy	North Will moraine near top
37023	WNMo	0.10	4.99	67.60		30% po 1% cpy 5% po	North Will moraine near top
37024	WNMo	0.10	1.85	29.70		15% po 1% cpy	North Will moraine near top, lt col aphitic host near top
37025	WNMo	0.10	0.38	36.80		25% py	North Will moraine near top, in white vuggy quartz
37026	WNMo	0.10	2.94	30.70	sil & carb	20% py	North Will moraine near top, sil & carb host, near top
37027	WNMo	0.10	1.85	37.40		20% py 1% cpy	North Will moraine near top

EDGE ZONE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
8069	NEDG	0.15	16.01	59.50	chl, ser, sil	7-50% py,2% sph,2%ga	close to western limit of zone; parallel to 092/86N
8070	NEDG	1.00	2.92	5.30	ser, sil	tr ga, 2% py	10 cm wide zone with 1-2% galena; 3-5% pyrite
8071	NEDG	0.40	11.21	36.90	chl, ser	40% py,1% ga,1% sph	western most sample from Edge Zone
8072	NEDG	1.25	1.61	11.70	ser, sil	3-5% py, tr sph	taken 20 m from anchor
8073	NEDG	1.55	3.85	8.80	ser, sil	3% py, tr ga	taken 25 m from anchor; sample 8074 continuous with 8073
8074	NEDG	1.55	1.79	8.00	ser, sil	1% py, tr ga	taken 25 m from anchor;sample is continuous with 8073
8075	NEDG	1.30	17.90	29.70	ser, sil	2% py, 1% ga	taken at 29.6 m from anchor; continuous with 8076
8076	NEDG	1.30	6.60	5.00	ser, sil	1% py, tr ga	sample of # 8163
8077	NEDG	1.00	0.82	8.50	ser, sil	2% py, tr ga	taken 35 m from anchor
8078	NEDG	0.10	0.98	11.10	ser, sil	5% py, tr ga	taken 43.5 m from anchor
8079	CEDG	0.20	0.40	2.10	carb, ser, chl	5-10% py	qtz/carb/sulf structure // 105/80N, 104/71N
8080	CEDG	0.15	8.07	13.40	carb, ser, chl	50 % py, 5% sph	qtz/carb/sulf structure // 105/80N, 104/71N
8081	CEDG	0.10	6.46	6.60	carb, ser, chl	40-45% py	qtz/carb/sulf structure // 105/80N, 104/71N
8149	LEDG	0.26	3.57	330.00	ser, sil	py, sph, ga	massive sulfide mineralization parallel to 138/70SW
8150	LEDG	1.00	1.89	14.20	ser, sil	diss to sm py	min controlled by structures // to 155/58 and 050/78SE
8163	LEDG	0.05	370.31	12200.00	sil, ser, carb	sm py; minor ga, sph	distinct zone of sulf min // 130/70NE within wider altzon

UPPER ICEFALL ZONE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
8036	UIF	1.50	0.54	6.40	sil, ser	1-2% py	Line 60m E.
8037	UIF	1.50	0.79	5.80	sil, ser	1% py	Line 60m E.
8038	UIF	1.50	2.04	16.90	sil, ser	tr py	Line 60m E.
8039	UIF	1.50	0.37	3.80	sil, ser	4% py	Line 45m E.
8040	UIF	1.50	0.59	7.50	sil, ser	1% py, tr cpy	Line 45m E.
8041	UIF	1.50	2.45	37.60	sil, ser	4% py, tr sph	Line 45m E.
8042	UIF	1.50	5.32	16.00	sil, ser	3-4% py	Line 45m E.
8043	UIF	1.50	0.18	2.70	sil, ser	1-2% py	Line 45m E.
8044	UIF	1.50	0.13	2.40	sil, ser	1% py	Line 45m E.
8045	UIF	1.50	0.04	2.60	sil, ser	tr py	Line 45m E.
8046	UIF	1.50	0.21	3.30	sil, ser	1% py	Line 45m E.
8118	UIF	1.50	0.35	0.90			Line 50m E.
8119	UIF	1.50	0.12	1.40			Line 50m E.
8120	UIF	1.50	0.97	5.50			Line 50m E.
8121	UIF	1.50	0.20	5.80			Line 50m E.
8122	UIF	1.50	8.39	31.90			Line 50m E.
8123	UIF	1.50	3.15	29.00			Line 50m E.
8124	UIF	1.50	1.89	5.00			Line 50m E.
8125	UIF	1.50	1.15	16.00			Line 50m E.
8126	UIF	1.50	1.14	18.20			Line 50m E.
8127	UIF	1.50	0.08	0.10	sil, carb	3% py clots, cubes	Line 55m E.
8128	UIF	1.50	0.20	5.90	sil, carb	3% diss py	Line 55m E.
8130	UIF	1.50	1.56	16.90	carb, sil	5% py	Mn stained Line 55m E.
8131	UIF	1.50	0.71	31.70	carb, sil	7% py	Mn stained Line 55m E.
8132	UIF	1.50	0.96	16.60	carb, sil	10% py	Mn stained Line 55m E.
8133	UIF	1.50	24.51	72.80	carb, sil	5% py	Vein vert, Mn stained Line 55m E.
8134	UIF	1.50	0.16	0.20	carb, sil	3% py	Mn stained Line 55m E.
8312	UIF	1.50	0.71	14.70	sil, carb	2% py	Line 45m E, Rusty Mn stained.
8313	UIF	1.50	0.99	43.50	sil, carb	2% py	Line 45m E, Rusty Mn stained.
8314	UIF	1.50	19.15	1092.90	sil, carb	15% py	Line 45m E, Rusty Mn stained.
8315	UIF	1.50	0.20	11.40	sil, carb	5% py	Line 45m E, Rusty Mn stained.
8316	UIF	2.00	0.01	4.60	sil, carb	2% py	Line 40m E, Light rusty, Mn stained.
8317	UIF	1.50	0.17	4.90	sil, carb	1% py	Line 40m E, Light rusty, Mn stained.
8318	UIF	1.50	0.25	3.00	sil, carb	3% py	Line 40m E, Light rusty, Mn stained.
8319	UIF	1.50	0.20	1.90	sil, carb	1% py	Line 40m E, Yellow brown, rusty Mn stained.
8320	UIF	1.50	0.14	2.70	sil, carb	1% py	Line 40m E, Yellow brown, rusty Mn stained.
8321	UIF	1.50	0.25	4.20	sil, carb	5% py	Line 40m E, light rusty, Mn stained.
8322	UIF	1.50	0.36	4.10	sil, carb	1% sulphide	Line 40m E, light rusty, Mn stained.
8323	UIF	1.50	0.26	2.40	sil, carb	3% py, 1% ga	Line 40m E, light rusty, Mn stained.
8324	UIF	1.50	0.31	4.80	sil, carb	3% py	Line 40m E, very weak rusty, Mn stained, deeply weathered.
8325	UIF	1.50	1.36	12.50	sil, carb	5% py, 5% ga	Line 40m E, very weak rusty, Mn stained, deeply weathered.
8326	UIF	1.50	0.61	6.60	sil, carb	3% py, tr ga	Line 40m E, rusty, Mn stained.
8327	UIF	1.50	0.16	5.40	sil, carb	1% py	Line 40m E, light rusty, Mn stained.
8328	UIF	1.50	0.33	2.10	sil, carb	1% py	Line 40m E, light rusty, Mn stained.
8329	UIF	1.50	0.20	3.30	sil, carb	.5% py	Line 40m E, light rusty, Mn stained.
8330	UIF	1.50	0.31	3.50	sil, carb	tr py	Line 40m E, light rusty, Mn stained.
8331	UIF	1.50	0.38	4.20	carb sericite sil	no visible sulphides	Line 40m E, yellow brown rust.
8332	UIF	1.50	2.36	5.70	carb sericite sil	1% po	Line 40m E, rusty, deeply weathered.
8333	UIF	1.50	1.89	24.10	carb sericite sil	1% py	Line 40m E, yeelow brown, deeply weathered.
8334	UIF	1.50	0.27	7.80	carb sericite sil	2% py	Line 40m E, yellow brown, light weathered, Mn stained.
8335	UIF	1.50	0.05	2.50	carb sericite sil	1% py	Line 35m E, Dark brown, rusty, Mn stained.
8336	UIF	1.50	0.36	9.30	carb sericite sil	7% py	Line 35m E, very rusty, Mn stained.
8337	UIF	1.50	0.32	6.90	carb sericite sil	6% py	Line 35m E, very rusty, Mn stained.
8338	UIF	1.50	0.28	4.70	carb sericite sil	4% py	Line 35m E, very rusty, Mn stained, deeply weathered.
8339	UIF	1.50	4.16	9.80	carb sericite sil	1% py, tr po	Line 35m E, very rusty, Mn stained, lightly weathered.
8340	UIF	1.50	0.18	5.00	carb sericite sil	.5% py, tr po	Line 35m E, Yellow brown, rusty, lightly weathered.
8341	UIF	1.50	0.64	4.50	carb sericite sil	.5% py, tr po	Line 35m E, Yellow brown, rusty, lightly weathered, Mn str

UPPER ICEFALL ZONE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
8342	UIF	1.50	0.45	1.10	carb sericite sil	.5% py	Line 35m E, Yellow brown, rusty, lightly weathered, Mn st
8343	UIF	1.50	0.07	1.30	carb sericite sil	<.5% py	Line 35m E, yellow brown, rusty.
8344	UIF	1.50	0.11	2.70	carb sericite sil	1% py	Line 30m E, Slight yellow brown, rusty.
8345	UIF	1.50	0.26	3.00	carb sericite sil	3% py, .5% po	Line 30m E, Slight yellow brown, rusty, Mn stained, wthrd
8346	UIF	1.50	2.20	4.70	carb sericite sil	3% py, .5% sph	Line 30m E, very rusty, Mn stained, deeply weathered.
8347	UIF	2.00	0.15	2.70	carb sericite sil	2% py	Line 25m E, Mn stained, lightly weathered.
8348	UIF	1.50	0.21	6.40	carb sericite sil	1% py	Line 20m E, Mn stained.
8349	UIF	1.50	0.70	10.80	carb sericite sil	3% py	Line 20m E, very rusty, Mn stained, lightly weathered.
8350	UIF	1.50	0.29	1.20	carb sericite sil	3% py	Line 20m E, Yellow brown, rusty, lightly weathered.
8351	UIF	1.50	0.59	1.40	carb sericite sil	5% py	Line 20m E, very rusty, Mn stained, lightly weathered.
8352	UIF	1.50	0.43	3.70	carb sericite sil	2% py	Line 20m E, light brown, rusty, Mn stained, light weathrd
8353	UIF	1.50	0.20	2.70	carb sericite sil	2% py	Line 20m E, light brown, rusty, Mn stained, light weathrd
8354	UIF	1.50	0.39	2.90	carb, sil	2% py	Line 20m E, yellow brown, rusty, Mn stained, weathered.
8355	UIF	1.50	0.06	2.30	carb, sil	1% py	Line 20m E, light brown, rusty, lightly weathered.
8356	UIF	1.50	0.35	1.40	carb sericite	tr py	Line 15m E, light brown stain, lightly weathered.
8357	UIF	1.50	1.57	3.70	carb, sil	.5% py	Line 15m E, light brown, rusty, lightly weathered.
8358	UIF	1.50	0.38	4.50	carb, sil	2% py, tr ga	Line 15m E, yellow brown, rusty, lightly weathered.
8359	UIF	1.50	0.02	0.60	carb, sil	1% py	Line 15m E, yellow brown stain, lightly weathered.
8360	UIF	1.50	0.96	0.70	carb, sil	tr py	Line 10m E, rusty, lots of quartz, lightly weathered.
8361	UIF	1.50	1.41	1.00	carb, sil	tr py	Line 10m E, rusty, lots of quartz, lightly weathered.
8362	UIF	1.50	0.67	1.20	carb, sil	trace lead, grey min	Line 10m E, rusty, mostly quartz vein.
8363	UIF	1.50	0.49	2.30	carb, sil	3% py	Line 5m E, very rusty, deeply weathered.
8364	UIF	1.50	1.22	11.50	carb, sil	4% py	Line 5m E, very rusty, deeply weathered.
8365	UIF	1.50	0.38	1.10	carb, sil	5% py	Line 5m E, very rusty, deeply weathered.
8366	UIF	1.50	3.55	3.10	carb, sil	5% py	Line 5m E, very rusty, deeply weathered.
8367	UIF	1.50	0.60	6.70	carb, sil	5% py	Line 5m E, very rusty, deeply weathered.
8368	UIF	1.50	0.14	3.20	carb, sil	1% py	Line 5m E, very rusty, Mn stained, deeply weathered.
8369	UIF	1.50	0.01	0.70	carb, sil	1% py	Line 5m E, light brown stain, lightly weathered.
8370	UIF	1.50	0.24	12.50	carb, sil	4% py	Base Line 3.5m to 5m, very rusty, deeply weathered.
8371	UIF	1.50	0.18	4.20	carb, sil	5% py	Base Line 2m to 3.5m, very rusty, deeply weathered.
8372	UIF	1.00	0.03	0.80	carb, sil	3% py	Base Line 1m to 2m, yellow brwon. deeply weathered.

LEDGE ZONE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
8001	LEDG	0.30	0.40	9.60	ser, sil	sm py, sph	// 070/84NW
8002	LEDG	1.00	0.41	9.10	ser, sil	diss to sm py	// 049/60SE

TURTLE RIDGE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
8007	TRTL	0.40	0.28	3.00	limonitic	20% py	Recon Turtle Ridge; // 048/86NW
8008	TRTL	0.10	0.02	0.50	ser, sil	tr diss py	Recon Turtle Ridge; grab; 123/60NE
8009	TRTL	0.10	0.14	2.70	limonitic	10% py	Recon Turtle Ridge; grab; alt & min along small fracture
8010	TRTL	0.50	0.03	15.30	limonitic	1% cpy	Recon Turtle Ridge; quartz vein; cpy min at footwall
8011	TRTL	0.80	0.26	6.10	sil, ser	1% py, cpy	Recon Turtle Ridge; alteration zone // 051/65SE
8012	TRTL	1.00	0.06	6.10	ser	5% py	Recon Turtle Ridge; shear zone // 135/77SW
8013	TRTL	0.10	0.13	0.50	limonitic	no visible sulphides	Recon Turtle Ridge; grab; alteration // 045/78NW
8014	TRTL	0.10	0.05	1.00	limonitic	tr. py, cpy	Recon Turtle Ridge; network of NE and NW trending frac
8015	TRTL	0.20	0.30	44.50	sil	25% py; cpy	Recon Turtle Ridge;Quartz alteration structure //105

BUFALO MOUNTAIN ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
8047	BUFZ	0.10	0.09	0.90	sil	10% py	Bufalo Ridge; @ 7350'.
8048	BUFZ	0.10	0.03	14.30	sil	10% py	Bufalo Ridge; @ 7350'.
8049	BUFZ	0.10	0.18	21.10	sil	10% py	Bufalo Ridge; @ 7350'.
8050	BUFZ	0.10	0.21	13.00	sil	75% py,2% sph,1% ga	Bufalo Ridge; suboutcrop; assoc. with limestone horizon.
8051	BUFZ	0.10	0.41	24.70	sil	65% py	Bufalo Ridge; suboutcrop; assoc. with limestone horizon.
8052	BUFZ	0.10	0.03	89.40	sil	60% py, 3% ga	Bufalo Ridge; suboutcrop; assoc. with limestone horizon.
8053	BUFZ	0.10	0.04	1.80	sil	3% diss py	Bufalo Ridge; suboutcrop; assoc. with limestone horizon.
8054	BUFZ	0.10	1.46	36.20	sil	95% py	Bufalo Ridge; suboutcrop; assoc. with limestone horizon.
8055	BUFZ	0.10	0.03	3.80	sil, FeOx	80% py	Bufalo Ridge; suboutcrop; @ 7150'.
8056	BUFZ	0.10	0.04	1.80	sil, FeOx	75% py	Bufalo Ridge; suboutcrop; @ 7150'.
8057	BUFZ	0.10	0.06	1.50	sil, FeOx	7% py	Bufalo Ridge; shear // 112/55 SW.
8058	BUFZ	0.10	0.03	1.60	sil, FeOx	10% py	Bufalo Ridge; shear // 150 degrees.
8059	BUFZ	0.10	0.19	14.00	qtz	40% sph, tr py	Bufalo W Ridge; qtz/cc/ba vein; 135/75 NE.
8060	BUFZ	0.15	0.05	11.60	qtz	40%, 1-2% py	Bufalo W Ridge; qtz/cc/ba vein; 154/69 NE.
8061	BUFZ	0.10	0.13	7.30	qtz	15-20% sph, 3% py	Bufalo W Ridge; qtz/cc/ba vein; 160/84 NE.
8062	BUFZ	0.15	0.04	11.90	qtz	30% sph	Bufalo W Ridge; qtz/cc vein; 148/82 NE.
8063	BUFZ	0.15	0.02	8.10	qtz	35-40% sph, 2-3% py	Bufalo W Ridge; qtz/cc vein; 150/70 NE.
8064	BUFZ	0.18	0.01	2.10	qtz	4% sph,tr cpy, tr py	Bufalo W Ridge; qtz/cc vein; 143/81 NE.
8065	BUFZ	0.20	0.02	3.60	qtz, FeOx	1% cpy	Bufalo W Ridge; qtz structure // 120 degrees.
8066	BUFZ	0.15	0.20	3.40	qtz	4% (py, cpy, sph)	Bufalo W Ridge; qtz structure 120/88 NE; @ 6650'.
8067	BUFZ	0.10	0.41	12.90	qtz	25% sph, 1% cpy	Bufalo W Ridge; qtz stockwork to breccia; @ 6500'.
8068	BUFZ	0.20	0.08	1.20	ser, sil	4% diss py	Bufalo W Ridge; alteration zone trending 045 to 055 deg.
38101	NRDG	1.50	0.01	1.10	sil	no visible sulphides	qtz vein & sil rock (bk argill & tuff).
38102	NRDG	1.50	0.02	1.60	sil	no visible sulphides	qtz vein & sil rock (bk argill & tuff) 30 m from 38101.
38103	NRDG	1.00	0.02	7.40	rusty	20% py	Downhill on steep west slope, rusty sulphide -rich limest.
38104	NRDG	1.00	0.01	1.70	sil	20% py	Downhill on steep west slope, yellow stained sil shear.
38105	NRDG	0.75	0.01	1.80	sil	60% py	Downhill on steep west slope, sil mass. sulphide .5 m wide
38106	NRDG	1.00	0.30	10.90	sil	10% py	On steep W slope, rusty sil zone with yellow staining.
38107	NRDG	1.50	0.17	2.50	sil	no visible sulphides	Qtz stringer silicified zone similar to 38101.
38108	NRDG	0.50	0.03	1.40	sil., rusty	trace py	Shear at 130/90 in mainly tuff.
38109	NRDG	0.00	0.01	1.40	sil	5% py	Float! Qtz-rich zone 10-15 cm wide in agglomerate.
38110	NRDG	1.50	0.13	0.20	qtz vein	barren	Quartz vein in places brecciated.
38111	NRDG	0.25	0.07	4.80	sil	10% sph, tr py & tet	Qtz-sulphide vein in agglom. Bedding 130/st.
38701	BUFZ	1.50	0.57	9.80	rusty, Mn-stained	95% py	
38702	BUFZ	1.50	3.98	31.30	carb, sil	5% py	Frothy rusted.
38703	BUFZ	1.50	3.77	55.00	carb, chl, sil	10% py	
38704	BUFZ	1.50	0.42	8.90	carb, sil	3-5% py	
38705	BUFZ	1.50	0.52	9.70	carb, chl, sil	10% py	
38706	BUFZ	1.50	0.05	4.40	carb, chl, sil	5% py	
38707	BUFZ	1.50	0.02	2.50	carb, chl, sil	tr py	
38708	BUFZ	1.50	0.02	1.20	carb, sil	tr py	
38709	BUFZ	1.50	0.49	24.00	carb, chl, sil	5% py	
38710	BUFZ	1.50	0.22	5.10	carb, chl, sil	30% py	
38711	BUFZ	1.50	0.17	3.10	carb, chl, sil	10% py	
38712	BUFZ	1.50	1.85	39.00	carb, chl, sil	40% py	
38713	BUFZ	1.50	0.61	15.90	carb, chl, sil	90% py, 2% cpy	
38714	BUFZ	1.50	2.23	65.50	carb, chl, sil	70% py	Frothy rusted.
38715	BUFZ	1.50	0.39	10.40	carb, chl, sil	95% py	
38716	BUFZ	1.50	0.80	17.40	carb, sil	10% py	
38717	BUFZ	1.50	0.02	2.20	carb, chl, sil	5% py	
38718	BUFZ	1.50	0.20	3.90	carb, chl, sil	1-2% py	
38719	BUFZ	1.50	0.63	15.10	carb, chl, sil	1-2% py	
38720	BUFZ	1.50	0.20	1.40	carb, chl, sil	5% py	
38721	BUFZ	1.50	0.20	2.40	carb, sil	2% py	
38722	BUFZ	1.50	0.21	1.50	carb, chl, sil	tr py	
38723	BUFZ	1.50	1.31	26.60	carb, sil	50% py, tr cpy	
38724	BUFZ	1.50	1.26	28.80	carb, chl, sil	80% py	Sulphides very rusty.

BUFALO MOUNTAIN ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
38725	BUFZ	1.50	0.03	2.10	carb, sil	5% py	
38726	BUFZ	1.50	0.01	0.80	carb, sil	5% py	
37836	TOP	0.50	0.01	0.60	extremely silicified	no visible sulphides	Rusty silicified partly brecciated limestone reef.
37837	TOP	1.50	0.02	1.90	extremely silicified	no visible sulphides	Rusty silicified partly brecciated limestone reef.
37838	BUFZ	0.15	0.58	124.90	very altered (?)	10% gal, 10% py	Galena bearing mineralized zone on east side of peak.
37839	BUFZ	1.00	0.02	4.00	very alt, carb (?)	50% py	Mineralized zone on east side of peak.
37840	BUFZ	1.00	0.04	3.00	very alt, carb (?)	50% py	20 % qtz-carb in altered volcanic rock (?) in min. zone.
37841	EAST	1.20	0.20	4.90	sil	trace py	Silicified shear in limestone reef and assoc volcs.
37842	EAST	0.10	13.10	5.50	sil	5% py	Rusty silicified zone in reef.
37843	EAST	0.10	0.05	4.10	carb	sph 6%	Sphalerite-rich calcite pods in reef.

DEL NORTE GLACIER AND CIRQUE ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
8003	DNC	0.10	0.60	1.10		semi-massive pyrite	grab; fracture // 155/60NE; within black argillites
8004	DNC	0.10	33.20	8.80	ser, sil	diss-sm py; ga, sph	grab; fracture // 145/78NE; chlotitic agglomerate
8005	DNC	0.10	0.24	4.00		2% py, cpy	grab; hostrock of # 8004
8006	DNC	0.10	0.11	1.90		tr to 2% py	grab; // 146/67NE
37030	DNG1	0.10	0.88	8.10	sil carb	30% heavy py	heavy py as cubes & diss, mustard colored, elev 4400
37031	DNG1	0.10	0.02	0.90	very sil	heavy py 15%	heavy py as clots & diss, minor Mn stain, elev 4400
4467	DNG1	0.10	0.02	1.00		20% py	ele 4400, Del Norte glacier
4468	DNG1	0.10	0.01	2.10		20% py	ele 4400, Del Norte glacier
4469	DNG1	0.10	0.08	8.20	very sil little carb	20% diss py in clots	mustard Mn stain, Del Norte Glacier
4470	DNG1	0.10	0.06	1.00	very sil little carb	20% diss py in clots	mustard Mn stain, Del Norte Glacier, 1/2 x 1/2m
4471	DNG1	0.10	22.25	60.60		near mass py 5% Sph	Del Norte Glacier
4472	DNG1	0.10	0.41	3.10		50% py, tr sph	weathered, minor Mn stain, Del Norte Glacier
4473	DNG1	0.10	0.40	1.80	sil. little carb	50% py, 3% sph	minor Mn stain, Del Norte Glacier
4474	DNG1	0.10	0.24	4.40	quartz & sil vol	5% py	heavy Mn stain, Del Norte Glacier
4475	DNG1	0.10	0.10	3.30	very sil, hard	70% py	rusty, little Mn stain, Del Norte Glacier
4476	DNG1	0.10	0.02	6.30	soft, weathered	40% py	Mn stained, Del Norte Glacier
4477	DNG1	0.10	0.01	3.40	very sil little carb	5% py, 3% sph	up & S of 4476, sm morraine, Del Norte Glacier
4478	DNG1	0.10	0.02	1.60	very sil little carb	10% py	up & S of 4476, sm morraine, Del Norte Glacier, qtz vni
4479	DNG1	0.10	0.20	5.10	soft very alt	near massive py	Mn stained & rusty, Del Norte Glacier
4480	DNG1	0.10	0.02	1.00	qtz matrix	near mass py qtz 60%	Del Norte Glacier
4481	DNG1	0.10	1.20	4.70	hard sil, vol	35% py, 5% sph	same location as 4482, Del Norte Glacier
4482	DNG1	0.10	0.61	4.70	soft, weathered	35% py, 5% sph	same location as 4481, Del Norte Glacier
4483	DNG1	0.10	0.15	0.90	soft weathered surf	70% py	minor moraine N of main opp from DC, Del Norte Glacier

WATON MOUNTAIN ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
38120	WTON	0.00	0.02	1.40	sil	no visible sulphides	Qtz veined andesitic tuff in part vuggy. 6900 ft.
38121	WTON	1.20	0.02	1.50	sil., fe-carb	3% py	Orange-brown weathered andesitic tuff
38122	WTON	0.00	0.03	0.70	sil		Subcrop! Heavily qtz-chlorite veined crystal tuff.
38123	WTON	0.00	0.01	0.10	very rusty		Very dense rusty material from float.
38124	WTON	3.00	0.04	0.60	qtz veins	no visible sulphides	Dk green andesitic tuffs with numerous qtz veins 2-15 cms
38125	WTON	0.00	0.01	1.70	rusty	no visible sulphides	Very rusty porous tuff? .15 by 2 m long.
38126	WTON	0.40	0.02	0.70	sil	3% py	Silicified shear .4 m wide.
38127	WTON	0.00	0.01	0.90	sil., rusty		7050 ft. Subcrop! Rusty silicified sheared tuff (025') 1m
38128	WTON	3.00	0.02	0.80	fe-carb., hematite?		Yellow-brown weathered lapilli tuff, 3m wide zone.
38129	WTON	0.00	0.02	103.90	sil	3% cp, 5% barite	Vuggy qtz vein up to 25 cms wide & andesitic tuff 120/90'
38130	WTON	0.00	0.03	53.80		1% py. 95% barite.	Float! Massive barite vein probably 15 cm wide.
38131	WTON	0.00	0.01	9.30	sil	spec hem 5%, ba 2-5%	Silicified tuff? cm wide fibrous qtz veins in 25 cm zone.
38132	WTON	0.00	0.01	69.10	qtz breccia vein	1-2% tetra	Float-subcrop! Vuggy qtz-breccia veins & minor massive ba
38133	WTON	0.60	0.01	2.40	qtz vein	barren	Qtz-chlorite vein trending 175/st W.

LOCA MOUNTAIN ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
38112	LOCA	0.10	0.01	1.00		3% py	Arenite or wacke with py pods 20 by 2 cm.
38113	LOCA	5.00	0.01	0.40	fe-carb, yel-brn stn		Yellow-brown stained altered agglomerate, minor ls frags.
38114	LOCA	0.15	0.01	0.10		barren	Vuggy qtz vein 15 cm wide in argillite.
38115	LOCA	0.10	0.01	0.10		barren	Vuggy qtz vein 20 cm wide in seds? 50 m down from 38114.
38116	LOCA	0.10	0.01	0.60		3% py	Carb veinlets with py in restricted area in pyroclastic.
38117	LOCA	0.65	0.01	0.60	sil., carb.	1% py	Rusty wall rock (shale) and qtz-carb impregnations.
38118	LOCA	0.10	0.03	0.60	carb., rusty	2-3% py	Rusty tuff with tiny carb veinlets.
38119	LOCA	0.10	0.01	1.30	sil	barren	Qtz-rich vein-like zone in tuff?

OTHER ZONES ROCK SAMPLES

SAMPNUM	ZONE	WIDTH	Au gt	Ag gt	ALTERATION	SULPHIDES	COMMENTS
8129	KIWI	5.00	0.70	37.30		py, po, cpy, bo	semi-massive to massive sulfides; along blasted trench
8164	PINT	0.30	6.37	384.80	sil, ser	5% py 3% galena	// 165/75SW
8148	NONA	0.05	3.60	965.20	ser, sil	80% galena	140 degree trending, subvertical str. within alt. zone
8138	LIF	2.50	1.22	17.40	sil, carb	po, py, cpy, bornite	semi-massive sulphide mineralization; blasted trench

APPENDIX B

ASSAY CERTIFICATES

ECO-TECH LABORATORIES LTD.
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 14, 1989

CERTIFICATE OF ANALYSIS ETS 89-9062

BOND GOLD CANADA INC.
1100, 20 ADELAIDE STREET EAST
TORONTO, ONTARIO
V6C 1X6

SAMPLE IDENTIFICATION: 33 ROCK samples received July 11, 1989

ET#	Description	AU (g/t)	AU (oz/t)	AG (g/t)	AG (oz/t)
9062 - 1	8101	.54	.016	4.2	.122
9062 - 2	8102	.13	.004	.2	.006
9062 - 3	8103	.10	.003	.3	.009
9062 - 4	8104	.03	.001	.2	.006
9062 - 5	8105	.03	.001	.1	.003
9062 - 6	8106	.04	.001	.1	.004
9062 - 7	8107	.10	.003	.7	.020
9062 - 8	8108	.02	.001	.2	.006
9062 - 9	8109	.06	.002	4.5	.131
9062 - 10	8110	.03	.001	.7	.020
9062 - 11	8111	.04	.001	1.0	.029
9062 - 12	8112	.02	.001	.2	.006
9062 - 13	8113	.12	.003	4.9	.143
9062 - 14	8114	.06	.002	.2	.006
9062 - 15	8115	.02	.001	.2	.006
9062 - 16	8116	.07	.002	4.1	.120
9062 - 17	8117	.02	.001	2.0	.058
9062 - 18	8118	.35	.010	.9	.026
9062 - 19	8119	.12	.003	1.4	.041
9062 - 20	8120	.97	.028	5.5	.160
9062 - 21	8121	.20	.006	5.8	.169
9062 - 22	8122	8.39*	.245	31.9	.930
9062 - 23	8123	3.15	.092	29.0	.846
9062 - 24	8124	1.89	.055	5.0	.146
9062 - 25	8125	1.15	.034	16.0	.467
9062 - 26	8126	1.14	.033	18.2	.531
9062 - 27	8129	.70	.020	37.3	1.088
9062 - 28	37001	1.22	.036	10.6	.309
9062 - 29	37002	.50	.015	32.2	.939
9062 - 30	37003	.14	.004	28.8	.840

JUTTA JEALOUSE, Certified Assayer

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BOND GOLD CANADA INC. JULY 14, 1989

ET#	Description	AU (g/t)	AU (oz/t)	AG (g/t)	AG (oz/t)
9062 - 31	37004	7.19*	.210	51.6	1.505
9062 - 32	37005	3.90	.114	9.6	.280
9062 - 33	37006	8.32*	.243	36.0	1.050

NOTE: * SAMPLE SCREENED AND METALLICS ASSAYED

ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. Certified Assayer

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SC89/MISC-S

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METALLIC CALCULATION

	-140 WEIGHT	+140 WEIGHT	WEIGHT SCREENED	-140 ASSAY	+140 ASSAY	CALCULATED VALUE	Au (oz/t)
9062 - 22	248.59	45.10	293.69	7.85	9.14	8.39	.245
9062 - 31	283.15	29.84	312.99	7.26	6.71	7.19	.210
9062 - 33	441.42	28.75	470.17	7.83	15.63	8.32	.243

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10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 24, 1989

CERTIFICATE OF ANALYSIS ETS# 89-9072

BOND GOLD INC.
1100 - 20 ADELAIDE STREET E.
TORONTO, ONTARIO

SAMPLE IDENTIFICATION: 37 ROCK samples received JULY 12, 1989

ET#	Description	AU (g/t)	AU (oz/t)	AG (g/t)	AG (oz/t)
9072 - 1	8127	.08	.002	.1	.003
9072 - 2	8128	.20	.006	5.9	.172
9072 - 3	8130	1.56	.045	16.9	.493
9072 - 4	8131	.71	.021	31.7	.924
9072 - 5	8132	.96	.028	16.6	.484
9072 - 6	8133	24.51 *	.715	72.8	2.123
9072 - 7	8134	.16	.005	.2	.006
9072 - 8	8135	.03	.001	.2	.006
9072 - 9	8136	.17	.005	9.7	.283
9072 - 10	8137	<.03	<.001	.5	.015
9072 - 11	8138	1.22	.036	17.4	.507
9072 - 12	8139	.03	.001	.9	.026
9072 - 13	8140	<.03	<.001	.5	.015
9072 - 14	8141	.18	.005	12.0	.350
9072 - 15	8142	.26	.008	9.7	.283
9072 - 16	8143	<.03	<.001	.6	.017
9072 - 17	8144	.18	.005	.8	.023
9072 - 18	8145	.26	.008	.3	.009
9072 - 19	8146	<.03	<.001	4.5	.131
9072 - 20	8147	.05	.001	13.2	.385
9072 - 21	8148	3.60	.105	965.2	28.148
9072 - 22	8149	3.57	.104	330.0	9.624
9072 - 23	8150	1.89	.055	14.2	.414
9072 - 24	8151	50.44 *	1.471	570.0	16.623
9072 - 25	8152	17.21 *	.502	104.3	3.042
9072 - 26	37007	.03	.001	.5	.015
9072 - 27	37008	<.03	<.001	.6	.017
9072 - 28	37009	<.03	<.001	.3	.009
9072 - 29	37010	<.03	<.001	.5	.015
9072 - 30	37011	<.03	<.001	.3	.009

ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

BOND GOLD INC.

ET#	Description	AU (g/t)	AU (oz/t)	AG (g/t)	AG (oz/t)
9072 - 31	37012	<.03	<.001	.5	.015
9072 - 32	37013	<.03	<.001	.6	.017
9072 - 33	37014	<.03	<.001	.8	.023
9072 - 34	37015	.03	.001	.7	.020
9072 - 35	37016	<.03	<.001	1.2	.035
9072 - 36	37017	<.03	<.001	.8	.023
9072 - 37	37018	6.36 *	.185	18.1	.528

NOTE: < = LESS THAN

FAX: BOND GOLD, TORONTO
SC89/SMISC.

ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. CERTIFIED ASSAYER

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CALCULATIONS

	+100 WEIGHT	-100 WEIGHT	TOTAL SCREENED SAMPLE WEIGHT	+140 ASSAY	-140 ASSAY	METALLICS ASSAY
9072-C	37.03	515.42	542.45	64.81	21.61	24.51
9072-24	17.63	500.64	518.27	468.18	35.73	50.44
9072-25	125.89	478.65	604.54	18.48	16.88	17.21
9072-37	102.68	662.67	765.35	6.56	6.56	6.36

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JULY 26, 1989

CERTIFICATE OF ANALYSIS ETS# 89-9079

BOND GOLD INC.
C/O JAYCOX INDUSTRIES LTD.
STEWART, B.C.

SAMPLE IDENTIFICATION: 29 ROCK samples received JULY 15, 1989
PROJECT: 744
SHIPMENT NO.: 4

ET#	Description	AU (g/t)	AU (oz/t)	AG (g/t)
9079- 1	8165	.14	.004	8.6
9079- 2	8166	.20	.006	10.7
9079- 3	8167	1.15	.034	28.5
9079- 4	8168	.08	.002	8.2
9079- 5	8169	.11	.003	9.5
9079- 6	8170	.28	.008	12.4
9079- 7	8171	.31	.009	9.3
9079- 8	8172	.06	.002	2.3
9079- 9	8173	.25	.007	8.7
9079- 10	8174	<.03	<.001	.2
9079- 11	8175	.17	.005	4.8
9079- 12	8176	.05	.001	.1
9079- 13	8177	.03	.001	.1
9079- 14	8178	<.03	<.001	.1
9079- 15	8179	<.03	<.001	.1
9079- 16	8180	<.03	<.001	.1
9079- 17	8181	.12	.003	.3
9079- 18	8182	.93	.027	50.3
9079- 19	8183	.06	.002	5.0
9079- 20	8184	<.03	<.001	6.8
9079- 21	8185	<.03	<.001	10.6
9079- 22	8186	.30	.009	19.8
9079- 23	8187	<.03	<.001	4.8
9079- 24	8188	2.55	.074	38.6
9079- 25	8189	1.62	.047	26.4

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ASSAYING - ENVIRONMENTAL TESTING

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BOND GOLD INC.

ET#	Description	AU (g/t)	AU (oz/t)	AG (g/t)
9079- 26	8190	.06	.002	23.4
9079- 27	8191	<.03	<.001	12.5
9079- 28	37028	9.42*	.283	.2
9079- 29	37029	.07	.002	.3

NOTE: < = LESS THAN

ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
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FAX: BOND GOLD, TORONTO (416) 947-1257
SC89/SMISC.

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CALCULATIONS

	+140 SAMPLE WT	-140 SAMPLE WT	TOTAL WEIGHT	+140 ASSAY	-140 ASSAY	METALLI ASSAY
9079-28	93.10	411.05	504.15	3.98	10.65	9.42

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10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JULY 26, 1989

CERTIFICATE OF ANALYSIS ETS# 89-9077

BOND GOLD INC.
1100 - 20 ADELAIDE STREET E.
TORONTO, ONTARIO

SAMPLE IDENTIFICATION: 18 ROCK samples received JULY 14,1989

ET#	Description	AU (g/t)	AG (g/t)
9077- 1	8153	.04	5.2
9077- 2	8154	1.68	69.9
9077- 3	8155	.03	.6
9077- 4	8156	<.03	1.0
9077- 5	8157	.05	.8
9077- 6	8158	.14	1.9
9077- 7	8159	.03	.1
9077- 8	8160	.07	7.1
9077- 9	8161	1.41	7.5
9077- 10	8162	71.37*	170.6
9077- 11	8163	370.31*	12,200.
9077- 12	8164	6.37*	384.8
9077- 13	37022	1.33	95.2
9077- 14	37023	4.99	67.6
9077- 15	37024	1.85	29.7
9077- 16	37025	.38	36.8
9077- 17	37026	2.94	30.7
9077- 18	37027	1.85	37.4

FAX: BOND GOLD, TORONTO
SC89/SMISC.

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JUTTA JEALOUSE
B.C. CERTIFIED ASSAYER

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CALCULATION

	+140 weight	-140 weight	Total screen	-140 assay	Metallic assay
9077-10	180.40	177.43	231.13	91.95	71.37
9077-11	2046.00	180.66	235.66	20.90	370.31
9077-12	13.86	212.72	250.02	7.42	6.37

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Assay Certificate

9S-0077-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-22-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 30 ROCK samples submitted JUL-21-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37036	.25	.007
37037	.61	.018
37038	.23	.007
37039	.22	.006
37040	.78	.023
8003	.60	.018
8004	33.20	.968
8005	.24	.007
8006	.11	.003
8007	.28	.008
8008	.02	.001
8009	.14	.004
8010	.03	.001
8011	.26	.008
8012	.06	.002
8013	.13	.004
8014	.05	.001
8015	.30	.009
8219	.04	.001
8220	.04	.001
8221	.17	.005
8222	.17	.005
8223	2.02	.059
8224	4.35	.127
8225	.45	.013
8226	.26	.008
8227	.79	.023
8228	.17	.005
8229	.43	.013
8230	2.95	.086

*AU - 1 ASSAY TON.

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Assay Certificate

9S-0077-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-22-89

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2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 4 ROCK samples submitted JUL-21-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
8231	.41	.012
8232	1.98	.058
8233	.99	.029
8234	.24	.007

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0078-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-22-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 23 ROCK samples submitted JUL-21-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
8016	3.42	.100
8017	.83	.024
8018	4.43	.129
8019	3.60	.105
8020	.62	.018
8021	.78	.023
8022	.40	.012
8023	.61	.018
8235	.41	.012
8236	.20	.006
8237	1.45	.042
8238	.24	.007
8239	.10	.003
8240	.02	.001
8241	.05	.001
8242	.03	.001
8243	.22	.006
8244	.39	.011
8245	15.50	.452
8246	.61	.018
8247	.82	.024
8248	.45	.013
8249	5.32	.155

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0081-RA1

Company: BOND GOLD
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-26-89

Copy 1. BOND GOLD, STEWART, B.C.
2. BOND GOLD, TORONTO, ONT.
3. BOND GOLD, C/O MIN-EN LABS

We hereby certify the following Assay of 28 ROCK samples submitted JUL-22-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
8024	8.43	.246
8025	.22	.006
8026	5.00	.146
8027	25.50	.744
8028	5.13	.150
8029	36.45	1.063
8030	1.30	.038
8031	5.92	.173
8032	41.10	1.199
8033	1.01	.029
8034	24.80	.723
8035	1.47	.043
37 041	.11	.003
37 042	.02	.001
37 043	.01	.001
37 044	.02	.001
37 045	.01	.001
37 901	10.55	.308
37 902	.39	.011
37 903	.16	.005
37 904	.49	.014
37 905	.17	.005
37 906	.16	.005
37 907	.02	.001
37 908	.01	.001
37 909	.03	.001
37 910	.02	.001
37 911	.01	.001

* 1 ASSAY TON

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0082-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-29-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 11 ROCK samples submitted JUL-26-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
8 036	.54	.016
8 037	.79	.023
8 038	2.04	.060
8 039	.37	.011
8 040	.59	.017
8 041	2.45	.071
8 042	5.32	.155
8 043	.18	.005
8 044	.13	.004
8 045	.04	.001
8 046	.21	.006

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0086-RA1

Company: BOND GOLD
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-27-89

Copy 1. BOND GOLD, STEWART, B.C.
2. BOND GOLD, TORONTO, ONT.
3. BOND GOLD, C/O MIN-EN LABS.

He hereby certify the following Assay of 31 ROCK samples submitted JUL-24-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
8047	.09	.003
8048	.03	.001
8049	.18	.005
8050	.21	.006
8051	.41	.012
8052	.03	.001
8053	.04	.001
8054	1.46	.043
8055	.03	.001
8056	.04	.001
8057	.06	.002
8058	.03	.001
8250	4.87	.142
8251	.77	.022
8252	.37	.011
8253	1.07	.031
8254	3.61	.105
8255	1.89	.055
8256	4.11	.120
8257	.08	.002
37 912	.06	.002
37 913	.81	.024
37 914	.42	.012
37 915	.44	.013
37 916	1.92	.056
37 917	.15	.004
37 918	.06	.002
37 919	.03	.001
37 920	.06	.002
35 921	.04	.001
3258	.02	.001

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0090-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-30-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 30 ROCK samples submitted JUL-28-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 101	.18	.005
37 102	.11	.003
37 103	.12	.004
37 104	.02	.001
37 105	.04	.001
37 106	.06	.002
37 107	.04	.001
37 108	.04	.001
37 109	.05	.001
37 110	.06	.002
37 111	.03	.001
37 112	.01	.001
37 113	.16	.005
37 114	.03	.001
37 115	1.21	.035
37 116	.02	.001
37 117	.01	.001
37 118	.20	.006
37 119	.40	.012
37 120	.06	.002
37 121	.43	.013
37 122	.38	.011
37 123	.02	.001
37 124	.01	.001
37 125	.02	.001
37 126	.02	.001
37 127	.01	.001
37 128	.03	.001
37 129	.06	.002
37 130	.03	.001

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0090-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-30-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 30 ROCK samples submitted JUL-28-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 131	.38	.011
37 132	.13	.004
37 133	.08	.002
37 134	.16	.005
37 135	.07	.002
37 136	.06	.002
37 137	.01	.001
37 138	.02	.001
37 139	.03	.001
8 059	.19	.006
8 060	.05	.001
8 061	.13	.004
8 062	.04	.001
8 063	.02	.001
8 064	.01	.001
8 065	.02	.001
8 066	.20	.006
8 067	.41	.012
8 068	.08	.002
8 259	.43	.013
8 260	.07	.002
8 262	.02	.001
8 263	.07	.002
8 264	.11	.003
8 265	4.70	.137
8 266	.15	.004
8 267	.04	.001
8 268	.17	.005
8 269	.16	.005
8 270	.09	.003

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0090-RA3

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-30-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 7 ROCK samples submitted JUL-28-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
8 271	.25	.007
8 272	1.26	.037
37 922	.01	.001
37 923	.42	.012
37 924	.17	.005
37 925	.41	.012
37 926	.22	.006

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0092-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-29-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 13 ROCK samples submitted JUL-28-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 174	2.35	.069
37 175	4.15	.121
37 176	.19	.006
37 177	.04	.001
37 178	.02	.001
37 179	.71	.021
37 180	1.01	.029
37 181	1.39	.041
37 182	6.05	.176
37 183	.43	.013
37 184	.17	.005
37 185	.78	.023
37 186	1.20	.035

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0094-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-31-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 30 ROCK samples submitted JUL-28-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 140	.17	.005
37 141	.14	.004
37 142	.06	.002
37 143	.15	.004
37 144	.35	.010
37 145	.40	.012
37 146	.17	.005
37 147	.14	.004
37 148	.36	.011
37 149	.21	.006
37 150	.18	.005
37 151	.11	.003
37 152	.12	.004
37 153	.16	.005
37 154	.18	.005
37 155	.15	.004
37 156	.20	.006
37 157	.07	.002
37 158	.06	.002
37 159	.05	.001
37 160	.07	.002
37 161	.02	.001
37 162	.04	.001
37 163	.09	.003
8069	16.01	.467
8070	2.92	.085
8071	11.21	.327
8072	1.61	.047
8073	3.85	.112
8074	1.79	.052

*AU - 1 ASSAY TON.

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9S-0094-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-31-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 24 ROCK samples submitted JUL-28-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
8075	17.90	.522
8076	6.60	.193
8077	.82	.024
8078	.98	.029
8079	.40	.012
8080	8.07	.235
8081	6.46	.188
8273	7.53	.220
8274	.30	.009
8275	1.72	.050
8276	.51	.015
8277	1.90	.055
8278	2.55	.074
8279	.18	.005
8280	.13	.004
8281	.02	.001
8282	.01	.001
8283	.21	.006
8284	.14	.004
8285	.06	.002
8286	.04	.001
8287	.08	.002
8288	.04	.001
9261	5.48	.160

*AU - 1 ASSAY TON.

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Assay Certificate

9S-0095-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-31-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted JUL-29-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 164	.05	.001
37 165	.03	.001
37 166	.20	.006
37 167	.02	.001
37 168	.04	.001
37 169	.02	.001
37 170	.06	.002
37 171	.03	.001
37 172	.28	.008
37 173	.14	.004
37 187	.07	.002
37 188	.18	.005
37 189	.22	.006
37 190	.18	.005
37 191	4.48	.131
37 192	1.99	.058
37 193	.42	.012
37 194	.18	.005
37 195	1.00	.029
37 196	.57	.017
37 197	.22	.006
37 198	.06	.002
37 199	.47	.014
37 200	.43	.013
37 201	.08	.002
37 202	.03	.001
37 203	.05	.001
37 204	.16	.005
37 205	.14	.004
37 206	.20	.006

*AU - 1 ASSAY TON.

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Assay Certificate

9S-0095-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-30-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 9 ROCK samples submitted JUL-29-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 207	.25	.007
37 208	.19	.006
37 209	.18	.005
37 210	.06	.002
37 211	.06	.002
37 212	.14	.004
37 213	.09	.003
37 214	.06	.002
37 215	.03	.001

*AU - 1 ASSAY TON.

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TIMMINS OFFICE:
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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0098-RA1

Company: BOND GOLD CANADA
Project: 844
Attn: D.KENNEDY/R.JOWETT

Date: JUL-31-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 7 ROCK samples submitted JUL-30-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 242	5.14	.150
37 243	18.63	.543
37 244	6.54	.191
37 245	8.59	.251
37 246	5.62	.164
37 247	4.15	.121
37 248	4.22	.123

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Metallic Assay Certificate

9S-0098-RM1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-16-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Metallic Assay of 7 METALLIC samples submitted JUL-29-89 by D.KENNEDY.

Sample Number	Total Wt (G)	+120 M Wt (G)	Assay Value AU +120(GM/T)	Assay Value AU -120(GM/T)	Total Weight AU +120(MG)	Total Weight AU -120(MG)	Metallic AU (OZ/T)	Metallic AU (GM/T)	Net AU (OZ/T)	Net AU (GM/T)
37 242	3040.80	6.80	51.40	4.88	0.350	14.806	0.003	0.11	0.145	4.98
37 243	1849.51	84.51	111.35	18.80	9.410	33.182	0.148	5.09	0.672	23.03
37 244	2929.89	9.89	327.16	6.82	3.236	19.914	0.032	1.10	0.230	7.90
37 245	3028.62	33.62	8.95	8.15	0.301	24.409	0.003	0.10	0.238	8.16
37 246	3367.50	7.50	5.36	5.31	0.040	17.842	0.000	0.01	0.155	5.31
37 247	2921.33	11.33	37.06	4.12	0.420	11.989	0.004	0.14	0.124	4.25
37 248	2873.03	53.03	6.72	2.61	0.356	7.360	0.004	0.12	0.078	2.69

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TIMMINS OFFICE:
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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0099-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-31-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 12 ROCK samples submitted JUL-30-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 216	.04	.001
37 217	.01	.001
37 218	.02	.001
37 219	.11	.003
37 220	.15	.004
37 221	.04	.001
37 222	.06	.002
37 223	.23	.007
37 224	.19	.006
37 225	.13	.004
37 226	.03	.001
37 249	.02	.001

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0100-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-04-89

Copy 1. BOND GOLD CANAD, STEWART, B.C.
2. BOND GOLD CANADA, C/O JAYCOX
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-02-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 227	.01	.001
37 228	.03	.001
37 229	.03	.001
37 230	.01	.001
37 231	.23	.007
37 232	.05	.001
37 233	.09	.003
37 234	.05	.001
37 235	.02	.001
37 236	.02	.001
37 237	.02	.001
37 238	.01	.001
37 239	.01	.001
37 240	.03	.001
37 241	.02	.001
37 250	.01	.001
37 251	.01	.001
37 252	.01	.001
37 253	.02	.001
37 254	.01	.001
37 255	.02	.001
37 256	.01	.001
37 257	.01	.001
37 258	.16	.005
37 259	.11	.003
37 260	.41	.012
37 261	.01	.001
37 262	.04	.001
37 263	.05	.001
37 264	.03	.001

*AU - 1 ASSAY TON.

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TIMMINS OFFICE:
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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0100-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-04-89

Copy 1. BOND GOLD CANAD, STEWART, B.C.
2. BOND GOLD CANADA, C/O JAYCOX
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-02-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 265	.23	.007
37 266	.06	.002
37 267	.93	.027
37 268	6.75	.197
37 269	.04	.001
37 270	.07	.002
37 271	.02	.001
37 272	.17	.005
37 273	.09	.003
37 274	29.75	.868
37 275	2.17	.063
37 276	.15	.004
37 277	.16	.005
37 278	1.81	.053
37 279	.01	.001
37 280	.18	.005
37 281	.07	.002
37 351	.21	.006
37 352	.23	.007
37 353	.39	.011
37 354	.61	.018
37 355	17.70	.516
37 356	6.03	.176
37 357	167.00	4.871
37 358	.93	.027
37 359	13.95	.407
37 360	9.42	.275
37 361	42.80	1.248
37 362	1.22	.036
37 363	.82	.024

*AU - 1 ASSAY TON.

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TIMMINS OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0100-RA3

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-04-89

Copy 1. BOND GOLD CANAD, STEWART, B.C.
2. BOND GOLD CANADA, C/O JAYCOX
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 27 ROCK samples submitted AUG-02-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 364	7.57	.221
37 365	63.27	1.845
37 366	.31	.009
37 367	25.90	.755
8 289	.02	.001
8 290	.01	.001
8 291	.02	.001
8 292	.02	.001
8 293	.06	.002
8 294	.41	.012
8 295	.28	.008
8 296	.23	.007
8 297	.18	.005
8 298	.20	.006
8 299	.22	.006
8 300	.30	.009
8 301	.01	.001
8 302	.01	.001
8 303	.20	.006
8 304	.01	.001
8 305	.04	.001
8 306	.31	.009
8 307	.12	.004
8 308	.02	.001
8 309	.83	.024
8 310	.03	.001
8 311	.02	.001
8 312		

*AU - 1 ASSAY TON.

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-96

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Metallic Assay Certificate

9S-0100-PM1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-25-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Metallic Assay of 13 METALLIC samples submitted MMM-DD-YY by .

Sample Number	Total Wt (G)	+120 M Wt (G)	Assay Value AU +120(GM/T)	Assay Value AU -120(GM/T)	Total Weight AU +120(MG)	Total Weight AU -120(MG)	Metallic AU (OZ/T)	Metallic AU (GM/T)	Net AU (OZ/T)	Net AU (GM/T)
37 355	3596.11	51.11	152.35	16.80	7.787	59.556	0.063	2.17	0.546	18.73
37 356	2920.15	15.15	21.66	5.25	0.328	15.251	0.003	0.11	0.156	5.34
37 357	2680.80	70.80	559.32	160.50	39.600	418.905	0.431	14.77	4.988	171.03
37 358	3787.34	0.34	121.50	.77	0.041	2.916	0.000	0.01	0.023	0.78
37 359	3659.10	9.10	792.86	13.15	7.215	47.997	0.058	1.97	0.440	15.09
37 360	3320.03	22.03	51.82	6.67	1.142	21.998	0.010	0.34	0.203	6.97
37 361	2498.51	28.51	147.37	34.90	4.202	86.203	0.049	1.68	1.055	36.18
37 362	2411.78	21.78	21.35	1.20	0.465	2.868	0.006	0.19	0.040	1.38
37 363	2841.27	51.27	8.00	.85	0.410	2.371	0.004	0.14	0.029	0.98
37 364	1940.50	5.50	201.55	5.09	1.109	9.849	0.017	0.57	0.165	5.65
37 365	1683.40	3.40	12132.35	53.05	41.250	89.124	0.715	24.50	2.259	77.45
37 366	1680.33	10.33	12.36	.30	0.128	0.501	0.002	0.08	0.011	0.37
37 367	2198.30	8.30	1825.30	18.70	15.150	40.953	0.201	6.89	0.744	25.52

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TIMMINS OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0102-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-04-89
Copy 1. BOND GOLD CANADA, STEWART,B.C.
2. BOND GOLD CANADA, TORONTO,ONT.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-01-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 282	.03	.001
37 283	.05	.001
37 284	.35	.010
37 285	6.30	.184
37 286	.01	.001
37 287	.02	.001
37 288	.02	.001
37 289	.04	.001
37 290	.01	.001
37 291	.01	.001
37 292	.10	.003
37 293	.18	.005
37 294	.03	.001
37 295	.01	.001
37 296	.01	.001
37 297	.01	.001
37 298	.01	.001
37 299	.02	.001
37 300	.01	.001
37 301	.02	.001
37 302	.02	.001
37 303	.03	.001
37 304	.02	.001
37 305	.01	.001
37 306	.01	.001
37 307	.12	.004
37 308	.01	.001
37 309	.01	.001
37 310	.02	.001
37 325	.01	.001

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0102-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-04-89
Copy 1. BOND GOLD CANADA, STEWART,B.C.
2. BOND GOLD CANADA, TORONTO,ONT.

He hereby certify the following Assay of 5 ROCK samples submitted AUG-01-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 326	.51	.015
37 327	.48	.014
37 328	.19	.006
37 329	.21	.006
37 330	2.88	.084

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0107-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-06-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 15 ROCK samples submitted AUG-04-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 311	.02	.001
37 312	4.77	.139
37 313	.02	.001
37 314	5.21	.152
37 315	.38	.011
37 316	.26	.008
37 317	.02	.001
37 318	.02	.001
37 319	.01	.001
37 320	.14	.004
37 321	.37	.011
37 322	.17	.005
37 323	.02	.001
37 324	.01	.001
37 331	.01	.001

*AU - 1 ASSAY TON.

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Assay Certificate

9S-0107-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-06-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 29 ROCK samples submitted AUG-04-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 332	.02	.001
37 333	.01	.001
37 334	.03	.001
37 335	.02	.001
37 336	.15	.004
37 337	.03	.001
37 338	.02	.001
37 339	.03	.001
37 340	.01	.001
37 341	.02	.001
37 368	.07	.002
37 369	.44	.013
37 370	.14	.004
37 371	6.58	.192
37 372	.01	.001
37 373	.36	.011
37 374	.59	.017
37 375	.24	.007
37 376	.56	.016
37 377	.81	.024
37 378	.12	.004
37 379	1.09	.032
37 380	.45	.013
37 381	2.92	.085
37 382	.03	.001
37 383	.01	.001
37 927	.01	.001
37 928	.01	.001
37 929	.02	.001

*AU - 1 ASSAY TON.

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0107-RA3

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-06-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 19 ROCK samples submitted AUG-04-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
B 312	.71	.021
B 313	.99	.029
B 314	19.15	.559
B 315	.20	.006
B 316	.01	.001
B 317	.17	.005
B 318	.25	.007
B 319	.20	.006
B 320	.14	.004
B 321	.25	.007
B 322	.36	.011
B 323	.26	.008
B 324	.31	.009
B 325	1.36	.040
B 326	.61	.018
B 327	.16	.005
B 328	.33	.010
B 329	.20	.006
B 330	.31	.009

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9998

Assay Certificate

9S-0110-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-07-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 30 ROCK samples submitted AUG-05-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
S 331	.38	.011
S 332	2.36	.069
S 333	1.89	.055
S 334	.27	.008
S 335	.05	.001
S 336	.36	.011
S 337	.32	.009
S 338	.28	.008
S 339	4.16	.121
S 340	.18	.005
S 341	.64	.019
S 342	.45	.013
S 343	.07	.002
S 344	.11	.003
S 345	.26	.008
S 346	2.20	.064
S 347	.15	.004
S 348	.21	.006
S 349	.70	.020
S 350	.29	.008
S 351	.59	.017
S 352	.43	.013
S 353	.20	.006
S 354	.39	.011
S 355	.06	.002
S 356	.35	.010
S 357	1.57	.046
S 358	.38	.011
S 359	.02	.001
S 360	.96	.028

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0110-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-29-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 20 ROCK samples submitted AUG-05-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
8 361	1.41	.041
8 362	.67	.020
8 363	.49	.014
8 364	1.22	.036
8 365	.38	.011
8 366	3.55	.104
8 367	.60	.018
8 368	.14	.004
8 369	.01	.001
8 370	.24	.007
8 371	.18	.005
8 372	.03	.001
37 384	.01	.001
37 385	.01	.001
37 386	.02	.001
37 387	.01	.001
37 388	.28	.008
37 389	.21	.006
37 390	6.75	.197
37 391	.63	.018

*AU - 1 ASSAY TON.

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TIMMINS, ONTARIO CANADA P4N 7G7
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Metallic Assay Certificate

9S-0110-RM1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-29-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Metallic Assay of 8 ROCK samples submitted AUG-05-89 by D.KENNEDY.

Sample Number	Total Wt (G)	+120 M Wt (G)	Assay Value AU +120(GM/T)	Assay Value AU -120(GM/T)	Total Weight AU +120(MG)	Total Weight AU -120(MG)	Metallic AU (OZ/T)	Metallic AU (GM/T)	Net AU (OZ/T)	Net AU (GM/T)
37384	2842.52	107.52	.71	.02	0.076	0.055	0.001	0.03	0.001	0.05
37385	3507.01	47.01	.57	.02	0.027	0.069	0.000	0.01	0.001	0.03
37386	3178.32	38.32	.48	.02	0.018	0.063	0.000	0.01	0.001	0.03
37387	3247.85	12.85	.01	.01	0.000	0.035	0.000	0.00	0.000	0.01
37388	1684.14	9.14	.28	.24	0.003	0.402	0.000	0.00	0.007	0.24
37389	2452.30	32.30	1.29	.21	0.042	0.508	0.000	0.02	0.007	0.22
37390	2641.50	41.50	198.55	2.14	8.240	5.564	0.091	3.12	0.152	5.23
37391	2285.01	45.01	.84	.61	0.038	1.366	0.000	0.02	0.018	0.61

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0113-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-07-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 30 ROCK samples submitted AUG-06-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 342	.02	.001
37 343	.01	.001
37 344	.01	.001
37 345	.02	.001
37 346	.01	.001
37 347	.56	.016
37 348	.18	.005
37 349	.03	.001
37 350	.16	.005
37 392	2.01	.059
37 393	.10	.003
37 394	.56	.016
37 395	5.47	.160
37 396	.01	.001
37 397	.01	.001
37 398	.01	.001
37 399	.25	.007
37 400	.60	.018
37 401	.41	.012
37 402	.30	.009
37 403	.77	.022
8 373	4.18	.122
8 374	7.22	.211
8 375	5.41	.158
8 376	15.28	.446
8 377	39.05	1.139
8 378	15.70	.458
8 379	2.80	.082
8 380	4.39	.128
8 381	19.55	.570

*AU - 1 ASSAY TON.

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Metallic Assay Certificate

9S-0113-PM1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: SEP-03-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS

He hereby certify the following Metallic Assay of 7 METALLIC samples submitted AUG-31-89 by D.KENNEDY.

Sample Number	Total Wt (G)	+120 M Wt (G)	Assay Value AU +120(GM/T)	Assay Value AU -120(GM/T)	Total Weight AU +120(MG)	Total Weight AU -120(MG)	Metallic AU (OZ/T)	Metallic AU (GM/T)	Net AU (OZ/T)	Net AU (GM/T)
37392	2831.04	61.04	1.99	1.01	0.121	2.798	0.001	0.04	0.030	1.03
37393	1833.25	23.25	.05	.06	0.001	0.109	0.000	0.00	0.002	0.06
37394	2073.04	3.04	14.90	.55	0.045	1.138	0.001	0.02	0.017	0.57
37395	1924.90	19.90	148.49	5.12	2.955	9.754	0.045	1.54	0.193	6.60
37396	2268.58	3.58	.08	.01	0.000	0.023	0.000	0.00	0.000	0.01
37397	1211.27	1.27	.11	.01	0.000	0.012	0.000	0.00	0.000	0.01
37398	1196.26	1.26	.12	.01	0.000	0.012	0.000	0.00	0.000	0.01

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0114-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-07-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-06-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 404	.16	.005
37 405	.19	.006
37 406	.05	.001
37 407	.06	.002
37 408	.02	.001
37 409	.01	.001
37 438	.02	.001
37 443	.06	.002
37 444	.04	.001
37 445	.27	.008
37 446	.41	.012
37 447	.91	.027
37 448	.16	.005
37 449	.09	.003
37 450	.39	.011
37 451	.25	.007
37 452	.56	.016
37 453	.17	.005
37 454	.19	.006
37 455	.07	.002
37 456	.16	.005
37 457	.41	.012
37 458	.02	.001
37 459	2.95	.086
37 460	.15	.004
37 461	.01	.001
37 462	.02	.001
37 463	.02	.001
37 464	.01	.001
37 465	.01	.001

*AU - 1 ASSAY TON.

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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
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0114-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-07-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-06-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 466	.01	.001
8 389	.02	.001
8 390	.01	.001
8 391	.01	.001
8 392	.02	.001
8 393	.01	.001
8 394	.01	.001
8 395	.02	.001
8 396	.01	.001
8 397	.01	.001
8 398	.03	.001
8 399	.03	.001
8 400	.01	.001
8 401	1.48	.043
8 402	1.31	.038
8 403	.18	.005
8 404	27.30	.796
8 405	.57	.017
8 406	.60	.018
8 407	3.11	.091
8 408	3.50	.102
8 409	.61	.018
8 410	.42	.012
8 411	1.92	.056
8 412	.40	.012
8 413	.33	.010
8 414	.51	.015
8 415	.40	.012
8 416	45.05	1.314

*AU - 1 ASSAY TON.

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0116-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-11-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 30 ROCK samples submitted AUG-05-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 410	.22	.006
37 411	.22	.006
37 412	.48	.014
37 413	.07	.002
37 414	.02	.001
37 415	.02	.001
37 416	.02	.001
37 417	.03	.001
37 418	.02	.001
37 419	.02	.001
37 420	.01	.001
37 421	.03	.001
37 422	.02	.001
37 423	.02	.001
37 424	.04	.001
37 425	.03	.001
37 426	1.02	.030
37 427	.07	.002
37 428	.20	.006
37 429	.03	.001
37 430	.04	.001
37 431	.02	.001
37 432	.02	.001
37 433	.04	.001
37 434	.02	.001
37 435	.01	.001
37 436	.03	.001
37 437	.03	.001
37 439	.01	.001
37 440	.02	.001

* AU - 1 ASSAY TON

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TIMMINS OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0116-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-11-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-05-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 441	.05	.001
37 442	.17	.005
37 467	.95	.028
37 468	.95	.028
37 469	.02	.001
37 470	.02	.001
37 471	.03	.001
37 472	.01	.001
37 473	.02	.001
37 474	.14	.004
37 475	.03	.001
37 476	.02	.001
37 477	.02	.001
37 478	.02	.001
37 479	.03	.001
37 480	.02	.001
37 481	.03	.001
37 482	.01	.001
37 483	.01	.001
37 484	.02	.001
37 485	.16	.005
37 486	.24	.007
37 487	.23	.007
37 488	.20	.006
37 489	.18	.005
37 490	.02	.001
37 491	.13	.004
37 492	.44	.013
37 493	.78	.023
37 494	.24	.007

*AU - 1 ASSAY TON

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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0116-RA3

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-11-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 30 ROCK samples submitted AUG-05-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 495	.24	.007
37 496	.19	.006
37 497	.18	.005
37 498	.16	.005
37 499	.02	.001
37 501	.27	.008
37 502	.03	.001
37 503	.02	.001
37 504	.02	.001
37 505	.01	.001
37 506	.02	.001
37 507	.02	.001
37 508	.02	.001
37 509	.02	.001
37 510	.16	.005
37 511	.46	.013
37 512	.03	.001
37 513	.04	.001
37 514	.02	.001
37 515	.01	.001
37 516	.02	.001
37 517	.03	.001
37 518	.02	.001
37 519	.01	.001
37 520	.01	.001
37 521	.02	.001
37 522	.03	.001
37 523	.02	.001
37 524	.04	.001
37 525	.02	.001

*AU - 1 ASSAY TON

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TIMMINS OFFICE:
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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0116-RA4

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-11-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-05-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 526	.05	.001
37 527	.03	.001
37 528	.08	.002
37 529	.07	.002
37 530	.03	.001
37 531	.04	.001
37 532	.02	.001
37 533	.07	.002
37 534	.07	.002
37 535	.04	.001
37 536	.02	.001
37 537	.07	.002
37 538	.04	.001
37 539	.05	.001
37 540	.02	.001
37 541	.03	.001
37 542	.05	.001
37 543	.04	.001
37 544	.02	.001
37 545	.04	.001
37 546	.02	.001
37 547	.04	.001
37 548	.02	.001
37 549	.04	.001
37 550	.40	.012
37 551	.29	.008
37 552	.34	.010
37 553	.06	.002
37 554	.25	.007
37 555	.31	.009

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0116-RA5

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-11-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 25 ROCK samples submitted AUG-05-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 556	.10	.003
37 557	.38	.011
37 558	.07	.002
37 559	.16	.005
37 560	.06	.002
37 561	.10	.003
37 562	.02	.001
37 563	.01	.001
37 564	.01	.001
37 565	.02	.001
37 566	.01	.001
37 567	.02	.001
37 568	.01	.001
37 569	.21	.006
37 570	.02	.001
37 571	.02	.001
37 572	.01	.001
37 573	.01	.001
37 574	.01	.001
37 575	.02	.001
37 576	.01	.001
37 577	.03	.001
37 578	.02	.001
37 579	.09	.003
37 580	.02	.001

*AU - 1 ASSAY TON.

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-962

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0122-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-15-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 30 ROCK samples submitted AUG-11-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 500	.02	.001
37 581	.03	.001
37 582	.01	.001
37 583	.04	.001
37 584	.02	.001
37 585	.01	.001
37 586	.01	.001
37 587	.02	.001
37 588	.02	.001
37 589	.06	.002
37 590	.02	.001
37 591	.01	.001
37 592	.03	.001
37 593	.01	.001
37 594	.01	.001
37 595	.09	.003
37 596	.17	.005
37 597	.02	.001
37 598	.03	.001
37 599	.01	.001
37 600	.01	.001
37 601	.01	.001
37 602	.02	.001
37 603	.01	.001
37 604	.01	.001
37 605	.01	.001
37 606	.02	.001
37 607	.02	.001
37 608	.02	.001
37 609	.01	.001

*AU - 1 ASSAY TON.

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VANCOUVER OFFICE:
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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0122-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-15-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-11-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 610	.02	.001
37 611	.01	.001
37 612	.01	.001
37 613	.02	.001
37 614	.01	.001
37 615	.01	.001
37 616	.01	.001
37 617	.01	.001
37 618	.02	.001
37 619	.01	.001
37 620	.02	.001
37 621	.02	.001
37 622	.01	.001
37 623	.01	.001
37 624	.02	.001
37 625	.02	.001
37 626	.01	.001
37 627	.01	.001
37 628	.02	.001
37 629	.02	.001
37 630	.01	.001
37 631	.02	.001
37 632	.01	.001
37 633	.01	.001
37 634	.01	.001
37 635	.03	.001
37 636	.02	.001
37 637	.01	.001
37 638	.03	.001
37 639	.01	.001

*AU - 1 ASSAY TON.

Certified by [signature]

MIN-EN LABORATORIES

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TIMMINS OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0122-RA3

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-15-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-11-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 640	.01	.001
37 641	.01	.001
37 642	.01	.001
37 643	.01	.001
37 644	.02	.001
37 645	.01	.001
37 646	.01	.001
37 647	.01	.001
37 648	.01	.001
37 651	.04	.001
37 652	.02	.001
37 653	.01	.001
37 654	.01	.001
37 655	.18	.005
37 656	.02	.001
37 657	.01	.001
37 658	.02	.001
37 659	.01	.001
37 660	.01	.001
37 661	.01	.001
37 662	.03	.001
37 663	.21	.006
37 664	.19	.006
37 665	.02	.001
37 666	.02	.001
37 667	.02	.001
37 668	.01	.001
37 669	.01	.001
37 670	.04	.001
37 671	.02	.001

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0122-RA4

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-16-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 30 ROCK samples submitted AUG-11-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 672	.08	.002
37 673	.02	.001
37 674	.01	.001
37 675	.19	.006
37 676	3.25	.095
37 677	1.60	.047
37 678	.02	.001
37 679	1.15	.034
37 680	1.31	.038
37 681	.18	.005
37 682	.20	.006
37 701	.06	.002
37 702	.14	.004
37 703	.19	.006
37 704	.20	.006
37 705	.14	.004
37 706	.37	.011
37 707	.27	.008
37 708	.99	.029
37 709	.20	.006
37 710	.23	.007
37 711	.61	.018
37 712	8.85	.258
37 713	13.75	.401
37 714	.37	.011
37 715	**9.54	.278
37 716	.84	.025
37 717	.58	.017
37 718	.20	.006
37 719	.48	.014

*AU - 1 ASSAY TON
** SAMPLE MAY CONTAIN METALLIC GOLD

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0122-RA5

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-15-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-11-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 720	2.29	.067
37 721	.58	.017
37 722	1.10	.032
37 723	.42	.012
37 724	.73	.021
37 725	.07	.002
37 726	.10	.003
37 727	.08	.002
37 728	.12	.004
37 729	.19	.006
37 730	.02	.001
37 731	.13	.004
37 732	.08	.002
37 733	.10	.003
37 734	.17	.005
37 735	.17	.005
37 736	.02	.001
37 737	.02	.001
37 738	.14	.004
37 739	.03	.001
37 740	.07	.002
37 741	.02	.001
37 742	.16	.005
37 743	.13	.004
37 744	.82	.024
37 745	.02	.001
37 746	.16	.005
37 747	.02	.001
37 748	.03	.001
37 749	.10	.003

*AU - 1 ASSAY TON.

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TIMMINS OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0122-RA6

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-16-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-11-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 750	1.26	.037
37 751	.18	.005
37 752	.41	.012
37 753	.18	.005
37 754	.22	.006
8 446	.08	.002
8 447	.18	.005
8 448	.39	.011
8 449	.20	.006
8 450	.22	.006
8 451	.03	.001
8 452	.17	.005
8 453	.02	.001
8 454	.22	.006
8 455	.17	.005
8 456	.01	.001
8 457	.18	.005
8 458	.02	.001
8 459	.19	.006
8 460	.11	.003
8 461	.01	.001
8 462	.25	.007
8 463	.02	.001
8 464	.01	.001
8 465	.02	.001
8 466	.02	.001
8 467	.06	.002
8 468	.19	.006
8 469	.12	.004
8 470	.17	.005

*AU - 1 ASSAY TON

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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0126-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-15-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, C/O JAYCOX
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-12-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
8 479	.16	.005
8 488	8.98	.262
8 489	13.05	.381
8 490	2.00	.058
8 491	.18	.005
8 492	.07	.002
8 493	.02	.001
8 494	.20	.006
8 495	.43	.013
8 496	4.61	.134
8 497	5.85	.171
8 498	.01	.001
8 499	.03	.001
8 500	.02	.001
8 501	.03	.001
8 502	.02	.001
8 503	.23	.007
8 504	.44	.013
8 505	.97	.028
8 506	.84	.025
8 507	1.12	.033
8 508	.01	.001
37 682	1.21	.035
37 683	.02	.001
37 684	.17	.005
37 685	.08	.002
37 686	.26	.008
37 688	.18	.005
37 689	.21	.006
37 690	.91	.027

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0126-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-15-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, C/O JAYCOX
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-12-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 691	.40	.012
37 692	.20	.006
37 693	.85	.025
37 694	3.60	.105
37 695	.64	.019
37 696	.10	.003
37 697	.20	.006
37 698	.37	.011
37 699	.66	.019
37 700	.03	.001
37 755	.02	.001
37 756	.01	.001
37 757	.01	.001
37 758	.01	.001
37 759	1.23	.036
37 760	.01	.001
37 761	.01	.001
37 762	.02	.001
37 763	.01	.001
37 764	.01	.001
37 765	.01	.001
37 766	.02	.001
37 767	.01	.001
37 768	.01	.001
37 769	.01	.001
37 770	.01	.001
37 771	.01	.001
37 772	.02	.001
37 773	.01	.001
37 851	.07	.002

*AU - 1 ASSAY TON

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0126-RA3

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-15-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, C/O JAYCOX
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 3 ROCK samples submitted AUG-12-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 852	.02	.001
37 853	.19	.006
37 854	.22	.006

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0131-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-16-8

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-11-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 812	.01	.001
37 813	.01	.001
37 814	.01	.001
37 815	.02	.001
37 816	.01	.001
37 873	.01	.001
37 774	.01	.001
37 775	.02	.001
37 776	.01	.001
37 777	.02	.001
37 778	.01	.001
37 779	.19	.006
37 780	.01	.001
37 781	.54	.016
37 782	.02	.001
37 783	.02	.001
37 784	.02	.001
37 785	.01	.001
37 786	.01	.001
37 787	.01	.001
37 788	.01	.001
37 789	.01	.001
37 790	.02	.001
37 791	.01	.001
37 792	.01	.001
37 793	.01	.001
37 794	.02	.001
37 795	3.70	.108
37 796	.01	.001
37 797	.01	.001

*AU - 1 ASSAY TON

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Assay Certificate

9S-0131-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-16-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-11-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 798	.02	.001
37 799	.01	.001
37 800	.02	.001
37 801	.01	.001
37 802	.01	.001
37 803	.02	.001
37 804	.02	.001
37 805	.04	.001
37 806	.02	.001
37 807	.01	.001
37 808	.01	.001
37 809	..01	
37 810	.01	.001
37 811	.02	.001
37 812	.37	.011
37 813	.22	.006
37 814	.15	.004
37 815	.01	.001
37 816	.01	.001
37 817	.02	.001
37 818	.22	.006
37 819	.01	.001
37 820	.01	.001
37 821	.03	.001
37 822	.02	.001
37 823	.01	.001
37 874	.04	.001
37 875	.20	.006
37 876	.01	.001
37 877	.01	.001

*AU - 1 ASSAY TON

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TIMMINS OFFICE:
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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0134-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-18-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 25 ROCK samples submitted AUG-16-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
8 563	2.44	.071
8 564	5.26	.153
8 565	.08	.002
8 566	.01	.001
8 567	.03	.001
8 568	3.00	.088
37 824	.01	.001
37 825	.01	.001
37 826	.01	.001
37 827	.01	.001
37 828	.01	.001
37 829	.02	.001
37 830	.01	.001
37 831	.01	.001
37 832	.02	.001
37 833	.01	.001
37 834	.01	.001
37 835	.01	.001
37 068	.39	.011
38 069	.38	.011
38 070	.04	.001
38 071	.02	.001
38 072	.37	.011
38 078	.01	.001
38 079	.01	.001

*AU - 1 ASSAY TON

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0136-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-18-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA,C/O MIN-EN LABS

We hereby certify the following Assay of 30 ROCK samples submitted AUG-16-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 836	.01	.001
37 837	.02	.001
37 838	.58	.017
37 839	.02	.001
37 840	.04	.001
37 841	.20	.006
37 842	13.10	.382
37 843	.05	.001
38 080	.01	.001
38 081	.01	.001
38 082	.01	.001
38 083	.02	.001
38 084	.01	.001
38 091	.01	.001
38 097	.03	.001
38 098	.23	.007
38 099	.01	.001
38 100	.02	.001
38 501	.02	.001
38 502	.08	.002
38 503	.28	.008
38 504	.04	.001
38 505	.07	.002
38 506	.03	.001
38 512	.34	.010
38 513	1.72	.050
38 514	.20	.006
38 515	.48	.014
38 516	.96	.028
38 517	.42	.012

*AU - 1 ASSAY TON.

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0139-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-19-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-15-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
8 544	.06	.002
8 546	.07	.002
8 547	.06	.002
8 548	.03	.001
8 549	.04	.001
38 073	.76	.022
38 074	.64	.019
38 075	.68	.020
38 076	.97	.028
38 077	.78	.023
38 085	.02	.001
38 086	.19	.006
38 087	.03	.001
38 088	.02	.001
38 089	.03	.001
38 090	.04	.001
38 092	.06	.002
38 093	.23	.007
38 094	.29	.008
38 095	.10	.003
38 096	.21	.006
38 507	.06	.002
38 508	.42	.012
38 509	.09	.003
38 510	.04	.001
38 511	.17	.005
38 527	1.58	.046
38 528	2.00	.058
38 529	2.59	.076
38 530	14.02	.409

*AU - 1 ASSAY TON

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TIMMINS OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0143-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-19-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-16-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
38 591	.20	.006
38 592	.18	.005
38 593	.40	.012
38 594	.03	.001
38 595	.02	.001
38 596	.02	.001
38 597	.03	.001
38 598	.01	.001
38 599	.03	.001
38 600	.03	.001
38 601	.19	.006
38 602	1.20	.035
38 603	.23	.007
38 604	.02	.001
38 605	.02	.001
38 606	.08	.002
38 607	.70	.020
38 608	.03	.001
38 609	3.32	.097
38 610	.60	.018
38 611	2.20	.064
38 612	2.48	.072
38 613	1.39	.041
38 614	.19	.006
38 615	.18	.005
38 616	.40	.012
38 617	.02	.001
38 618	.01	.001
38 619	.01	.001
38 620	.02	.001

*AU - 1 ASSAY TON

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0143-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-19-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 9 ROCK samples submitted AUG-16-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
38 621	.03	.001
38 622	.01	.001
38 623	.01	.001
38 624	.01	.001
38 625	.02	.001
38 626	.01	.001
38 627	.02	.001
38 646	.01	.001
38 647	.01	.001

*AU - 1 ASSAY TON

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TIMMINS OFFICE:
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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0147-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-21-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-19-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37 849	.31	.009
37 850	.27	.008
37 941	.02	.001
37 942	.22	.006
37 943	.15	.004
37 945	.15	.004
38 566	.02	.001
38 567	.01	.001
38 568	.01	.001
38 569	.03	.001
38 570	.02	.001
38 571	.01	.001
38 572	.07	.002
38 573	.01	.001
38 574	.01	.001
38 575	.01	.001
38 576	.01	.001
38 577	.01	.001
38 578	.01	.001
38 579	.01	.001
38 580	.01	.001
38 581	.02	.001
38 582	.17	.005
38 583	.01	.001
38 628	.02	.001
38 629	.01	.001
38 630	.01	.001
38 631	.01	.001
38 632	.01	.001
38 633	.02	.001

*AU - 1 ASSAY TON.

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0147-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-21-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-19-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
38 634	.02	.001
38 635	.01	.001
38 636	.01	.001
38 637	.18	.005
38 638	.09	.003
38 639	.01	.001
38 640	.01	.001
38 641	.01	.001
38 642	.02	.001
38 643	.80	.023
38 644	.19	.006
38 645	1.18	.034
38 648	.01	.001
38 649	.03	.001
38 650	.24	.007
38 651	.09	.003
38 652	.07	.002
38 653	.02	.001
38 654	.01	.001
38 655	.18	.005
38 656	.02	.001
38 657	.05	.001
38 658	.01	.001
38 659	.01	.001
38 660	.02	.001
38 661	.38	.011
38 662	.05	.001
38 663	.02	.001
38 664	.01	.001
38 665	.17	.005

*AU - 1 ASSAY TON.

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-96

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0147-RA3

Company: BOND GOLD CANADA
Project: 744
Attn: D. KENNEDY/R. JOWETT

Date: AUG-22-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONTARIO
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 31 ROCK samples submitted AUG-19-89 by D. KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
38 666	.01	.001
38 667	.01	.001
38 669	.01	.001
38 670	.01	.001
38 671	.01	.001
38 672	.01	.001
38 673	.02	.001
38 674	.01	.001
38 675	.01	.001
38 676	.01	.001
38 677	.01	.001
38 701	.57	.017
38 702	3.98	.116
38 703	3.77	.110
38 704	.42	.012
38 705	.52	.015
38 706	.05	.001
38 707	.02	.001
38 708	.02	.001
38 709	.49	.014
38 710	.22	.006
38 711	.17	.005
38 712	1.85	.054
38 713	.61	.018
38 714	2.23	.065
38 715	.39	.011
38 716	.80	.023
38 717	.02	.001
38 718	.20	.006
38 719	.63	.018
38 720	.20	.006

*AU-1 ASSAY TON.

Certified by _____

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CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-452
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-962

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0147-RA4

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: AUG-21-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted AUG-19-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
38 721	.20	.006
38 722	.21	.006
38 723	1.31	.038
38 724	1.26	.037
38 725	.03	.001
38 726	.01	.001
38 101	.01	.001
38 102	.02	.001
38 103	.02	.001
38 104	.01	.001
38 105	.01	.001
38 106	.30	.009
38 107	.17	.005
38 108	.03	.001
38 109	.01	.001
38 110	.13	.004
38 111	.07	.002
4 484	.01	.001
4 485	.01	.001
4 486	.16	.005
4 487	.01	.001
4 488	.01	.001
4 489	.02	.001
4 490	48.60	1.418
4 491	24.42	.712
4 492	16.83	.491
8 538	.19	.006
8 542	.01	.001
8 543	.02	.001
8 545	.02	.001

*AU - 1 ASSAY TON.

Certified by _____

MIN-EN LABORATORIES

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VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0161-RA1

Company: BOND GOLD CANADA
Project: 745
Attn: D.KENNEDY/R.JOWETT

Date: AUG-28-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

He hereby certify the following Assay of 8 ROCK samples submitted AUG-26-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
38 112	.01	.001
38 113	.01	.001
38 114	.01	.001
38 115	.01	.001
38 116	.01	.001
38 117	.01	.001
38 118	.03	.001
38 119	.01	.001

*AU - 1 ASSAY TON.

Certified by [signature]

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VANCOUVER OFFICE:
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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0167-RA1

Company: BOND GOLD CANADA
Project: 745
Attn: D.KENNEDY/R.JOWETT

Date: AUG-31-89

Copy 1. BOND GOLD CANADA, STEWART, B.C.
2. BOND GOLD CANADA, TORONTO, ONT.
3. BOND GOLD CANADA, C/O MIN-EN LABS.

We hereby certify the following Assay of 15 ROCK samples submitted AUG-28-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
E615	.01	.001
38 120	.02	.001
38 121	.02	.001
38 122	.03	.001
38 123	.01	.001
38 124	.04	.001
38 125	.01	.001
38 126	.02	.001
38 127	.01	.001
38 128	.02	.001
38 129	.02	.001
38 130	.03	.001
38 131	.01	.001
38 132	.01	.001
38 133	.01	.001

*AU - 1 ASSAY TON.

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VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-96

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9V-0729-RA1

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-22-89

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

He hereby certify the following Assay of 30 ROCK samples submitted JUL-21-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
37030	.88	.026
37031	.02	.001
37032	.37	.011
37033	.06	.002
37034	.25	.007
37035	.20	.006
8001	.40	.012
8002	.41	.012
8192	.05	.001
8193	.04	.001
8194	.18	.005
8195	.06	.002
8196	.02	.001
8197	.03	.001
8198	.07	.002
8199	1.92	.056
8200	.38	.011
8201	.64	.019
8202	.50	.015
8203	.80	.023
8204	.18	.005
8205	.36	.011
8206	.94	.027
8207	1.01	.029
8208	2.65	.077
8209	.21	.006
8210	.05	.001
8211	.17	.005
8212	.21	.006
8213	1.73	.050

*AU - 1 ASSAY TON.

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VANCOUVER OFFICE:
705 WEST 15TH STREET
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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-96

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9V-0729-RA2

Company: BOND GOLD CANADA
Project: 744
Attn: D.KENNEDY/R.JOWETT

Date: JUL-22-89

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

He hereby certify the following Assay of 22 ROCK samples submitted JUL-21-89 by D.KENNEDY.

Sample Number	*AU G/TONNE	*AU OZ/TON
8214	.43	.013
8215	1.00	.029
8216	.82	.024
8217	5.82	.170
8218	.83	.024
4467	.02	.001
4468	.01	.001
4469	.08	.002
4470	.06	.002
4471	22.25	.649
4472	.41	.012
4473	.40	.012
4474	.24	.007
4475	.10	.003
4476	.02	.001
4477	.01	.001
4478	.02	.001
4479	.20	.006
4480	.02	.001
4481	1.20	.035
4482	.61	.018
4483	.15	.004

*AU - 1 ASSAY TON.

Certified by _____

MIN-EN LABORATORIES

ECO-TECH LABORATORIES LTD.

BOND GOLD CANADA INC. - ETS89-9079A

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

C/O JAYCOX INDUSTRIES LTD.
STEWART, B.C.

AUGUST 2, 1989

VALUES IN PPM UNLESS OTHERWISE REPORTED

29 ROCK SAMPLES RECEIVED JULY 15,1989

ET#	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
9079A - 1	8165	9.0	1.50	175	30	370	<5	2.36	3	15	47	314	6.61	.21	<10	.82	1380	22	.03	27	1330	130	40	<20	71	<.01	10	97	60	4	835
9079A - 2	8166	16.4	1.67	135	52	210	<5	2.54	4	28	55	557	10.18	.24	10	.85	1807	22	.03	5	1640	208	50	<20	56	<.01	100	89	20	7	1190
9079A - 3	8167	30.6	.74	6435	42	155	15	1.32	21	21	72	625	9.86	.31	<10	.37	1491	17	.03	11	1360	400	40	<20	39	<.01	20	54	110	3	4704
9079A - 4	8168	6.4	1.20	75	16	265	<5	2.78	13	22	43	204	5.71	.25	10	.82	2266	5	.02	39	1660	200	30	20	68	<.01	30	69	80	6	2774
9079A - 5	8169	13.6	1.72	65	<2	385	<5	2.73	14	23	54	378	7.60	.24	10	1.24	2557	31	.02	25	1780	148	35	<20	63	<.01	90	109	90	6	2825
9079A - 6	8170	11.8	.51	585	<2	300	<5	2.40	9	36	57	197	2.11	.26	10	.20	1109	6	.02	22	1620	278	15	<20	65	<.01	80	23	20	3	1609
9079A - 7	8171	9.0	.90	620	<2	315	<5	1.33	10	12	35	401	5.75	.27	10	.45	923	26	.03	13	1530	178	50	<20	42	<.01	20	70	70	4	2034
9079A - 8	8172	5.4	1.50	65	<2	190	<5	1.55	3	18	34	260	5.27	.24	<10	.63	1404	3	.02	9	1200	90	40	40	70	<.01	90	99	20	1	762
9079A - 9	8173	13.0	2.35	65	42	280	<5	1.26	6	27	65	523	10.24	.23	20	1.06	1462	<1	.02	18	1670	84	45	<20	44	<.01	<10	111	40	4	1555
9079A - 10	8174	.8	.84	30	12	280	<5	2.05	1	13	34	147	4.63	.27	<10	.73	1174	9	.02	5	1160	34	25	<20	88	<.01	140	55	<10	4	372
9079A - 11	8175	4.0	1.48	165	2	190	<5	.51	2	32	23	355	9.92	.20	<10	.48	520	14	.03	<1	1150	120	75	<20	19	<.01	110	94	30	2	547
9079A - 12	8176	.8	.51	105	66	280	<5	1.30	3	15	9	189	4.51	.21	10	.29	473	5	.02	3	970	96	5	<20	42	<.01	30	26	20	2	519
9079A - 13	8177	1.2	.95	45	<2	280	<5	2.09	5	17	25	147	3.93	.24	<10	.64	1271	1	.03	5	1110	62	15	20	71	<.01	90	66	10	6	746
9079A - 14	8178	.8	.90	30	<2	105	<5	1.16	2	14	22	98	3.26	.22	10	.49	716	12	.03	15	970	38	15	20	39	<.01	120	54	20	2	290
9079A - 15	8179	<.2	.86	30	56	315	<5	.84	1	22	9	268	5.14	.22	10	.53	752	8	.03	2	1200	32	30	40	31	<.01	80	65	<10	4	295
9079A - 16	8180	<.2	.93	5	22	225	<5	1.27	2	16	12	183	3.83	.25	20	.68	772	5	.03	9	900	24	10	80	52	<.01	110	78	20	2	179
9079A - 17	8181	1.6	1.14	20	16	210	<5	1.22	1	14	12	156	4.18	.24	<10	.81	599	<1	.03	10	920	54	10	20	42	<.01	50	104	30	1	194
9079A - 18	8182	49.6	.58	60	20	265	50	.85	2	19	25	343	6.22	.24	<10	.25	349	29	.02	<1	980	2388	20	<20	37	<.01	20	36	10	2	321
9079A - 19	8183	3.8	1.07	60	40	405	<5	1.92	1	31	22	440	9.65	.20	10	.48	656	9	.02	<1	970	44	50	<20	91	<.01	110	43	20	4	201
9079A - 20	8184	6.8	1.77	75	50	210	<5	1.27	3	21	29	441	9.92	.20	10	.46	738	9	.03	6	1160	110	35	<20	73	<.01	110	52	40	4	720
9079A - 21	8185	7.6	1.59	85	32	355	<5	3.00	7	31	14	352	9.79	.25	10	.51	1276	10	.02	29	1190	250	45	<20	48	<.01	80	25	20	10	769
9079A - 22	8186	12.0	1.29	120	8	320	<5	1.20	3	33	26	578	10.39	.25	<10	.41	593	20	.02	18	1530	344	100	<20	14	<.01	20	30	<10	6	431
9079A - 23	8187	4.0	1.16	45	10	340	<5	2.54	18	16	19	220	6.60	.24	10	.63	1414	11	.03	23	1280	158	70	20	29	<.01	60	29	40	8	1838
9079A - 24	8188	32.2	.53	55	38	210	40	1.93	9	12	18	161	5.29	.23	10	.30	1103	3	.04	14	920	180	20	<20	22	<.01	10	12	30	7	1278
9079A - 25	8189	16.8	.32	1225	<2	305	10	.57	5	10	17	187	10.65	.22	20	.15	376	14	.03	15	1250	830	75	40	10	<.01	<10	18	<10	7	974
9079A - 26	8190	12.8	1.14	935	<2	45	<5	2.30	5	7	49	237	9.22	.24	<10	.56	1773	10	.03	28	1610	62	25	<20	41	<.01	30	41	40	8	2327
9079A - 27	8191	2.8	.78	70	4	225	<5	4.47	20	13	42	99	7.49	.19	10	1.01	3168	5	.03	13	1490	350	15	<20	66	<.01	110	91	40	12	2136
9079A - 28	37028	22.0	.38	20	<2	205	30	.43	<1	98	28	1619	>15.00	.07	30	<.01	537	8	.02	7	1420	246	60	<20	5	<.01	80	25	10	5	104
9079A - 29	37029	7.8	1.93	95	<2	110	10	.63	4	66	39	680	>15.00	.38	20	.72	1284	15	.03	10	1070	176	60	<20	9	<.01	150	126	10	4	515

NOTE: < = less than
FAX: BOND GOLD - TORONTO

SC89/MISCS

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. CERTIFIED ASSAYER

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9-729R/P1+2
DATE: JUL-22-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37030	8.1	3080	21431	11	21	.1	15	16910	495.5	116	743	333370	720	2	1910	3424	1	10	1	190	108	59	1	1	1	13.4	186	1	1	1	1
37031	.9	7560	1139	5	33	.7	19	29980	28.7	47	413	209890	1600	5	7240	6154	1	80	1	900	51	1	20	1	1	35.6	76	1	2	3	5
37032	3.7	9860	29	11	34	.1	1	590	.5	77	802	350620	1540	3	1410	126	1	70	1	520	32	1	1	1	1	55.6	131	1	1	1	1
37033	1.0	4480	160	7	60	.1	1	170	4.4	30	310	238190	2020	1	530	341	1	70	1	820	53	1	1	1	1	30.6	146	1	1	1	1
37034	5.0	15770	7	10	11	.1	1	860	.1	130	903	400250	360	9	4940	918	1	10	1	400	58	9	1	1	1	59.9	86	1	1	1	1
37035	6.2	16870	54	10	35	.1	2	1850	3.2	112	910	332440	1470	8	4410	347	1	60	1	540	78	6	1	1	1	58.6	321	1	1	1	1
8001	9.6	6940	352	17	17	.1	19	10160	251.0	63	1126	360360	1210	3	4010	604	1	50	1	390	371	24	3	1	1	21.5	36653	1	2	1	1
8002	9.1	6730	850	7	54	.5	13	4250	29.8	52	153	201320	3810	1	1140	78	1	50	1	650	140	8	2	1	1	20.0	1584	1	1	1	40
8192	2.1	16710	24	1	77	1.0	8	41840	7.3	18	110	64600	3980	9	14270	3044	6	50	25	1460	78	1	18	1	1	69.5	339	2	1	1	39
8193	2.9	12350	28	1	98	.9	6	37750	7.0	21	116	60230	4120	5	8990	2612	5	40	27	1610	91	1	16	1	1	44.5	202	2	1	1	30
8194	5.4	9280	27	1	99	.9	9	58840	7.1	10	68	48750	4690	2	9880	3368	6	60	18	1640	78	1	22	1	1	37.8	343	2	1	1	35
8195	2.0	9880	31	2	85	.9	9	67620	10.6	12	69	60800	4570	3	14320	3628	6	70	23	1660	118	4	25	1	1	45.3	492	2	2	1	35
8196	1.1	22230	21	1	135	1.0	7	18940	7.2	15	80	57380	4830	13	13990	1226	7	40	8	1480	62	1	18	1	1	84.9	238	2	1	1	31
8197	1.1	13950	24	1	165	.7	6	27840	7.1	16	73	44450	5220	5	9970	1568	3	80	8	1410	51	1	28	1	1	53.5	294	2	1	1	92
8198	3.0	22420	20	1	163	.8	8	19490	6.5	27	240	79150	5540	10	10590	1324	3	60	2	1650	54	1	23	1	1	119.2	247	2	1	1	59
8199	5.7	17960	22	3	129	.7	9	6080	4.5	38	382	185360	4430	7	6920	530	1	30	1	1130	107	1	7	1	1	109.2	125	1	1	1	1
8200	7.0	22120	21	3	216	.5	7	4100	4.7	35	507	179930	5970	9	5370	660	11	40	1	1180	135	1	7	1	1	54.3	431	1	1	1	1
8201	48.9	10320	64	16	43	.1	16	4390	13.3	133	1950	448410	1970	3	3840	938	1	20	1	490	1349	1	1	1	1	22.3	1472	1	1	4	1
8202	33.5	22940	128	6	128	.3	15	6270	10.6	72	967	248050	4480	10	9080	1704	1	40	1	1330	906	4	4	1	1	67.9	1103	2	2	1	1
8203	33.3	15900	71	3	154	.6	15	12580	41.0	22	465	110970	5240	5	6610	1030	3	60	1	1410	317	2	11	1	1	43.2	4790	1	1	1	5
8204	9.9	18490	294	3	207	.7	10	18380	32.2	21	282	128450	5970	7	7670	1682	2	50	1	1640	305	3	11	1	1	48.3	2348	2	2	1	8
8205	24.5	13520	310	11	51	.1	10	1620	8.7	127	1937	371510	1540	4	6090	373	1	20	1	850	175	1	1	1	1	53.9	589	1	1	1	1
8206	63.3	16890	1298	7	94	.7	28	12870	37.1	41	558	236240	4610	6	6660	1153	7	50	1	1450	1805	9	8	1	1	44.9	800	1	2	1	1
8207	23.3	12250	691	8	130	.6	14	4650	20.1	36	415	182350	5680	2	2790	1081	2	50	1	1420	358	1	5	1	1	46.0	702	1	1	1	1
8208	132.3	9700	1757	10	125	.8	70	8470	41.3	43	493	227520	4830	1	2500	1795	27	80	1	1410	1268	14	11	1	1	45.8	291	1	1	1	1
8209	7.1	13210	21	1	111	1.0	12	22830	6.9	18	222	89330	5170	3	7830	2538	4	60	8	1560	105	2	14	1	1	35.6	290	2	1	1	21
8210	3.0	16810	17	1	95	.9	9	35540	7.0	13	132	68100	4930	8	13440	3055	5	60	10	1650	67	1	20	1	1	55.7	408	2	1	1	30
8211	3.9	25720	33	1	92	1.0	10	60340	6.2	18	140	102550	4610	15	11380	4231	8	50	4	1860	73	1	79	1	1	73.2	201	3	2	1	7
8212	4.1	20910	40	1	42	1.0	12	81650	8.1	20	214	94980	2100	13	15000	7952	6	30	11	970	105	3	27	1	1	53.9	365	3	2	2	66
8213	4.8	13420	73	1	86	1.5	21	92560	6.8	14	97	76750	4550	5	12550	3977	9	60	10	1440	64	1	33	2	1	36.1	77	3	2	1	34
8214	3.6	7460	39	1	77	.8	9	64460	7.1	9	43	46720	4140	2	8730	3711	8	50	11	1400	75	1	27	1	1	27.4	306	1	1	1	29
8215	23.4	11400	45	1	76	.7	19	62080	7.1	11	150	66200	4200	5	11310	5466	12	50	19	1490	291	1	30	1	1	39.7	271	1	1	1	33
8216	17.4	11410	45	1	84	1.0	16	57750	10.0	13	106	65160	4370	4	13380	4689	5	60	19	1850	152	4	30	1	1	48.5	478	2	1	1	31
8217	21.7	12750	51	1	65	.9	24	72220	7.3	14	80	67440	3230	6	10850	4596	5	40	15	1230	136	1	53	1	1	34.2	193	2	1	1	39
8218	8.1	10290	31	1	89	.7	15	71210	6.4	9	49	48790	4380	3	8890	3211	5	60	12	1410	78	1	83	1	1	32.9	164	2	1	1	55
4467	1.0	10340	16	7	30	.6	7	33040	2.5	29	445	216450	660	11	4060	6949	1	50	1	600	48	1	10	1	1	28.7	85	1	2	1	51
4468	2.1	9230	37	5	21	.7	8	38370	4.4	37	473	244590	730	9	7250	5566	1	30	1	760	90	4	6	1	1	31.4	174	1	2	1	4
4469	8.2	24730	139	14	17	.1	7	2770	542.9	56	913	283850	510	20	5960	864	4	30	1	880	617	24	10	1	1	58.6	80418	1	3	4	1
4470	1.0	5530	64	6	29	.6	5	1970	8.0	29	405	233040	1240	4	1660	1852	1	70	1	460	35	1	2	1	1	21.9	879	1	1	1	51
4471	60.6	1530	716	18	28	.1	44	29030	441.2	63	1754	323130	1050	1	890	1051	1	20	1	310	6726	32	56	1	1	7.5	53060	1	3	2	1
4472	3.1	17870	675	7	19	.1	4	1370	19.2	62	951	337410	1600	11	990	427	1	70	1	500	76	1	1	1	1	37.3	418	1	1	4	1
4473	1.8	22900	41	2	15	.1	6	4300	78.3	29	377	244990	700	10	5850	1179	1	20	1	1350	65	1	5	1	1	224.8	8419	1	2	1	54
4474	4.4	2810	215	2	31	.8	8	73570	12.9	27	359	112200	1440	1	4660	3550	1	50	1	570	98	13	13	1	1	14.0	484	1	1	1	61
4475	3.3	20840	1	9	10	.1	3	3780	3.1	58	719	359470	500	9	2750	1312	1	10	1	410	40	1	2	1	1	101.1	559	1	1	1	1
4476	6.3	22810	13	2	33	.1	10	2010	8.2	41	529	249570	1510	8	6930	456	1	10	1	820	108	1	3	1	1	145.8	367	1	1	1	46
4477	3.4	7700	75	2	165	.7	9	66120	174.8	20	304	57230	2720	4	6660	2696	6	80	4	1030	211	9	21	1	1	37.4	19216	2	1	1	29
4478	1.6	3160	121	6	52	.6	10	70210	7.4	25	216	194170	1750	1	10300	4373	1	80	1	750	67	7	35	1	1	26.5	152	2	2	1	15
4479	5.1	13730	231	12	15	.1	1	1740	3.8	51	1055	434540	1360	8	1300	2548	1	30	1	510	17	7	1	1	1	32.4	97	1	1	1	1
4480	1.0	3370	98	9	19	.1	3	3710	4.3	36	578	292810	940	2	2350	3222	1	60	1	450	22	1	1	1	1	16.7	71	1	1	1	33
4481	4.7	9670	1822	6	28	.7	6	1430	112.5	29	321	208010	1600	5	4410	316	58	30	1	840	96	7	3	1	1	154.0	8538	1	1	2	117
4482	4.7	17730	864	5	21	.3	6	1700	99.9	35	518	247020	1120	10	7900	525	42	20	1	1040	91	7	5	1	1	177.9	9921	1	1	2	80
4483	.9	20730	178	10	16	.1	2	5770	5.5	57	786	416700	700	24	9500	3819	1	30	1	510	29	1	1	1	1	64.2	182	1	1	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 91-77R/P1+2
DATE: JUL-22-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37036	5.3	17330	69	5	89	1.0	5	10650	10.9	39	240	143850	4870	6	2980	574	13	310	1	660	349	7	6	1	1	55.2	1021	1	2	1	41
37037	5.3	20900	50	6	77	1.0	5	24820	4.9	63	323	205860	3710	8	6760	803	1	190	1	790	63	4	5	1	1	70.2	200	1	2	1	1
37038	2.6	21420	5	3	60	.9	5	10590	1.3	53	505	227270	2890	11	5370	1046	1	80	1	940	44	1	2	1	1	58.0	75	1	1	1	1
37039	2.5	13600	64	7	43	.6	2	3820	2.9	50	446	264510	2340	4	5650	726	7	200	1	670	42	9	2	1	1	61.1	70	1	1	1	1
37040	14.7	15510	304	6	50	.7	7	7200	9.7	79	1148	268880	1870	5	7490	1173	1	20	1	590	239	1	3	1	1	44.9	340	1	2	1	1
8003	1.1	7730	392	6	103	1.0	3	8350	10.2	30	52	164290	3310	1	900	165	1	280	52	200	97	7	8	1	1	15.2	38	1	2	1	76
8004	8.8	12930	2005	8	118	1.3	7	54540	62.6	34	993	149310	5390	1	7850	2298	1	240	1	530	1650	11	41	2	1	42.3	1730	2	3	1	35
8005	4.0	22280	44	6	205	.9	6	37260	4.5	15	3043	26610	8940	3	3730	1117	2	410	8	1140	44	1	32	2	1	68.2	43	1	2	1	71
8006	1.9	21420	28	10	385	1.4	6	3700	2.9	23	43	90850	5940	10	3120	420	5	600	1	1070	46	1	8	1	1	53.7	46	1	2	1	25
8007	3.0	14590	162	7	254	1.0	4	1240	6.3	17	53	74430	4760	4	1800	47	1	110	4	610	53	1	3	1	1	64.2	57	1	1	1	104
8008	.5	22020	1	10	685	.8	4	1120	2.4	9	45	29320	6580	7	2880	58	2	190	2	1450	24	1	10	1	1	53.1	29	1	1	1	64
8009	2.7	21670	67	27	320	1.6	6	8380	3.9	36	49	114220	9210	1	3060	385	1	290	1	790	63	2	8	1	1	49.9	42	1	2	1	71
8010	15.3	8230	1	2	188	.4	2	860	13.2	6	6204	19410	3300	2	660	137	1	120	2	300	110	131	4	1	1	17.3	1297	1	1	2	233
8011	6.1	21460	35	8	392	.7	6	8800	3.8	9	861	36290	8580	2	2940	681	6	140	2	690	36	4	6	1	1	43.4	40	1	2	1	105
8012	6.1	24490	98	27	252	1.3	7	5310	4.5	19	67	97890	10210	2	1700	94	1	500	1	510	29	20	7	1	1	42.2	31	1	2	1	61
8013	.5	16820	33	6	248	.8	4	320	2.6	7	69	35840	6820	1	620	152	3	340	1	740	17	1	4	1	1	24.2	40	1	1	1	81
8014	1.0	25550	18	7	488	1.0	5	12320	3.4	12	59	32590	8840	6	3340	458	11	480	3	930	41	1	8	2	4	34.7	42	1	1	1	42
8015	44.5	11140	108	8	225	1.1	2	11930	5.3	25	10230	92980	3590	2	1840	806	2	200	4	510	64	33	6	1	1	23.7	34	1	2	1	74
8019	1.3	25470	1	1	250	1.1	7	15290	6.2	12	106	49230	8140	10	12170	1223	13	70	5	1490	47	1	15	2	1	90.8	272	2	2	1	25
8020	1.6	29000	15	1	231	1.3	8	12110	6.3	20	160	70840	8030	11	12330	777	4	60	2	1530	57	1	13	3	1	101.1	232	2	2	1	16
8021	2.8	22550	153	3	192	1.4	8	1670	6.8	18	170	141240	5830	7	7300	246	3	60	1	1100	114	1	3	1	1	75.9	239	1	2	1	46
8022	4.7	28290	17	3	226	.9	7	3200	4.6	46	583	194340	5740	11	5950	746	1	40	1	1400	101	1	3	1	1	77.4	162	1	2	1	1
8023	62.2	16260	165	9	54	.3	22	1900	30.6	72	902	311770	1810	5	3460	304	10	20	1	690	17491	36	1	1	1	51.2	3211	1	2	1	1
8024	34.6	7320	96	5	50	1.1	19	460	3.9	29	373	189730	1830	2	1810	40	5	30	1	550	4561	8	1	1	1	37.8	238	1	1	1	85
8025	20.2	16870	52	4	63	.9	10	4000	6.8	56	1272	205440	2410	6	7200	576	5	40	1	860	448	1	2	1	1	64.4	320	1	2	1	74
8026	16.1	19190	73	5	58	1.1	9	5190	6.4	55	760	238820	2160	7	9170	982	1	20	1	690	240	1	1	1	1	54.0	273	1	2	1	17
8027	12.7	15210	326	6	169	1.3	8	2780	13.5	34	472	177690	5460	2	3120	670	1	50	1	970	234	7	2	1	1	61.9	580	1	1	1	25
8028	2.1	18710	45	4	202	1.3	7	29420	5.7	26	238	81710	8050	2	8090	1715	2	90	1	1360	67	1	19	3	1	92.7	196	2	2	1	21
8029	2.0	19480	8	4	192	1.4	8	19180	3.9	27	328	106830	7480	4	6500	1331	14	70	1	1150	53	1	14	2	1	63.1	64	1	2	1	8
8030	4.0	12760	16	10	116	1.1	7	11300	2.9	35	507	245410	5110	3	4140	1469	4	50	1	840	52	1	8	1	1	44.9	117	1	2	1	1
8231	23.0	13250	8	8	18	.1	25	1900	.1	52	881	343450	950	5	4540	439	1	10	1	570	54	1	1	1	1	53.8	221	1	1	1	1
8232	14.3	18180	18	1	57	1.6	19	31060	6.6	17	218	126100	2680	8	11330	4524	16	30	1	1100	113	1	8	1	1	58.5	324	2	2	1	30
8233	5.9	20960	16	1	79	1.3	19	53360	5.7	14	114	92730	4230	9	13060	3436	7	50	3	1320	55	1	22	2	1	48.4	106	2	2	1	26
8234	3.2	18340	15	1	100	1.2	7	25970	5.7	14	148	72730	4730	7	6810	1909	2	50	8	1340	160	1	31	1	1	46.4	335	1	1	1	46

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 91-78R/P1
DATE: JUL-22-89
• TYPE ROCK GEOCHEM • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
8016	51.4	7100	429	1	77	1.0	4	9030	22.8	15	225	83670	3270	1	2620	2834	1	80	1	560	1356	62	4	1	1	15.8	1981	1	1	1	62
8017	29.9	8990	177	1	87	.7	2	1120	6.7	6	28	50610	3850	1	1140	1314	1	100	1	1140	148	14	5	1	1	22.1	417	1	1	1	32
8018	26.3	9220	356	1	87	.9	2	320	8.7	8	21	53820	4310	1	550	358	1	110	1	900	607	21	4	1	1	21.1	246	1	1	1	93
8019	33.1	11880	458	2	103	1.3	3	540	12.9	14	44	86400	5430	1	680	883	1	140	1	990	185	28	4	1	1	25.6	664	1	1	1	58
8020	7.2	14430	335	2	107	1.1	3	1200	11.7	12	37	75730	6260	1	1160	1369	1	150	1	1070	62	6	4	1	1	29.4	544	1	1	1	58
8021	21.7	7570	356	1	64	.9	3	730	9.9	11	26	62110	3660	1	560	533	1	90	1	390	69	15	1	1	1	15.9	307	1	1	1	92
8022	9.6	11360	174	1	69	.9	4	8540	23.8	9	29	44580	4220	4	4240	4100	2	100	5	760	62	9	4	1	1	24.3	2642	1	1	1	70
8023	7.6	5700	307	1	54	.6	1	80	7.4	7	13	44620	3010	1	270	74	1	70	1	300	64	3	1	1	1	13.0	160	1	1	1	118
8235	5.0	13440	22	2	118	.9	8	45730	5.6	13	148	56380	6100	1	9310	2521	5	70	8	1110	110	1	24	1	1	36.5	144	1	1	1	26
8236	1.9	15450	10	1	88	1.0	7	37930	4.7	17	189	72280	4430	5	8330	1863	2	50	4	1000	54	1	37	1	1	32.6	129	1	1	1	55
8237	8.9	17520	40	1	68	1.1	12	44160	6.7	27	341	104560	3300	10	10940	1984	6	40	1	1060	183	1	40	1	1	38.0	358	2	1	1	55
8238	3.5	14530	31	1	83	1.0	7	48790	9.7	14	126	65810	4330	5	12410	2424	5	60	6	1100	113	1	41	2	1	34.3	620	2	1	1	61
8239	1.6	13560	14	1	140	1.0	7	44410	9.8	20	139	50840	6050	2	10480	1529	4	90	4	1180	56	1	30	1	1	47.3	526	1	1	1	29
8240	.8	20090	11	1	155	1.1	6	24740	6.3	17	116	59370	6070	6	12820	1135	2	170	3	1250	53	1	29	1	1	67.2	175	1	1	1	22
8241	.7	21140	10	1	150	1.3	7	19860	5.4	19	94	67310	5370	9	13980	1158	3	140	1	1210	56	1	25	1	1	82.2	157	2	1	1	26
8242	1.4	18650	15	1	137	1.1	6	9860	5.3	20	133	85460	4450	7	10770	663	1	70	1	1480	61	1	15	1	1	102.0	163	1	1	1	30
8243	6.5	13870	82	6	202	1.1	19	5670	3.8	22	370	187220	5630	2	3710	416	1	40	1	1270	129	1	6	1	1	60.2	363	1	1	1	1
8244	14.0	5390	25	11	82	.3	34	660	1.1	28	381	320430	3350	1	500	47	1	20	1	820	172	1	1	1	1	41.2	118	1	1	1	1
8245	15.9	7820	12	6	193	.8	7	860	2.2	17	215	186630	5530	1	790	72	3	30	1	950	216	1	3	1	1	30.9	119	1	1	1	1
8246	13.4	9250	36	3	147	1.1	9	5790	3.1	15	152	127510	4460	1	2730	450	3	20	1	1020	408	1	9	1	1	46.8	216	1	1	1	1
8247	2.5	12300	24	1	158	.9	9	18950	5.1	20	191	72630	4890	3	6520	1457	4	50	1	1220	111	1	12	1	1	59.0	267	1	1	1	2
8248	3.0	18530	28	1	127	1.3	9	19950	4.9	29	242	90430	4810	7	9570	1309	5	40	1	1440	58	1	17	1	1	84.8	138	1	2	1	11
8249	8.4	14520	67	3	119	1.1	14	3390	3.5	28	406	182050	4660	4	4940	675	1	30	1	1200	52	1	4	1	1	82.2	185	1	1	1	1

COMP: BOND GOLD
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0081-RJ1
DATE: JUL-26-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
8024	16.2	7510	608	1	69	.5	5	13400	20.2	12	111	75760	3460	1	3970	4440	2	90	1	450	97	26	2	1	1	16.8	557	1	1	2	53
8025	5.1	22320	95	3	158	1.1	11	16090	8.5	14	19	47540	8200	6	7140	11359	3	230	20	1250	77	1	8	1	1	46.9	383	2	2	3	17
8026	125.7	14500	583	7	139	1.1	8	6430	128.4	12	202	89040	6290	2	2280	2194	3	180	1	1070	639	170	7	1	1	33.2	16669	1	2	1	23
8027	30.8	18000	327	3	262	.6	5	280	9.3	8	27	40140	8310	1	670	84	1	220	1	440	127	27	3	1	1	36.8	310	1	2	1	27
8028	319.0	4480	702	3	49	.6	3	600	64.3	12	292	94600	2300	1	280	88	3	60	1	180	3650	373	4	1	1	7.6	9293	1	1	1	61
8029	520.4	10790	528	3	110	.9	6	7020	15.3	11	139	80680	4950	2	2400	2986	1	140	1	990	19197	1113	5	1	1	26.8	701	1	2	1	38
8030	18.9	17530	892	6	172	1.1	7	4580	24.5	16	29	99230	8170	1	2080	1328	1	210	1	690	332	13	3	1	1	37.2	262	1	1	1	35
8031	74.2	23670	283	2	147	1.2	9	11460	26.5	15	232	75890	7220	10	8710	4037	2	170	1	1170	3966	88	7	1	1	50.6	2581	5	2	3	27
8032	174.3	11240	440	3	101	.9	8	11320	49.9	11	238	69670	5070	1	2810	4596	1	130	1	680	1214	186	7	1	1	22.8	5430	2	2	2	52
8033	5.0	13440	438	1	152	.6	4	1330	12.3	10	44	43730	6570	1	650	164	1	150	1	610	59	1	3	1	1	26.1	248	1	1	1	32
8034	11.1	13710	499	4	164	.8	5	3830	17.4	15	36	70750	6490	1	1420	894	2	170	1	700	251	7	6	1	1	30.2	843	1	1	2	74
8035	11.3	18090	682	7	205	1.0	5	4330	30.8	17	67	74270	8530	1	1380	597	1	240	1	980	445	16	6	1	1	36.2	2356	1	2	1	40
37041	2.2	14600	18	1	20	.6	13	35890	3.8	14	88	13510	430	11	7820	428	2	270	10	590	32	1	88	1	1	87.8	43	7	1	5	110
37042	.5	5930	221	1	48	.5	3	170	6.2	8	6	28180	3720	1	420	10	2	320	1	60	17	32	2	1	1	3.2	105	1	1	2	99
37043	.4	4620	102	1	55	.3	2	150	3.1	4	6	13710	3240	1	310	16	2	450	1	90	11	9	3	1	1	3.0	11	1	1	3	137
37044	.6	4750	5	1	246	.6	3	850	1.4	11	20	42240	2590	2	1140	188	1	1010	1	760	30	1	44	1	1	34.9	27	3	1	1	64
37045	.7	7240	8	1	63	.5	4	31040	1.0	3	10	4530	4260	1	1520	1155	2	460	4	80	16	1	125	2	2	3.4	13	3	1	3	126
37901	15.9	8160	58	13	24	.1	3	320	244.6	83	1130	321730	1010	4	1220	189	1	10	1	400	122	6	4	1	1	20.8	36408	1	1	1	1
37902	4.4	10140	70	9	56	.1	3	1610	52.7	49	560	260390	2130	4	2260	1064	1	40	1	580	109	4	7	1	1	28.0	7678	1	1	1	1
37903	4.5	9320	30	11	107	.3	2	1840	13.3	43	341	246050	4020	1	820	373	1	50	1	460	95	1	3	1	1	27.2	2108	1	1	1	2
37904	3.7	7530	53	8	83	.7	4	620	10.8	23	183	181080	2710	2	1280	1347	1	40	1	380	148	5	2	1	1	23.3	1421	1	1	2	48
37905	4.9	8080	47	11	50	.1	1	440	29.5	43	789	278250	2380	2	760	420	1	30	1	420	97	4	1	1	1	22.8	4587	1	1	1	1
37906	3.9	6750	46	9	67	.2	2	140	3.3	40	313	261950	2590	1	470	124	1	30	1	470	70	1	2	1	1	23.9	923	1	1	1	1
37907	.8	14780	75	4	134	1.0	6	8430	11.0	19	136	111970	5460	3	4440	3394	1	70	1	1670	61	1	8	1	1	51.8	1233	2	1	1	1
37908	1.6	10950	187	7	201	.7	4	630	5.9	15	30	91300	5830	1	530	1	1	160	1	580	45	69	5	1	1	32.0	87	1	1	1	18
37909	2.0	9770	63	3	346	.6	3	4900	4.0	21	88	26770	5110	1	540	87	1	130	2	1400	67	1	13	1	1	25.8	251	1	1	1	23
37910	1.7	8820	95	2	894	.6	2	780	4.0	11	25	52610	3880	2	1410	47	1	380	1	570	46	17	22	1	1	31.2	46	1	1	1	53
37911	.5	5290	34	1	1517	.3	2	3060	2.4	12	25	19450	2490	1	1180	188	1	100	1	790	19	1	48	1	1	17.6	84	1	1	1	37

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-U082-KJ1
DATE: JUL-29-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
8036	6.4	5100	421	1	90	.9	6	17520	17.4	12	106	41870	2870	1	3620	1468	1	70	2	1520	338	4	7	1	1	17.7	1142	1	1	1	26
8037	5.8	4110	415	1	39	.4	2	1450	9.4	3	30	22040	2350	1	460	22	1	60	1	900	2180	6	4	1	2	9.4	361	1	1	1	34
8038	16.9	3700	4048	1	38	.3	6	620	84.3	4	24	26600	2480	1	270	13	1	50	1	650	4644	41	3	1	1	7.9	117	1	1	1	33
8039	3.8	12050	31	1	52	.8	8	24810	2.7	24	191	110220	2610	3	6040	1502	1	50	1	1080	88	1	7	1	1	61.6	260	1	1	1	1
8040	7.5	7330	37	1	43	.8	10	43850	8.3	24	207	89540	2760	1	6690	3250	1	60	1	1060	183	1	11	1	1	29.4	673	1	2	2	3
8041	37.6	6410	3360	1	86	.8	9	6410	77.6	18	133	108060	2550	1	1180	800	1	50	1	1080	13730	62	5	1	1	26.3	872	1	2	1	7
8042	16.0	5870	7419	1	28	.7	8	10830	182.5	23	273	104000	2040	1	3010	1166	1	40	1	920	3981	41	4	1	1	16.9	4175	1	2	1	1
8043	2.7	5630	209	1	32	.8	8	25370	6.9	24	173	87030	2220	1	6110	3042	1	40	1	1360	90	1	7	1	1	33.5	186	1	1	1	1
8044	2.4	8500	148	1	31	1.0	9	25870	6.9	23	152	83480	2050	2	7980	2361	3	40	1	1520	55	1	11	1	1	65.5	263	2	1	2	2
8045	2.6	7450	30	1	33	.8	9	45490	3.9	13	116	54110	2250	2	11550	2981	5	50	5	1660	71	2	9	1	1	45.3	157	3	1	2	4
8046	3.3	15650	22	1	30	.8	8	27380	3.8	20	138	71010	2320	7	10920	1956	2	50	1	1530	60	1	13	1	1	92.0	209	4	2	2	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0086-...
DATE: JUL-28-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
8047	4.9	1280	176	1	117	.4	2	18810	11.2	9	27	40160	680	1	260	247	1	40	1	510	77	29	101	1	3	6.2	912	1	1	1	37
8048	14.3	1440	215	6	111	1.0	12	106530	395.2	17	85	76910	710	1	12340	5343	11	40	11	640	138	76	71	4	1	14.6	43321	2	2	3	9
8049	21.1	1360	270	1	192	.4	1	7260	34.0	6	23	44000	740	1	140	175	1	30	1	180	166	44	152	1	3	4.7	3617	1	1	1	56
8050	13.0	11850	41	3	25	.1	5	1220	33.3	42	415	269460	1280	6	2320	580	1	40	1	510	5713	29	3	1	1	37.1	5815	1	1	1	1
8051	24.7	14480	7110	1	29	.1	3	4210	159.5	118	316	246550	790	12	3270	634	1	20	1	680	107	128	3	1	1	48.5	193	1	1	1	4
8052	89.4	2950	210	7	35	.8	19	11740	287.2	27	383	171130	320	2	730	2456	8	10	1	460	39274	451	7	1	1	12.3	42800	1	2	1	8
8053	1.8	1130	179	1	42	.3	1	3490	4.9	3	11	23830	780	1	110	117	6	30	1	220	208	14	4	1	1	5.0	173	1	1	1	106
8054	36.2	5100	584	10	12	.1	1	2550	28.5	80	986	414430	570	2	520	648	1	10	1	110	1547	125	6	1	1	14.0	3186	1	1	1	1
8055	3.8	2570	78	12	9	.1	1	440	.1	67	541	453110	570	1	530	270	1	10	1	90	50	1	1	1	1	10.1	143	1	1	1	1
8056	1.8	2060	3	6	5	.1	56	200	.1	45	329	328820	210	1	200	60	1	10	1	120	36	1	1	1	1	11.4	146	1	1	1	1
8057	1.5	9700	226	1	91	1.0	3	3740	11.2	13	124	64400	4200	1	1050	147	1	130	1	1390	1165	1	6	1	1	27.6	446	1	1	1	45
8058	1.6	21540	113	1	43	1.4	8	10370	6.8	42	224	133250	2700	15	9720	467	1	140	1	1520	75	2	9	1	1	72.3	89	2	1	1	23
8250	12.0	12260	10	2	48	.1	12	2890	2.0	73	1348	278710	3090	3	4230	448	1	20	1	700	41	1	3	1	1	46.4	106	1	1	1	1
8251	9.5	14140	20	1	107	1.1	12	14020	4.3	17	172	108020	4840	3	6310	1591	2	40	1	1250	82	1	12	1	1	44.1	280	1	1	1	1
8252	2.2	20630	28	1	62	1.1	16	31850	4.9	19	226	106670	3220	8	13030	2403	8	30	1	1210	61	1	14	1	1	56.1	149	2	1	1	15
8253	5.0	13510	4	4	14	.1	12	3420	.7	56	731	332020	610	3	4810	419	1	10	1	620	44	1	2	1	1	55.0	96	1	1	1	1
8254	13.5	15010	40	3	11	.1	12	7780	1.7	61	751	300290	430	3	6980	865	1	10	1	550	70	1	3	1	1	51.9	135	1	1	1	1
8255	10.3	7830	24	6	3	.1	6	6400	2.0	89	1345	380390	180	2	7140	1825	1	10	1	330	31	1	1	1	1	23.8	244	1	1	1	1
8256	93.6	6740	153	1	43	.9	14	37900	46.8	46	753	155450	1780	1	10210	2156	10	40	1	810	131	103	35	1	1	27.1	3391	2	2	1	18
8257	4.5	14630	60	1	88	.8	5	29440	7.0	20	132	42610	3710	6	7710	1200	3	60	7	1400	58	1	30	1	1	42.8	301	2	1	1	71
37912	.6	10800	203	1	149	.9	4	29590	15.7	15	43	31480	5110	1	1930	2598	4	70	8	1720	51	1	10	1	1	28.2	943	1	1	1	41
37913	8.5	4560	338	1	45	.9	4	6870	56.7	17	183	87770	2800	1	400	447	1	40	1	710	865	24	6	1	1	14.1	6341	1	1	1	72
37914	16.7	4540	948	1	26	.8	2	3800	181.2	29	590	146610	2190	1	710	653	1	30	1	810	2259	43	7	1	1	12.2	20614	1	1	1	33
37915	15.2	2240	1252	2	24	1.1	3	3230	101.2	29	373	179450	1420	1	200	315	1	10	1	380	2042	65	3	1	1	7.2	10804	1	1	1	6
37916	12.7	5650	293	1	67	1.0	7	23270	20.6	57	322	136430	2960	1	6490	1941	1	40	1	1410	388	25	16	1	1	20.8	1232	1	1	1	1
37917	.2	4680	107	1	108	.6	1	6530	3.3	13	25	34240	3080	1	320	218	1	50	1	1180	21	2	16	1	1	11.8	75	1	1	1	42
37918	.7	4160	134	1	361	.3	2	240	4.3	4	16	29060	2720	1	170	8	1	50	1	220	27	19	20	1	1	12.0	79	1	1	1	61
37919	1.3	1970	81	1	4131	.1	1	510	3.1	6	28	15570	1350	1	100	40	1	30	2	460	46	23	37	1	1	5.5	129	1	1	1	35
37920	1.2	10280	77	1	1159	.7	3	4170	22.7	12	29	35330	2320	4	2950	332	2	50	1	1030	149	10	16	1	1	25.9	3019	1	1	1	26
37921	1.7	2140	110	1	1621	.3	1	560	2.8	4	20	21800	1360	1	180	22	5	30	1	560	85	9	16	1	1	7.4	177	1	1	1	29
8258	1.1	16590	28	1	78	.9	7	40310	8.2	20	163	57630	3360	9	15800	1552	6	90	4	1440	84	1	18	3	1	87.2	277	2	1	1	18

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0096 .1+2
DATE: JUL-30-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37101	.9	9330	3	1	62	1.1	4	50600	3.5	11	10	46880	2220	5	9140	1520	9	50	3	1050	38	1	31	1	1	37.2	43	1	1	1	12
37102	.2	9420	2	1	72	.9	4	63430	3.7	10	43	30820	2390	5	9160	1536	4	60	2	1090	31	1	31	1	1	37.8	39	1	1	1	15
37103	1.1	14050	44	1	88	1.2	6	56170	5.2	15	166	60690	2670	7	10060	1553	3	50	4	1100	56	1	31	1	1	47.2	52	1	1	1	11
37104	1.6	17150	12	1	67	1.2	5	75800	30.3	11	136	49620	2760	9	12650	2324	5	50	6	1050	425	1	32	2	1	54.9	2235	1	1	1	10
37105	2.2	19370	18	1	78	1.4	5	70540	37.2	13	249	55140	2840	9	10950	1669	2	70	4	1190	427	1	34	1	1	51.7	2960	1	1	1	10
37106	1.5	21080	4	1	51	1.1	6	58920	4.8	13	182	60530	2690	11	12350	1504	5	80	3	1130	101	1	26	1	1	54.7	106	1	1	1	14
37107	1.2	22390	4	1	47	1.5	6	53000	7.1	24	256	79540	2590	11	12610	1906	3	60	3	1180	99	1	26	1	1	68.9	215	1	1	1	15
37108	1.1	22030	7	1	59	1.4	6	54290	5.5	15	139	62680	2860	11	13720	2279	8	60	3	1180	52	1	29	1	1	77.2	79	1	1	1	14
37109	1.9	24960	48	1	56	1.9	8	45920	9.7	22	310	91640	2810	13	15570	2105	6	50	3	1260	81	1	26	1	1	81.7	422	1	1	1	6
37110	1.5	16080	25	1	53	1.4	5	66920	10.0	18	299	73230	2880	8	12430	1817	6	50	2	1020	121	1	46	1	1	63.7	436	1	1	1	10
37111	.7	19550	26	1	56	1.7	7	58370	7.5	17	180	70570	3000	11	15600	1474	6	50	1	1120	67	1	28	1	1	75.1	273	1	1	1	9
37112	.7	16120	8	1	68	1.1	5	61830	4.9	11	128	48670	3190	8	13830	1720	8	60	4	1200	52	1	29	1	1	65.6	110	1	1	1	6
37113	.3	14860	1	1	79	1.4	4	44320	4.8	15	25	59710	3800	6	11540	1236	6	80	3	1270	40	1	23	1	1	51.1	62	1	1	1	1
37114	.3	8680	5	1	75	1.0	3	46880	6.5	12	64	29320	4430	1	8320	1417	2	60	7	1590	55	1	14	1	1	22.6	320	1	1	1	3
37115	2.0	9950	9	1	69	1.0	5	55200	4.7	11	89	29920	4580	2	10460	1739	4	60	7	1630	39	1	15	1	1	35.9	138	1	1	1	2
37116	1.1	8060	19	1	62	1.0	5	62460	8.5	12	131	27060	4340	1	10470	2256	4	60	10	1480	51	1	21	1	1	26.1	409	1	1	1	7
37117	.7	10580	20	1	59	1.2	4	43440	7.8	15	132	42030	4040	2	9390	1729	8	50	18	1320	54	1	18	1	1	36.9	433	1	1	1	12
37118	2.4	7160	672	1	60	1.2	5	59300	52.3	64	233	45170	3900	1	12430	2541	6	60	30	1270	132	17	14	1	1	27.1	3890	1	1	1	9
37119	8.0	14210	73	3	39	2.2	7	27300	8.8	84	651	199140	2760	2	8680	1722	1	30	1	950	117	19	12	1	1	36.6	524	1	1	1	1
37120	1.5	7910	39	1	69	1.3	4	42660	14.4	17	146	51130	4390	1	7750	1656	3	60	8	1300	56	1	18	1	1	24.3	1209	1	1	1	4
37121	4.3	4930	238	1	45	1.1	7	140640	12.1	43	196	48600	2910	1	9020	2359	4	60	10	770	63	10	28	4	1	19.3	370	2	1	1	6
37122	2.2	11630	161	1	75	1.5	6	46430	11.9	30	252	52870	4760	2	11150	1808	2	60	3	1420	74	2	25	1	1	38.6	500	1	1	1	3
37123	1.4	17610	667	1	73	1.6	5	34640	24.6	30	202	78020	4780	4	10420	1699	2	50	2	1480	78	4	16	1	1	47.9	792	1	1	1	1
37124	1.8	11120	22	1	74	1.3	5	46620	15.6	19	113	48630	4560	1	14580	2006	3	60	6	1170	113	2	17	1	1	31.1	1296	1	1	1	2
37125	1.0	9250	11	1	116	1.3	4	47470	26.7	22	171	48410	4260	1	11880	2051	3	40	3	1320	431	1	21	1	1	37.8	1867	1	1	1	1
37126	1.5	7820	13	1	50	1.5	6	35870	6.8	33	221	72390	2820	2	11210	1448	2	30	2	1390	102	3	20	1	1	45.1	308	1	1	1	9
37127	.4	9510	61	1	57	.9	3	36710	7.6	17	180	35730	2990	2	11030	1810	4	20	8	1240	67	1	24	1	1	49.3	247	1	1	1	19
37128	1.0	18010	14	1	51	1.4	5	31490	5.6	27	185	68830	2850	3	9510	1581	3	20	3	1200	88	1	21	1	1	62.4	186	1	1	1	19
37129	1.0	14520	4	1	51	1.5	5	31080	5.1	24	168	63520	2710	6	13730	1710	5	20	8	1370	68	1	20	1	1	82.5	114	1	1	1	12
37130	5.0	11120	6	1	68	1.3	7	32790	12.4	22	188	60560	2720	4	12180	1766	5	20	5	1430	89	1	27	1	1	88.3	948	1	1	1	13
37131	4.4	10720	1	1	73	1.1	7	31610	5.0	24	168	52590	2670	5	10250	1430	6	20	4	1400	70	2	25	1	1	61.2	256	1	1	1	15
37132	1.5	16930	1	1	69	1.3	7	33010	5.7	23	153	61870	2710	9	15100	1588	4	20	3	1390	42	1	25	1	1	99.8	282	1	1	1	17
37133	1.7	18770	1	1	70	1.4	7	29740	6.4	22	137	59860	3020	10	14280	1433	4	20	7	1520	48	1	25	1	1	107.0	238	1	1	1	14
37134	3.5	12350	1	1	87	1.3	9	40500	5.7	20	129	56330	3460	6	13350	1987	3	30	8	1330	54	1	36	1	1	74.4	270	1	1	1	16
37135	2.0	17180	9	1	141	1.4	7	36360	6.7	23	141	61180	3350	9	14340	1746	3	30	6	1350	56	2	38	1	1	107.6	351	1	1	1	16
37136	1.2	20550	1	1	89	1.3	7	27410	5.8	25	179	63300	3420	11	15590	1495	2	20	5	1350	80	1	36	1	1	112.4	224	1	1	1	22
37137	.5	18550	1	1	82	1.3	6	37640	5.1	22	150	58120	3340	10	16690	1773	4	30	6	1310	59	1	45	1	1	105.9	117	1	1	1	13
37138	.3	19870	6	1	72	1.3	6	29800	5.2	23	139	57030	3010	12	17020	1460	3	40	6	1590	41	1	27	1	1	104.4	101	1	1	1	21
37139	.6	15350	1	1	77	1.2	6	36520	4.5	20	109	52590	3210	8	14310	1367	3	40	4	1280	39	2	49	1	1	76.3	110	1	1	1	13
8059	14.0	760	56	27	21	.7	15	19530	2199.3	28	232	28000	370	1	1760	654	23	10	8	540	58	45	25	1	1	3.9	210440	6	3	1	45
8060	11.6	930	18	12	14	.5	8	11080	1240.4	17	286	20690	570	1	600	700	17	20	6	440	63	25	11	1	1	3.6	105385	3	2	9	61
8061	7.3	1070	31	6	53	.4	5	15160	783.2	14	180	15810	590	1	230	316	13	20	6	450	217	25	45	1	1	3.3	77034	2	2	5	70
8062	11.9	770	7	20	77	.7	12	13620	1773.6	23	107	25990	350	1	1420	645	21	20	9	450	110	29	17	1	1	3.5	234100	4	3	1	93
8063	8.1	770	42	12	47	1.1	12	60840	1005.5	19	244	50470	360	1	7520	2988	16	20	10	400	159	27	52	2	1	8.0	85219	3	2	9	41
8064	2.1	1150	1	1	411	.7	4	58380	170.2	12	105	26910	660	1	2870	1914	4	20	6	440	31	3	6	1	1	8.8	14361	1	1	1	48
8065	3.6	570	66	1	23	.2	1	5530	9.2	3	1148	13540	290	1	110	298	1	30	1	100	356	372	4	1	1	2.1	581	1	1	1	123
8066	3.4	2690	35	1	307	.8	1	36920	2.3	19	646	38300	1680	1	460	1099	1	60	3	630	26	4	43	1	1	9.4	114	1	1	1	88
8067	12.9	2600	81	7	62	.7	8	7540	898.1	16	1138	21910	1400	1	2280	626	13	30	8	600	259	16	12	1	1	11.7	72685	1	2	4	78
8068	1.2	5020	38	1	78	.6	1	1200	3.9	15	19	28140	2880	1	220	220	1	50	1	1240	78	12	4	1	1	10.4	289	1	1	1	55
8259	2.4	9590	13	1	94	1.3	6	23050	17.1	27	208	52410	3840	2	7470	811	6	30	3	1540	175	1	28	1	1	30.6	1212	1	1	1	11
8260	1.9	13200	8	1	96	1.7	8	14920	5.1	28	234	88700	3710	4	7960	736	39	40	1	1650	165	1	22	1	1	69.1	366	1	1	1	1
8262	1.5	10220	1	1	84	1.3	5	18550	5.0	19	138	61280	3480	4	8830	819	5	40	1	1320	213	1	29	1	1	41.1	323	1	1	1	12
8263	1.3	6330	67	1	91	1.1	3	15620	6.6	9	72	38430	3820	1	4790	646	1	30	1	1500	71	1	20	1	1	17.1	278	1	1	1	15
8264	2.2	7670	29	1	81	1.5	5	26280	4.9	19	195	70480	3910	1	8590	1255	7	30	1	1390	69	2	27	1	1	28.3	226	1	1	1	10
8265	144.1	5070	159	9	63	2.4	84	2700	4.1	29	595	280790	1980	1	1000	143	10	10	1	880	698	1	6	1	1	32.2	638	1	1	1	1
8266	2.8	5020	37	4	73	2.3	4	2370	1.3	17	228	175300	2920	1	1580	153	1	40	1	1200	102	1	5	1	1	35.5	145	1	1	1	1
8267	1.7	9400	9	1	74	1.2	3	7970	3.0	11	101	58510	3250	2	4520	378	1	50	1	1700	38	1	11	1	1	47.3	127	1	1	1	1
8268	.9	9210	16	1	67	1.5	3	18440	3.5	17	114	66540	3020	3	8000	971	2	60	1	1570	45	1	21	1	1	57.5	194	1	1	1	2
8269	.6	11230	20	1	58	1.3	6	31920	5.7	16	95	50430	2800	5	14470	1635	4	70	5	1380	48	1	30	1	1	69.4	108	1	1	1	9
8270	.4	6020	6	1	49	1.0	4	33060	4.8	11	54	42800	2320	2	9520	1618	3	40	6	1090	89	1	28	1	1	24.5	154	1	1	1	24

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-C092
DATE: JUL-29-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37174	4.5	2130	29	13	18	.1	1	11990	10.1	199	1744	386990	1200	1	2790	532	1	10	1	280	98	1	2	1	1	15.0	1394	1	1	1	1
37175	4.8	9430	1746	11	25	.1	1	11670	36.2	192	1355	376270	1490	2	6930	688	1	10	1	430	8	1	2	1	1	35.6	94	1	1	1	1
37176	2.1	12730	298	1	79	.9	2	29280	14.7	16	132	57730	3960	3	10190	1676	2	40	7	1110	41	4	9	1	1	37.0	589	2	1	3	38
37177	.3	13070	5	1	80	.7	1	38990	4.2	8	55	36090	3660	4	10280	1530	2	40	11	1190	19	1	42	1	2	42.1	134	2	1	3	51
37178	1.1	17420	20	1	77	1.2	9	57080	3.5	24	309	98020	4160	4	7750	2126	3	40	1	1150	23	2	43	1	1	38.8	67	2	1	1	17
37179	1.5	17840	24	1	86	1.1	18	54640	2.3	44	681	169070	5280	4	5650	1651	1	60	1	1160	22	1	49	1	1	37.4	47	2	2	1	1
37180	7.5	19180	132	2	47	.5	20	37680	18.0	97	660	233740	1710	5	11600	1992	7	20	1	670	262	4	21	1	1	47.3	998	2	2	1	3
37181	8.6	11850	121	5	11	.4	20	43010	3.4	114	1050	284380	600	3	8220	1405	1	10	1	510	63	1	18	1	1	39.1	187	1	2	1	1
37182	3.2	9500	20	10	32	.1	3	21410	.1	95	1762	350980	2230	1	5860	950	1	20	1	700	9	1	7	1	2	33.3	86	1	2	1	1
37183	1.7	18120	48	4	15	.3	3	47230	1.1	89	1230	290580	840	5	14080	1750	1	10	1	700	34	1	10	1	1	50.7	88	2	3	1	1
37184	1.4	22020	67	1	13	.7	14	63990	4.7	66	842	229300	600	7	14850	1963	1	10	1	720	48	5	11	1	1	51.6	82	3	3	2	1
37185	1.1	32240	47	1	50	1.6	11	83460	5.5	24	272	114680	2880	14	18050	2912	2	30	1	1030	40	5	18	1	1	54.6	91	4	1	4	18
37186	.7	34290	22	1	115	1.7	8	92890	4.0	17	138	86840	6560	10	11120	1965	2	60	2	1340	22	1	46	1	1	53.2	72	3	1	2	13

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0094-RJ1+2
DATE: JUL-31-89
* TYPE ROCK GEOCHEM • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37140	.6	10150	39	1	70	.9	5	78220	4.1	14	63	40550	2610	5	11710	2044	3	90	9	1190	44	1	176	2	1	49.6	50	2	1	1	66
37141	1.1	24890	31	1	93	1.5	6	31960	5.6	25	134	64080	3330	15	18320	1505	4	50	8	1540	46	1	54	2	1	112.4	104	2	1	1	38
37142	.3	16470	13	1	124	1.2	6	32530	4.0	13	75	41200	4300	9	15110	1743	4	60	9	1280	41	1	36	1	1	73.2	111	2	1	1	34
37143	1.0	15530	14	1	136	1.2	7	35480	3.6	17	112	49190	4840	7	13540	1627	4	60	5	1380	50	1	39	1	1	82.7	119	2	1	1	40
37144	3.4	11860	11	1	125	1.2	6	44780	8.8	10	66	40190	4430	4	14460	1972	5	50	9	1520	160	1	44	1	1	55.0	763	2	1	1	34
37145	6.8	11290	14	1	123	1.3	10	37360	8.4	18	125	50500	4500	4	12620	1597	10	50	7	1850	157	2	38	1	1	58.8	705	2	1	1	28
37146	.7	14960	3	1	110	1.2	4	41060	3.9	13	64	48690	4630	6	16480	1883	5	60	6	1480	54	1	39	2	1	63.4	131	2	1	1	27
37147	.8	11920	19	1	93	1.4	4	40670	3.5	17	88	54370	4650	4	14880	1703	4	80	5	1280	46	1	39	1	1	45.6	64	2	1	1	21
37148	5.7	9080	293	1	100	1.4	7	52780	13.4	25	246	58470	4910	1	14740	2246	5	80	8	1370	135	7	44	3	1	44.1	388	2	1	1	27
37149	2.2	11560	246	1	109	1.4	4	35770	11.7	23	138	57740	4830	3	11710	1873	3	80	7	1530	92	4	36	1	1	43.0	503	2	1	1	27
37150	1.5	12680	73	1	106	1.6	4	39480	10.3	29	111	63850	4560	4	9980	1850	3	60	9	1480	62	8	31	1	1	54.0	748	1	1	1	32
37151	.7	9630	20	1	95	1.2	4	53920	3.8	17	101	40760	4650	2	12510	1776	4	90	6	1320	37	1	31	1	1	37.1	28	2	1	1	45
37152	1.1	14590	9	1	94	1.5	4	52010	5.3	21	162	51570	4160	6	15130	1784	3	90	1	1570	54	1	25	1	1	79.2	180	2	1	1	11
37153	1.2	17600	13	1	77	1.2	4	39290	5.2	21	105	52960	3490	10	17480	1511	5	80	4	1450	54	3	25	2	1	102.6	214	2	1	1	9
37154	1.1	17880	17	1	64	1.3	5	44340	4.3	23	120	53580	3590	10	16780	1468	4	90	5	1530	59	3	51	2	1	97.8	154	2	1	1	12
37155	1.3	18470	26	1	69	1.3	5	40400	4.7	21	107	56920	3730	10	15170	1337	4	110	5	1560	48	3	44	2	1	95.3	122	2	1	1	11
37156	2.9	14610	17	1	59	1.3	5	40490	5.4	18	115	48700	3640	6	16400	1481	13	120	6	1450	51	3	25	1	1	75.1	190	2	1	1	24
37157	.8	13250	16	1	57	1.2	4	38580	3.9	16	102	44440	3630	6	15180	1328	5	140	5	1450	44	1	29	1	1	64.1	122	2	1	1	11
37158	.5	7740	5	1	65	1.2	4	40760	3.5	15	88	43500	3870	1	15010	1292	5	190	4	1320	41	2	29	1	1	36.8	107	2	1	1	14
37159	1.1	7520	9	1	66	1.1	4	42590	3.2	19	104	48080	3860	1	13470	1187	4	180	4	1510	51	5	32	1	2	36.3	71	2	1	1	18
37160	1.2	9050	29	1	64	1.3	4	37190	4.1	25	135	56090	4100	2	17680	1237	4	180	3	1760	51	5	32	2	1	44.4	73	2	1	1	8
37161	107.5	12060	24	1	57	1.3	4	42340	20.5	23	323	48970	3660	5	15290	1223	3	140	4	1700	84	90	29	1	1	57.1	1356	2	1	1	5
37162	2.1	16480	26	1	48	1.4	5	41280	5.4	25	150	54550	3350	8	19440	1289	4	160	3	1740	47	3	21	1	1	88.0	99	2	1	1	3
37163	.8	15820	13	1	47	1.2	4	41990	3.4	22	128	51290	3220	8	17290	1208	3	150	4	1620	42	2	20	1	1	91.9	119	2	1	1	4
8069	59.5	11940	3542	8	30	2.2	13	1160	168.6	32	362	246310	1340	5	3820	419	1	20	1	500	14947	77	3	1	1	31.5	13403	1	2	1	32
8070	5.3	14910	4615	1	85	1.6	5	9680	103.8	19	187	92430	3790	6	5720	952	1	50	1	1040	714	18	9	1	1	43.9	676	1	1	1	60
8071	36.9	14750	24044	9	28	2.0	16	1240	649.5	65	910	298060	1430	4	4310	646	1	10	1	440	6070	124	4	1	1	37.7	16839	1	2	1	1
8072	11.7	18180	13781	1	55	2.1	6	1620	301.0	31	299	151160	2700	6	5950	332	1	40	1	820	2949	70	2	1	1	39.3	1019	1	1	1	43
8073	8.8	17270	25879	1	32	2.3	6	1330	570.8	44	316	198940	1310	7	8050	735	1	10	1	680	1624	93	2	1	1	41.8	885	1	1	1	1
8074	8.0	17750	6948	1	30	2.3	5	11950	162.3	21	114	133560	1510	8	11960	1554	2	10	1	1110	2311	29	7	1	1	60.2	2041	2	2	1	7
8075	29.7	7010	2060	2	41	1.9	12	53820	62.8	27	156	95700	2320	2	15440	3869	4	40	3	1100	8714	42	15	2	1	22.4	2039	2	2	1	34
8076	5.0	15530	3492	1	41	1.7	4	9530	85.8	23	187	106840	2170	7	9280	1111	3	20	1	1400	1377	17	8	1	1	61.5	1061	2	1	1	14
8077	8.5	10200	944	2	76	1.8	7	25610	49.6	24	208	88980	4110	2	8130	2119	3	50	7	1460	2067	18	16	1	1	38.6	3765	1	2	1	35
8078	11.1	16370	4474	2	89	2.2	5	10650	116.2	36	280	144160	3230	7	7000	1265	1	30	1	1070	1297	52	13	1	1	47.6	2575	1	1	1	39
8079	2.1	6500	1621	2	97	1.5	3	22420	36.9	123	635	66990	3510	1	7090	1167	6	80	19	1070	81	38	11	1	1	23.3	71	1	1	1	42
8080	13.4	3360	1134	8	33	2.3	7	38840	135.6	202	408	196260	1900	1	10400	3122	6	40	1	470	309	17	24	1	1	16.5	14472	1	2	1	8
8081	6.6	4570	45300	6	43	2.4	13	1660	1052.2	93	254	190010	2610	1	450	12	1	30	1	700	269	360	7	1	1	25.4	122	1	1	1	19
8273	8.6	12910	207	5	63	1.9	16	10500	6.3	56	761	206690	3960	3	4550	1011	1	30	1	910	47	3	5	1	1	34.8	223	1	2	1	1
8274	2.2	8710	18	1	84	1.2	5	37390	5.7	12	90	54960	4310	1	10430	2006	4	50	5	1180	57	2	25	1	1	25.6	342	2	1	1	13
8275	1.6	6910	100	3	80	1.9	5	9360	3.2	14	152	116870	3530	1	3420	589	1	30	1	1080	35	3	9	1	1	27.0	185	1	1	1	1
8276	1.9	8270	33	3	86	1.6	4	8480	1.6	13	150	94570	4160	1	3290	718	1	40	1	1190	30	4	7	1	1	37.2	143	1	1	1	6
8277	16.1	6800	179	11	65	2.1	7	5600	6.7	22	370	180400	3050	1	2520	602	6	40	1	920	123	13	5	1	1	45.0	391	1	1	1	4
8278	24.8	12320	327	5	48	2.4	9	34110	13.3	62	800	216480	2030	5	7730	1954	3	20	1	720	280	24	30	1	1	36.8	672	1	2	1	1
8279	.7	14310	14	1	95	1.1	3	30230	3.8	17	81	47070	3820	6	8730	1228	2	70	1	1530	31	1	15	1	1	47.4	152	2	1	1	48
8280	2.7	19780	26	1	89	1.6	5	21860	4.6	24	168	83290	3500	9	10940	1411	4	70	1	1460	89	1	15	1	1	61.6	294	2	1	1	12
8281	1.1	18420	15	1	129	1.4	3	19050	4.4	21	127	61350	4220	8	10170	1291	3	60	3	1770	47	1	13	1	1	71.1	284	2	1	1	10
8282	.6	14260	12	1	91	1.4	3	26760	3.2	24	112	63520	4370	5	10430	1424	2	90	1	1550	41	2	15	1	1	51.3	75	1	1	1	9
8283	10.9	10500	207	4	93	2.3	5	6890	5.3	24	222	181100	3640	3	5220	361	1	70	1	1150	277	1	8	1	1	57.7	156	1	1	1	1
8284	3.5	18580	47	1	83	2.2	5	11400	5.0	25	203	119200	3700	8	10340	881	2	80	1	1390	125	1	12	1	1	107.9	304	2	1	1	1
8285	1.2	15020	12	1	71	1.6	6	30100	4.5	19	142	67090	3940	6	14170	1849	3	110	3	1270	44	3	23	1	1	51.0	129	2	1	1	1
8286	2.6	11500	36	1	77	1.8	4	9990	2.7	17	165	124990	3600	4	6340	674	1	90	1	1380	78	1	12	1	1	46.3	136	1	1	1	1
8287	1.7	13820	26	1	89	1.7	5	32570	4.2	21	128	65750	4380	5	13150	1988	3	80	4	1530	53	2	32	1	1	54.5	139	2	1	1	7
8288	.9	10190	69	1	81	1.6	4	38600	4.2	19	107	78340	4000	2	12290	1827	3	90	1	1080	36	2	36	1	1	36.4	82	2	1	1	3
8261	12.6	15980	30	8	77	2.3	15	3830	1.1	73	1368	283750	4170	5	4160	543	1	30	1	850	30	1	2	1	1	54.3	87	1	1	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0095-RJ1+2
DATE: JUL-31-89
• TYPE ROCK GEOCHEM • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37164	.7	13930	13	1	45	1.3	4	44810	4.0	19	88	48350	2750	8	18440	1318	4	150	2	1650	38	1	20	1	1	83.9	67	2	1	1	4
37165	.8	18100	33	1	66	1.3	5	48050	5.4	20	107	54140	3240	11	20530	1445	5	160	6	1920	47	2	23	1	1	105.4	93	3	1	1	2
37166	2.7	7330	157	1	64	1.3	4	80010	50.9	20	67	48520	3150	2	13610	2334	4	70	6	1280	53	9	30	1	1	36.3	3379	2	1	1	7
37167	2.3	15930	17	1	48	1.5	5	47440	5.3	24	109	55050	3710	7	16250	1833	4	80	4	1670	41	3	22	1	1	82.8	274	2	1	1	1
37168	1.0	17440	11	1	54	1.5	5	55500	4.7	19	95	53120	3860	8	18070	1828	3	100	2	1780	39	1	26	1	1	100.0	88	2	1	1	1
37169	1.3	19340	12	1	50	1.5	5	52730	7.7	22	103	53290	3440	9	18500	1817	4	110	3	1780	57	3	29	1	1	103.0	496	2	1	1	1
37170	1.1	21410	13	1	50	1.2	4	48820	6.5	27	149	52980	3070	11	18870	1634	4	140	2	1780	46	1	31	1	1	120.0	88	2	1	1	1
37171	1.1	15490	22	1	56	1.1	5	51290	4.8	28	115	45230	3240	8	15740	1547	3	110	4	1640	56	1	59	1	2	79.8	148	2	1	1	12
37172	1.5	22680	25	1	52	1.5	5	49950	4.7	21	52	52870	3050	11	17730	1688	5	140	3	1810	48	1	28	1	1	122.2	108	3	1	1	2
37173	.6	23410	11	1	46	1.3	5	53840	4.3	17	59	51520	2800	12	17370	1550	5	130	4	1830	34	1	35	1	1	132.3	72	3	1	1	1
37187	.4	16610	15	1	63	1.2	4	43250	3.2	13	25	42120	2800	12	12130	1209	3	90	3	1240	26	1	46	1	1	61.2	54	2	1	1	26
37188	1.9	8010	41	1	52	1.3	4	85030	4.3	25	229	56380	2940	2	10980	1702	3	100	4	1270	46	9	98	1	1	36.7	62	2	1	1	8
37189	4.4	8810	41	1	62	1.3	4	57360	4.7	24	1499	41570	3260	3	14110	1951	4	130	7	1310	42	5	45	1	1	41.2	47	2	1	1	8
37190	1.6	11050	25	1	66	.9	4	65700	8.0	14	125	34460	3560	4	7590	1912	3	50	9	1290	40	1	69	1	1	26.4	460	2	1	1	14
37191	64.5	10880	186	1	29	1.6	20	95670	20.5	34	342	94100	1670	7	9920	3131	2	60	5	960	521	13	82	1	1	33.9	1054	3	2	1	25
37192	17.4	19340	95	1	30	1.7	11	94690	28.1	19	169	85650	2210	11	16410	3824	4	50	5	950	371	7	31	1	1	48.6	1682	3	1	1	23
37193	2.2	7930	52	1	48	1.2	5	103630	3.8	12	79	44610	3580	2	7880	2094	3	80	5	1000	62	3	28	1	1	28.5	110	2	1	1	12
37194	.7	10370	23	1	56	1.4	4	56150	4.1	13	108	46840	3670	4	15340	1487	5	110	9	1160	40	3	26	1	1	51.1	36	2	1	1	8
37195	1.1	20050	20	1	90	1.6	7	90410	3.5	10	34	60500	4460	8	12770	2894	22	70	7	1210	47	2	52	1	1	38.3	38	3	1	1	7
37196	1.9	22330	34	1	60	1.9	6	44290	5.3	28	195	91940	3200	12	18370	2036	3	50	1	1250	143	5	23	1	1	125.1	125	2	2	1	1
37197	.6	18910	20	1	73	1.6	4	47860	4.0	27	130	64590	4040	10	14590	1383	3	80	6	1560	47	2	44	1	1	106.4	55	2	1	1	4
37198	.6	12710	15	1	125	1.3	4	53090	3.6	14	58	43900	4010	5	14090	1558	4	90	7	1430	35	1	33	1	1	59.1	58	2	1	1	8
37199	2.1	6250	481	2	160	1.4	4	57610	13.2	27	335	64970	3980	1	11770	1986	3	80	7	1040	137	5	30	1	1	29.5	125	2	1	1	1
37200	1.4	14930	32	1	81	1.4	4	41900	5.6	25	117	62620	4910	6	14830	1738	3	100	10	1330	46	1	26	1	1	71.6	221	2	1	1	2
37201	.9	16980	31	1	71	1.6	4	40860	4.2	26	107	66730	4160	8	15290	1474	4	110	5	1380	50	2	29	1	1	94.7	62	2	1	1	4
37202	.8	13470	17	1	75	1.5	4	39300	3.7	23	123	62540	4010	6	14080	1553	3	140	6	1410	42	1	24	1	1	74.9	72	2	1	1	1
37203	.7	10610	24	1	421	1.2	4	46930	4.0	15	72	49010	3650	4	14680	1835	4	110	9	1310	48	1	36	1	1	53.7	103	2	1	1	5
37204	1.4	9560	53	1	94	1.2	3	45100	4.1	19	96	45480	3960	3	11970	1671	3	100	4	1540	44	1	37	1	1	33.9	68	2	1	1	2
37205	.8	15830	10	1	74	1.3	4	40650	5.8	18	74	47850	3650	8	13770	1389	3	90	4	1570	35	1	38	1	1	71.4	284	2	1	1	1
37206	.5	14890	16	1	59	1.4	4	42050	4.4	19	45	49060	3500	7	15560	1556	4	70	5	1450	44	1	31	1	1	70.6	168	2	1	1	1
37207	.6	20000	15	1	52	1.2	4	37830	4.6	19	42	50760	2950	11	16100	1269	3	90	5	1520	47	1	26	1	1	104.6	95	2	1	1	33
37208	.9	20420	9	1	50	1.3	4	35880	4.4	20	53	53000	3190	11	17160	1468	4	90	2	1620	43	2	22	1	1	105.5	127	2	1	1	1
37209	.5	26290	13	1	52	1.6	4	21760	6.8	22	64	66750	3860	15	17930	1207	3	90	3	1730	37	2	15	1	1	122.5	302	2	1	1	1
37210	.8	13830	16	1	72	1.4	4	50720	3.1	11	82	51410	2530	8	11670	1309	3	60	4	1160	38	1	31	1	1	55.6	62	2	1	1	5
37211	1.0	15730	20	1	57	1.3	3	64610	5.5	11	139	51810	2620	9	12430	1871	3	50	5	1150	33	3	27	1	1	55.6	53	2	1	1	10
37212	1.6	14990	21	1	50	1.1	4	71790	2.7	14	219	54850	2660	7	9450	1641	2	50	5	1080	36	1	28	1	1	45.8	57	2	1	1	9
37213	1.1	15600	2	1	42	1.1	3	67240	2.7	13	143	44080	2210	8	10150	1445	2	70	5	950	28	1	27	1	1	43.9	40	2	1	1	14
37214	1.0	20360	18	1	43	1.6	3	51340	3.8	17	135	62590	2420	12	11590	1195	7	80	3	1160	39	1	25	1	1	67.0	74	2	1	1	17
37215	1.7	20780	9	1	44	1.4	4	58110	13.5	19	168	62960	2020	13	12610	1256	20	60	3	1280	55	2	24	1	1	65.4	942	2	1	1	12

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0098-RJ1
DATE: JUL-31-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37242	1.3	29280	42	1	46	2.0	17	86340	4.5	30	297	102820	2800	13	17430	2684	15	50	3	1130	58	4	40	1	1	58.1	75	3	2	1	9
37243	9.2	30370	41	1	37	2.1	27	74470	5.3	40	271	123730	2160	14	19610	2649	5	20	2	920	61	3	20	1	1	60.1	82	3	2	1	7
37244	34.8	15040	91	2	13	2.6	17	68570	3.5	80	765	203850	590	6	13380	4611	1	10	1	520	143	3	4	1	1	42.4	72	2	2	1	1
37245	93.2	14580	69	4	9	2.0	35	43460	3.8	85	1345	237440	340	5	12420	4123	1	10	1	670	199	1	4	1	1	40.6	95	2	2	1	1
37246	45.8	6140	106	9	5	1.8	30	37290	2.4	104	1236	273360	170	2	6640	3340	1	10	1	280	48	1	3	1	1	21.5	76	1	1	1	1
37247	126.4	8110	148	7	8	2.4	38	34460	5.6	87	767	260390	380	2	8320	3140	1	10	1	350	440	1	1	1	1	25.5	237	1	1	1	1
37248	10.6	12040	96	4	32	2.4	8	92660	10.7	35	321	168620	1410	4	10500	5198	1	50	1	590	153	9	13	1	1	36.7	1112	2	2	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0099-R
DATE: JUL-31-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37216	.9	20770	9	1	50	1.5	4	48260	10.7	17	158	70000	2010	13	13720	1153	9	50	4	1200	79	1	22	1	1	72.0	663	2	1	1	39
37217	.9	14180	39	1	53	1.3	4	56670	15.0	17	152	65130	2360	8	11500	1277	4	40	3	990	111	1	27	1	1	58.4	1073	2	1	1	39
37218	1.2	11060	30	1	44	1.4	4	65390	10.8	17	146	64950	2060	6	10460	1395	3	50	3	1090	45	1	28	1	1	52.1	662	2	1	1	32
37219	.6	10070	14	1	35	1.5	3	66330	3.6	15	77	58180	1740	6	10170	1321	7	40	6	1140	31	1	30	1	1	45.3	61	2	1	1	17
37220	1.2	15580	34	1	44	1.6	4	61040	3.7	19	92	70580	2200	9	13850	1294	6	40	1	1170	39	1	28	1	1	66.4	48	2	1	1	22
37221	1.1	6900	31	1	52	1.5	5	94320	4.2	14	24	48870	2690	2	13780	2014	7	90	4	890	36	1	30	1	1	29.0	18	2	1	1	32
37222	1.1	6330	10	1	48	1.0	3	54430	1.6	12	83	32720	2890	1	8750	1498	7	70	5	1250	31	1	20	1	1	26.0	19	2	1	1	28
37223	.9	17030	44	1	67	1.7	4	44410	4.9	21	103	69080	3070	10	11990	1317	3	60	4	1390	32	2	23	1	1	70.1	41	2	1	1	29
37224	1.2	15260	19	1	63	1.2	4	53450	2.5	18	78	41620	2760	9	11470	1489	4	60	8	1280	37	1	27	1	1	63.3	40	2	1	1	27
37225	1.8	14780	13	1	54	1.3	4	56800	11.4	16	102	42580	2410	9	13510	1606	5	70	10	1330	168	3	22	1	1	63.3	550	2	1	1	24
37226	1.1	6810	43	1	70	1.1	3	49680	5.1	19	135	32370	3530	1	7700	1427	3	80	7	1810	41	1	15	1	1	23.4	231	1	1	1	18
37249	.5	12440	28	1	63	1.6	5	54970	4.5	23	99	63720	3340	5	16060	2133	4	90	4	1290	48	3	26	1	1	63.4	40	2	1	1	12

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0100-RJ1+2
DATE: AUG-04-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37227	.1	3590	1	1	47	.5	1	50570	10.2	12	83	22750	2280	1	7860	1553	3	70	7	1680	58	1	17	1	1	12.3	862	1	1	1	14
37228	.1	2750	222	1	36	.4	1	85870	9.3	37	105	14350	1890	1	5780	1788	3	60	18	1200	26	1	26	1	1	7.8	267	1	1	1	17
37229	.2	3150	1	1	38	.5	1	57490	14.2	16	98	19290	1970	1	5720	1513	1	50	8	1440	89	1	26	1	1	9.3	1235	1	1	1	7
37230	.1	3830	1	1	43	.5	1	54280	6.2	8	44	17260	2480	1	7610	1748	3	50	8	1260	39	1	26	1	1	12.0	543	1	1	1	9
37231	.1	9530	1	1	59	.8	2	51730	3.7	12	55	42070	3890	2	14380	1578	4	130	9	1170	43	1	28	1	1	49.2	71	1	1	1	13
37232	.1	6340	1	3	64	.7	2	61010	7.8	12	45	50280	3840	1	15390	2042	5	110	10	1210	61	1	25	1	1	27.4	510	1	1	1	17
37233	.1	12820	1	1	49	.8	2	48650	4.3	15	71	49890	3350	5	15880	1512	4	100	8	1320	39	1	24	1	1	67.8	86	1	1	1	20
37234	.1	14070	1	1	46	.8	2	51540	3.7	23	111	65600	3030	6	17490	1701	4	90	7	1330	50	1	32	1	1	79.5	94	1	1	1	19
37235	.1	18750	1	1	96	.4	2	45450	4.8	20	89	60130	3190	10	16170	1331	3	90	8	1480	37	1	36	1	1	105.8	72	1	1	1	25
37236	.1	16610	1	1	41	.6	3	50330	4.0	22	87	54660	2440	10	15740	1506	5	80	9	1370	34	1	44	1	1	90.2	58	1	1	1	18
37237	.1	16880	1	1	51	.7	3	45770	4.4	20	96	57870	3190	9	16660	1768	4	80	6	1230	36	1	30	1	1	82.1	88	1	1	1	20
37238	.1	14340	1	1	48	.6	3	45750	5.1	17	84	54700	2880	7	15170	2117	4	70	7	1130	45	1	26	1	1	71.7	277	1	1	1	17
37239	.4	12600	155	1	55	.8	3	53190	9.7	24	107	57130	3380	4	12540	2379	4	60	5	1190	47	1	33	1	1	64.2	457	1	1	1	19
37240	1.6	16940	1	1	42	.7	3	42890	4.6	44	289	92460	2720	8	15670	1851	3	60	1	1650	53	1	24	1	1	179.3	178	1	1	1	9
37241	.6	9750	1	2	43	.7	3	52950	8.9	28	135	69340	2450	4	12900	1838	3	80	7	1310	115	1	28	1	1	53.7	724	1	1	1	5
37250	.2	17300	1	1	47	.6	2	80080	2.5	17	131	58550	2660	9	12100	1607	10	80	5	1160	34	1	30	1	1	55.4	58	1	1	1	38
37251	.4	18100	1	1	64	.6	3	54320	8.0	15	117	60920	2400	11	12580	1341	17	60	5	1110	92	1	25	1	1	66.2	456	1	1	1	43
37252	1.3	17550	1	1	68	.6	3	59830	69.9	19	142	68700	2500	11	12210	1576	14	50	3	1100	405	1	25	1	1	69.5	5718	1	1	1	40
37253	.8	10660	1	1	61	.5	2	54930	5.5	18	59	46270	3040	5	9200	1453	5	60	8	1290	75	1	19	1	1	39.5	278	1	1	1	29
37254	.7	9650	1	1	60	.4	2	48080	4.3	15	87	39090	2830	4	10140	1495	5	60	7	1660	46	1	13	1	1	36.0	218	1	1	1	16
37255	.4	5820	43	1	71	.5	2	54300	33.2	17	141	21730	3100	1	5440	1544	4	60	7	1620	113	1	18	1	1	16.2	2578	1	1	1	16
37256	1.4	5270	1	1	51	.6	2	56660	13.6	15	148	34260	2510	1	7220	1739	4	50	12	1330	140	1	10	1	1	19.7	1193	1	1	1	7
37257	1.9	6110	17	3	52	.6	1	51710	22.0	23	222	48870	2610	1	8070	1873	6	40	21	1420	195	1	9	1	1	25.3	1937	1	1	1	8
37258	.1	11340	327	3	52	.6	3	44460	12.2	28	120	64490	2990	4	13490	1817	3	120	3	1190	43	1	28	1	1	53.8	150	1	1	1	5
37259	.1	20560	1	1	44	.5	3	28160	5.5	32	207	103090	2840	12	17200	1261	3	90	1	1600	51	1	26	1	1	156.9	87	1	1	1	8
37260	.7	18820	525	1	61	.7	4	39760	18.0	28	160	81970	3270	9	17830	1610	3	150	1	1410	54	1	31	1	1	110.3	204	1	1	1	5
37261	.1	20580	1	1	43	.5	2	26760	6.1	23	161	79910	2650	12	19120	1482	4	140	4	1340	57	1	22	1	1	127.4	204	1	1	1	5
37262	.1	16550	1	1	51	.6	3	25910	4.1	19	123	66200	2980	8	15390	1337	5	110	1	1180	47	1	20	1	1	88.9	176	1	1	1	6
37263	1.4	8210	1	4	56	.6	3	47980	8.6	23	159	68710	2820	2	13930	1903	4	90	4	1280	220	1	28	1	1	43.0	932	1	1	1	4
37264	.2	4200	1	3	52	.7	3	46840	4.6	19	107	51970	2360	1	14080	1687	4	80	6	1280	50	1	43	1	1	20.1	76	1	1	1	7
37265	5.7	5870	40	4	46	.7	4	59250	23.5	19	208	57440	2260	2	10940	2582	6	80	10	1360	180	10	16	1	1	24.9	1831	1	1	1	9
37266	.8	10650	1	1	40	.4	3	41730	5.7	11	72	44930	2490	4	11990	2499	4	50	14	1390	44	5	18	1	1	39.0	264	1	1	1	14
37267	28.6	18220	70	3	39	.6	18	63420	17.5	25	246	111300	3720	6	13330	4796	7	60	4	1480	626	5	16	1	1	57.3	1396	2	2	1	1
37268	135.5	26140	971	4	14	.1	43	16310	35.7	50	578	224290	860	9	18290	2772	1	20	1	850	2094	10	8	1	1	80.1	1315	2	2	1	1
37269	3.9	15960	40	4	60	.9	6	42080	5.5	35	236	101660	3130	5	15050	2051	4	50	5	1430	85	4	24	1	1	57.0	119	2	1	1	1
37270	2.4	18770	27	1	56	.4	5	48520	5.1	18	96	66900	2830	9	13210	1814	5	40	3	1300	56	1	65	1	1	62.8	74	2	1	1	20
37271	3.1	15450	23	4	64	.7	5	53150	11.2	19	167	80890	3510	5	14110	2210	3	60	5	1340	93	2	37	1	1	53.7	626	2	1	1	15
37272	1.5	14840	44	3	73	.6	4	42590	16.3	14	123	65360	4140	5	14160	2112	3	50	6	1530	66	1	20	1	1	60.9	1045	1	1	1	9
37273	2.6	11840	50	4	65	.7	4	52640	11.5	16	177	58930	3550	3	12010	2129	6	50	9	1220	81	4	29	1	1	32.8	566	1	1	1	19
37274	27.8	8760	502	8	45	.5	16	56200	18.3	71	726	160570	2420	1	6260	2277	1	50	1	900	203	28	35	1	1	26.1	589	1	1	1	1
37275	3.1	11150	23	5	69	.3	5	50290	4.6	22	213	82100	3820	2	10590	2594	4	50	3	1510	60	1	24	1	1	37.6	100	1	1	1	9
37276	.4	19460	15	1	75	.4	3	40490	5.4	10	92	52620	3590	9	13670	1593	3	40	9	1350	37	1	33	1	1	73.8	80	2	1	1	13
37277	1.2	16820	11	2	83	.8	4	59650	4.1	20	171	75550	3690	6	11700	2098	3	50	7	1310	47	2	34	1	1	40.1	51	2	1	1	11
37278	10.3	17660	147	2	76	.6	13	84360	11.6	19	248	74580	4620	4	7450	2202	4	70	1	1540	74	1	64	1	1	37.5	567	2	1	1	5
37279	1.0	7670	13	4	68	.7	4	78370	3.6	17	155	40910	3800	1	10840	2136	3	100	12	1360	51	2	30	1	1	33.2	54	1	1	1	9
37280	5.7	15780	952	4	60	.8	7	26970	37.2	29	213	86780	3540	4	12350	1777	2	60	1	1500	830	6	21	1	1	72.2	2078	2	1	1	1
37281	3.0	16660	32	4	94	.8	4	34760	9.5	24	156	73410	4810	5	14020	1747	3	70	7	1700	449	3	27	1	1	94.6	751	1	1	1	5
37351	3.7	9150	176	4	61	1.1	6	31450	14.4	15	29	49210	3620	2	8190	9621	4	90	16	1390	76	8	11	1	1	21.5	1120	1	1	1	25
37352	5.0	7760	170	4	83	1.0	4	30000	11.6	14	29	43210	3660	1	6790	7242	3	90	11	1370	62	7	12	1	1	18.1	980	1	1	1	20
37353	12.7	8090	278	5	72	.7	4	22870	12.7	19	58	63480	3010	3	5510	5528	2	80	6	1300	64	19	15	1	1	15.6	770	1	1	1	31
37354	6.1	8140	513	6	109	.7	4	24750	18.5	22	57	77270	3430	2	5960	4873	2	90	1	1300	79	13	10	1	1	16.2	571	1	1	1	17
37355	215.3	6770	286	6	72	1.0	4	24450	38.3	17	285	50910	3210	1	6450	5976	4	90	10	1290	1241	224	11	1	1	15.6	4837	1	1	1	48
37356	62.1	8330	182	5	68	1.2	5	39140	20.3	16	111	47480	2900	3	9300	7863	4	90	9	1400	276	71	14	1	1	19.6	1875	1	1	1	24
37357	492.6	5370	432	10	48	.8	5	20300	219.4	17	972	68130	1970	1	5780	4580	10	50	4	1130	6312	868	15	1	1	12.2	38844	1	2	1	28
37358	28.3	5620	344	6	43	.7	4	23790	27.8	17	73	67070	2270	1	7600	5381	3	70	3	1350	131	38	9	1	1	13.4	2787	1	1	1	36
37359	447.8	3000	741	8	22	.7	3	14990	55.5	20	399	108830	1220	1	4900	3058	1	30	1	950	902	333	7	1	1	8.4	5724	1	1	1	13
37360	134.8	4410	628	8	29	.6	3	14430	30.8	21	151	113690	1570	1	5000	3108	1	40	1	850	253	125	6	1	1	10.2	1991	1	1	1	34
37361	283.8	4980	288	5	43	.6	4	19090	27.4	15	187	57050	2210	1	5570	4814	2	60	4	1200	1035	165	7	1	1	11.3	3085	1	1	1	42
37362	10.2	6340	361	6	37	.8	3	15010	19.3	19	28	82560	2070	3	5180	3610	1	60	1	1220	89	12	7	1	1	12.5	1245	1	1	1	41
37363	5.2	11020	179	3	39	.8	5	28850	16.6	15	21	55140	2010	9	10610	10762	6	60	17	1320	99	8	13	1	1	22.0	1642	1	1	1	27

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0100-RJ3
DATE: AUG-04-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37364	27.6	8170	512	7	29	.8	5	8720	223.4	20	87	89510	1470	7	6230	4802	6	60	1	1170	793	36	10	1	1	14.4	27828	1	1	1	21
37365	721.2	11480	604	4	35	.8	4	8650	50.8	18	599	97380	1600	9	7630	3991	3	50	1	1040	210	491	9	1	1	19.7	4231	1	1	1	22
37366	18.7	16260	198	2	81	.8	5	10060	25.1	19	48	61260	2550	12	9090	8251	4	70	10	1360	86	18	14	1	1	29.6	3065	1	2	1	21
37367	62.2	11370	275	4	47	.7	5	14590	55.4	17	77	75480	2310	7	7800	5228	4	60	3	1150	192	26	10	1	1	20.2	5265	1	1	1	19
8289	2.7	14880	7	1	57	.5	4	24350	5.5	15	41	52000	2580	6	12190	1736	3	100	6	1340	45	1	25	1	1	43.4	195	1	1	1	13
8290	2.2	19010	15	1	55	.7	4	28890	5.9	21	97	65140	2680	10	14320	2007	5	100	3	1540	51	1	23	1	1	65.6	155	2	2	1	18
8291	2.4	16500	36	3	70	.7	4	36880	4.7	32	98	64800	3640	8	14520	2298	4	150	6	1600	48	1	30	2	1	62.5	114	2	1	1	33
8292	2.8	11870	22	3	62	.6	4	34970	4.1	20	114	58880	3270	5	11400	1934	4	80	5	1520	40	1	27	1	1	38.2	137	2	1	1	13
8293	3.6	6240	12	4	41	.3	4	19580	2.3	16	147	60910	2080	1	4930	1164	2	60	1	930	39	1	26	1	1	20.0	135	1	1	1	45
8294	3.6	10380	14	4	50	.6	4	23580	3.9	21	153	63600	2670	3	7470	1368	3	40	1	1410	38	1	30	1	1	39.9	248	1	1	1	16
8295	5.1	9100	21	5	49	.6	3	27440	3.1	25	155	67630	2810	2	8930	1783	2	50	4	1550	53	2	23	1	1	35.5	264	2	1	1	4
8296	7.8	11300	12	6	77	.6	4	29190	5.7	23	164	72940	3910	2	9230	2162	3	70	1	1570	40	4	12	1	1	39.7	198	2	1	1	13
8297	9.6	12630	37	6	85	.8	4	14860	3.4	22	181	70720	4090	3	6650	960	2	70	1	1860	34	3	11	1	1	47.6	213	1	1	1	15
8298	11.4	14140	135	7	67	.5	3	13720	44.3	26	207	109120	3390	5	7460	988	3	70	1	1490	53	7	12	1	1	49.5	3235	2	1	1	35
8299	3.6	24950	20	1	84	.7	5	28090	7.1	25	139	71580	3380	16	13900	1190	5	110	2	2040	47	2	54	2	1	90.1	300	2	1	1	63
8300	15.5	12140	113	8	46	.3	9	14290	6.1	22	246	172120	2140	5	8370	763	1	50	1	1530	191	1	12	1	1	53.9	170	2	1	1	1
8301	7.2	14570	43	9	207	.5	3	12440	2.9	22	200	131580	3510	5	7710	646	1	120	1	1570	55	1	12	1	1	59.9	172	2	1	1	1
8302	5.2	14050	24	5	67	.5	3	16960	4.0	16	113	93540	3420	5	9660	784	2	130	1	1400	43	1	13	1	1	67.0	90	2	1	1	12
8303	9.2	15450	51	8	92	.2	4	10680	3.3	21	173	127660	3520	5	8540	740	1	120	1	1840	65	1	10	1	1	79.6	129	2	1	1	1
8304	4.2	11090	30	7	68	.8	4	41930	4.2	42	315	69510	4260	2	12730	1677	3	120	2	1860	61	6	20	2	1	40.9	112	2	1	1	17
8305	7.7	10870	77	8	55	.6	4	24400	4.7	80	395	114990	3240	3	7500	1100	1	90	1	1520	80	13	20	1	1	34.4	211	2	2	1	69
8306	3.6	8820	33	6	49	.4	3	12280	1.5	21	105	67900	2570	3	4170	805	2	120	1	1050	36	1	19	1	1	29.5	163	1	1	2	182
8307	6.7	12380	35	8	111	.5	3	8670	3.5	28	161	98160	4670	3	4030	776	1	100	1	1990	37	1	10	1	1	40.9	189	1	1	1	31
8308	3.1	11480	31	4	40	.5	2	1750	1.5	13	91	60090	1800	6	4600	174	2	150	1	950	34	1	7	1	1	40.3	115	2	1	2	216
8309	4.0	9960	26	5	56	.5	3	10920	2.5	19	165	70790	2690	3	5100	726	1	110	1	1170	34	1	14	1	1	30.6	149	1	1	1	138
8310	3.7	10910	38	7	87	.6	2	14910	5.2	29	213	43630	4700	1	4150	1193	1	80	4	2180	77	1	11	1	1	36.2	254	1	1	1	32
8311	2.8	8010	38	5	76	.5	3	21730	3.4	19	170	48510	3660	1	4490	1423	2	70	2	1830	46	1	16	1	1	27.6	225	1	1	1	18

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0102-RJ1+2
DATE: AUG-04-89
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37282	2.2	12190	22	2	48	.6	5	37370	7.5	26	163	72240	2300	7	14940	1713	4	90	4	1460	64	5	40	1	1	73.9	371	2	1	1	20
37283	2.5	10640	26	2	43	.7	5	72310	6.5	20	142	56320	2730	5	12840	1936	5	60	5	1210	66	4	28	2	1	65.6	336	2	1	1	22
37284	2.2	13040	26	2	38	.8	6	37840	4.3	24	175	69670	2710	6	16780	1562	5	110	1	1370	55	3	22	1	1	65.7	110	2	1	1	18
37285	17.1	6800	187	5	72	.8	13	57870	7.3	26	162	43790	3670	1	11500	1690	8	80	7	1820	62	5	42	1	1	28.7	100	2	1	1	32
37286	1.0	18860	17	1	48	.7	5	39810	5.2	21	83	54180	3070	9	16100	1280	4	90	3	1700	44	1	29	1	1	99.1	92	2	1	1	15
37287	1.4	23050	19	1	51	.8	6	40600	5.7	28	124	63140	2950	13	17680	1111	4	110	3	1810	46	1	30	1	1	126.0	89	2	1	1	21
37288	2.5	26120	27	1	55	.8	5	38680	6.1	30	149	65930	3080	16	17500	1134	5	110	6	1760	61	1	29	1	1	137.4	197	2	1	1	15
37289	1.9	26400	15	1	65	.8	6	51140	5.7	21	75	58250	3610	17	16720	1406	4	110	5	1890	88	1	34	1	1	128.4	157	3	1	1	17
37290	.9	25680	5	1	53	.7	5	42260	5.5	24	81	62560	2910	17	18800	1087	4	140	3	1870	45	1	33	1	1	139.1	80	2	1	1	16
37291	1.0	22040	10	1	52	.8	5	47810	5.3	24	89	61850	2890	13	19550	1295	5	120	4	1760	55	1	31	1	1	118.9	103	2	1	1	15
37292	15.4	18650	15	1	64	.6	9	49510	16.7	20	77	53580	3310	9	15650	1671	4	80	7	1890	92	1	27	1	1	88.8	1097	2	1	1	21
37293	2.3	19410	33	1	65	.9	5	45570	6.1	27	101	61120	3370	10	16500	1358	4	100	6	1980	48	5	26	1	1	101.0	127	2	1	1	16
37294	2.4	9150	435	2	44	.6	4	69790	14.9	21	147	33580	3030	3	10890	1606	4	100	9	1300	41	14	25	1	1	47.0	218	2	1	1	30
37295	1.8	10770	69	5	75	.6	5	58510	6.4	22	148	41730	3840	3	12860	1621	4	120	7	1800	40	3	22	1	1	51.0	161	2	1	1	28
37296	4.7	16200	91	4	57	.7	6	60140	8.8	28	131	62900	4040	5	12100	1871	3	170	4	2130	80	7	40	1	1	110.7	381	2	1	1	26
37297	3.9	24520	50	1	45	.8	6	43460	8.4	27	127	72080	2860	13	18270	1441	5	150	6	1800	77	7	31	1	1	163.1	306	2	1	1	16
37298	1.1	23160	14	1	36	.8	5	66670	5.0	13	81	56850	1950	15	14910	1333	4	110	7	1160	37	1	29	1	1	64.7	62	2	1	1	43
37299	1.3	27940	27	1	47	.9	6	77470	4.2	19	120	81790	2360	19	16940	1696	5	110	4	1400	48	1	34	2	1	80.5	80	3	1	1	35
37300	1.5	20820	36	1	54	.5	5	66020	4.8	17	107	67760	2420	13	13830	1470	11	90	5	1450	40	1	33	2	1	70.0	60	2	1	1	38
37301	2.1	12150	45	4	64	.7	6	81210	21.4	26	140	79060	3010	7	14520	1883	7	80	5	1180	99	4	35	1	1	44.6	1433	2	1	1	37
37302	1.6	14580	34	1	61	.6	5	61960	4.1	24	100	79590	2800	7	11960	1234	6	70	1	1350	38	2	28	1	1	65.8	71	2	1	1	32
37303	1.2	15850	39	3	66	.7	6	80970	5.1	23	50	88350	3100	8	15920	1792	8	80	2	1210	45	4	36	1	1	70.6	51	2	1	1	28
37304	1.0	14300	42	3	67	.6	4	66330	3.7	25	72	86670	3310	7	9380	1236	8	70	1	1260	34	1	36	1	1	58.5	45	2	1	1	46
37305	.8	16660	26	1	69	.7	5	77310	4.2	14	49	50850	3430	8	14170	1830	8	100	6	1450	39	1	33	1	1	70.8	52	2	1	1	37
37306	1.2	20120	62	1	66	.8	5	44010	4.7	27	172	97780	3140	13	14670	1312	5	70	1	1360	47	2	26	1	1	82.9	57	2	1	1	46
37307	2.5	15310	35	1	62	.7	5	61080	8.3	19	120	48440	3160	9	11790	1758	6	70	11	1480	74	2	27	1	1	62.9	293	2	1	1	27
37308	2.7	5890	24	2	61	.6	4	57570	76.1	17	241	26920	3050	1	10420	2066	5	70	10	1800	180	4	18	1	1	22.1	6762	2	1	1	19
37309	1.9	5170	24	3	59	.4	4	61860	17.1	14	165	27690	2970	1	11260	2150	6	70	11	1860	138	2	16	1	1	23.1	1337	2	1	1	24
37310	1.2	8820	11	2	73	.6	3	45100	3.1	19	104	43340	2940	3	11240	1496	4	70	8	1910	43	4	17	1	1	36.0	89	1	1	1	24
37325	1.4	15330	39	3	41	.8	7	55270	6.7	28	113	80790	2960	6	18540	2670	5	100	8	1790	58	4	23	1	1	100.9	150	2	1	1	18
37326	9.3	5100	3062	11	40	.7	9	46280	82.6	37	225	126100	2860	1	12140	1852	2	100	1	1300	1207	43	32	2	1	38.5	1062	2	2	1	24
37327	28.7	4170	1867	9	39	.5	21	34370	80.5	31	241	108480	2920	1	7330	1177	2	80	1	1350	5214	28	24	1	1	22.8	5281	1	1	1	30
37328	2.7	7270	104	5	60	.8	4	55580	8.8	17	129	46270	3630	1	13050	2386	5	100	5	1780	95	6	28	1	1	30.7	244	1	1	1	39
37329	4.1	6970	26	4	65	.5	4	74520	6.1	14	102	38900	3580	1	9160	1636	3	100	5	1550	61	1	151	1	1	22.8	209	1	1	1	33
37330	3.8	6080	4364	7	62	.6	5	66470	109.1	36	230	98010	2760	1	13280	1728	2	80	1	1390	114	37	41	1	1	32.0	135	1	1	1	29

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0107-RJ1
DATE: AUG-06-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37311	3.2	4750	23	2	71	.8	4	52950	17.8	14	161	23340	2890	1	6060	1542	4	90	6	1730	97	5	25	1	1	12.5	1132	1	1	1	17
37312	111.3	14530	151	1	62	1.1	37	80960	17.1	31	285	68920	3600	1	8020	2376	4	90	3	1350	227	11	21	1	1	29.0	968	1	1	1	1
37313	3.8	6480	60	2	73	1.1	4	49150	3.7	24	132	47600	3520	1	9840	1574	3	80	4	1560	67	11	21	1	1	20.9	59	1	1	1	9
37314	15.7	6110	184	2	47	.9	12	141880	13.3	39	240	42490	3070	1	5830	2786	4	80	11	910	110	14	43	2	1	17.7	747	2	1	1	19
37315	4.0	9140	121	1	37	1.0	5	102730	8.7	23	116	46800	2580	1	10840	2390	4	90	6	950	76	6	23	1	1	49.9	353	2	1	1	10
37316	.7	9210	1	3	51	1.2	5	57130	5.9	24	116	58680	3550	1	15260	1859	3	120	4	1370	39	4	24	1	1	54.8	214	1	1	1	1
37317	1.0	15560	10	1	57	1.3	5	42000	5.7	23	178	57720	3520	1	16020	2072	4	100	8	1350	51	4	32	1	1	80.8	205	1	1	1	3
37318	1.0	18820	15	1	70	1.2	5	46150	5.1	23	92	65640	4170	2	15210	2048	2	120	5	1380	51	2	32	1	1	90.4	165	1	1	1	3
37319	1.1	23970	1	1	74	1.7	7	34730	6.1	38	265	111420	3630	11	20150	1902	4	100	1	1280	55	5	29	1	1	111.2	194	1	1	1	1
37320	1.2	18330	1	2	72	1.5	7	45640	6.0	36	222	94350	3740	6	18920	2017	4	140	1	1360	56	4	36	1	1	98.9	247	1	2	1	1
37321	1.9	15790	4	2	63	1.2	7	42400	6.7	30	242	79550	3380	7	18820	1854	4	150	5	1610	68	7	32	1	1	91.8	156	1	1	1	1
37322	1.7	11950	24	2	77	1.3	4	45080	4.6	23	128	52180	3710	1	13180	1389	4	100	1	1600	48	5	37	1	1	54.8	80	1	1	1	1
37323	.9	18040	1	1	78	1.0	5	32080	3.3	23	121	51480	3570	1	15090	1125	4	150	1	1690	42	2	30	1	2	84.5	86	1	1	1	3
37324	.5	15710	1	1	90	1.0	3	46730	3.6	16	72	46070	3220	1	15050	1074	4	150	3	1610	32	1	61	1	1	79.8	44	1	1	1	16
37331	.4	21970	1	1	46	1.4	5	38570	3.7	22	105	60440	3410	4	17790	1089	3	200	1	1820	45	4	33	1	1	121.0	181	1	1	1	3

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0107-RJ2
DATE: AUG-06-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37332	.6	29740	1	1	59	1.4	6	40190	6.7	23	111	74700	4960	12	20880	1391	5	510	1	2010	54	1	30	1	1	153.2	283	1	1	1	1
37333	.7	25990	5	1	59	1.3	4	42390	5.9	30	147	71760	4670	7	18190	1225	5	450	1	1950	76	9	31	1	1	138.8	149	1	2	1	1
37334	.2	26730	1	1	77	1.4	5	45330	6.2	30	103	66480	4730	7	18750	1133	5	390	3	1740	41	2	37	1	1	138.7	72	1	1	1	1
37335	.5	20770	40	1	85	1.5	6	50270	5.2	34	100	74910	5090	2	17090	1073	5	490	1	1740	47	6	43	1	1	101.7	54	2	1	1	1
37336	1.2	17410	57	5	100	1.6	6	45870	5.4	31	138	76400	6880	1	14600	1300	9	310	1	1580	56	5	33	1	1	68.6	179	1	1	1	1
37337	1.5	13780	449	5	73	1.0	5	73910	19.1	34	182	48260	6330	1	13650	2471	5	260	14	1560	72	14	30	1	1	49.0	531	1	1	1	10
37338	1.9	18520	33	5	83	1.3	4	56040	27.5	20	104	53190	6980	1	11910	1857	6	300	5	1840	216	2	27	1	1	67.6	2627	1	1	1	7
37339	1.0	26800	6	1	71	1.4	5	44410	6.4	24	95	69970	4790	5	18780	1410	6	640	5	1740	51	2	59	1	1	143.6	136	2	1	1	16
37340	1.8	26430	10	1	85	1.5	5	56180	5.9	28	95	73780	5700	5	17940	1356	4	480	6	1810	57	2	114	1	1	125.4	109	2	1	1	16
37341	1.6	19480	12	1	64	1.3	4	36200	9.0	19	74	55520	4930	1	16500	1450	5	560	5	1630	42	1	27	1	2	94.3	608	2	1	1	17
37368	1.7	21710	36	3	162	1.4	6	46270	7.7	15	63	41390	8850	1	12140	9879	6	250	16	1480	59	7	12	1	1	42.7	104	1	2	1	48
37369	.5	21690	47	1	149	1.3	7	34610	6.9	15	15	41910	7480	2	10200	9510	4	200	16	1490	62	2	19	1	1	41.3	57	1	2	1	42
37370	3.5	19900	90	2	132	1.4	6	33030	7.9	18	55	46030	6790	2	9940	11133	6	180	17	1440	70	8	15	1	1	38.0	75	1	2	1	45
37371	6.0	17580	77	2	135	1.5	7	47420	8.6	15	43	42830	6870	1	9690	12424	6	180	20	1370	79	10	22	1	1	33.6	108	1	2	1	21
37372	.4	16990	1	1	145	1.0	4	43250	3.5	15	32	40630	5460	1	9080	2677	3	260	3	1400	30	1	25	1	1	33.4	59	1	1	1	20
37373	6.0	16500	103	3	105	1.2	6	25850	8.3	17	48	51190	5620	1	8350	9837	4	140	15	1440	58	12	13	1	1	33.0	312	1	2	1	11
37374	2.8	16040	328	2	115	1.3	5	48050	34.3	20	147	70720	4060	5	8770	6492	5	110	6	1320	67	12	18	1	1	33.0	3405	1	1	1	1
37375	14.8	15270	29	1	194	1.2	7	39880	6.0	15	32	36320	6440	1	8640	13967	6	180	23	1260	78	18	20	1	1	31.8	111	1	2	1	68
37376	19.3	14930	168	2	170	1.2	5	27210	11.4	15	36	44670	6180	1	7210	8587	4	180	11	1280	88	18	14	1	1	31.8	662	1	2	1	46
37377	43.5	13400	400	8	113	1.6	5	29230	98.5	20	164	77610	5430	1	6470	7463	5	170	6	1280	308	52	17	1	1	27.5	12347	1	1	1	23
37378	11.6	13970	105	5	134	1.5	6	38310	8.9	16	31	44470	5800	1	8480	10442	5	180	17	1460	95	15	17	1	1	28.9	249	1	2	1	37
37379	14.8	18880	57	2	177	1.5	7	47660	7.7	15	36	42570	6810	1	9910	11891	6	200	22	1470	87	15	24	1	1	36.5	158	1	2	1	28
37380	19.0	23590	344	3	162	1.7	5	20390	26.5	20	54	75110	7580	1	8420	5267	5	210	3	1430	153	16	13	1	1	42.4	2033	1	1	1	28
37381	87.5	17540	187	4	284	1.8	5	50680	10.7	20	94	65880	6550	1	9280	8934	5	180	10	1300	98	61	27	1	1	34.1	224	1	2	1	39
37382	4.0	19060	66	1	215	1.4	6	48890	6.5	17	34	47150	6550	1	11050	6032	4	190	8	1470	48	3	27	1	1	37.6	60	1	1	1	45
37383	1.7	15810	1	2	476	1.1	4	54780	4.5	14	44	33020	6880	1	9980	4371	5	310	9	1480	43	1	28	1	1	32.0	82	1	1	1	47
37927	.4	14840	9	5	171	1.8	5	27540	5.5	40	31	74150	8610	1	19380	1235	5	330	3	2040	42	1	36	1	1	99.2	81	1	1	1	1
37928	.9	2690	44	1	30	.4	1	33890	2.6	7	7	22360	1190	1	2860	929	3	240	10	430	52	1	12	1	1	11.0	254	1	1	2	194
37929	3.9	2640	1600	7	41	1.4	5	102460	66.2	15	1157	77160	1280	1	24710	3274	8	110	3	580	3360	1127	173	1	1	36.7	2439	1	1	1	13

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0107-RJ3
DATE: AUG-06-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
8312	14.7	9470	1237	6	67	1.7	11	12290	28.8	31	171	109350	3740	1	3870	1470	1	130	1	1300	525	6	12	1	1	47.6	440	1	1	1	4
8313	43.5	9640	1337	5	66	1.3	25	10500	30.1	28	146	103210	3850	1	3500	1232	1	110	1	1250	459	7	10	1	1	45.1	419	1	1	1	8
8314	1092.9	22250	151	1	82	1.4	1960	60210	11.2	17	113	63390	4960	5	9540	2933	2	120	3	1610	530	40	20	1	1	81.8	566	1	1	1	10
8315	11.4	25070	55	1	69	1.2	27	68990	6.7	18	116	62940	4440	9	13240	2698	4	100	5	1120	57	1	33	1	1	94.2	240	2	1	1	7
8316	4.6	20140	20	2	79	1.5	11	59900	8.9	15	153	74540	4900	4	12540	2362	3	130	1	1420	61	1	18	1	1	71.6	465	1	1	1	11
8317	4.9	22820	256	5	82	2.0	6	33830	12.9	25	312	129490	5320	3	6990	2198	1	130	1	1330	122	9	12	1	1	70.9	570	1	1	1	1
8318	3.0	21190	121	2	73	1.4	5	46720	8.2	33	167	96130	4450	5	7960	2554	2	110	1	1260	79	1	18	1	1	71.4	602	1	1	1	5
8319	1.9	20820	60	1	83	1.6	5	54860	9.8	21	114	72570	5120	5	10410	3229	2	130	2	1220	65	1	23	1	1	80.0	888	1	2	1	5
8320	2.7	18970	75	1	68	1.3	5	19550	6.1	12	112	80810	4720	3	6990	1844	4	120	1	1240	254	1	8	1	1	74.2	530	1	1	1	2
8321	4.2	26050	270	1	75	1.5	5	18360	12.7	17	148	115680	4160	6	11160	2289	2	110	1	1550	296	1	5	1	1	98.7	561	1	1	1	1
8322	4.1	25860	78	1	76	1.6	6	19150	9.2	22	179	127650	4390	7	11580	3153	3	110	1	1380	646	2	6	1	1	104.2	623	1	2	1	1
8323	2.4	26930	48	1	77	1.6	6	20480	7.9	19	156	117690	4640	7	12090	3214	3	110	1	1400	510	1	6	1	1	107.7	576	1	2	1	1
8324	4.8	19380	75	2	61	1.7	4	2880	4.3	16	127	140490	3570	2	6240	761	1	80	1	1310	149	1	5	1	1	94.0	428	1	1	1	1
8325	12.5	16520	2828	5	77	2.0	9	7600	62.0	19	284	159350	4080	1	4530	1098	1	100	1	1650	845	10	7	1	1	70.0	871	1	1	1	1
8326	6.6	19410	8621	1	67	1.6	8	10740	178.5	16	502	94110	4480	1	6880	1502	1	110	1	1130	528	30	7	1	1	64.0	753	1	1	1	4
8327	5.4	21470	134	1	85	1.3	5	45790	21.6	14	137	73460	5450	4	9880	2942	3	150	1	1520	2305	9	11	1	1	67.8	2447	1	1	1	1
8328	2.1	21780	72	1	70	1.6	5	50290	9.3	18	150	83380	4410	5	13130	3197	4	110	2	1350	344	3	11	1	1	69.1	576	1	1	1	1
8329	3.3	28680	11	1	83	1.4	6	42510	12.4	17	146	74460	5620	9	13950	3180	4	140	2	1400	121	2	15	1	1	94.6	1213	1	1	1	2
8330	3.5	26110	62	1	83	1.3	6	50330	11.0	17	126	77670	4890	8	12770	3364	5	120	2	1500	173	3	21	1	1	100.3	662	2	1	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7N 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0110-RJ1+2
DATE: AUG-07-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
8331	4.2	33970	14	1	147	.7	6	23260	13.2	18	156	74650	7370	14	11410	2481	2	160	1	1780	379	1	13	1	1	134.9	1063	2	2	2	1
8332	5.7	21850	67	3	131	.6	6	31030	5.5	24	118	73320	7450	4	5980	1909	1	170	1	1480	222	1	20	1	1	70.0	311	1	1	1	1
8333	24.1	24490	179	2	135	.7	17	21540	10.0	14	163	88430	7140	5	6620	1484	1	150	1	1670	612	1	20	1	1	77.4	689	1	2	1	1
8334	7.8	29630	1	1	95	.7	6	26110	15.0	13	239	80480	5390	10	11960	2472	1	110	1	1630	440	1	9	1	1	126.5	1744	1	1	3	1
8335	2.5	20730	17	1	85	.7	5	38620	8.5	17	165	75750	4870	5	6580	2772	1	130	1	1170	170	1	11	1	1	63.1	686	1	1	1	1
8336	9.3	24840	394	3	55	.3	4	14000	12.5	33	345	182940	3010	9	7400	1208	1	80	1	1160	280	1	9	1	1	95.2	331	1	1	1	1
8337	6.9	30100	213	1	64	.3	6	7390	9.2	26	217	171730	3900	11	9640	848	1	90	1	1270	141	1	6	1	1	123.9	358	1	1	1	1
8338	4.7	23880	93	2	67	.4	5	17880	8.7	26	241	153180	3790	8	7910	2767	1	90	1	1670	79	1	7	1	1	93.0	559	1	2	1	1
8339	9.8	12350	1193	5	86	.5	7	17410	33.4	25	157	111320	4200	1	5180	2974	1	120	1	1280	1014	3	8	1	1	50.8	905	1	1	1	1
8340	5.0	11180	23	4	77	.5	5	24170	5.4	16	161	71200	4240	1	6290	2161	2	110	1	1430	1256	1	13	1	1	52.4	565	1	1	1	1
8341	4.5	14400	22	2	76	.6	5	41010	5.9	19	148	61210	4340	3	4720	2132	1	100	1	1340	79	1	14	1	1	51.4	474	1	1	1	1
8342	1.1	18600	137	4	116	.7	5	52700	14.0	20	201	39030	6680	3	6810	2312	3	240	8	1530	54	1	24	2	1	66.7	946	1	1	2	13
8343	1.3	19490	1	2	105	.8	5	56490	8.4	12	135	46350	5890	4	10660	2444	4	140	5	1470	49	1	20	2	1	81.8	657	1	1	3	7
8344	2.7	15390	137	5	76	1.1	5	53760	11.7	27	253	110040	4230	3	11880	2156	3	160	1	1280	165	13	18	1	1	59.1	695	1	1	1	1
8345	3.0	27890	13	1	54	.5	5	38340	4.5	41	409	160070	2710	14	12910	1537	1	70	1	1280	61	1	16	1	1	89.4	184	1	1	1	1
8346	4.7	19590	212	2	55	.2	6	30760	20.3	34	391	148960	2590	6	8850	1458	1	80	1	1220	91	4	9	1	1	80.4	1470	1	1	1	1
8347	2.7	28280	579	1	99	.7	6	45080	25.8	15	130	78540	4730	14	12530	1883	4	170	1	1160	457	1	22	2	1	93.1	1065	3	2	2	1
8348	6.4	26840	11	1	87	.8	6	56830	4.7	23	199	104190	3640	15	13550	2243	1	170	1	1150	122	1	21	1	1	139.2	91	2	1	3	1
8349	10.8	30980	1	1	45	.6	7	34920	3.9	35	340	152670	1900	24	15890	1978	1	100	1	1200	88	1	19	1	1	184.1	108	1	1	3	1
8350	-1.2	23300	1	1	61	.7	7	32650	3.2	26	180	120370	2620	14	11360	1412	1	300	1	830	38	1	16	1	1	94.4	68	2	1	2	1
8351	1.4	27720	1	1	37	.5	6	22250	2.4	39	346	175440	1780	17	10690	1208	1	100	1	920	34	1	12	1	1	132.6	78	1	1	1	1
8352	3.7	22670	786	1	101	.8	5	27370	24.0	21	137	90340	4410	10	8430	1693	2	200	1	1180	946	2	13	1	1	99.3	774	1	1	1	1
8353	2.7	16670	72	5	117	1.0	6	48090	10.9	13	104	72190	5980	2	11300	2723	3	300	5	1100	916	3	16	1	1	67.5	1086	1	2	2	1
8354	2.9	15870	205	6	138	.5	5	37270	11.1	14	92	64670	6940	1	5970	2139	3	360	1	1100	449	3	13	1	1	50.2	929	1	2	1	6
8355	2.3	12900	48	4	114	.8	4	34230	6.6	18	101	62790	5660	1	6140	2061	9	300	1	910	97	1	14	1	1	44.1	642	1	1	1	7
8356	1.4	15270	5	7	156	.9	6	70410	4.8	14	25	56250	6230	1	13380	2527	7	520	5	1480	76	21	48	3	1	56.2	124	2	2	3	13
8357	3.7	11990	6976	5	132	.8	4	22060	152.1	11	29	63000	5300	1	3910	1002	3	240	1	1040	1252	82	23	1	2	39.1	492	1	1	1	38
8358	4.5	16420	106	7	157	.9	4	36380	25.3	14	45	59510	7160	1	6890	1960	2	320	1	930	2218	60	33	1	1	51.5	2212	1	2	2	24
8359	.6	19920	18	3	145	.9	6	54740	5.7	16	43	51210	5730	5	12050	2344	4	390	8	1040	65	13	41	2	1	54.9	318	1	1	3	23
8360	.7	3850	2886	3	47	.4	2	7230	64.9	14	45	59290	1510	1	1110	768	1	140	1	540	1017	677	8	1	1	14.0	67	1	1	2	84
8361	1.0	3850	5798	4	40	.6	3	44200	130.0	15	26	61780	1990	1	10600	1762	3	90	1	640	1533	1020	66	1	1	23.1	61	1	1	1	109
8362	1.2	1960	1002	1	34	.2	1	2250	22.1	5	49	23080	860	1	550	281	2	60	1	240	2052	673	4	1	1	8.5	31	1	1	2	268
8363	2.3	4770	961	9	53	.1	5	23400	25.7	44	505	197270	2390	1	10260	1914	1	120	1	1090	82	44	19	1	1	43.2	198	1	1	1	1
8364	11.5	8680	518	11	91	.3	5	15290	16.1	40	600	193540	3330	1	4890	998	1	180	1	920	528	138	9	1	1	41.9	829	1	1	1	1
8365	1.1	5130	231	11	57	.1	4	1340	2.8	27	392	217920	2280	1	1240	482	1	160	1	850	53	74	4	1	1	49.9	165	1	1	1	1
8366	3.1	8510	2	27	61	.1	3	1820	.7	35	494	281130	2640	1	3700	521	1	310	1	1090	47	25	5	1	1	60.6	100	1	1	1	1
8367	6.7	7240	181	15	87	.1	1	8810	5.5	45	910	330090	3020	1	4560	816	1	280	1	1350	32	94	14	1	1	48.9	272	1	1	1	1
8368	3.2	9210	169	8	102	.1	3	4740	5.2	30	534	177520	3710	1	4790	314	11	300	1	1680	40	19	9	1	1	43.0	355	1	1	1	1
8369	.7	13560	13	3	126	.9	5	30790	4.2	25	94	62410	5650	1	15080	1143	4	660	1	1830	31	6	27	1	3	60.6	101	2	1	1	4
8370	12.5	14920	527	7	51	.2	5	3960	13.6	38	563	220030	2400	6	5780	262	1	240	1	1320	194	11	6	1	1	83.4	537	1	1	1	1
8371	4.2	17220	53	5	73	.5	6	7020	2.3	32	424	205820	2980	8	7790	723	1	260	1	1120	29	1	6	1	1	102.8	99	1	1	1	1
8372	.8	14180	73	7	85	.9	3	6540	4.0	36	379	175760	3660	3	7220	857	1	380	1	1140	46	4	8	1	1	76.6	128	1	1	1	1
37384	1.3	17750	83	4	151	1.0	5	43860	37.6	17	54	47430	6390	2	9670	2832	4	220	3	1320	612	1	16	1	1	33.3	5075	1	1	1	11
37385	.2	12690	62	2	163	.8	3	38310	3.1	16	22	40160	5580	1	9250	1901	4	240	1	1450	26	1	13	1	1	26.9	34	1	1	1	16
37386	.5	11880	8	2	162	.7	4	50640	3.6	13	27	33500	5420	1	11500	2218	3	220	4	1320	32	1	16	1	1	26.9	38	2	1	1	23
37387	.4	10550	1	1	173	.7	6	67800	5.5	14	17	36210	5090	1	18280	3268	5	210	6	1330	47	1	19	1	1	26.8	30	1	1	1	17
37388	7.6	8920	34	3	129	1.0	6	19690	9.2	18	36	47080	4630	1	4760	15784	3	130	24	1380	80	18	11	1	1	21.0	888	1	1	1	17
37389	10.6	14610	104	2	96	1.0	7	27740	8.2	16	37	47700	4970	5	8360	11241	3	140	18	1290	72	17	11	1	1	30.2	227	1	2	1	28
37390	63.1	18850	127	2	108	1.1	6	27860	18.5	17	31	53740	6100	7	10070	9171	4	160	13	1450	67	8	10	1	1	38.4	1592	1	2	1	33
37391	9.6	12900	317	3	71	.9	5	24920	27.9	20	53	69870	3900	5	7610	8737	3	100	8	1330	79	20	16	1	1	25.9	2838	1	1	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0113-RJ1+2
DATE: AUG-07-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37342	.4	12040	23	3	79	1.0	5	59080	7.1	30	78	56350	4660	5	15950	3927	4	110	8	1700	129	4	43	1	1	44.0	206	1	1	1	1
37343	.5	15690	4	1	110	.6	4	82200	5.7	18	56	41560	3460	9	7170	2891	3	80	8	1090	42	1	208	2	1	45.2	573	1	1	1	56
37344	.3	20000	2	1	84	.9	4	54660	7.1	23	70	53290	4620	12	18640	3116	4	160	10	1480	43	1	57	1	1	66.8	233	1	1	1	27
37345	.4	16250	36	4	109	.8	4	45970	11.7	22	38	56590	6600	5	14920	3122	4	160	5	1870	44	1	28	1	1	49.8	702	1	1	1	23
37346	.6	17230	31	7	144	.9	5	34980	11.8	31	68	74960	7520	3	10700	3001	6	130	1	2030	61	1	19	1	1	44.5	581	1	1	1	12
37347	3.4	7610	49	11	48	.7	4	22790	74.8	34	617	212870	2800	1	8040	4241	1	50	1	640	158	10	15	1	1	23.4	10494	1	1	1	1
37348	.7	14960	56	8	111	1.1	5	27460	42.6	22	106	86850	7010	1	9800	4126	6	100	1	1750	80	3	18	1	1	46.0	5476	1	1	1	23
37349	.1	14950	6	5	110	1.0	5	41840	8.7	26	19	69660	6680	2	13650	3478	8	130	4	1830	42	1	21	1	1	45.0	731	1	1	1	21
37350	.7	16810	15	10	143	1.0	4	23290	100.3	24	317	125530	7350	2	7510	4345	1	100	1	1940	67	10	22	1	1	45.6	12552	1	2	1	6
37392	219.8	15750	145	2	104	1.0	6	34950	19.3	14	255	47670	5340	5	9080	10917	4	150	16	1240	1882	227	16	1	1	30.9	1704	1	2	1	40
37393	1.8	16710	46	2	118	.9	4	40070	5.7	15	41	41070	5130	6	8750	7406	3	160	12	1360	75	2	16	1	1	32.5	161	1	1	1	24
37394	46.9	10240	273	5	102	1.0	3	25450	12.3	19	275	54430	5000	1	7260	3718	3	150	2	1210	246	53	11	1	1	22.0	566	1	1	1	40
37395	206.6	8080	177	2	85	1.0	4	33100	7.8	17	274	47480	4010	1	8980	4082	3	130	6	1160	125	199	14	1	1	19.5	171	1	1	1	35
37396	1.2	23600	1	1	2839	1.0	4	41630	4.6	17	46	40280	4200	15	14550	1368	3	360	3	1390	29	1	80	1	3	46.2	165	3	1	1	21
37397	.6	14140	1	1	170	.8	5	91150	4.2	11	20	27530	4720	4	13820	3322	4	210	9	1120	35	1	61	2	1	29.2	37	1	1	1	69
37398	.9	20340	5	1	196	.6	3	45430	3.8	13	6	30810	4770	15	11170	1398	4	190	5	1270	27	1	29	1	1	34.4	59	3	1	1	127
37399	.1	15380	46	11	130	1.2	4	14600	54.1	20	151	132990	7570	1	7320	6292	2	110	1	1460	64	7	14	1	1	49.3	6810	1	2	1	8
37400	4.0	9910	42	20	64	.1	1	2510	135.2	80	1059	356860	4640	1	2840	5550	1	70	1	680	48	13	7	1	1	21.4	19054	1	1	1	1
37401	9.4	8510	225	20	62	.1	1	2060	83.6	97	1797	385510	4250	1	1460	4702	1	50	1	770	340	84	7	1	1	15.1	11500	1	1	1	1
37402	3.2	8640	89	19	63	.1	1	1630	95.6	99	1281	375890	4650	1	1240	3012	1	50	1	640	29	30	7	1	1	20.4	13725	1	1	1	1
37403	13.0	6840	477	16	20	.1	1	1370	36.4	128	1560	393670	1580	1	1270	1718	1	20	1	270	149	105	2	1	1	12.7	3758	1	1	1	1
8373	28.7	16570	251	14	279	.5	4	2620	30.6	21	105	66670	8600	7	4200	156	2	190	1	1320	112	64	6	1	1	63.3	1589	1	1	1	47
8374	8.6	6580	311	13	144	.3	3	180	7.5	13	34	77820	3730	1	460	1	1	90	1	510	62	15	4	1	2	17.1	54	1	1	1	74
8375	3.9	7560	246	13	116	.4	2	250	6.1	17	30	65170	4180	1	280	1	1	70	2	460	51	15	5	1	2	18.0	88	1	1	1	90
8376	8.8	7780	283	14	136	.5	2	870	6.7	20	71	92800	4290	1	420	1	1	90	3	1240	67	50	6	1	4	21.0	119	1	1	1	73
8377	29.5	6310	381	13	166	.5	3	250	8.2	14	26	79540	4050	1	260	1	1	90	1	930	89	10	5	1	1	15.7	40	1	1	1	98
8378	18.6	5340	285	13	70	.6	1	210	6.7	21	41	117170	2950	1	200	1	1	50	6	80	17	7	2	1	1	10.2	55	1	1	1	99
8379	13.4	12350	120	14	241	.6	5	2500	6.4	21	136	67590	6230	6	4470	139	1	170	1	1280	114	189	6	1	1	67.8	194	2	1	1	50
8380	12.2	10930	132	11	203	.3	3	2380	5.8	22	74	62840	5530	5	3650	136	2	160	1	1170	92	75	5	1	1	51.1	240	1	1	1	37
8381	29.3	5540	204	9	144	.5	4	990	5.6	23	303	80710	3740	1	540	1	1	100	1	630	110	322	3	1	2	18.1	117	1	2	1	43
8382	29.0	11800	223	12	242	.3	3	2360	8.0	24	129	69070	6020	4	2950	111	1	200	2	1360	91	107	7	1	1	50.9	299	1	1	1	35
8383	12.9	13380	496	10	383	.6	6	1600	11.8	9	44	50780	6420	8	5700	203	4	390	1	1210	95	1	8	1	1	56.4	38	1	1	1	117
8384	1.9	18160	140	153	146	.7	12	7080	7.2	18	50	40700	2480	47	15430	1159	6	1150	4	1620	87	1	13	1	1	270.7	37	2	2	2	62
8385	54.4	32360	494	5	232	1.7	12	2970	218.8	22	379	62830	4580	38	35520	4199	11	110	77	1280	9435	145	14	1	1	86.0	11888	1	3	3	162
8386	63.5	4890	191	8	632	.2	4	520	5.4	21	293	155660	4700	1	680	1	1	100	1	390	1830	1329	37	1	1	18.0	150	1	1	1	64
8387	35.4	10820	362	8	214	.5	2	530	8.3	14	55	56970	6180	1	1810	97	2	160	29	530	1293	76	14	1	1	28.3	91	1	1	1	91
8388	1.6	26560	21	5	152	.8	10	5020	6.4	130	617	167790	6060	27	25150	466	49	490	19	1380	74	1	14	1	1	163.1	137	1	2	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0114-RJ1+2
DATE: AUG-08-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37404	1.5	6950	147	17	40	.1	1	2460	23.5	122	933	363820	3020	1	2040	5082	1	40	1	610	27	11	3	1	1	15.9	3406	1	1	1	1
37405	.1	18440	1	6	70	.7	3	11000	7.9	28	155	163160	4720	6	5270	4346	1	50	1	1100	38	1	11	1	1	45.7	905	1	1	1	1
37406	.6	31550	2	1	70	1.0	5	46440	16.4	19	78	92660	4320	22	12370	3166	3	60	1	1260	45	1	24	1	1	82.1	1730	1	2	1	1
37407	1.3	25000	69	2	197	.6	5	32490	13.8	24	105	77010	5840	15	9640	1968	2	70	1	1400	81	1	27	1	1	64.1	1101	2	1	1	18
37408	.8	20650	32	2	218	.9	4	23110	7.0	12	46	28970	7290	7	6370	1029	3	100	4	710	78	1	19	1	2	43.8	614	3	1	1	34
37409	.8	24410	23	3	171	.9	4	41250	9.4	20	49	43580	6750	13	9160	1880	7	140	3	950	90	1	22	1	1	50.5	697	3	1	1	12
37438	.3	22960	6	2	91	.8	6	43390	9.4	24	114	60990	5930	12	18780	3661	5	190	11	1770	52	1	19	1	1	84.1	739	1	2	1	12
37443	3.0	11820	20	12	94	.8	5	40740	62.1	27	183	92500	6510	1	7150	2925	5	100	1	1510	810	6	22	1	1	33.1	7428	1	2	1	1
37444	.8	10160	94	8	76	.9	5	77150	24.3	21	73	71440	6060	1	6640	4378	4	90	3	1330	287	1	34	1	1	30.9	2257	1	1	1	12
37445	2.4	8970	167	10	75	.9	5	69610	84.4	27	237	98240	5590	1	5190	5281	4	80	1	1270	431	14	42	1	1	32.2	10965	1	1	1	14
37446	6.7	9680	1015	14	59	.5	4	12880	134.5	60	242	189430	4550	1	2140	5164	7	60	1	890	392	42	14	1	1	27.6	20787	1	2	1	15
37447	4.0	7930	50	12	61	.6	3	8170	132.9	27	428	166790	4600	1	4320	4654	1	80	1	1200	259	8	8	1	1	24.3	20796	1	2	1	30
37448	16.7	9880	65	18	70	.3	4	9340	313.8	41	764	210920	5430	1	5640	3969	1	100	1	1250	3404	32	14	1	1	26.2	42699	1	2	1	1
37449	22.2	7060	382	15	47	.4	4	28330	332.9	53	778	173340	3700	1	4390	2073	3	70	1	850	3704	66	24	1	1	17.4	42058	1	2	1	8
37450	19.8	6400	1494	10	57	.6	5	54250	190.0	44	384	107060	3840	1	8560	2647	4	70	5	960	2552	96	31	1	1	21.9	18151	1	1	1	55
37451	17.1	19290	119	4	109	1.2	7	34400	10.6	20	88	58920	5790	13	10500	11325	3	170	15	1600	76	24	14	1	1	38.9	344	1	2	1	47
37452	.1	19040	47	1	332	1.3	9	50200	9.6	17	15	50180	5950	9	12010	14961	6	160	25	1500	91	5	20	1	1	36.2	106	1	2	1	47
37453	.1	20830	1	1	486	1.1	8	50420	6.6	17	6	46710	6890	9	17520	10955	6	170	20	1570	78	1	17	1	1	40.0	64	1	2	1	42
37454	2.2	21250	7	1	136	.9	8	50940	6.8	19	65	48970	7010	9	14010	11496	6	170	21	1600	75	4	17	1	1	41.8	62	1	2	1	34
37455	7.6	17030	29	5	96	1.0	7	49020	8.3	18	90	48790	5110	9	12720	10742	5	130	17	1590	97	9	16	1	1	34.1	57	1	2	1	17
37456	.1	20750	19	1	350	1.1	7	49750	7.7	19	20	51690	6410	12	15120	10020	5	150	18	1640	72	1	20	1	1	41.9	67	1	2	1	16
37457	2.7	16590	5	1	91	1.0	6	51820	5.8	19	24	49360	4350	11	16100	9015	5	120	16	1530	70	2	22	1	1	38.7	67	1	2	1	10
37458	1.1	18010	1	1	94	1.2	7	48910	6.1	19	17	47480	5380	10	15430	8427	5	150	16	1530	67	1	20	1	1	41.2	71	1	1	1	23
37459	26.4	23860	156	3	138	1.1	7	30950	10.1	23	112	73740	7440	10	11970	8214	3	190	8	1450	82	26	15	1	1	45.7	480	1	2	1	41
37460	.9	9840	120	3	96	1.3	6	57060	8.5	19	30	50520	4600	1	11440	7699	4	140	9	1790	82	1	15	1	1	23.5	154	1	1	1	18
37461	1.1	8340	57	3	432	1.2	5	78400	8.1	16	23	45410	4220	1	16060	6436	5	160	10	1580	72	1	47	1	1	21.0	53	1	1	1	25
37462	8.6	7310	19	3	92	1.3	7	63670	5.1	20	58	52570	3530	1	12370	8991	4	110	12	1740	104	12	28	1	1	20.0	46	1	1	1	2
37463	1.1	21390	1	1	154	1.2	5	60640	5.6	22	32	54820	5940	12	15510	4560	3	230	7	1720	58	1	32	1	1	40.3	72	1	2	1	20
37464	.8	23920	1	1	172	1.3	6	55370	4.7	20	39	53300	5610	17	18670	3261	5	340	3	1750	55	1	26	1	1	46.9	107	2	2	1	26
37465	.8	19880	1	1	138	1.1	5	64910	4.4	19	50	46660	3560	16	16910	3474	5	180	7	1600	51	1	54	1	1	38.5	70	2	1	1	9
37466	.5	19260	1	1	102	.9	5	41680	3.9	17	27	41290	3690	15	14930	2328	4	200	4	1480	44	1	17	4	1	34.6	61	1	1	1	12
8389	1.3	14760	7	1	109	.4	9	2130	4.3	11	48	58930	1540	26	17500	940	4	1010	1	1360	67	1	9	1	1	169.6	47	1	1	2	103
8390	1.4	16700	1	1	100	.8	10	3010	4.5	12	85	52190	1280	30	21780	863	7	820	4	1600	77	2	9	1	1	225.0	49	1	2	2	21
8391	1.0	18490	1	1	76	.7	10	3220	5.5	13	52	53730	1070	35	23490	1009	5	820	1	1750	74	1	8	1	1	238.1	48	1	2	2	19
8392	1.1	20000	1	1	81	.7	12	4080	6.0	16	72	57090	950	37	25310	1296	7	920	5	1750	70	3	8	1	1	244.0	68	1	2	2	22
8393	1.5	19200	1	2	57	.9	11	3680	5.4	16	72	54500	810	37	25110	1173	5	840	3	1710	83	5	7	1	1	243.7	52	1	2	2	29
8394	1.4	19100	10	1	71	.8	11	4030	6.8	16	71	47810	1110	36	24740	1131	7	830	6	1790	78	3	8	1	1	240.9	57	1	2	2	37
8395	1.4	17310	27	1	87	.5	10	4020	5.9	17	96	44830	1200	34	23150	942	7	790	7	1690	70	3	7	1	1	235.6	59	1	2	2	33
8396	1.7	17410	38	1	86	.7	11	3960	6.8	17	83	49760	1340	33	22660	876	7	890	4	1850	91	3	8	1	1	256.4	51	2	2	2	35
8397	1.2	16180	19	1	76	.6	11	3460	6.3	13	54	46120	1340	30	20710	790	6	960	3	1710	72	2	8	1	1	247.8	38	2	2	2	35
8398	.9	14990	17	1	77	.7	9	3190	4.8	13	52	48560	1210	28	19200	785	5	870	2	1720	76	1	7	1	1	244.8	35	1	2	2	27
8399	1.4	14420	9	1	105	.8	11	2930	4.6	13	52	54920	1290	26	17580	747	4	760	1	1780	75	1	9	1	1	257.4	43	1	2	2	22
8400	1.1	17020	1	1	100	.9	11	3030	4.9	13	73	51970	1140	30	20970	835	5	790	3	1670	68	3	9	1	1	257.1	54	1	2	2	21
8401	5.7	13960	5289	14	20	.1	45	3640	126.8	102	5174	391400	780	9	11850	316	14	40	1	500	19	10	2	1	1	43.5	1408	1	1	1	1
8402	1.2	610	16	13	9	.1	1	110	.1	229	1070	329330	300	1	200	1	7	40	1	10	3	1	1	1	1	2.7	51	1	1	1	1
8403	3.6	4780	186	7	74	.4	1	290	3.8	75	548	149290	1090	1	3050	1	88	80	1	270	21	1	4	1	1	47.7	34	1	1	1	86
8404	3.0	28050	231	7	88	.8	8	4640	10.4	86	1609	183020	1560	28	21640	434	24	330	1	1200	51	1	22	1	1	151.6	82	1	2	1	1
8405	.3	13070	189	4	69	.5	6	2170	6.2	44	204	140700	3390	9	7550	143	1	170	1	730	28	1	4	1	1	60.2	97	1	1	1	13
8406	.3	10580	159	4	81	.6	4	1710	8.9	30	107	95040	4610	4	3800	47	1	100	1	740	24	1	2	1	1	33.7	290	1	1	1	29
8407	7.9	3090	425	7	42	.5	1	150	9.1	52	873	146860	930	1	1450	24	1	20	1	100	28	13	1	1	1	6.7	37	1	1	1	100
8408	.7	5100	1156	13	45	.1	2	550	24.2	174	404	233280	2230	1	1300	1	1	40	1	80	7	1	4	1	1	20.1	30	1	1	2	1
8409	1.3	21100	90	1	87	.9	8	4610	6.7	64	349	97000	2260	17	17560	360	2	530	1	1570	40	1	8	1	1	193.8	46	1	1	1	17
8410	8.4	16890	830	10	46	.1	1	870	19.4	122	2004	375220	1300	9	9780	112	1	10	1	470	24	1	3	1	1	26.0	87	1	1	1	1
8411	3.0	930	12	13	26	.1	7	12290	.1	31	152	316400	400	1	2990	201	1	30	1	70	43	1	7	1	1	3.6	42	1	1	1	1
8412	.4	880	115	13	453	.1	1	1280	2.2	28	51	317600	540	1	10	1	1	20	1	10	4	1	78	1	1	.3	79	1	1	1	1
8413	1.0	7780	78	18	226	.5	2	2920	1.7	26	190	102930	4010	1	1210	16	9	90	1	1110	15	13	40	1	2	16.4	34	1	1	1	34
8414	2.3	650	1	19	37	.1	1	140	.1	44	87	357350	370	1	10	1	1	10	1	10	17	1	1	1	1	.6	58	1	1	1	1
8415	.7	11650	228	9	127	.8	3	3490	5.7	22	24	101280	4010	7	6230	170	3	320	1	1430	33	1	6	1	1	23.4	26	1	1	1	1
8416	5.6	9810	402	16	17	.1	3	2170	9.2	360	1810	436110	130	7	7230	269	94	10	1	240	3	1	1	1	1	13.0	130	1	1	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0116-RJ1+2
DATE: AUG-11-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37410	1.8	20800	38	6	746	.9	4	42310	6.0	18	56	54100	6390	7	7920	2147	1	170	1	1730	65	1	30	1	1	47.1	492	1	2	1	1
37411	4.3	15330	143	10	232	.7	4	42090	8.2	27	192	74130	6360	1	5780	2097	1	130	1	1570	150	6	28	1	1	34.6	569	1	2	1	1
37412	4.0	17020	216	12	196	.9	4	43840	22.6	25	196	59530	7500	2	7640	2096	2	120	2	1570	152	9	24	1	1	46.5	2119	1	2	1	1
37413	1.1	18000	59	9	184	.8	4	43940	17.4	18	110	35180	7580	2	6160	1983	2	110	6	1370	65	1	20	1	1	52.4	2008	1	2	1	19
37414	.8	17250	24	5	180	.8	3	57410	1.4	15	95	30580	6250	4	6840	2030	2	180	7	1310	49	1	23	1	1	40.9	97	1	1	1	9
37415	.6	21910	8	4	139	.9	4	51840	4.5	18	106	31940	6800	9	7510	1839	1	370	7	1400	24	1	23	1	1	58.1	452	1	2	1	11
37416	.8	20180	28	4	147	.8	4	41530	3.2	20	145	32270	6730	7	7380	1672	2	390	8	1370	28	1	24	1	1	53.4	254	1	1	1	27
37417	.8	13780	36	7	120	.8	3	46800	19.6	14	159	19830	6580	1	6530	1809	3	240	9	1100	23	1	22	1	1	35.5	2252	1	1	1	41
37418	.5	14280	56	10	140	.8	4	43090	15.8	11	59	18100	7310	1	7520	1734	3	110	9	1160	26	1	16	1	1	35.6	1682	1	1	1	48
37419	.4	15230	17	8	134	.7	3	37270	4.2	18	52	29750	6930	1	9030	2068	2	220	9	1300	43	1	15	1	1	38.5	357	1	2	1	20
37420	.4	16050	2	5	129	.8	4	61280	9.5	15	46	35520	5990	3	7180	2273	2	200	3	1310	26	1	93	1	1	37.3	1295	1	1	1	9
37421	.6	18580	27	8	178	.8	4	56580	2.8	16	61	35520	7240	3	6260	2044	1	170	7	1420	30	1	32	1	1	44.4	337	1	1	1	1
37422	.5	16190	13	8	169	.8	3	58370	1.4	11	83	28430	6360	2	4760	1698	2	110	3	1280	23	1	32	1	1	38.8	171	1	1	1	4
37423	.5	20640	1	7	215	.8	3	47790	1.2	12	87	30080	7330	5	4810	1459	2	120	4	1680	18	1	33	1	1	47.4	256	1	1	1	8
37424	3.6	17560	13	6	327	.7	4	54020	3.5	13	161	31510	6030	4	3440	1375	1	100	4	1320	44	1	41	1	1	37.4	546	1	1	1	7
37425	.5	21050	1	4	197	.7	4	54930	1.6	11	46	34750	6630	8	5330	1554	1	110	5	1390	24	1	34	1	1	46.8	131	1	1	1	1
37426	20.8	21090	13	5	240	.7	4	42110	1.7	19	115	50610	6880	7	6910	1438	1	100	5	1640	72	1	31	1	1	49.0	126	1	1	1	1
37427	.9	18710	1	7	303	.7	4	49790	4.0	18	97	47380	7550	4	12590	2566	2	160	7	1320	42	2	32	1	1	58.4	234	1	2	1	1
37428	3.4	17790	26	6	350	.5	4	35120	6.1	26	147	55140	7120	3	6140	1141	1	180	1	1590	51	2	30	1	1	54.8	779	1	1	1	4
37429	.6	17840	1	3	274	.7	5	61180	3.3	17	66	47380	5460	6	14330	2858	3	220	5	1440	44	1	54	1	1	68.2	210	1	2	1	8
37430	2.6	19900	9	5	237	.8	5	43590	13.4	21	125	49580	6180	7	9590	1967	2	140	6	1500	132	1	42	1	1	62.3	1612	1	2	1	5
37431	.7	19070	1	3	212	.8	4	42260	3.6	18	96	50720	5590	9	14880	2598	3	150	6	1570	64	1	32	1	1	65.2	233	1	1	2	11
37432	1.0	15100	6	5	217	.7	4	85420	2.9	15	118	48230	5270	4	9770	2912	2	90	4	1270	45	4	60	1	1	44.0	155	1	1	1	10
37433	1.1	17050	1	7	376	.9	3	50040	4.4	19	141	48220	6930	3	10730	2454	2	110	8	1530	65	3	28	1	1	49.8	438	1	1	1	14
37434	.8	16720	59	7	747	.5	2	22380	3.0	20	81	27560	6580	3	5740	1088	2	110	5	1610	21	1	21	1	1	51.8	180	1	1	1	53
37435	.2	23300	1	1	85	1.0	4	37870	7.9	25	78	64210	4910	13	20070	3139	3	180	8	1530	56	1	26	1	1	78.5	805	1	1	2	4
37436	.2	20390	1	1	107	.7	5	50960	10.5	22	77	56810	4880	11	15600	3133	4	140	5	1520	49	1	58	1	1	61.8	1004	1	1	2	16
37437	.6	16670	1	3	117	.9	4	36720	6.9	20	120	56550	5240	6	13890	2989	2	150	4	1420	60	1	36	1	1	50.8	610	1	2	1	1
37439	.9	19770	3	2	85	.9	5	45760	6.3	23	159	47200	6110	9	11920	2749	2	160	9	1600	36	1	24	1	1	62.8	575	1	1	1	9
37440	.7	18920	33	3	87	.9	4	49160	8.3	24	86	50400	6150	8	11520	2461	2	140	7	1540	60	1	20	1	1	56.2	837	1	2	1	5
37441	6.5	21310	127	5	104	.9	4	37860	81.5	22	120	66330	5980	11	9260	1657	2	110	1	1740	234	13	24	1	1	60.8	8170	1	5	1	13
37442	5.2	10660	309	9	100	.8	4	36470	111.9	27	161	75730	5810	1	5860	2215	4	80	1	1850	999	21	20	1	1	28.1	12224	1	3	1	1
37467	20.2	14820	277	3	98	.7	5	24060	17.5	17	65	68950	4760	6	8000	6745	1	130	6	1160	126	28	11	1	1	27.3	1247	1	1	1	20
37468	27.6	13410	429	3	111	.9	3	28700	47.4	17	106	70740	4950	3	6090	3580	2	180	1	1150	273	27	14	1	1	23.9	5628	1	1	1	6
37469	.8	16610	1	1	131	.8	3	41890	2.6	14	40	38010	4720	9	9950	2634	3	190	2	1320	27	1	16	1	1	31.6	140	1	1	1	26
37470	.7	18100	1	1	127	.9	4	42690	2.2	14	32	37110	4430	11	9820	2011	2	170	1	1290	27	1	26	1	1	31.7	113	1	1	1	27
37471	.5	12160	1	1	116	.9	4	53080	4.9	13	30	36770	4040	5	11700	3629	4	150	5	1250	43	1	19	1	1	23.6	377	1	1	1	18
37472	.7	13920	31	1	155	.8	2	22720	8.4	16	46	42500	4540	5	4100	2255	2	140	1	1410	57	1	14	1	1	26.3	1122	1	1	1	11
37473	1.3	12910	16	1	117	.8	2	41920	3.4	13	53	35450	4400	5	5810	2533	1	130	2	1280	94	1	22	1	1	24.8	387	1	1	1	15
37474	1.8	10030	24	1	156	.6	2	22760	4.5	13	41	40640	4050	1	2910	2367	1	120	1	1130	260	1	16	1	1	21.5	827	1	1	1	1
37475	.1	11340	1	1	126	.9	4	28320	21.3	17	46	36770	4360	3	5860	6889	3	130	10	1340	55	1	9	1	1	22.4	2111	1	1	1	9
37476	.1	15690	1	1	166	.8	3	4650	12.1	20	46	41710	3890	9	5300	3436	1	110	3	1480	38	1	12	1	1	26.2	2250	1	1	1	1
37477	.5	9980	1	1	121	.8	3	50700	4.8	13	19	33870	4310	4	12830	3848	5	140	8	1240	38	1	11	1	1	20.6	340	1	1	1	9
37478	.5	13760	1	1	132	.8	4	39730	2.7	15	38	37260	4320	6	13000	2543	4	130	4	1310	33	1	11	1	1	26.6	105	1	1	1	18
37479	.5	12080	1	1	171	.8	3	36880	2.8	14	29	31780	4390	4	13040	2212	3	130	5	1300	30	1	10	1	1	23.7	51	1	1	1	21
37480	.5	12640	1	1	214	.8	4	39640	1.9	17	28	31240	4550	4	11860	1987	4	150	4	1220	26	1	13	1	1	25.7	48	1	1	1	26
37481	.5	10580	1	1	147	.7	2	36910	2.5	13	18	28120	4580	1	7080	1848	3	160	3	1270	23	1	12	1	1	23.0	409	1	1	1	7
37482	.4	10440	1	1	131	.9	3	45400	1.6	12	14	33670	4990	1	11320	2393	4	200	2	1340	29	1	8	1	1	22.3	86	1	1	1	9
37483	.5	7790	1	1	100	.7	3	52070	1.9	13	13	33340	3890	1	14330	2314	3	190	6	1210	31	1	13	1	1	20.4	26	1	1	1	7
37484	.5	14300	1	1	522	.7	3	38000	1.2	14	29	33160	4170	6	10080	1260	3	220	2	1340	20	1	20	1	1	25.8	96	1	1	1	5
37485	.1	16940	1	1	492	.7	5	48340	2.1	13	25	37810	4830	11	9960	7551	3	120	10	1250	43	1	20	1	1	30.2	47	1	2	1	14
37486	.1	16480	38	1	151	.7	4	34960	3.4	13	9	38780	4930	10	8860	7036	4	120	12	1220	43	1	10	1	1	28.6	44	1	1	1	21
37487	.1	15110	1	1	362	.8	6	46580	3.2	14	31	36800	4510	9	10590	11439	4	110	21	1210	63	5	19	1	1	28.1	42	1	2	1	13
37488	.1	15930	6	1	98	1.0	6	45940	5.0	14	11	36050	4370	11	11010	9673	4	110	19	1230	58	3	14	1	1	30.3	47	1	1	1	22
37489	.1	15540	1	1	109	.8	5	44550	2.0	12	45	34030	4330	13	9300	6339	3	120	11	1240	43	2	17	1	1	29.3	44	1	1	1	17
37490	.1	17940	33	1	258	.9	5	42510	3.7	14	7	30150	4750	12	12810	4944	4	110	8	1270	36	1	26	1	1	34.2	58	1	1	1	37
37491	1.0	18450	1	1	88	.9	5	40560	3.3	15	16	39320	4900	12	15010	6208	3	120	10	1300	44	1	18	1	1	37.6	66	1	2	1	39
37492	15.3	15870	85	1	221	.8	5	31470	10.7	15	47	42290	4360	10	10330	7935	3	110	11	1240	70	19	15	1	1	32.5	907	1	2	2	48
37493	7.0	16260	127	1	82	.8	5	23810	8.0	15	19	48710	4200	10	9720	9154	3	100	12	1190	122	8	13	1	1	31.3	149	1	3	1	42
37494	2.1	15110	1	1	75	.9	6	29080	5.6	14	10	42380	3980	10	10110	12574	4	100	22	1180	71	5	13	1	1	28.8	68	1	3	1	26

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0116-RJ3+4
DATE: AUG-11-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37495	8.5	12830	20	1	76	.9	7	31990	5.4	14	25	36490	3960	7	9300	11934	4	110	21	1300	67	9	14	1	1	25.3	91	1	5	2	26
37496	16.1	13250	105	1	79	1.0	5	34790	6.9	15	38	45260	3440	7	8180	8362	3	100	13	1270	63	14	18	1	1	23.8	215	1	3	1	25
37497	6.4	16520	42	1	78	.9	6	37210	4.7	14	29	42030	3470	11	10480	8610	4	100	14	1220	59	5	13	1	1	28.6	120	1	3	1	14
37498	1.5	13370	15	1	126	.9	4	45450	2.3	15	27	40670	3320	8	10030	4858	4	90	7	1280	36	1	25	1	1	26.9	49	1	1	1	36
37499	1.4	15370	5	1	93	.8	3	40480	1.9	15	56	40920	3450	11	9230	2920	2	140	2	1320	29	1	22	1	1	28.0	65	1	2	1	20
37501	8.0	9990	116	4	79	.7	6	55010	6.8	19	107	49700	4910	1	8190	2228	2	80	3	1500	153	13	28	1	1	38.2	481	1	2	1	25
37502	.8	12020	1	2	126	.9	4	49920	3.5	16	39	42690	4370	4	14000	2527	3	120	9	1620	64	1	32	1	1	52.1	186	1	2	1	19
37503	.7	12850	1	2	69	.9	4	45580	3.5	20	51	42990	4420	5	15640	2779	3	150	9	1660	70	1	27	1	1	60.1	157	1	3	2	16
37504	.6	14670	1	1	73	.9	3	42610	3.4	18	53	45330	4420	7	17280	2795	3	150	7	1590	45	1	25	1	1	62.6	177	1	2	2	18
37505	1.6	12330	9	1	56	.7	4	92270	4.4	16	158	35360	3280	6	9670	2859	3	110	7	1310	60	1	47	2	1	49.3	238	1	1	1	17
37506	1.1	4890	236	4	49	.5	4	118410	10.5	14	25	31210	2840	1	9440	3366	3	90	8	1080	60	10	32	2	1	19.9	308	1	1	1	25
37507	2.9	12440	79	2	64	.6	3	57390	8.1	20	97	29940	4010	15	6760	1908	3	150	8	1520	191	1	50	1	1	45.0	846	1	2	1	21
37508	.9	20230	45	1	51	.9	4	37520	6.9	21	92	46140	3570	13	14110	2149	3	140	6	1570	51	1	19	1	1	85.6	441	1	1	1	18
37509	1.3	24330	58	1	74	.7	3	41750	6.3	22	79	55070	3770	18	13130	1746	3	90	2	1760	53	1	26	1	1	91.4	600	1	1	1	20
37510	3.3	22300	9	1	79	.8	4	32980	12.9	24	144	70030	3770	15	11220	1575	2	90	1	1580	69	1	43	1	1	81.6	1810	1	1	1	17
37511	16.7	14490	348	5	70	1.0	4	35090	24.3	26	197	58460	4430	5	7980	2609	2	100	4	1690	53	5	18	1	1	47.7	3290	1	1	1	22
37512	1.8	17340	37	1	67	.9	3	49480	4.3	22	89	45580	4320	7	7800	1987	2	120	5	1640	80	1	27	1	1	52.1	403	1	2	1	16
37513	1.3	12350	36	4	75	.7	3	64220	2.0	20	135	27410	5080	2	4370	2147	2	90	8	1550	26	1	28	1	1	37.5	129	1	1	1	29
37514	2.7	10570	36	5	91	.8	1	44850	1.5	19	280	28670	5550	1	2730	1390	1	80	7	1740	31	2	26	1	1	30.8	69	1	1	1	31
37515	2.2	12480	8	2	86	.7	2	66870	1.0	15	238	24710	4380	4	3920	1585	2	90	10	1360	14	1	24	2	1	28.9	62	2	1	1	26
37516	1.6	12580	7	3	92	.7	3	50600	1.2	21	157	26970	4840	4	5030	1861	1	100	8	1420	20	1	23	1	1	30.1	67	1	1	1	29
37517	.5	11780	41	5	91	.8	2	20290	10.4	25	79	47070	5140	1	2360	2409	1	110	8	1940	22	1	15	1	1	30.5	3047	1	1	1	21
37518	.7	21590	17	1	103	.8	3	40800	1.8	23	28	42670	4910	11	6970	1269	1	120	6	1640	20	1	26	1	1	61.6	177	1	1	1	19
37519	.6	21920	1	1	94	.9	3	27340	4.0	20	26	43170	4590	11	8160	1016	1	110	4	1670	22	1	24	1	1	64.5	373	1	1	1	29
37520	.7	20730	1	1	76	.9	4	34310	4.8	24	31	51470	3650	12	11000	1889	2	130	5	1730	37	1	29	1	1	74.5	458	1	1	1	3
37521	1.0	17720	3	1	72	.6	4	50240	1.2	18	21	39590	3710	9	9490	1705	3	150	5	1430	36	1	69	1	1	69.4	69	1	1	1	20
37522	.9	18220	3	1	109	.6	4	51170	2.3	21	31	42620	3260	11	10940	1961	3	180	5	1540	31	1	51	1	1	75.5	45	1	1	1	14
37523	.7	16240	1	1	84	.6	4	38050	3.1	21	22	44610	3720	8	13820	2557	3	190	7	1600	40	1	36	1	1	72.4	125	1	1	2	16
37524	.9	19290	1	1	83	.6	3	42500	2.5	17	40	41010	3460	11	10870	1795	1	190	6	1580	32	1	32	1	1	77.9	105	1	1	1	11
37525	1.5	12050	35	5	98	.8	3	61810	3.3	17	62	29750	4510	2	7260	1921	2	110	7	1460	96	1	46	1	1	41.2	329	1	1	1	38
37526	1.7	14570	28	4	87	.9	4	58670	1.8	21	127	36650	4250	8	7120	2019	2	120	8	1520	42	1	33	1	1	40.5	72	1	1	1	20
37527	.5	17010	27	1	60	.7	3	47220	1.7	19	49	41730	2980	11	10820	1797	3	130	5	1510	31	1	34	1	1	65.4	47	1	1	1	17
37528	.8	16740	14	1	78	.6	4	55690	1.6	18	71	36540	2990	9	9530	1766	3	170	5	1430	26	1	39	1	1	69.0	39	1	1	1	23
37529	.7	15230	20	1	95	.7	4	54780	2.2	22	97	38020	3260	7	9780	2008	5	120	8	1510	25	1	54	1	1	59.8	247	1	1	1	16
37530	.3	21740	1	1	71	.7	4	39300	2.5	19	56	48430	3440	11	17900	1868	4	140	7	1640	34	1	45	1	1	87.7	63	1	1	1	9
37531	.3	20700	1	1	76	.8	4	44880	2.7	19	55	46660	3380	11	17500	2078	3	140	8	1360	34	1	48	1	1	81.8	66	1	2	1	20
37532	.6	19470	1	1	77	.8	4	46920	2.2	23	170	44260	3410	11	16100	2059	3	140	8	1520	34	1	35	1	1	74.5	58	1	1	1	16
37533	.3	21200	1	1	73	.8	4	26100	3.6	20	77	49780	3110	12	16680	1906	3	120	6	1520	26	1	25	1	1	74.9	178	1	1	1	13
37534	.5	20700	1	1	67	.6	3	40950	3.4	18	63	45500	3140	13	12060	1724	3	90	8	1340	32	1	71	1	1	60.6	222	1	1	1	19
37535	.6	11660	17	3	226	.7	3	53820	1.7	16	48	27620	4200	4	6040	1921	1	90	9	1680	43	1	42	1	1	37.8	191	1	1	1	28
37536	.5	19720	17	1	77	.7	4	45170	2.3	18	44	42120	3140	11	12350	1762	2	90	8	2000	32	1	48	1	1	69.4	67	2	1	1	18
37537	.6	22790	1	1	133	.7	3	32020	3.9	18	61	45540	2910	14	15610	1444	3	120	8	1570	37	1	35	1	1	83.5	192	1	1	1	17
37538	.4	26270	1	1	54	.8	5	41960	4.1	27	93	52720	2590	19	18990	2229	3	100	10	1650	35	1	33	1	1	127.2	135	1	2	1	8
37539	.6	25710	6	1	67	.8	4	37020	3.7	26	150	55560	2950	19	16900	1984	2	90	7	1560	37	1	37	1	1	95.0	157	1	1	1	5
37540	.8	14120	17	1	76	.6	3	50210	.8	17	176	35250	3200	8	7970	1841	2	60	6	1270	21	1	63	1	1	37.1	67	1	1	1	13
37541	.8	10450	32	1	253	.6	3	60410	1.3	15	118	26880	3750	3	6260	1978	2	60	5	970	22	1	38	1	1	26.7	115	1	1	1	16
37542	.4	11310	25	3	94	.9	4	44270	9.1	21	79	42750	5110	4	12810	3005	4	130	9	1590	43	1	26	1	1	40.6	986	1	1	1	21
37543	.3	14010	12	1	85	1.0	4	40460	9.4	21	61	46530	4560	8	15270	2941	4	130	8	1580	40	1	29	1	1	58.8	1086	1	1	1	19
37544	.4	12360	6	1	70	.9	4	42250	6.8	20	36	42730	4350	7	15750	3008	4	130	9	1530	69	1	28	1	1	47.7	653	1	1	1	19
37545	.5	14800	1	1	61	.9	5	44910	7.0	20	87	48270	3890	9	17680	3401	4	110	10	1440	52	1	32	1	1	57.0	687	1	1	1	9
37546	.5	18920	1	1	58	.9	5	38830	15.6	25	103	57140	3620	12	19730	3354	4	160	7	1470	50	1	29	1	1	69.5	1966	1	3	1	3
37547	.2	17610	1	1	72	.8	5	41720	4.3	24	96	56080	4140	10	19860	3364	4	90	9	1610	42	1	29	1	1	63.5	373	1	2	1	6
37548	.2	8570	1	4	80	.9	4	38130	13.4	24	70	62810	4540	1	14220	3464	3	80	5	1650	41	1	34	1	1	33.7	2528	1	1	1	1
37549	.5	6880	57	7	83	.8	3	21780	28.1	27	95	88440	4480	1	7640	3204	3	70	1	1630	72	3	21	1	1	28.7	3790	1	1	1	1
37550	2.7	4480	64	9	60	.3	3	46000	42.1	49	366	164390	3240	1	7620	4106	1	60	1	1120	102	9	33	1	1	21.1	5552	1	1	1	1
37551	3.6	4720	1	12	47	.1	1	29830	71.2	68	670	255850	2780	1	4080	3321	1	40	1	600	44	9	24	1	1	12.3	10074	1	1	1	1
37552	2.3	14720	24	4	83	.8	4	41190	61.0	27	293	121340	3730	8	6870	3218	1	60	1	1080	55	9	32	1	1	30.2	8374	1	2	1	1
37553	.3	15570	18	1	91	.9	3	39740	3.6	13	28	53170	4220	8	7560	2020	1	60	1	1110	26	1	24	1	1	31.6	449	1	1	1	11
37554	1.2	18460	56	3	67	.7	2	17410	12.0	38	327	155810	3340	10	8210	2356	1	40	1	920	31	1	20	1	1	39.3	1549	1	1	1	1
37555	3.7	6460	87	13	35	.1	1	3430	2.3	85	966	334470	1800	1	2210	4012	1	20	1	410	22	1	5	1	1	11.4	179	1	1	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0116-RJ5
DATE: AUG-11-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37556	3.1	5790	1	11	56	.1	1	11780	34.5	43	410	217590	3020	1	2640	6676	1	40	1	690	1067	2	15	1	1	12.1	3571	1	1	1	1
37557	.2	4050	1	9	55	.3	3	32920	4.7	33	329	172130	2670	1	2110	8144	1	40	1	680	49	5	19	1	1	12.0	590	1	1	1	1
37558	3.3	8110	1	9	90	.1	2	48990	1.2	47	727	187370	2850	2	2560	5473	1	30	1	620	54	6	17	1	1	22.2	617	1	1	1	1
37559	2.1	15360	2	5	179	.7	3	22180	38.0	25	253	116340	4110	6	3780	2402	1	40	1	990	59	1	19	1	1	34.6	5316	1	1	1	1
37560	1.5	23970	69	1	170	.4	4	36910	34.2	21	134	91250	3760	12	7010	2082	1	50	1	1070	131	1	19	1	1	60.0	4322	1	1	1	19
37561	2.3	23620	126	1	209	.6	4	53550	69.4	26	170	87420	3430	17	8940	2741	1	50	1	1100	129	1	32	1	1	61.3	8592	1	1	1	7
37562	1.3	20210	89	1	179	.7	3	39600	10.0	24	85	85780	3820	14	7870	2016	1	50	1	960	101	1	26	1	1	54.1	907	1	1	1	2
37563	1.3	19100	75	1	217	.4	3	45380	8.9	24	126	72730	3820	14	8880	2386	1	50	1	1010	103	1	38	1	1	52.4	929	1	2	1	6
37564	1.4	25050	26	1	256	.6	4	28640	29.1	18	94	78980	3430	20	11180	1569	1	40	1	1110	51	1	27	1	1	60.7	3673	1	1	1	1
37565	3.6	24860	129	1	225	.7	4	16570	42.2	29	141	105690	3670	18	9750	797	1	40	1	1150	70	9	15	1	1	54.3	5434	1	1	1	1
37566	.5	21730	41	1	362	.7	3	7040	2.6	14	24	56550	4000	15	8420	375	2	40	1	1500	51	3	11	1	1	40.8	341	1	1	1	18
37567	.8	23150	143	1	676	.5	2	3960	7.5	19	48	60560	3880	15	9050	164	1	40	1	1800	43	5	8	1	1	51.2	312	1	1	1	12
37568	1.8	21470	237	1	321	.7	2	3980	10.4	25	63	62660	4030	14	7350	184	1	50	1	1840	85	11	12	1	1	49.5	651	1	1	1	9
37569	2.6	9340	209	5	92	.3	2	3460	66.2	22	215	95370	3110	4	2070	215	1	40	1	810	51	11	14	1	1	22.9	8212	1	1	1	33
37570	1.4	12900	100	1	370	.3	1	2500	20.6	16	117	45410	3570	7	4060	250	2	40	1	740	21	5	6	1	1	44.0	2612	1	1	1	80
37571	1.1	13510	101	3	298	.6	1	2510	30.0	18	152	47900	4590	5	4420	344	1	50	1	910	21	6	16	1	1	52.6	4314	1	1	1	51
37572	.6	13810	94	3	217	.5	2	14470	13.9	19	81	50260	5120	6	5470	1133	1	60	1	1210	28	7	23	1	1	42.7	2270	1	1	1	32
37573	.1	19080	14	1	394	.8	3	30870	15.5	21	60	55990	4990	12	8580	2034	3	60	3	1600	44	1	27	1	1	47.8	2072	1	1	1	17
37574	.2	20360	21	1	542	.6	4	34020	10.8	19	39	52510	4690	15	13360	2548	4	60	3	1670	53	1	34	1	1	50.9	1168	1	1	1	16
37575	.3	24310	8	1	529	.6	4	23380	19.5	19	75	57180	4150	20	12830	1875	3	60	3	1740	41	1	27	1	1	57.2	2520	1	1	1	16
37576	.3	19340	43	1	268	.6	3	21500	11.8	21	32	45860	5230	13	9540	1448	4	60	2	1800	35	1	29	1	1	45.7	1388	1	1	1	25
37577	.1	19700	30	1	226	.9	4	33570	13.8	20	48	50210	5440	12	12710	2841	3	70	7	1720	43	1	31	1	1	50.6	1723	1	1	1	17
37578	.1	20400	21	1	157	.7	4	29470	14.7	18	50	50930	4670	14	14210	2742	3	70	5	1690	47	1	27	1	1	52.2	1781	1	1	1	15
37579	.2	20720	29	1	159	.8	5	42910	13.9	24	73	57310	5510	13	16360	3734	3	70	7	1770	65	1	27	1	1	54.4	1598	1	1	2	9
37580	.1	18070	20	2	156	.8	4	49520	24.0	20	35	47290	5380	10	13030	3562	4	70	5	1700	49	1	31	1	1	50.7	3037	1	2	1	24

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0122-RJ1+2
DATE: AUG-15-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37500	.4	14750	5	1	71	1.0	4	45950	1.6	13	33	35880	2560	13	10810	2472	3	110	5	1190	24	1	23	1	1	27.5	69	1	1	2	16
37581	1.0	18500	176	1	107	1.1	5	41240	29.8	23	123	50860	3790	15	11510	2716	4	40	4	1600	70	7	38	1	1	50.8	3980	1	1	3	11
37582	.9	19700	162	1	118	.9	4	42280	31.8	17	52	49830	4180	14	9100	1893	3	50	4	1550	61	6	34	1	1	51.1	4430	1	1	2	15
37583	1.4	18440	159	1	156	1.0	4	45080	17.5	22	93	59290	3860	13	9250	2133	2	50	1	1590	79	5	43	1	1	45.6	2329	1	2	2	11
37584	2.9	18230	103	2	155	1.3	4	42740	.5	18	85	65750	3650	12	6820	1547	1	40	1	1310	77	11	31	1	1	42.2	258	1	1	1	7
37585	2.6	11000	159	6	208	.9	4	59870	2.3	17	125	34720	4720	3	2700	1894	2	50	1	1450	87	14	49	1	1	28.0	308	1	1	1	31
37586	1.7	5750	303	5	205	.7	3	70950	2.5	14	51	27720	3740	1	1520	1728	1	50	4	1190	40	27	41	1	1	15.1	237	1	1	1	36
37587	3.2	11700	396	3	213	.9	3	61750	5.4	14	88	30770	3890	5	3660	1730	2	50	4	1320	1067	37	34	1	1	29.7	428	1	1	1	34
37588	1.1	25470	157	1	116	1.3	4	27380	1.8	25	119	67050	3610	19	12050	1535	3	40	1	1540	115	10	39	1	1	77.6	353	1	1	2	14
37589	1.0	10360	238	4	276	1.0	3	61350	2.5	20	66	35900	3930	5	3980	1924	1	50	1	1050	68	9	97	1	1	24.3	230	1	1	1	27
37590	.7	6610	95	4	133	.7	3	82650	1.5	9	21	21140	4120	2	4550	2453	2	60	5	830	38	6	31	1	1	15.4	82	1	1	1	29
37591	1.1	11550	137	2	210	.7	3	47520	7.5	11	57	25630	4290	6	4460	1480	1	50	1	940	33	11	52	1	1	26.4	692	1	1	1	35
37592	.8	18810	29	1	184	1.0	4	43170	2.4	16	75	39800	4270	12	11560	2162	3	80	3	1090	31	1	43	1	1	52.7	420	2	1	2	19
37593	.7	20940	18	1	101	.9	4	33840	2.4	14	48	48760	3740	15	12660	2221	3	50	1	1090	37	1	36	1	1	52.8	381	1	1	2	15
37594	1.0	25820	37	1	96	1.2	4	37300	3.7	17	75	67710	3380	19	12780	2508	2	40	2	1380	94	1	31	1	1	70.3	681	2	3	2	1
37595	3.1	12690	40	4	120	.8	3	49830	7.5	14	64	31750	4660	5	4450	1767	2	50	1	1190	85	4	31	1	1	37.7	891	1	1	1	14
37596	4.6	18870	67	5	121	1.1	5	37480	.5	28	157	88640	5070	10	7640	2103	1	40	1	1040	71	8	28	1	1	58.6	118	1	1	1	1
37597	1.6	20940	11	1	87	1.0	4	35510	2.4	16	102	54650	3810	14	9770	2017	3	40	2	1120	53	1	27	1	1	63.6	434	1	1	1	1
37598	3.0	25360	4	1	123	1.3	5	25930	.5	14	69	66190	4040	18	11730	1688	4	40	1	1090	43	1	22	1	1	79.8	131	1	3	2	1
37599	1.2	19690	15	1	81	1.3	4	28610	21.3	13	84	61150	3480	14	10390	1636	4	40	1	1200	95	1	29	1	1	68.1	2271	1	3	1	1
37600	1.0	25790	3	1	85	1.2	5	34450	1.6	14	85	68780	3650	21	13730	2172	3	40	1	1180	84	1	32	1	1	83.6	435	1	3	2	1
37601	.5	12790	5	1	155	.9	4	49140	.6	13	28	34860	3130	9	10400	2624	2	120	4	1240	22	1	21	1	1	25.6	56	1	2	1	19
37602	.6	15230	6	1	850	.9	4	53160	1.3	15	35	35380	3250	12	12560	2333	3	110	2	1220	26	1	33	1	1	31.1	53	2	1	2	14
37603	.7	16550	9	1	674	1.0	4	47310	.9	15	34	35310	4180	11	12040	2193	3	130	4	1240	25	1	24	1	1	31.9	54	2	2	2	15
37604	.5	17760	7	1	473	1.1	4	43030	1.1	15	26	35420	3850	13	11920	1963	3	120	5	1270	23	1	24	1	1	32.6	61	2	1	2	32
37605	.5	14570	6	1	416	.9	4	57350	.5	14	18	29930	3830	9	10310	2587	2	120	7	1210	28	1	30	1	1	29.3	49	2	1	2	41
37606	.2	7920	3	1	259	.9	3	60040	1.8	10	6	24710	3450	2	8640	3426	2	130	7	1180	23	1	23	1	1	18.8	27	1	1	2	41
37607	.9	14840	10	1	211	1.0	3	38980	.7	14	20	29750	3690	10	7020	2346	1	130	4	1310	19	1	13	1	1	27.9	329	1	1	2	39
37608	1.0	13760	30	1	286	1.0	4	49570	1.7	13	35	36120	3010	10	9680	2725	3	120	2	1170	24	1	25	1	1	26.4	190	1	2	2	31
37609	.8	12350	41	1	227	1.1	4	51040	2.2	14	25	35180	2790	9	9980	3661	3	90	6	1220	37	1	28	1	1	23.4	57	1	1	2	20
37610	.8	15180	30	1	207	1.1	4	48830	1.3	15	31	39880	3290	11	11060	3064	2	150	5	1270	34	1	27	1	1	28.4	69	1	3	1	42
37611	.7	13880	36	1	201	1.1	4	46900	.8	15	31	39880	3250	10	11470	2571	2	130	3	1220	27	1	23	1	1	27.8	55	1	3	1	35
37612	.8	10890	36	1	346	.8	4	46860	.5	14	36	36700	3340	6	11650	2648	2	140	5	1240	27	2	21	1	1	23.5	38	1	4	1	32
37613	.9	11670	19	1	338	1.0	3	48300	.8	14	40	35370	3600	6	10990	2442	3	130	3	1210	27	2	22	1	1	24.5	39	1	3	1	34
37614	.7	9260	17	3	201	1.0	4	50410	.5	13	21	30850	4160	2	10020	2511	2	130	5	1200	25	1	20	1	1	22.4	21	1	1	1	37
37615	.3	7080	14	3	173	1.1	4	62880	1.4	12	13	29630	3840	1	11770	3120	3	120	6	1200	31	2	19	2	1	20.5	16	1	3	1	20
37616	.5	12350	7	3	186	1.1	5	71050	1.4	12	29	31530	4620	5	14010	3436	3	170	7	1220	38	3	24	2	1	27.3	30	1	3	2	32
37617	.9	15980	9	1	98	1.2	4	44630	.6	15	34	38410	4010	11	13220	2234	4	170	4	1270	26	2	22	1	1	33.5	48	1	2	1	39
37618	.7	14190	4	1	96	1.1	4	45380	1.8	14	33	37750	3910	9	13350	2513	4	170	5	1240	31	2	19	1	1	29.2	40	1	1	2	35
37619	.8	10570	11	2	91	1.2	4	50510	.9	13	14	36420	4160	3	10910	3007	4	160	5	1180	30	2	20	1	1	23.7	34	1	4	2	42
37620	.5	12150	14	2	102	1.0	4	52920	.5	12	11	34080	4580	4	10380	2936	4	180	6	1230	26	1	22	1	1	25.2	51	1	3	1	42
37621	.7	12850	13	1	114	1.0	4	49740	1.0	13	24	32440	4230	6	9740	2456	2	170	5	1280	23	1	21	1	1	26.5	51	1	2	1	40
37622	.8	13110	9	1	106	1.2	4	49000	.5	15	36	36730	3840	7	11400	2597	4	140	5	1260	27	1	18	1	1	27.3	40	1	4	1	36
37623	.6	11890	3	1	86	1.1	3	49580	1.0	14	28	36510	3830	6	11070	2728	2	140	4	1280	24	2	16	1	1	24.9	117	1	1	2	36
37624	.4	11310	22	2	97	1.0	3	49520	1.4	15	34	36930	3860	5	8390	2957	2	140	5	1290	34	1	21	1	1	23.4	199	1	2	1	44
37625	.2	9010	24	2	90	1.1	4	56280	1.2	15	45	37140	3570	3	7330	3771	2	120	5	1250	43	2	26	1	1	19.3	96	1	1	1	43
37626	.6	11650	14	2	96	1.1	3	51230	.7	16	45	38260	3750	5	7900	3472	4	130	5	1310	41	2	22	1	1	23.0	151	1	3	1	36
37627	.7	15100	7	1	125	1.2	4	44840	.7	17	32	40740	4060	9	11180	3627	5	160	4	1320	44	1	18	1	1	30.3	157	1	3	1	32
37628	.6	18650	5	1	1094	1.1	5	44740	.6	15	32	35790	4210	12	12050	1935	2	160	3	1240	23	1	41	1	1	33.2	177	1	2	2	39
37629	.6	21710	10	1	1736	.8	4	44310	.6	15	37	35910	3500	16	13490	1270	2	190	3	1260	21	1	58	1	1	42.3	80	2	2	1	21
37630	.5	19890	2	1	1023	1.1	4	42950	.5	15	46	37920	3350	14	14300	1363	3	210	4	1340	28	1	47	1	1	39.1	70	1	2	1	16
37631	.6	20530	7	1	2324	1.1	4	44580	.5	16	37	38280	3340	15	15260	1572	3	230	2	1300	22	1	69	1	1	40.7	89	1	1	1	12
37632	.8	18320	11	1	1444	1.0	4	51940	.5	15	54	37670	2670	14	13800	1517	3	190	2	1290	26	1	48	1	1	37.0	72	2	2	1	4
37633	.7	19240	15	1	3267	1.1	4	43700	.5	17	33	37470	2600	15	15340	1303	3	170	4	1310	27	1	146	1	2	39.1	82	3	4	1	13
37634	.6	16000	12	1	1906	.9	4	43920	1.3	15	22	35270	2980	11	12900	1584	3	120	3	1380	22	1	73	1	1	31.8	103	1	2	1	10
37635	.4	9170	19	1	130	1.0	4	39400	1.3	16	10	33280	3450	3	11890	2091	3	120	4	1360	26	1	8	1	1	20.4	102	1	2	1	15
37636	.5	10490	11	1	84	1.3	4	47180	1.3	15	41	35930	2850	5	13750	2272	4	130	5	1310	29	1	11	1	1	21.4	51	1	2	1	4
37637	.5	11440	15	1	105	.9	3	59780	.7	14	35	31510	2700	7	9980	1937	3	120	3	1300	19	1	39	1	1	22.7	60	1	2	1	5
37638	.4	6200	11	2	95	.8	3	46880	1.0	10	5	23420	3060	1	13440	2068	3	110	7	1340	27	1	18	1	1	17.4	17	1	3	1	8
37639	.6	7720	19	1	504	.7	3	55340	.8	11	14	21680	2540	4	9030	1795	3	140	5	1310	22	1	31	2	1	17.8	47	1	2	1	7

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0122-RJ3+4
DATE: AUG-15-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37640	.7	15820	1	1	1213	.9	3	43330	.5	14	38	33260	2530	12	11270	1304	3	180	2	1320	82	1	52	1	1	29.7	84	1	37	1	1
37641	.6	16250	4	1	1531	1.0	3	40930	.5	14	36	33970	2510	12	10670	1210	2	130	1	1300	20	1	44	1	1	29.7	119	1	1	1	1
37642	.6	16610	11	1	2858	.7	3	50320	.5	15	55	34490	2430	13	10570	1391	3	130	2	1260	23	1	49	1	1	28.8	76	1	1	1	1
37643	.5	16540	2	1	2252	.8	4	50080	.6	15	20	33400	2290	13	12520	1327	2	110	2	1200	18	1	60	1	1	32.1	69	1	1	1	1
37644	.5	17830	1	1	1716	1.2	4	41030	.5	15	29	36210	2690	14	14550	1431	4	130	2	1280	19	1	66	1	1	34.7	67	1	1	1	1
37645	.7	16290	5	1	1663	.9	3	47100	.6	14	35	33270	2700	12	13280	1451	2	130	2	1280	21	1	75	1	1	31.8	60	1	1	1	1
37646	.5	17900	3	1	926	1.0	3	40420	.8	15	43	37590	2640	14	12600	1451	2	140	1	1350	22	1	39	1	1	32.7	194	1	1	1	1
37647	.4	15850	1	1	141	1.0	3	42880	.7	13	34	34460	2880	12	13640	1725	4	130	2	1290	19	1	15	1	1	30.2	68	1	1	1	3
37648	.4	16440	1	1	94	1.1	3	31930	.9	15	40	37070	2610	12	15470	1676	3	120	3	1340	23	1	9	1	1	31.5	61	1	1	1	1
37651	.8	12060	6	2	60	1.5	4	47330	.5	27	16	65230	2740	7	13930	1834	4	150	3	1380	25	1	27	1	1	59.4	78	1	1	1	1
37652	1.5	6700	7	4	94	1.4	4	47930	.5	20	23	60110	2820	2	14230	2084	5	130	2	1230	28	1	17	1	1	33.9	39	1	1	1	1
37653	1.0	7120	7	4	73	1.3	5	50370	.6	23	56	64280	2780	3	15530	2095	4	100	5	1270	32	1	21	1	1	38.1	38	1	1	1	1
37654	.7	5760	5	5	83	1.2	5	61120	1.2	12	49	47540	3050	1	16630	3265	6	90	6	1240	36	3	25	1	1	30.0	26	1	1	2	2
37655	2.0	5290	1115	4	125	1.2	5	43000	5.0	81	182	54240	2870	1	11100	2785	6	70	18	1130	40	23	13	1	1	47.3	154	1	1	1	12
37656	1.2	15230	78	1	62	1.4	4	23730	.5	20	140	67040	2760	10	9840	2294	4	80	2	1380	74	2	8	1	1	127.0	159	1	1	1	2
37657	1.0	15870	25	1	55	1.3	5	42560	.5	16	88	58850	2670	11	15870	1841	3	100	3	1380	38	2	29	1	1	143.4	70	1	1	2	8
37658	1.6	8740	42	4	89	1.2	4	38620	.5	17	160	66900	2860	4	11710	1822	2	70	4	1150	43	4	26	1	1	37.9	77	1	1	1	3
37659	2.3	13500	45	2	62	1.4	4	34810	.5	18	88	63940	3020	8	13960	1731	1	100	8	1420	57	5	22	1	1	62.5	100	1	2	1	4
37660	1.0	15750	23	1	55	1.2	4	29440	.5	12	99	46750	2750	11	12850	1425	3	60	16	1260	26	2	19	1	1	59.2	92	1	1	1	24
37661	.8	15910	23	1	47	1.1	4	33080	.5	14	44	48280	2450	11	12750	1339	3	100	12	1110	26	2	23	1	1	67.8	116	1	1	1	21
37662	.8	13470	38	1	42	1.2	4	58790	.5	12	56	51940	2170	8	11160	1409	4	60	9	1280	25	4	47	1	1	47.4	51	1	1	1	11
37663	1.0	22260	125	2	41	2.7	4	47270	.5	39	22	140540	1930	15	15230	1109	3	50	1	1130	33	1	38	1	1	60.9	55	1	2	1	1
37664	.4	35730	47	1	57	2.6	6	22960	.5	37	196	138170	2560	23	22350	1975	4	50	1	1000	33	1	15	1	1	82.2	99	1	3	1	1
37665	1.6	25150	33	1	52	1.7	6	63530	.5	11	204	67010	2240	15	15070	1797	4	60	2	890	52	3	33	1	1	54.7	85	2	2	2	23
37666	1.6	19100	25	1	57	1.2	5	53230	1.9	14	101	49250	2470	11	13360	1728	3	60	8	980	37	1	26	1	1	43.2	135	1	1	2	28
37667	1.9	16110	35	1	67	1.1	5	60600	2.2	12	57	48340	3060	9	12520	1920	4	80	7	1090	64	1	34	1	1	44.1	236	1	1	2	39
37668	1.8	16460	54	1	63	1.5	5	80600	.5	22	141	74530	2350	9	12820	1889	3	50	2	1000	30	4	54	1	1	49.0	44	2	1	1	13
37669	1.1	19830	35	1	56	1.6	6	68640	.5	23	68	71050	2270	11	16070	1740	3	50	2	960	28	2	43	1	1	56.3	50	2	1	2	20
37670	1.2	15180	39	1	71	1.3	5	57640	.5	15	11	58930	2410	9	14660	1550	3	50	4	1120	23	1	37	1	1	56.5	45	2	1	2	30
37671	1.1	15270	42	2	81	1.5	6	45790	.5	20	111	69060	2530	10	16130	1294	2	60	2	1140	25	1	27	1	1	55.4	53	2	1	2	33
37672	.8	9480	26	3	48	1.4	6	63840	.5	16	152	61250	2360	4	13560	1448	4	70	5	1200	33	1	46	1	1	38.9	47	1	1	2	17
37673	.6	11340	28	2	57	1.3	5	68930	.5	24	45	62550	2470	6	14030	1610	4	50	6	1310	36	1	43	1	1	44.8	46	1	1	2	20
37674	1.3	12880	34	2	83	1.3	5	66880	.5	24	287	63510	3080	6	13400	1804	6	60	2	1150	31	1	57	1	1	42.5	60	2	1	2	21
37675	1.2	7700	31	3	59	1.3	4	63050	1.8	15	193	50740	2940	2	13340	2248	5	60	9	1330	30	1	38	1	1	32.5	111	1	1	2	28
37676	1.0	13170	977	8	43	2.7	6	76350	.5	46	62	181900	2160	7	10250	5105	1	50	1	740	52	5	44	1	1	38.5	137	1	2	2	38
37677	2.0	14870	890	6	44	2.3	6	74160	1.1	42	60	158750	2070	7	11910	4408	1	40	1	730	116	8	35	1	1	37.7	202	1	1	1	1
37678	.5	25430	24	1	90	1.6	6	73430	.5	11	5	53950	4230	10	14280	1949	6	60	11	1160	28	1	41	1	1	63.4	62	2	1	2	20
37679	.4	23360	1326	1	34	1.8	8	111020	6.0	19	94	95460	1770	13	14900	7393	4	40	6	910	214	12	19	2	1	58.2	274	1	2	3	10
37680	1.7	25760	1654	2	44	2.5	6	62310	1.4	31	113	163240	2050	11	13120	3221	1	50	1	1130	104	9	33	1	1	92.8	93	1	2	1	1
37681	.9	28760	35	1	63	2.0	7	90410	.5	20	7	81030	3160	13	17990	2295	12	60	1	1310	37	1	56	2	1	139.6	58	2	2	4	6
37682	1.1	9870	29	3	75	1.3	5	39970	1.1	25	121	62130	2940	4	16190	1111	7	230	2	1370	44	1	61	1	2	62.4	68	2	1	2	11
37701	1.4	23570	19	1	85	1.5	5	41340	5.1	18	113	70410	3420	19	14740	2566	5	50	3	1240	150	3	38	1	1	79.6	625	2	1	2	1
37702	1.0	20270	24	1	108	1.4	5	47950	.5	13	93	57560	3790	15	11900	2305	4	40	2	1240	61	1	48	1	1	68.5	171	2	1	1	3
37703	.9	23290	6	2	101	1.8	6	23620	2.3	23	181	93230	3770	17	15770	2620	6	40	1	1300	49	2	28	1	1	84.9	384	1	2	1	1
37704	.7	21120	26	1	87	1.9	6	24320	1.2	25	162	90470	3340	16	16160	2719	3	40	1	1200	60	3	31	1	1	76.4	159	1	2	2	1
37705	.7	14920	16	4	95	1.7	5	42770	.5	17	118	75480	3740	10	14680	3113	5	50	1	1170	46	3	63	1	1	54.3	124	1	1	1	1
37706	2.5	10140	5	7	116	1.6	7	27370	.5	26	185	90230	4350	4	14700	3549	3	50	1	1200	60	4	32	1	1	57.5	107	1	1	1	1
37707	2.5	12050	5	7	114	1.8	5	23490	.5	38	229	114230	3930	6	11620	2465	1	40	1	980	54	4	31	1	1	64.8	68	1	1	1	1
37708	10.0	18200	22	5	106	2.1	10	38010	.5	31	204	109880	3890	11	16050	2900	3	60	1	1160	82	5	36	1	1	94.2	104	1	2	2	1
37709	3.9	16650	86	4	127	1.7	6	72570	1.8	25	214	82920	3320	9	7730	2230	3	70	1	1090	70	9	48	1	1	70.1	545	1	1	1	1
37710	1.4	10730	23	7	123	1.9	6	29990	.5	31	220	107940	3850	4	12230	2872	2	40	1	1050	44	13	34	1	1	65.5	54	1	1	1	1
37711	11.0	8790	25	8	168	1.5	7	44740	1.7	23	197	79260	4570	2	12480	3275	4	50	2	1210	68	14	29	1	1	44.0	336	1	1	1	1
37712	19.5	6550	62	8	182	1.3	7	18800	5.8	29	186	74770	4360	1	5600	1029	1	50	1	1580	112	5	27	1	1	23.4	931	1	1	1	1
37713	13.6	10800	62	7	158	1.6	8	19380	.5	41	389	104400	3560	5	8550	822	1	40	1	1430	168	8	23	1	1	33.9	412	1	1	1	1
37714	3.4	23770	33	3	115	1.7	5	23850	.5	34	241	112110	3330	16	10910	1160	1	40	1	1260	111	5	28	1	1	57.7	135	1	1	1	1
37715	14.7	11650	20	8	113	1.9	10	19490	7.6	33	211	106990	3720	5	12220	2353	2	50	1	1090	714	14	22	1	1	51.6	1138	1	2	1	1
37716	8.9	5740	57	8	97	1.8	7	13430	1.3	26	165	97840	3360	1	11300	1977	2	40	1	1210	531	12	17	1	1	43.9	274	1	1	1	1
37717	4.9	5470	42	7	93	1.3	6	13270	.5	21	89	76290	3420	1	11690	2356	3	60	1	1280	198	5	26	1	1	36.1	187	1	1	1	1
37718	3.0	5900	22	7	96	1.2	5	11390	1.0	24	119	77040	3830	1	12380	2399	2	90	1	1680	126	6	24	1	1	34.2	123	1	1	1	1
37719	7.6	5860	159	7	94	1.5	8	18250	1.0	26	116	83560	3900	1	13770	2574	3	80	1	1660	220	12	30	1	1	37.8	233	1	1	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0122-RJ5+6
DATE: AUG-15-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37720	23.0	9990	207	7	113	.7	18	23450	2.5	24	87	88680	4480	5	13440	2846	4	130	1	1970	523	11	36	1	1	42.6	246	1	1	1	1
37721	12.3	7720	235	7	106	.7	14	90340	5.7	27	156	79880	4250	3	9830	3885	3	90	2	1680	254	16	59	2	1	37.0	680	1	1	1	1
37722	19.5	16920	52	11	96	1.0	16	60430	.5	33	154	94240	4520	12	12850	2680	2	80	1	2000	467	16	54	1	1	39.0	168	1	1	1	1
37723	10.2	36360	31	1	110	.9	10	27710	.5	27	138	104330	4670	29	13840	975	3	70	1	2190	187	1	37	1	2	77.4	162	4	1	1	5
37724	9.8	27910	283	5	124	1.0	7	29910	.5	38	311	114020	5680	19	12390	1818	2	60	1	2250	245	8	43	1	1	61.0	100	1	2	1	1
37725	1.6	11320	58	8	139	.9	6	32490	1.2	25	134	81390	5920	3	18760	3222	4	80	1	2180	71	5	51	1	1	53.1	101	1	1	2	1
37726	1.8	19890	8	3	111	1.0	6	43620	.5	27	157	77030	5330	11	17020	2671	4	90	1	2110	56	5	55	1	1	53.7	80	1	1	2	7
37727	.4	14710	1	6	104	1.0	5	35740	.5	22	87	69480	5700	6	16890	2797	3	110	4	2030	39	3	54	1	1	48.1	80	1	1	2	8
37728	1.4	14790	1	7	111	1.3	5	44840	.5	30	151	82640	6260	5	18920	3191	5	120	2	2180	54	9	61	1	1	47.9	149	1	1	3	6
37729	1.4	28950	25	1	103	1.0	6	39500	7.9	24	142	78900	5790	21	11420	1377	3	70	1	2210	40	1	56	1	1	51.1	1481	2	1	1	21
37730	.8	23510	1	2	92	1.0	6	37130	2.7	23	117	77790	5400	15	16900	2464	2	90	1	2200	46	1	46	1	1	55.3	578	1	1	2	2
37731	1.1	17030	1	5	103	1.0	5	42710	.5	28	103	86060	5790	10	17500	2715	3	80	2	2210	48	3	49	1	1	45.2	162	1	1	2	1
37732	2.6	20190	26	4	101	1.0	5	40730	.5	24	146	75590	5900	12	16820	2303	4	70	1	2260	52	1	59	1	1	46.8	199	1	2	2	21
37733	3.4	17930	5	5	101	.8	7	50040	4.4	22	148	64170	5800	9	14860	2509	5	60	3	2030	67	1	51	1	1	43.9	655	1	1	2	16
37734	1.7	16980	25	4	97	.9	6	44880	1.6	22	91	70180	5510	8	14690	2612	3	60	5	1940	51	2	47	1	1	41.9	103	1	1	1	2
37735	1.6	9810	40	4	70	.9	5	98450	.5	18	87	53810	4230	5	8420	3437	3	50	7	1200	76	4	126	1	1	25.9	59	1	1	1	25
37736	.8	18120	1	2	79	1.0	6	46010	3.2	22	97	59420	4600	11	20250	3240	12	120	11	1930	70	1	73	1	1	74.9	421	1	1	3	22
37737	.8	24190	11	11	99	1.2	6	37080	7.9	20	129	63860	5980	14	19860	2483	4	140	6	1970	50	1	45	1	1	78.3	1149	1	1	3	19
37738	.8	16780	16	6	108	.9	4	34960	3.1	21	88	58700	6520	7	15400	2246	3	140	6	1960	42	1	42	1	1	53.0	449	3	1	2	18
37739	1.1	11740	7	7	99	1.0	5	54240	.6	17	54	52940	6180	2	16710	2512	3	120	10	1740	54	1	61	1	1	36.7	113	1	1	2	22
37740	1.1	12000	14	15	116	1.0	4	43080	1.8	21	80	56340	5900	3	14690	2192	4	150	8	1780	39	1	49	1	1	36.3	313	1	1	1	15
37741	1.3	12190	15	6	107	.8	5	43010	8.8	30	179	55020	6060	4	13460	2860	4	100	7	1980	41	1	29	1	1	42.6	844	1	1	2	24
37742	.6	9440	27	6	280	.9	5	49290	3.1	26	32	61370	4860	2	12540	2972	6	110	5	1870	43	1	22	1	1	31.6	489	1	1	1	19
37743	1.4	24250	21	3	145	1.1	6	39020	23.8	24	77	73400	4390	17	21380	3495	5	140	8	1840	122	1	24	1	1	90.0	3445	1	3	3	7
37744	15.6	16700	36	5	81	1.1	14	34600	45.8	22	346	75020	4930	10	14320	3180	5	100	2	1620	788	1	20	1	1	43.2	7249	1	1	1	1
37745	.6	13980	20	3	88	.8	5	30230	21.1	20	53	60650	4990	7	12390	2751	4	100	2	1440	87	1	25	1	1	34.6	3438	1	1	1	3
37746	1.7	17460	17	2	84	.9	6	34530	38.0	15	73	55370	4450	11	14730	2561	3	100	1	1290	109	1	29	1	1	44.6	4788	1	1	2	9
37747	.5	15600	15	5	95	.8	5	41090	4.5	19	48	61400	5430	9	13940	2801	4	100	1	1340	48	1	26	1	1	38.6	695	1	1	1	12
37748	1.3	12680	60	5	89	1.0	6	63390	10.0	28	128	82260	4440	7	9360	3121	2	80	1	1480	41	3	35	1	1	32.6	1325	1	1	1	3
37749	.5	16640	24	4	87	1.0	5	47810	6.8	21	91	69990	4990	10	11390	2904	4	80	1	1490	36	1	29	1	1	38.9	989	1	1	1	17
37750	27.1	8690	172	12	37	.1	11	8450	.5	70	958	229620	2340	4	2880	1262	1	60	1	670	303	9	10	1	1	20.3	611	1	1	1	1
37751	5.8	5550	203	8	44	.8	3	24000	38.3	22	229	92510	3070	2	2470	2115	1	60	1	1080	1541	11	15	1	1	14.3	4477	1	1	1	1
37752	4.6	7970	87	11	42	.5	3	21170	7.7	42	522	203830	2970	3	3570	2075	1	40	1	780	98	3	19	1	1	16.6	1997	1	1	1	1
37753	1.5	9300	16	7	54	.9	3	31440	24.0	30	211	116920	3240	4	3940	2541	1	50	1	1010	46	2	22	1	1	26.0	3299	1	1	1	1
37754	2.3	17590	58	6	68	1.3	4	45110	32.7	36	224	127080	3510	11	5430	2315	1	40	1	1220	67	9	28	1	1	50.6	4737	1	1	1	1
8446	.4	17550	219	37	71	.8	8	3110	1.8	12	35	73440	1020	28	17170	814	4	510	1	1450	50	1	8	1	1	232.0	109	1	2	1	5
8447	.7	15620	283	91	87	.8	10	3690	2.6	14	42	66360	1030	28	15290	919	6	470	1	1400	52	1	8	1	1	220.2	69	1	2	1	16
8448	.6	11400	5170	43	83	1.0	8	1720	33.1	16	35	116020	1280	18	10230	489	1	350	1	1660	59	1	8	1	1	232.0	58	1	1	1	1
8449	1.0	13040	1011	32	79	.7	10	2190	7.3	13	37	72120	1120	20	12430	557	4	410	1	1400	51	1	9	1	1	193.6	45	1	2	1	2
8450	1.2	17140	206	31	62	.6	9	3540	2.0	14	43	51880	1030	34	17960	959	6	460	1	1350	64	1	8	1	1	209.7	61	2	2	2	20
8451	1.0	17340	214	37	62	.7	11	3590	1.9	14	34	65400	1020	33	18690	817	4	430	1	1450	55	1	9	1	1	210.2	57	2	2	2	8
8452	1.1	14530	349	37	60	.8	8	2960	1.7	14	35	62810	920	27	15950	668	5	350	1	1270	55	1	8	1	1	181.9	54	2	2	1	13
8453	1.0	14830	282	25	82	.8	10	2370	2.6	13	29	70680	1230	26	15270	632	5	460	1	1360	62	1	9	1	1	221.3	76	1	2	1	5
8454	1.0	11880	888	20	81	.5	9	1580	6.3	14	37	78610	1210	19	11440	442	3	350	1	1300	77	1	8	1	1	209.7	71	1	1	1	1
8455	.8	11220	792	13	94	.9	9	1110	4.5	13	36	94300	1310	17	10090	359	1	400	1	1380	66	1	10	1	1	220.1	73	1	1	1	1
8456	1.1	15640	186	17	90	.8	11	3080	2.4	11	20	49950	1310	32	15770	722	5	560	1	1420	63	1	10	1	1	227.2	53	1	2	1	16
8457	1.4	14860	365	53	89	.8	10	3070	4.4	12	26	60620	1400	28	14850	684	5	520	1	1530	58	1	9	1	1	240.7	46	2	2	2	12
8458	1.3	18960	265	67	82	.9	11	4110	1.7	12	25	52220	2040	32	18280	774	5	450	1	1410	69	1	10	1	1	214.2	59	2	1	1	20
8459	1.5	23990	196	55	94	.7	12	4090	2.3	14	31	69630	2270	41	21910	941	6	420	1	1540	76	1	11	1	1	255.0	57	2	2	2	11
8460	1.3	17870	282	54	105	.7	11	3940	2.6	15	34	52660	1370	33	18040	795	5	490	1	1600	79	1	10	1	1	224.9	51	2	2	2	23
8461	1.3	20430	284	68	99	.8	12	3700	2.8	12	28	49390	2090	38	18680	973	5	480	1	1390	61	1	13	1	1	248.3	55	2	2	2	18
8462	.3	16900	882	30	250	.9	7	1050	3.8	19	64	145250	2030	25	12000	1163	2	390	1	1500	56	1	18	1	1	225.2	88	1	1	1	1
8463	1.5	15990	328	71	102	.9	12	2530	3.6	12	33	59560	1830	28	14800	1032	6	440	1	1210	260	1	11	1	1	214.7	37	1	2	1	8
8464	1.8	21500	345	60	161	1.0	14	6200	3.3	20	39	57580	2130	31	18140	1088	4	540	2	1600	52	1	19	1	1	181.7	77	2	2	2	35
8465	1.5	19660	121	39	100	.9	14	3960	1.6	14	41	58540	1250	32	19220	1080	7	630	1	1650	61	1	10	1	1	284.6	61	2	2	2	23
8466	1.3	16910	177	92	86	.7	12	3170	.9	14	46	60960	1470	29	15210	888	5	500	1	1480	62	1	10	1	1	280.3	39	1	2	2	19
8467	1.5	17370	362	105	80	1.0	13	3670	2.8	15	36	72230	1230	38	17090	932	5	490	1	1680	52	1	8	1	1	276.2	38	2	2	2	7
8468	1.9	19710	558	222	72	.8	13	4830	5.5	14	47	68180	1110	48	19450	1724	6	400	1	1610	76	1	8	1	1	230.3	40	1	2	2	19
8469	1.0	18540	364	211	79	.8	10	5370	3.9	14	37	68720	860	46	19300	1601	6	270	1	1440	73	1	6	1	1	174.1	46	1	2	1	19
8470	1.5	16410	827	112	90	.7	11	4700	5.7	19	35	62100	1170	46	16800	1001	6	300	1	1530	75	1	7	1	1	192.2	48	1	2	1	17

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0126-RJ1+2
DATE: AUG-15-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
8479	1.1	14430	343	184	153	.9	10	4610	1.5	13	30	64240	1860	30	12110	970	5	380	1	1490	74	1	14	1	1	210.7	51	1	1	1	18
8488	9.5	3850	379	15	128	.4	3	130	.5	15	37	95360	2620	1	340	1	1	80	1	640	90	7	4	1	1	12.6	42	1	1	1	39
8489	9.0	4960	427	16	251	.4	4	50	.5	14	71	143420	3480	1	720	1	1	110	1	1670	74	17	6	1	1	35.4	46	1	1	1	1
8490	1.3	16120	157	2	111	.7	4	1240	1.3	8	49	57250	2280	30	18070	579	5	400	1	1550	54	1	7	1	1	149.4	59	1	1	1	32
8491	1.0	12240	151	19	215	.4	8	2720	.8	10	33	39060	2370	20	11000	452	4	810	1	1130	29	1	12	1	1	134.3	22	2	1	1	32
8492	.9	14450	93	44	93	.7	9	3500	.9	12	44	47210	2020	26	14940	583	6	620	1	1430	40	1	10	1	1	155.9	42	2	1	1	26
8493	1.0	19100	121	29	64	.9	10	3620	1.5	16	54	54800	1440	42	22560	701	6	530	1	1640	53	1	9	1	1	213.1	48	1	2	2	30
8494	1.2	21170	176	8	94	.9	10	3830	3.1	15	40	53850	2310	42	24540	646	6	430	4	1700	57	1	9	1	1	208.2	74	1	1	2	33
8495	1.3	18900	257	11	105	.7	10	3240	7.1	13	57	53280	2860	33	20270	509	5	310	1	1620	55	1	10	1	1	177.0	415	1	1	2	40
8496	13.4	12670	207	10	188	.9	6	2530	1.8	17	71	62910	4760	13	8310	237	2	200	1	1370	65	6	8	1	1	73.9	162	1	1	1	33
8497	22.6	11420	232	10	188	.6	5	2560	.5	15	31	56620	5990	9	4420	212	1	180	1	1420	91	15	6	1	1	55.1	65	1	1	1	49
8498	1.9	15600	115	40	81	.7	10	3650	3.1	12	39	55040	1430	30	17980	554	6	680	1	1440	62	1	10	1	1	165.0	47	1	1	1	31
8499	1.5	21250	113	14	69	.9	12	3460	1.1	13	44	56560	1530	45	25050	630	7	730	1	1450	63	1	10	1	1	218.3	59	2	2	2	39
8500	1.3	22840	121	4	62	.8	12	3750	2.0	15	47	54710	1440	51	28160	656	7	700	3	1640	59	1	9	1	1	229.4	56	1	2	2	35
8501	1.3	20360	64	4	74	.7	11	3060	2.7	13	38	57060	1470	44	25610	626	7	610	2	1650	62	1	10	1	1	234.0	48	1	1	2	29
8502	1.7	24180	71	6	82	.9	13	3660	1.8	14	41	53960	1920	50	29300	781	8	550	3	1560	70	1	10	1	1	234.2	54	1	2	2	36
8503	1.6	18070	236	37	94	.6	11	2880	.5	13	44	52840	3130	31	18920	465	5	420	1	1530	59	1	9	1	1	191.8	36	1	1	2	39
8504	1.3	17390	296	16	123	.9	9	2660	4.6	13	68	48820	3590	27	17230	409	5	340	2	1520	49	1	10	1	1	156.6	54	1	1	2	43
8505	7.4	21240	227	14	150	.9	9	3300	24.4	18	68	76820	4530	31	18890	565	5	220	1	1740	48	3	9	1	1	135.9	2076	1	1	1	40
8506	5.8	19720	256	11	149	.7	8	3610	26.2	16	64	59300	4110	29	17790	568	6	200	1	1940	58	1	8	1	1	132.7	2031	1	1	1	44
8507	8.7	19360	238	12	148	.9	6	2090	10.0	18	92	78610	4450	26	17070	605	3	150	1	1620	70	51	7	1	1	106.8	818	1	1	1	26
8508	.4	4900	76	9	136	.5	1	290	.5	11	77	42930	2270	4	2910	59	2	430	1	700	38	1	8	1	6	25.2	41	1	1	1	110
37682	1.0	28570	2	1	176	1.7	8	118790	.5	14	61	78710	2960	14	19590	3604	5	80	2	1170	47	1	71	2	1	77.0	101	1	2	1	1
37683	1.1	7490	1	8	285	1.1	7	72120	11.4	19	40	70280	3900	1	19700	4200	5	120	7	1450	57	1	35	1	1	37.7	1040	1	1	1	2
37684	.9	18450	68	3	89	1.1	7	84360	.5	21	15	100560	3070	11	18070	1838	5	90	1	1390	38	1	68	1	1	68.4	64	1	1	1	1
37685	.8	20990	47	3	78	1.4	7	79610	.5	27	51	88840	3300	12	16420	1525	6	110	1	1320	35	1	66	1	1	89.0	57	1	1	1	1
37686	.7	30980	2	1	68	1.4	8	93960	.5	23	153	96490	3360	12	18840	2442	6	70	1	1090	47	1	57	1	1	80.3	60	1	1	1	1
37688	2.6	18080	67	3	79	1.0	6	69790	.5	49	523	112950	3190	9	11050	1329	2	80	1	1060	22	1	63	1	1	43.4	52	1	1	1	1
37689	2.5	15310	30	4	59	1.1	5	31480	.7	39	235	84290	3940	7	12250	2238	10	70	16	1340	107	1	25	1	1	41.4	268	1	1	1	16
37690	5.6	16610	743	6	113	.9	6	17790	41.3	19	348	146270	3100	8	12470	2754	6	60	14	1220	892	9	21	1	1	48.7	5222	1	1	1	1
37691	1.5	10780	116	5	83	1.1	6	55420	4.8	19	201	66670	4120	3	13160	2917	4	80	13	1300	87	2	44	1	1	33.6	322	1	1	1	13
37692	.7	8310	1	6	94	1.1	6	101150	1.8	10	133	51450	3890	2	18450	3892	6	110	17	1300	51	4	88	1	1	28.1	33	1	1	1	10
37693	.7	21330	1	12	61	1.5	6	107120	.5	32	60	179800	2800	8	11270	3862	1	110	1	870	41	1	65	1	1	50.9	67	1	1	1	1
37694	1.6	8970	1104	15	18	.7	5	23520	.5	126	76	287840	970	6	9150	3956	1	50	1	430	157	1	15	1	1	34.8	92	1	1	1	1
37695	.5	24810	15	1	96	.8	6	96650	.5	48	10	78390	4220	11	14720	3371	9	110	15	1230	45	1	44	2	1	70.6	63	1	1	1	16
37696	.7	21170	10	1	297	1.0	6	88800	.5	13	5	43580	4200	10	15930	2084	6	140	8	1180	33	1	64	1	1	70.1	47	1	1	1	21
37697	1.1	21070	130	3	101	1.0	7	90320	.5	30	72	123490	2830	8	11980	3592	4	110	1	1000	90	1	49	1	1	51.5	63	1	2	1	1
37698	.5	20260	6	1	29	1.2	7	118010	.5	22	8	116360	940	9	11760	3534	6	80	1	1010	42	1	51	3	1	61.3	58	1	2	1	1
37699	.7	21460	10	3	53	1.7	9	82540	.5	54	15	158850	1580	6	16260	2393	1	100	1	1010	43	1	49	1	1	93.9	61	1	2	1	1
37700	1.1	23050	24	1	74	1.4	8	87510	.5	38	10	103680	3840	9	13030	1737	7	90	1	1030	28	1	70	1	1	129.5	46	2	1	1	1
37755	.9	20420	39	2	86	.8	4	38560	3.9	16	67	60340	4140	14	7430	1606	3	70	1	1140	63	1	27	1	1	49.0	823	1	1	1	7
37756	.9	21020	40	1	306	.6	5	41330	.5	18	37	56750	3960	16	11910	1829	3	110	1	1800	67	1	31	1	1	57.1	166	1	1	1	8
37757	1.2	18110	93	2	406	.9	5	46180	.9	23	13	53880	4090	13	10430	1838	2	110	2	1720	71	1	28	1	1	54.8	92	1	1	1	89
37758	1.5	21220	83	3	166	1.0	5	53910	10.1	22	33	48560	5140	14	10790	2173	4	140	7	1930	220	1	25	1	1	58.1	1163	1	1	1	89
37759	10.1	23420	95	4	105	1.1	6	46590	.5	40	332	97950	3700	17	9100	1470	1	100	1	1680	141	18	28	1	1	53.7	278	1	1	1	84
37760	1.1	25140	23	2	197	.9	4	49450	.5	18	41	59180	4250	19	11100	1990	3	110	5	2020	47	1	34	1	1	58.0	218	1	1	1	82
37761	.9	19510	27	5	122	1.0	6	69380	.7	18	45	52230	4820	10	7880	2566	2	100	5	1900	46	1	31	1	1	42.0	207	1	1	1	77
37762	2.0	17450	48	8	401	.9	4	64930	9.6	21	84	45700	6110	5	6190	2562	3	110	7	1920	185	2	46	1	1	40.6	1380	1	1	1	134
37763	1.1	15410	27	7	195	.9	6	59840	5.3	26	166	53550	5410	7	14020	3678	4	120	8	1890	137	1	31	1	1	58.3	660	1	1	1	21
37764	1.3	17950	39	8	163	1.2	5	49650	11.8	23	145	55090	5810	9	12120	3154	4	110	8	2010	185	1	28	1	1	63.7	1307	1	1	1	13
37765	1.8	10840	100	8	162	.9	4	65500	6.3	19	220	25850	6130	2	6590	2344	3	110	10	1450	112	1	33	1	1	27.3	742	1	1	1	47
37766	1.6	10950	176	7	125	.7	4	51400	15.0	18	182	21520	6050	3	2910	1596	2	100	11	1510	74	1	41	1	1	25.7	1680	1	1	1	62
37767	1.1	18060	93	4	156	.8	3	41440	1.8	26	159	35520	6220	10	6280	1500	2	100	7	1710	22	1	40	1	2	38.7	281	1	1	1	36
37768	1.1	14440	56	6	229	1.0	4	47610	1.0	23	101	41890	6280	7	9080	2219	1	130	11	1700	29	9	34	1	1	33.9	155	1	1	1	32
37769	.4	19060	23	4	195	1.2	6	45840	.9	24	27	50550	5700	11	15520	2790	3	150	12	1830	37	1	33	1	1	50.8	163	1	1	1	20
37770	.3	21690	17	4	189	1.0	6	44730	.5	21	11	50400	5900	13	14180	2640	3	150	9	1820	33	1	27	1	1	63.7	122	1	1	1	13
37771	.6	21500	28	3	165	.6	5	44410	.5	22	57	40380	5080	15	10640	1769	3	150	9	1830	21	1	30	1	1	61.1	147	1	1	1	21
37772	.8	26960	16	2	154	.8	6	53890	.5	27	73	53940	4730	20	14810	2054	4	120	13	3250	28	1	38	1	1	90.1	109	1	1	1	9
37773	.5	20840	17	4	136	1.0	5	43760	1.3	22	96	56580	4060	12	18860	2809	4	180	10	1620	47	1	25	1	1	92.8	109	1	1	1	8
37851	7.0	16480	18	2	66	1.0	7	80650	10.3	14	223	52750	3410	10	17770	1840	19	130	10	1510	3663	13	83	1	1	85.9	1623	1	1	1	22

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0126-R3
DATE: AUG-15-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37852	1.2	9520	3	7	105	.9	5	62700	3.0	23	7	56980	4930	3	19460	1960	6	260	10	1720	52	2	38	1	1	56.2	40	2	2	2	20
37853	1.1	8340	39	6	111	.6	3	52860	2.4	24	13	43660	4570	1	11950	1528	39	120	4	1550	183	1	58	1	1	38.2	148	1	1	1	43
37854	.3	14450	1	3	243	1.0	4	45000	2.0	22	9	55270	4590	6	17930	1214	7	250	10	1580	32	1	68	1	1	72.8	60	1	1	2	22

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0131-R31+2
DATE: AUG-16-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37812	.4	22770	1	1	62	.8	4	39850	1.1	21	48	47870	3050	16	14340	1636	4	100	3	1550	30	1	29	1	1	59.9	251	1	2	2	1
37813	.3	17800	21	1	71	.8	4	52680	1.8	20	68	50780	3050	11	11370	1925	2	50	3	1780	27	1	34	1	1	44.0	358	1	1	1	1
37814	.7	13790	31	3	71	.9	3	63850	1.7	17	118	45630	3640	7	8640	1792	2	60	4	1710	35	1	49	2	1	41.1	242	1	1	1	6
37815	.7	14070	31	3	57	1.0	4	50230	1.0	20	95	44150	3440	7	12560	2091	4	100	9	1690	33	2	32	1	1	45.5	107	1	2	2	11
37816	.3	11340	2	6	66	1.1	4	51050	2.6	20	45	45910	3840	4	13660	2493	4	120	10	1580	34	1	43	1	1	36.2	78	1	1	2	16
37873	.9	23240	320	2	81	1.2	8	5250	6.1	27	90	48380	2120	41	29260	1027	7	250	16	1610	70	8	8	1	1	180.6	176	1	5	7	36
37874	.9	10210	29	5	516	.7	2	60150	1.9	18	53	22170	3770	5	5180	1559	2	110	7	1510	28	1	58	2	1	36.3	204	1	1	1	36
37875	.3	6470	18	6	412	.5	3	79010	1.3	13	18	15050	3860	1	3650	2277	2	90	7	1330	21	1	52	2	1	22.2	53	1	1	1	41
37876	.3	14120	1	3	99	.8	3	62740	1.4	12	23	34040	3410	8	7100	2054	2	70	5	1370	25	1	67	1	1	41.2	167	1	1	1	23
37877	.4	13930	14	3	551	.9	3	52850	3.8	15	41	39750	3850	8	6990	1999	2	60	8	1040	41	1	42	1	1	41.5	556	1	1	1	19
37878	1.0	8620	1	4	105	.8	2	47760	4.1	17	83	31810	3440	3	5310	1631	2	60	3	1460	29	1	37	1	1	26.5	488	1	1	1	28
37879	4.4	12840	42	5	108	.9	4	56560	5.0	22	121	52860	3430	6	7840	2375	2	60	5	1560	88	3	42	1	1	38.1	700	1	1	1	17
37880	.5	18230	3	1	96	.8	4	57370	1.8	17	80	48830	3280	11	9130	2089	3	60	5	1520	28	1	45	1	1	48.5	365	1	2	2	9
37881	15.0	17400	38	2	83	.9	12	50730	5.1	28	133	60330	3410	11	10290	2297	2	60	6	1610	52	1	46	1	1	47.6	763	1	1	2	5
37882	1.0	20280	27	3	84	.8	4	44150	4.0	21	46	56080	3440	14	10940	2012	3	70	7	1540	26	1	45	1	1	63.9	825	1	3	2	5
37883	1.1	21990	25	2	86	.8	4	42950	7.8	26	62	63160	3530	15	10860	1980	6	60	3	1540	31	1	35	1	1	61.7	1069	1	2	2	9
37884	.4	17060	1	4	96	.9	4	47660	5.0	20	35	46560	3740	11	10250	2092	7	70	5	1470	27	1	48	1	1	50.8	598	1	2	2	30
37885	.7	18190	3	2	183	.8	3	52660	5.2	19	90	48410	3550	11	10610	1935	4	60	5	1470	32	1	50	1	1	46.1	564	1	2	2	16
37886	.7	16980	3	3	106	.8	4	49190	1.5	16	125	41050	4090	10	8860	1867	3	80	8	1430	19	1	42	1	1	38.7	225	1	1	2	19
37887	1.0	14700	1	3	98	.5	3	53170	6.8	16	167	37400	3780	9	9190	2021	3	80	8	1540	34	1	39	1	1	37.4	818	2	1	2	22
37888	.8	13400	5	3	438	.7	3	49610	4.3	17	115	33370	3550	8	9520	1893	4	90	6	1440	31	1	39	1	1	40.0	473	1	1	2	28
37889	.9	17040	1	4	115	.7	5	42060	4.7	20	106	48700	4170	11	15670	2406	4	90	9	1530	44	1	33	1	1	56.8	488	1	1	3	22
37890	.5	13370	9	3	198	.7	4	37900	2.7	18	42	41080	4280	8	11360	2177	3	70	8	1380	33	1	30	1	1	38.8	294	1	2	2	25
37891	1.0	14920	6	3	114	.8	4	38540	1.8	15	187	39990	4560	8	11440	2141	4	80	7	1540	24	1	32	1	1	39.8	83	1	2	2	24
37892	.9	18540	179	3	103	.9	5	45940	2.2	33	47	53150	4280	11	17020	2677	6	120	8	1700	41	1	41	1	1	72.5	109	1	2	3	19
37893	.9	12140	12	5	117	.9	4	47580	1.5	19	30	39480	4340	5	12890	2523	5	150	9	1550	37	2	45	2	1	53.2	150	1	1	2	16
37894	1.4	16090	1	4	318	1.1	4	37670	2.1	17	81	53040	3890	10	14340	2088	4	70	5	1650	51	2	41	1	1	54.2	249	1	1	3	16
37895	76.6	11250	602	5	119	1.0	5	49220	8.2	29	192	58470	3750	5	15220	2249	3	70	4	1470	154	6	51	1	1	45.5	536	1	1	3	22
37896	1.6	15910	70	5	84	.9	4	41550	2.8	19	62	45540	3980	9	13180	2278	4	70	5	1670	36	1	36	1	1	52.5	278	1	2	2	21
37897	.7	14630	31	4	84	1.0	4	48150	1.4	18	27	37490	4470	8	9570	2247	3	80	8	1620	22	1	39	1	1	39.5	109	1	1	2	26
37798	.1	12670	7	5	86	.8	3	61620	.9	18	30	33630	5000	5	9130	2529	2	110	10	1690	28	1	82	1	1	35.7	79	1	1	1	29
37799	.3	11180	18	4	106	.7	2	44550	1.3	13	20	15020	5130	3	2650	1019	1	80	7	1460	6	1	50	1	1	28.1	264	1	1	1	68
37800	.5	15290	36	2	88	.6	2	40210	1.0	17	19	34260	4250	8	8490	1503	2	90	5	1510	22	1	45	1	1	50.1	142	2	1	1	31
37801	.3	17840	27	17	98	1.0	4	43170	.6	19	29	41640	5010	9	13780	2368	5	150	9	1650	28	1	35	1	1	59.1	95	1	1	1	22
37802	.1	21420	7	3	99	1.1	4	41380	2.4	19	31	49530	5220	12	16790	2720	4	130	7	1690	37	1	30	1	1	72.5	91	1	1	1	18
37803	.2	15180	9	4	138	.8	3	43620	.5	20	44	35510	4460	7	10500	2073	3	110	7	1310	28	1	50	1	1	48.3	65	1	1	1	19
37804	1.9	7320	113	6	124	.4	1	41350	.5	17	176	25040	4500	1	1040	797	1	70	6	970	9	5	34	1	1	19.3	20	1	1	1	66
37805	1.6	12640	102	6	527	.8	1	43770	1.6	19	118	35230	5100	3	2270	1080	2	70	3	1040	13	6	27	1	1	29.2	258	1	1	1	52
37806	1.7	5820	126	3	200	.5	1	93560	.7	12	30	22830	2930	1	1870	2161	1	50	5	560	23	11	41	1	1	14.7	54	1	1	1	62
37807	.8	18570	4	3	115	1.2	3	44200	1.8	26	224	49300	4410	10	12710	2743	4	110	7	1700	22	1	27	1	1	67.7	111	1	1	1	7
37808	.1	27390	1	1	68	1.0	5	52480	.5	26	66	64190	3340	18	23610	3094	5	190	7	1870	48	1	38	1	1	140.4	82	1	1	1	5
37809	.4	32360	1	1	114	1.1	6	45400	.8	28	159	65260	3160	23	24530	2843	6	160	9	1810	52	1	32	1	1	143.7	176	1	1	1	4
37810	.5	22520	1	2	116	.9	4	50690	.9	22	82	45100	4340	14	17920	2383	5	120	6	1620	38	1	34	1	1	75.7	194	1	1	1	13
37811	.2	26910	1	1	86	.8	4	46800	.9	19	11	45770	4290	17	17970	1975	5	130	8	1910	30	1	31	1	1	69.7	92	1	1	1	10
37012	2.2	23650	555	1	91	.9	9	5630	12.0	30	105	60240	2840	38	28060	948	7	260	12	1690	77	8	8	1	1	168.2	498	2	2	2	32
37013	1.2	27150	492	1	68	1.2	10	5150	7.8	31	114	61550	2060	50	34820	1128	8	390	19	1880	74	11	8	1	1	213.5	181	1	2	2	50
37014	1.2	22250	249	4	68	1.2	10	4570	4.5	27	136	57080	2070	39	28080	871	8	370	11	1630	61	6	8	1	1	157.2	132	1	2	2	50
37015	1.3	24240	79	3	67	1.3	11	5520	4.5	26	149	69320	2540	42	29950	988	6	350	16	1760	72	9	8	1	1	183.2	145	1	2	2	37
37016	.1	25540	1	1	275	1.3	4	11660	2.8	19	104	61940	2680	41	29300	1157	8	430	14	2030	65	3	15	1	1	219.2	106	1	1	2	23
37817	2.0	15550	1	7	89	1.0	5	45820	.5	23	96	56450	4860	6	13730	2244	3	110	4	1750	58	4	38	1	1	46.5	89	1	1	1	13
37818	16.5	18420	21	4	71	1.1	13	56330	1.0	25	181	65370	4260	9	15860	2198	3	80	4	1710	350	5	49	1	1	68.4	152	1	1	1	14
37819	1.2	23200	28	4	74	1.3	6	77490	.6	24	112	62940	3850	14	17060	3125	5	100	6	1710	63	8	121	1	1	104.0	135	2	1	1	15
37820	.9	28940	1	1	64	1.2	5	52660	.5	27	102	63500	3750	19	19660	2542	5	110	8	1740	59	3	41	1	1	133.2	225	2	1	1	14
37821	1.3	31060	1	1	64	1.0	5	58940	1.2	29	139	67080	3900	22	18010	2011	3	80	5	1820	50	2	38	1	1	127.9	278	3	1	1	11
37822	1.0	27080	8	1	72	1.0	6	78600	3.8	26	101	64930	3980	18	17550	2691	3	100	6	1770	46	5	158	2	1	106.4	439	2	1	1	15
37823	1.0	26480	20	1	66	1.0	6	53150	2.4	26	117	60310	3740	18	18570	2154	4	110	7	1860	51	3	46	1	1	100.9	371	2	1	1	10
37874	1.2	26090	567	3	89	1.3	10	6250	7.9	32	98	57830	2550	45	31440	1097	9	290	12	1820	66	12	11	1	1	205.6	181	1	1	2	41
37875	.8	24740	413	3	89	1.5	9	5090	4.6	27	99	60930	2510	43	29490	1016	8	210	14	1820	72	14	10	1	1	156.7	108	1	1	2	47
37876	.9	22870	192	3	93	1.3	9	4810	7.1	31	158	72040	1210	46	31040	1001	7	320	14	1720	69	10	9	1	1	173.5	327	1	1	2	49
37877	1.1	25440	28	2	52	1.3	9	5750	3.5	24	139	65130	1170	54	33710	1190	7	310	16	1780	72	7	8	1	1	186.8	85	1	2	2	46

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0134-RJ1+2
DATE: AUG-18-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
8509	4.5	7170	215	16	137	.7	7	1340	1.8	10	27	46560	2210	12	5960	107	3	380	1	1250	110	1	10	1	1	117.3	54	1	1	1	48
8510	12.4	12120	262	15	121	.7	8	1700	5.0	9	31	40830	2560	27	12970	227	6	270	1	1380	117	4	8	1	1	136.9	89	1	1	1	64
8511	19.3	8050	213	24	137	.6	7	1600	1.5	8	29	35990	2650	14	6890	145	4	270	1	1240	131	1	6	1	1	99.8	46	1	1	1	53
8512	15.9	9990	256	13	138	.6	8	1150	2.5	11	42	50560	2530	20	10040	162	4	260	1	1220	107	2	7	1	1	113.3	33	1	1	1	53
8513	20.8	12780	236	14	104	.7	7	1460	2.5	8	42	41840	2210	26	13610	265	5	270	1	1350	147	3	8	1	1	126.1	42	2	1	2	80
8514	5.8	12420	267	27	217	1.0	8	1440	5.1	11	39	67700	2180	28	15390	291	5	130	1	1260	175	3	6	1	1	111.2	204	1	2	2	80
8515	5.2	13200	417	22	117	1.0	7	2560	61.1	18	109	64310	2990	26	13940	261	5	150	24	1420	204	6	7	1	1	70.3	3644	1	1	2	74
8516	1.8	10710	416	11	135	.6	7	1570	19.7	11	67	49960	2140	24	12050	247	5	190	10	980	103	2	7	1	1	71.6	989	2	1	2	98
8517	2.6	9060	422	7	126	.6	7	1270	24.3	13	91	55210	2330	17	9250	167	4	110	10	1200	136	4	6	1	1	52.3	1086	1	1	1	57
8518	3.1	12080	412	15	128	.8	6	1520	10.6	8	44	38240	2420	25	13810	272	5	90	3	1370	140	5	5	1	1	58.7	353	2	1	2	94
8519	3.6	12500	276	9	104	.5	7	1600	32.4	9	138	36680	2150	27	15100	294	6	80	7	1250	201	5	5	1	1	69.4	690	2	1	2	128
8520	5.6	12910	424	8	101	.6	7	1550	13.9	8	153	39940	2390	27	15150	295	5	70	1	1360	249	6	5	1	1	66.3	149	1	1	2	105
8521	12.2	9790	698	16	182	.8	7	760	9.2	10	152	68120	3050	16	9610	199	4	80	1	1190	447	16	5	1	1	55.6	150	1	1	1	27
8522	16.8	14280	637	10	140	.9	9	1430	13.8	10	170	57000	2270	30	17280	401	5	60	1	1250	1066	29	5	1	1	76.7	316	2	1	2	121
8523	17.5	12850	665	26	186	1.2	9	660	8.3	13	127	90260	2160	25	15200	364	5	80	1	1280	1456	27	6	1	1	75.6	408	2	2	2	82
8524	16.2	8410	640	13	260	1.2	6	520	3.6	13	103	106650	2700	13	7640	151	3	70	1	990	911	27	6	1	1	48.6	242	1	1	1	10
8525	6.2	8800	712	8	284	1.0	7	630	4.7	10	92	78080	2380	15	8760	192	3	70	1	1290	419	10	8	1	1	65.2	227	1	1	1	53
8550	.6	12520	16	7	46	1.2	6	2350	.5	19	191	162000	240	12	11950	404	2	100	1	1550	19	1	2	1	1	92.8	43	2	1	1	1
8551	.1	2870	9	1	84	.3	1	620	.5	10	66	24360	250	4	2750	86	1	180	14	260	1	1	2	1	1	31.9	12	1	1	1	166
8552	1.8	6350	1	19	4	1.2	9	4740	.5	24	222	135760	40	3	6210	195	34	20	1	2070	11	1	3	1	1	132.2	30	1	1	1	20
8553	6.9	15710	764	1	76	1.0	11	16610	4.3	35	217	70820	980	27	12020	511	5	230	45	630	26	7	13	1	1	102.9	39	1	1	1	61
8554	.4	15750	65	1	71	.9	5	3370	.8	15	107	59260	1850	25	12920	417	4	360	1	1510	19	1	5	1	1	101.4	29	1	1	1	1
8555	.3	10420	22	3	27	1.3	4	190	.5	17	415	136860	230	8	9710	225	36	150	2	640	20	1	2	1	1	141.1	46	1	1	1	2
8556	1.2	13260	14	1	145	.6	3	1540	.9	10	958	46370	1020	14	12090	204	40	300	1	1090	14	1	8	1	1	91.8	41	2	1	1	36
8557	2.1	4340	434	11	28	.8	1	310	.5	231	787	224510	210	4	3360	1	2	30	1	260	14	1	1	1	1	43.6	48	1	1	1	1
8558	1.4	4110	7	6	3	1.1	4	2500	.5	171	1647	156240	40	5	9720	7	3	10	37	440	25	1	1	1	1	12.5	42	1	1	1	1
8559	1.5	4110	1	3	84	.3	3	2010	.7	35	775	38750	2190	3	1810	18	23	340	1	360	21	1	3	1	1	50.8	49	1	1	1	57
8560	.4	10810	19	1	65	.7	4	2120	.5	35	223	61260	870	12	11950	196	4	180	11	410	13	1	6	1	1	28.1	34	2	1	1	114
8561A	.2	7550	7	1	64	.6	2	770	.5	15	270	33390	990	8	8240	83	3	160	14	220	7	1	3	1	1	15.3	24	1	1	2	175
8561B	1.0	13390	16	72	110	1.5	7	2770	.5	39	411	167180	660	15	12230	164	1	120	1	670	34	3	2	1	1	127.5	50	2	2	1	2
8563	.3	5480	146	9	24	.6	4	570	.5	28	39	167570	3270	4	1780	1	1	110	1	370	22	6	6	1	1	17.4	25	1	1	1	1
8564	1.3	8880	1	8	27	.5	4	1280	.5	288	234	203350	770	15	9440	126	1	190	1	750	16	1	6	1	1	79.0	42	1	1	1	1
8565	1.2	6010	14	2	55	.6	10	3470	1.0	9	322	18860	1520	8	6330	110	4	180	7	340	2	1	3	1	1	75.0	14	1	1	2	162
8566	1.0	2420	110	1	68	.3	3	1070	1.3	19	621	34370	1190	3	1350	48	1	100	8	170	1	1	3	1	1	53.4	15	1	1	1	152
8567	.4	10500	1	8	37	1.0	3	4060	.5	102	516	127760	2890	14	3730	41	1	300	1	1130	10	1	8	1	1	47.4	33	1	1	1	1
8568	4.0	3210	1	15	28	.1	101	1260	.5	67	682	321900	310	5	3990	1	1	20	1	270	25	1	5	1	1	7.9	100	1	1	1	1
37824	.2	15620	1	4	168	1.0	4	11010	.7	18	99	53650	2780	13	6690	1138	4	170	7	870	36	1	40	1	1	28.1	72	1	1	1	6
37825	.4	18410	1	1	174	.9	3	13750	.5	14	44	50020	3260	14	7190	659	4	180	3	2240	14	1	23	1	1	33.3	68	1	1	1	14
37826	.7	18490	1	1	139	1.2	4	9480	.6	13	59	46850	3590	13	10290	657	4	130	2	630	19	1	18	1	1	44.2	59	1	1	1	1
37827	.3	13770	4	1	165	.8	5	1430	.5	8	42	35710	3380	11	5930	217	3	180	1	870	13	1	8	1	1	24.2	32	1	1	1	2
37828	.5	20170	1	1	149	1.2	5	5850	.5	12	112	38740	3900	15	9310	555	3	140	7	2760	11	1	18	1	1	30.9	55	1	1	1	1
37829	.2	14970	12	1	186	.6	3	16330	.5	16	38	51810	2430	13	6100	726	3	170	3	750	14	1	23	1	1	41.6	50	1	1	1	1
37830	.3	17940	1	1	109	.9	4	6710	.5	22	74	53090	2780	15	7300	436	3	100	3	700	11	1	12	1	1	50.4	59	1	1	1	1
37831	.8	13060	1	3	113	.8	3	13800	.5	21	85	53250	3380	9	4980	760	2	150	4	1700	33	2	22	1	1	30.8	38	1	1	1	1
37832	.1	15060	1	1	166	.7	4	3850	.5	12	66	40630	3110	11	5610	652	3	210	2	1860	9	1	10	1	1	19.7	50	1	1	1	1
37833	.5	7240	24	3	171	.7	4	590	.5	11	22	58160	2740	3	1430	80	1	100	1	480	16	2	5	1	1	20.4	22	1	1	1	1
37834	.2	10250	11	4	240	.8	3	1300	.5	14	82	58900	3700	4	2020	179	2	70	1	590	2	1	6	1	1	19.6	34	1	1	1	1
37835	.5	3490	20	1	100	.5	3	26460	1.8	7	5	15220	960	4	8360	658	4	400	10	380	24	2	44	3	1	16.0	51	1	1	1	83
38068	1.4	15290	1	1	116	.9	7	10440	2.3	26	170	80830	1630	25	19160	529	6	270	4	1630	65	3	13	1	1	164.6	135	1	1	1	1
38069	1.4	16830	1	2	84	.9	8	6700	3.0	28	173	84290	1530	29	22610	567	6	270	7	1490	66	4	12	1	1	153.1	198	1	1	1	1
38070	1.2	15000	1	2	79	.8	7	7780	1.7	23	150	73540	1860	24	18700	488	6	310	6	1660	48	3	14	1	1	153.0	79	1	1	1	1
38071	.7	15040	1	1	78	.9	7	10450	3.2	23	139	70350	1550	24	19440	547	5	290	3	1540	51	4	31	1	1	150.1	88	1	1	1	1
38072	1.3	16110	1	5	94	.9	7	7240	.5	26	149	82870	3300	22	16780	436	5	210	5	1710	60	3	17	1	1	116.0	112	1	1	1	1
38078	.8	10340	1	1	50	.7	3	45740	3.5	15	115	37610	3280	8	10540	2364	4	80	8	1310	21	1	59	1	1	31.7	304	1	1	1	27
38079	.9	13580	1	1	74	.9	4	42780	2.2	21	83	44710	3850	11	15060	2695	5	100	9	1420	21	2	38	1	1	45.1	130	1	1	1	9

COMP: BCAD GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0136-RJ1+2
DATE: AUG-18-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37836	.6	1120	79	1	87	.1	1	160	.5	1	6	7230	530	1	80	44	3	30	1	80	33	1	3	1	1	3.8	101	1	1	1	138
37837	1.9	540	83	1	67	.1	1	120	.9	1	3	3950	310	1	20	59	2	20	1	50	95	10	1	1	1	2.1	49	1	1	1	123
37838	124.9	24640	61	7	35	1.3	25	5410	103.6	79	1929	252250	1790	8	9170	1005	2	20	1	1290	51582	178	8	1	1	129.2	16797	1	2	1	1
37839	4.0	13070	15	9	9	.9	1	720	.5	53	447	321840	640	5	4540	370	1	10	1	570	253	3	1	1	1	36.0	166	1	1	1	1
37840	3.0	26150	2	1	16	1.3	3	1690	.5	27	446	236420	950	12	9620	1844	1	10	1	730	137	1	1	1	1	60.0	153	1	1	1	1
37841	4.9	2960	493	3	1814	.3	1	90	2.7	3	13	17550	1660	1	210	18	1	40	1	290	285	37	8	1	1	9.5	43	1	1	1	92
37842	5.5	1180	22332	5	128	.7	1	1030	296.7	21	364	78380	520	1	130	1	3	20	1	200	319	550	8	1	1	4.4	7106	1	1	1	82
37843	4.1	1620	344	11	185	.4	4	71180	554.4	12	28	13860	910	1	960	1295	12	30	7	500	61	20	89	1	1	6.5	59851	1	2	5	66
38080	.6	15250	51	1	70	1.4	5	44820	4.0	24	92	52350	3930	11	17630	2937	5	130	11	1640	41	1	32	1	1	59.4	254	1	1	1	1
38081	.5	9630	41	4	87	1.3	4	53220	3.2	24	57	48280	4890	4	16800	2822	5	160	8	1620	37	1	42	1	1	42.9	208	1	1	1	1
38082	.9	11040	28	3	79	1.1	4	43310	5.7	22	96	46640	3960	7	15050	2495	6	150	9	1430	30	1	34	1	1	42.8	675	1	1	1	1
38083	.8	12690	45	5	73	1.4	6	55780	5.9	23	79	60270	4480	8	18080	3366	7	120	8	1720	39	1	31	2	1	50.3	723	1	2	1	1
38084	.4	12560	44	4	75	1.3	4	48260	4.2	25	61	51320	4550	7	14450	2989	5	110	8	1670	31	1	33	1	1	46.8	486	1	2	1	1
38091	.5	13300	21	3	62	1.2	5	39830	2.2	23	75	53820	4630	8	14360	2720	4	80	7	1560	35	1	25	1	1	44.7	264	1	1	1	1
38097	.9	18460	235	1	66	1.2	8	6840	4.2	26	120	63800	1390	37	23880	808	7	230	13	1620	64	3	6	1	1	156.1	169	1	2	1	11
38098	1.4	20470	974	4	58	1.5	7	7480	8.5	45	160	79770	1740	40	24270	864	7	300	7	1540	86	3	7	1	1	130.3	98	1	2	1	1
38099	1.0	20400	285	2	61	1.2	9	5670	3.5	26	94	57280	1870	40	26240	766	9	350	11	1650	62	4	7	1	1	162.4	74	2	2	2	27
38100	1.0	23300	445	1	47	1.4	9	10060	4.7	27	78	53700	1200	50	30570	941	9	330	13	1710	61	6	9	1	1	175.6	64	2	2	2	34
38501	1.0	23500	311	1	61	1.4	10	8550	2.7	28	91	61860	1320	51	31170	916	8	360	14	1730	68	2	9	1	1	197.4	88	1	2	2	10
38502	.8	21870	469	1	54	1.5	9	9700	5.0	29	83	59610	1180	46	28500	842	9	390	13	1730	75	3	9	1	1	172.7	66	1	2	2	23
38503	1.1	23550	429	1	59	1.5	8	6740	5.2	29	116	61130	1310	48	30790	852	9	360	15	1670	85	4	10	1	1	165.2	74	2	2	2	12
38504	.9	22850	208	1	43	1.5	8	7420	4.3	28	149	64730	1240	46	29870	836	9	350	14	1620	71	3	10	1	1	167.0	100	1	2	2	5
38505	1.0	30250	382	1	45	1.7	10	9840	3.7	27	117	59170	1350	67	37370	1168	10	350	17	1740	78	7	10	1	1	182.7	67	1	2	2	1
38506	.9	30890	296	1	50	1.6	9	8000	5.3	31	121	68080	1730	67	37390	1095	9	520	17	1790	81	5	11	1	1	221.4	63	1	2	2	4
38512	1.4	20910	181	6	130	1.7	5	9040	.5	29	266	100780	4530	33	18940	515	5	270	2	1700	74	1	18	1	1	100.9	96	2	1	1	1
38513	1.7	15460	223	8	216	1.3	3	10060	.5	31	251	100160	5340	17	9950	337	2	140	1	1850	65	1	13	1	1	63.8	52	1	1	1	1
38514	.4	18130	136	6	210	1.3	2	5600	1.8	22	152	71840	4850	24	15030	460	5	140	4	1870	36	1	11	1	1	77.4	93	1	1	1	4
38515	1.3	20780	214	5	184	1.5	3	4910	2.2	25	145	70110	4830	30	18740	585	6	130	8	1930	44	5	11	1	1	84.9	101	1	1	1	3
38516	1.3	19310	267	5	179	1.1	3	11860	1.9	23	136	66660	4860	25	16130	804	5	120	9	1740	82	2	15	1	1	72.4	60	1	1	1	2
38517	.9	24530	201	3	129	1.3	6	6260	3.5	24	148	70850	3440	43	26130	1116	6	170	9	1880	77	5	13	1	1	134.0	164	1	2	1	1
38518	1.5	23360	73	5	166	1.2	6	6140	30.8	19	111	57920	4140	37	23120	1073	8	160	7	1660	89	9	16	1	1	97.8	3653	1	1	1	2
38519	18.1	14640	208	7	215	1.0	3	3770	5.9	23	106	66640	5070	16	9670	425	5	90	5	1710	101	4	12	1	1	51.4	548	1	1	1	6
38520	17.5	11730	217	6	181	.7	3	4470	3.9	22	106	74290	4760	11	6390	395	4	90	1	1680	125	14	13	1	1	38.0	217	1	1	1	12
38521	7.8	16470	113	7	226	.7	4	3830	35.0	23	152	62420	5870	16	9560	630	5	120	7	1660	155	39	13	1	1	60.5	2622	1	1	1	28
38522	81.1	13110	201	7	201	.6	4	4390	30.5	22	393	73640	5680	11	5910	495	3	120	3	1600	369	150	15	1	1	45.9	2020	1	1	1	18
38523	40.8	15020	165	6	172	.8	4	4070	22.9	20	127	77020	5200	17	9760	846	4	130	2	1640	227	8	15	1	1	53.8	1453	1	1	1	20
38524	19.4	18940	215	6	172	1.0	5	7550	49.3	22	126	65980	4670	32	16150	1482	6	140	10	1740	229	9	24	1	1	63.8	2947	1	1	1	18
38525	10.4	17540	174	7	199	1.1	5	4700	58.1	26	121	69500	5490	21	13720	1133	5	170	8	1720	272	7	23	1	1	63.2	3426	1	1	1	13
38526	31.1	13060	198	7	182	.8	3	7610	24.2	23	107	64330	5340	12	7420	972	3	100	5	1660	201	3	28	1	1	42.5	1470	1	1	1	27
38533	125.9	12960	225	9	145	.8	8	5720	24.6	20	526	77770	5400	12	8130	1099	4	140	3	1460	775	30	23	1	1	44.2	1282	1	1	1	35
38534	46.6	8430	145	7	141	.7	3	4660	7.2	19	95	66470	4420	5	3080	576	3	70	2	1520	303	2	19	1	1	26.8	472	1	1	1	19
38535	45.3	8560	234	8	109	.6	5	6880	5.9	23	175	94190	4410	5	4180	666	2	80	1	1370	425	39	25	1	1	28.2	356	1	1	1	26
38536	42.5	8180	185	6	90	.7	4	9140	8.4	19	168	73990	3750	7	4240	804	7	60	1	1350	323	16	15	1	1	26.2	462	1	1	1	8
38537	64.5	7360	192	6	153	.3	2	4740	1.8	19	38	70070	4130	3	1620	171	6	60	1	1530	121	1	11	1	1	23.1	114	1	1	1	16
38538	25.7	5960	243	7	89	.7	3	4180	2.7	25	68	85200	3550	2	970	99	2	50	1	1440	80	1	10	1	1	18.0	136	1	1	1	1
38539	39.2	7550	389	9	119	.6	7	4370	26.1	27	1026	90900	4400	2	1060	119	2	80	1	1420	740	13	10	1	1	25.0	1625	1	1	1	10
38540	39.7	12640	182	9	76	.8	6	8500	41.2	23	423	82560	5620	12	6030	619	41	110	2	1360	284	48	14	1	1	37.6	2526	1	1	1	1
38541	36.0	11130	220	9	100	.5	4	4680	9.9	21	99	81350	5730	6	2950	292	3	80	1	1540	287	7	13	1	1	36.4	625	1	1	1	17
38542	22.4	11840	196	9	164	.7	3	3980	6.6	20	81	76410	5660	8	4270	451	2	80	1	1430	263	3	12	1	1	35.0	450	1	1	1	10
38548	1.0	15170	1342	1	86	1.0	4	17750	22.7	42	99	56270	2180	30	17990	899	7	380	74	1080	69	5	18	1	1	90.7	726	1	1	2	137
38549	2.3	17330	1141	1	101	.9	4	17290	15.5	26	77	45640	2480	33	20410	766	6	430	45	1020	58	6	19	1	1	107.3	349	1	1	2	141
38550	.9	17140	19	1	95	.9	5	20190	1.6	13	93	52310	2400	32	21210	745	6	420	54	1130	57	4	22	1	1	117.1	138	1	1	2	86
38551	1.4	16430	3	3	88	1.1	5	20200	3.1	14	128	64080	2970	28	19130	833	5	310	50	1130	50	5	26	1	1	97.7	153	1	1	1	62
38552	3.9	16280	24	4	112	1.0	5	20960	2.9	16	138	67190	3280	24	16700	1449	7	280	53	1120	59	9	34	1	1	82.6	202	1	1	1	50
38553	9.3	6270	268	11	121	1.0	6	60250	98.6	12	55	46990	2660	5	13090	4195	7	260	24	1080	479	24	122	1	1	39.1	4999	1	1	1	7
38554	38.7	2410	631	16	47	.9	7	141070	633.8	15	84	24910	990	3	5650	2535	11	70	16	500	715	167	141	3	1	14.3	44214	1	2	3	19
38555	24.7	11430	676	11	93	1.0	6	50540	274.5	17	81	49990	2200	15	13440	1224	8	210	17	1250	66	81	37	1	1	54.8	21066	1	2	2	1
38556	5.5	17800	1	1	80	1.1	7	17790	4.3	16	111	68350	1780	29	23460	594	7	330	15	1640	40	12	14	1	1	164.9	356	1	1	1	15
38557	4.2	16720	57	3	165	1.0	5	9030	8.7	21	137	80160	2630	25	19150	531	6	310	4	1540	61	8	15	1	1	139.5	627	1	1	1	1
38558	2.5	13750	158	2	128	.8	7	18280	4.4	26	156	81300	1580	22	15730	691	4	350	1	1590	41	4	11	1	1	129.7	146	1	2	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0139-RJ1+2
DATE: AUG-18-89
• TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
8544	2.6	3490	57	4	75	.4	1	320	.5	17	82	60910	2010	1	450	1	2	50	1	710	27	41	3	1	1	8.3	28	1	1	1	1
8546	5.6	10620	147	2	75	.7	6	1790	3.6	20	414	63500	1990	18	10490	717	6	80	6	1320	32	216	6	1	1	29.2	244	1	1	1	1
8547	2.0	10230	68	2	88	.7	5	1440	1.8	18	108	60150	2440	15	9270	647	6	90	4	1470	41	57	7	1	1	30.0	116	1	1	1	1
8548	1.9	7800	54	2	76	.7	3	900	1.7	20	138	63520	2040	10	6220	454	8	50	1	1170	46	42	5	1	1	19.6	416	1	1	1	1
8549	2.7	20820	13	1	61	.9	7	2950	3.9	23	168	57260	1410	43	24000	2097	9	70	13	1340	59	42	7	1	1	48.0	560	1	2	1	1
38073	1.3	16710	191	3	103	1.0	6	9800	5.0	32	173	71530	2320	27	20110	562	5	210	7	1720	48	1	23	1	1	128.7	261	1	1	1	1
38074	1.9	18980	29	1	143	1.1	6	15940	2.5	22	141	70340	1610	33	23290	717	6	230	6	1550	55	1	25	1	1	151.0	111	1	2	1	1
38075	1.4	16720	125	2	120	1.0	5	8530	2.1	24	168	70600	2670	23	18520	496	7	220	4	1700	51	1	16	1	1	111.2	190	1	1	1	1
38076	1.9	14940	3	1	66	1.0	5	10760	1.7	24	178	72070	1860	23	19000	573	6	230	5	1700	52	1	23	1	1	111.3	124	1	1	1	1
38077	9.0	8050	1408	3	69	1.1	5	32640	17.4	23	142	65540	2440	8	16080	1134	4	150	33	1300	190	19	107	1	1	38.9	339	1	1	1	1
38085	1.0	11940	23	2	57	1.0	4	40720	5.3	21	58	54590	3310	9	14730	2864	4	100	5	1620	47	1	30	1	1	44.4	758	1	1	1	1
38086	2.1	10660	27	3	61	1.0	4	33980	7.4	21	120	63880	2810	7	12570	2840	4	90	4	1530	72	3	26	1	1	39.2	931	1	1	1	1
38087	.9	11120	1	2	58	.9	4	33120	1.7	15	83	51710	3210	7	12740	2924	4	80	6	1520	54	1	31	1	1	36.2	314	1	4	1	1
38088	1.7	11000	1	2	68	1.0	4	34480	2.6	16	194	50550	3390	7	12100	3031	4	80	8	1390	32	2	29	1	1	33.7	249	1	1	1	1
38089	.8	10370	1	2	48	1.1	4	39860	2.7	15	107	45620	3570	7	14710	2902	5	90	10	1520	31	1	29	1	1	37.3	116	1	1	1	1
38090	.9	13700	20	2	55	1.0	5	39680	1.7	22	62	58240	4100	10	14380	2777	5	90	7	1540	34	1	28	1	1	44.0	219	1	1	1	1
38092	1.3	23620	305	1	85	1.1	8	4290	7.2	26	94	51990	1400	45	31600	1228	7	260	14	1590	63	12	8	1	1	183.9	205	1	2	2	14
38093	1.1	18870	405	1	64	1.2	7	7190	7.9	24	103	58460	1170	38	26950	1075	7	230	13	1530	62	15	7	1	1	140.5	157	1	2	1	9
38094	.7	19480	397	1	63	1.1	7	3850	5.0	24	112	58430	1700	36	24400	864	8	180	11	1590	66	7	7	1	1	125.6	137	1	1	1	3
38095	.8	18790	171	1	54	1.1	8	8310	3.5	26	115	61980	910	37	26090	888	8	200	11	1540	90	12	8	1	1	146.3	86	1	1	1	6
38096	1.0	14710	239	3	43	1.1	7	7380	12.5	28	145	70560	1000	28	18790	658	6	230	7	1580	68	3	7	1	1	126.0	823	1	1	1	1
38507	.8	26000	431	1	39	1.3	8	6190	7.5	37	124	65400	1360	54	34260	883	9	440	13	1550	84	5	12	1	1	195.0	74	1	2	2	5
38508	2.6	28680	214	1	79	1.6	9	30580	20.1	30	171	56800	1370	72	35200	1295	60	300	72	1320	116	37	27	1	1	148.4	418	1	2	2	136
38509	2.1	22220	247	1	128	1.2	5	11340	4.1	22	94	45460	3530	37	25480	749	8	230	63	1400	59	12	21	1	1	89.4	59	1	1	2	85
38510	.4	18600	126	1	78	1.2	6	6910	3.4	22	137	53960	1580	37	23850	607	6	390	11	1760	45	2	13	1	1	199.9	80	1	1	1	5
38511	.8	23710	219	1	150	1.3	7	15390	4.3	26	171	63260	1520	50	28960	971	9	300	19	1380	60	8	15	1	1	139.1	203	1	1	1	1
38527	24.0	15350	310	7	121	1.1	4	11080	82.5	21	171	63950	3980	18	14800	1262	7	120	8	1660	564	6	48	1	1	52.8	4519	1	1	1	1
38528	18.9	7420	239	7	141	.8	3	13180	10.0	20	102	67970	4440	3	4790	1127	2	70	3	1620	181	18	75	1	1	24.1	574	1	1	1	12
38529	25.9	8340	234	5	132	.7	2	7610	13.3	22	106	66840	3990	7	5200	660	4	70	2	1690	191	8	37	1	2	25.9	811	1	1	1	1
38530	89.0	14550	168	4	125	1.3	4	5370	34.7	23	146	78530	3710	23	13530	1110	6	70	3	1800	398	3	21	1	1	40.7	2061	1	1	1	1
38531	47.2	14870	159	7	123	.8	5	4630	40.7	27	175	89180	3620	20	12940	1485	4	80	4	1490	578	6	18	1	1	44.9	2241	1	1	1	1
38543	57.5	8560	205	7	129	.9	3	4320	5.7	22	158	77330	4050	5	3410	489	2	40	1	1580	434	3	10	1	1	28.4	353	1	1	1	1
38544	67.6	11300	134	9	182	.9	3	4450	9.7	23	100	60430	5240	6	4090	525	3	60	4	1710	371	3	10	1	1	38.7	667	1	1	1	3
38545	20.3	12630	145	6	145	.6	6	4590	6.6	21	180	64270	4230	12	8700	1079	4	60	6	1780	379	6	9	1	1	41.4	308	1	1	1	5
38546	7.7	15460	153	7	160	.9	6	4570	10.7	26	206	64910	4490	17	12200	1516	5	80	9	1770	353	6	9	1	1	55.2	577	1	1	1	3
38547	11.3	19680	61	6	189	1.1	7	4890	171.2	21	236	56640	4420	24	18140	2254	9	80	11	1930	267	11	13	1	1	78.1	10976	1	2	1	10
38563	.7	15580	116	1	76	1.1	5	17790	5.2	20	116	58760	1240	25	19900	846	4	300	1	1810	40	1	12	1	1	154.2	191	1	1	1	1
38564	.9	17000	538	1	60	1.2	5	10250	7.0	47	174	102310	1350	25	20010	789	4	240	1	1670	64	1	10	1	1	138.2	173	1	1	1	1
38565	.4	14620	65	1	56	1.2	4	17100	2.7	20	102	62730	1640	21	19250	1010	5	310	6	1690	51	2	51	1	1	118.9	88	1	1	1	1
38589	.8	12880	1	1	92	.7	6	25260	2.0	17	80	44480	750	22	15090	1207	5	750	8	1390	48	1	12	1	1	147.5	37	1	1	1	29
38590	1.0	13090	1	13	118	1.0	7	17720	1.9	31	153	72590	960	22	16110	849	4	370	4	1370	61	1	10	1	1	117.2	83	1	1	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0143-RJ1+2
DATE: AUG-19-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
38591	.3	16510	4	1	92	1.2	11	5350	.4	26	142	74260	1860	24	18640	835	4	840	1	1570	47	5	12	1	1	124.7	92	3	6	7	11
38592	1.1	17060	1	1	73	1.3	14	10020	1.7	31	159	72100	1730	24	19560	1090	5	860	3	1460	46	6	12	1	1	152.1	90	3	6	6	1
38593	1.0	18360	2	1	76	1.1	15	12330	.7	29	88	60200	1430	27	20490	1319	7	1230	7	1600	62	7	13	2	1	166.3	49	2	8	8	28
38594	.8	15380	1	1	85	1.0	15	16780	.9	33	107	54690	1250	25	18570	1319	5	1110	11	1430	51	4	12	2	1	164.1	59	2	8	7	29
38595	1.2	15530	16	1	117	1.3	15	9950	.7	32	112	53830	2440	23	17540	978	6	800	17	1470	40	6	14	1	1	143.1	94	3	8	8	50
38596	1.1	13840	6	1	91	.9	14	14460	.8	21	80	48020	1280	21	16080	1066	4	1020	11	1590	40	5	12	2	1	160.7	54	4	8	8	54
38597	.6	15090	11	1	127	1.2	12	9940	2.5	22	109	56100	1900	21	16360	959	12	1120	6	1560	50	4	14	2	1	136.8	69	3	6	7	36
38598	.3	13520	2	1	65	.9	11	8730	1.4	16	81	41110	1250	19	15380	910	7	1050	6	1520	31	4	13	1	1	139.2	37	3	5	6	26
38599	.1	17050	1	1	126	1.2	11	11730	3.4	20	100	55710	1190	28	20850	1320	6	900	8	1580	41	5	19	1	1	176.3	104	2	6	7	11
38600	.2	20090	2	2	76	1.4	8	15410	1.4	24	135	69640	1760	29	22340	1473	5	870	9	1350	39	6	18	2	1	168.7	72	2	7	7	2
38601	.1	19530	10	6	79	1.5	8	12820	1.1	25	168	83990	2290	28	20060	1388	4	660	3	1570	46	4	20	1	1	130.1	88	2	6	5	1
38602	.5	17730	44	6	82	1.5	9	5410	.8	41	320	128020	2510	25	18200	799	3	430	1	1290	38	4	23	1	1	93.3	198	3	5	3	1
38603	.5	20050	3	3	92	1.3	10	11800	1.9	19	158	61540	2800	29	21330	1171	6	580	6	1780	45	5	21	2	1	147.5	65	3	5	7	3
38604	.5	19520	3	1	109	1.2	11	7770	.7	19	146	58030	1710	29	22470	1428	6	840	9	1970	60	6	18	1	1	183.0	68	3	6	7	19
38605	.5	19610	5	1	79	1.3	10	10540	1.6	19	139	54830	1470	28	22170	1569	6	970	9	1890	64	8	17	2	1	179.1	52	3	5	7	22
38606	.8	16800	4	1	99	1.2	11	23310	1.1	26	143	56930	2000	23	17900	1789	7	620	9	1680	55	7	29	3	1	145.6	49	3	7	7	6
38607	.7	20650	20	8	92	1.7	12	11060	.6	34	218	80660	2860	27	21080	1366	6	450	10	1790	60	6	22	1	1	129.3	109	3	6	7	5
38608	.2	20140	1	5	126	1.3	10	11780	1.7	24	169	63330	2530	27	21000	1303	7	590	15	1750	43	6	24	1	1	149.5	62	2	4	7	19
38609	2.9	19520	35	1	111	1.7	27	14940	1.2	28	216	80440	1840	28	20650	1282	5	510	6	1530	72	10	28	2	1	129.7	100	2	9	6	1
38610	1.1	18420	12	2	134	1.4	15	11100	.1	19	204	67710	2640	27	19500	918	6	600	7	1670	48	6	23	1	1	136.7	66	3	7	6	3
38611	2.6	22960	58	1	77	1.7	20	14590	.1	28	322	109640	1560	35	25800	1252	5	710	3	1460	61	7	19	1	1	146.8	73	3	10	7	1
38612	1.7	24300	111	4	109	1.6	17	10690	.2	24	274	97590	3710	32	24130	1103	7	410	1	1750	54	8	24	1	1	123.2	92	3	7	6	1
38613	6.6	21660	77	2	97	1.5	27	8900	.1	24	340	105230	3120	28	21350	972	6	290	1	1280	308	11	23	1	1	96.9	192	3	6	5	1
38614	1.4	19960	217	4	113	1.4	9	9280	2.2	22	216	78230	4280	22	18050	800	5	200	4	1540	66	8	25	1	1	75.2	448	3	4	5	5
38615	2.4	26080	12	1	123	1.6	11	12360	2.3	19	259	68360	2240	39	29980	1261	7	510	10	1660	88	8	27	1	1	172.4	147	2	6	8	8
38616	3.1	25530	37	1	96	1.8	14	8890	2.3	30	370	90880	2830	36	26840	1066	10	440	6	1630	90	9	25	1	1	147.8	208	3	11	7	1
38617	1.2	16540	10	1	90	.9	8	57010	.1	13	31	45040	2920	9	13120	1854	8	90	5	1240	33	3	32	4	1	61.9	92	2	2	5	4
38618	1.7	13180	17	1	86	1.1	8	72780	.9	17	10	58920	2830	8	13010	2092	9	90	2	1280	34	4	36	5	1	46.1	47	3	3	4	7
38619	1.8	12610	17	1	85	.9	7	51920	.3	15	6	45820	2930	8	11510	1305	6	90	1	1180	13	2	37	4	1	49.1	44	3	2	4	7
38620	1.1	10890	7	1	77	1.0	6	49020	.1	16	4	43690	2820	6	12330	1329	4	90	1	1290	13	2	30	4	1	46.2	36	3	3	4	17
38621	.8	13600	16	2	120	1.0	8	50950	2.0	16	4	48610	4090	6	14250	1516	4	130	4	1490	27	1	32	6	1	51.0	43	4	8	5	17
38622	1.5	14250	79	1	131	1.0	9	61050	2.1	16	121	57170	3730	7	13580	1703	5	120	3	1310	34	5	39	6	1	51.4	246	4	9	5	4
38623	1.1	24940	3	1	133	1.4	10	55030	.1	16	159	67440	4870	13	14270	1789	7	120	5	1380	43	3	33	6	1	90.6	99	4	10	5	5
38624	2.0	27560	25	1	100	1.6	11	57230	1.2	20	232	92150	4630	13	14850	2362	4	110	5	1290	137	7	30	5	1	83.9	400	4	11	4	1
38625	.9	25630	18	1	107	1.3	10	61200	.2	14	145	61310	4890	12	13460	2053	6	110	7	1330	55	2	30	6	1	81.2	142	4	9	5	7
38626	1.6	24750	19	1	77	1.2	11	74660	.1	26	285	93400	3950	12	14580	2140	6	140	1	1190	36	5	34	7	1	73.5	62	5	9	5	1
38627	.9	27130	27	1	87	1.2	10	65990	.8	18	189	66160	5000	13	12660	1501	6	180	3	1190	28	4	31	6	1	69.7	59	5	10	5	10
38646	.6	17800	21	1	99	.8	7	34870	2.4	11	78	50030	5390	6	14190	2026	5	80	10	1440	23	2	19	5	5	59.2	105	4	9	5	19
38647	1.1	15250	21	2	104	1.2	7	54410	1.7	14	98	51400	5510	5	12730	2267	5	80	13	1550	38	8	52	6	2	48.1	172	3	8	4	10

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0147-RJ1+2
DATE: AUG-22-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
37849	2.3	2250	121	2	72	.2	1	290	3.1	2	44	7410	1190	1	260	29	3	60	1	240	594	1	11	1	1	6.0	227	1	1	1	130
37850	.3	3670	312	3	188	.5	1	240	.5	6	10	30030	2030	1	290	158	6	60	1	720	51	1	8	1	1	8.7	107	1	1	1	117
37941	.1	1060	1	1	2338	.2	1	31050	.6	3	2	5020	710	1	920	731	1	30	2	150	7	1	346	1	2	3.6	8	1	1	1	25
37942	1.7	2090	159	2	374	.5	1	6400	1.0	7	13	30520	1080	1	830	392	2	30	1	290	60	1	25	1	1	4.9	43	1	1	1	125
37943	.8	4880	92	2	2891	.5	1	6710	.5	6	13	24350	2110	2	700	237	7	40	1	680	102	1	75	1	1	10.2	171	1	1	1	118
37945	2.9	2420	125	2	155	.3	1	3490	.5	4	33	17560	1500	1	240	175	3	60	1	430	1597	1	10	1	1	5.4	197	1	1	1	165
37566	.4	16270	38	1	153	1.2	5	12590	2.2	13	93	49620	1470	27	20890	829	6	440	8	1690	78	1	14	1	1	162.2	107	2	2	1	25
37567	.8	15170	65	15	73	.9	7	13090	2.3	16	105	53690	1780	24	18530	693	6	420	8	1530	54	1	9	1	1	151.3	80	2	2	1	12
37568	1.0	14450	58	1	72	1.2	7	22330	1.6	22	126	67640	1600	23	17920	839	5	330	4	1590	63	1	12	1	1	134.0	102	2	2	1	1
37569	.8	13240	24	1	85	1.1	6	27770	2.4	19	110	59410	1940	21	15870	831	7	290	4	1500	65	2	16	1	1	122.7	113	2	1	1	1
37570	.5	12560	27	1	141	.9	4	27490	3.1	16	81	47340	1980	21	15750	781	5	310	6	1580	71	3	20	1	1	104.3	156	2	1	1	18
37571	.8	8290	154	2	73	1.0	3	21320	3.9	14	79	44860	2200	10	13290	697	4	340	8	1510	82	9	68	1	1	62.7	141	1	1	1	14
37572	1.0	8160	459	4	82	.9	3	28030	4.4	16	85	49470	2920	7	14020	850	5	260	10	1440	64	10	90	1	1	50.1	87	2	1	1	18
37573	.5	12730	16	1	79	1.1	4	20360	1.9	17	92	54780	2510	18	16380	730	5	310	12	1550	73	4	29	1	1	111.0	104	2	1	1	3
37574	.6	12880	7	1	74	.9	4	18200	3.0	17	86	49900	2260	18	14830	615	5	350	6	1420	68	1	14	1	1	102.1	151	2	1	1	4
37575	1.2	13140	13	1	89	.9	4	17950	2.5	12	75	43890	2200	17	14070	619	5	500	3	1430	76	1	12	1	1	98.1	178	2	1	1	24
37576	.7	13920	20	1	160	1.2	4	20100	3.1	19	90	52790	2180	20	15440	809	6	400	5	1490	68	1	13	1	1	131.6	153	2	1	1	7
37577	.9	13940	3	2	90	1.4	7	14170	1.0	27	148	81200	2440	20	15660	693	4	340	2	1320	61	2	10	1	1	150.8	124	2	2	1	1
37578	1.4	16330	18	3	117	1.3	8	20960	2.8	24	144	74680	3050	23	16670	850	6	200	6	1240	84	3	11	1	1	115.3	235	2	2	1	1
37579	1.4	12770	23	1	102	1.1	7	27950	2.6	25	106	59890	1890	19	14730	861	5	300	5	1310	65	1	15	1	1	124.9	150	2	2	1	1
37580	1.5	17180	14	1	87	1.2	8	24820	2.0	16	84	45300	1090	32	21460	1008	7	420	9	1710	74	2	11	1	1	169.0	87	2	2	1	11
37581	4.6	18870	61	1	52	1.4	8	54590	5.6	36	205	78860	930	36	22440	1618	8	310	6	1440	182	6	11	2	1	153.1	551	2	2	1	1
37582	4.5	21560	32	1	110	1.9	8	38810	5.0	48	265	108910	1540	39	24440	1507	7	220	1	1380	243	5	9	1	1	143.6	500	2	2	1	1
37583	.7	12510	7	1	113	.9	5	32690	2.2	19	112	48780	1130	20	15870	872	5	460	6	1470	54	1	16	1	1	147.9	66	2	2	1	12
38628	1.0	19440	29	1	41	1.4	5	51150	.5	17	176	67500	2220	12	12290	1104	8	80	2	1080	35	2	23	1	1	66.8	56	2	1	1	1
38629	.7	17730	26	1	52	1.3	4	44160	.5	15	155	66800	2130	12	12460	1050	11	50	2	1080	31	1	23	1	1	65.1	52	1	1	1	1
38630	1.0	16070	25	1	52	1.2	4	59640	.5	15	176	63610	2400	11	12260	1517	7	70	2	970	30	1	26	2	1	64.5	56	2	1	1	9
38631	1.8	14000	33	1	44	1.1	5	49770	54.4	15	188	56000	2400	9	9990	1292	6	60	3	1150	160	2	21	1	1	53.7	4569	2	1	1	9
38632	2.2	5770	320	3	56	.7	3	58640	11.6	41	132	34160	2960	2	8320	1766	4	70	12	1490	121	9	21	1	1	18.9	711	1	1	1	10
38633	1.6	5660	195	2	53	.8	4	58040	5.9	26	173	32870	2850	2	7730	1701	5	60	13	1350	45	8	18	1	1	17.9	307	1	1	1	9
38634	1.9	6130	44	3	55	.9	4	52790	9.9	14	162	33890	2950	2	8240	1911	6	60	23	1290	89	6	15	1	1	22.3	692	1	1	1	10
38635	2.3	8520	53	3	59	1.0	4	42450	20.3	19	94	48630	3340	3	11340	1573	7	60	26	1410	231	18	15	1	1	36.5	1573	1	1	1	6
38636	2.7	9120	50	3	60	1.1	4	50660	31.2	19	140	43950	3640	3	9090	1734	6	60	9	1410	232	5	[illegible]	1	1	37.5	2310	1	1	1	2
38637	4.6	12660	564	4	57	1.6	5	41580	18.8	51	437	117370	3020	4	8930	1549	3	50	1	1130	266	22	2[illegible]	1	1	36.0	1294	1	1	1	1
38638	1.5	12630	23	1	54	1.1	4	44200	2.3	24	157	63650	3050	5	13110	1600	3	50	3	1070	71	7	24	1	1	45.1	145	1	1	1	1
38639	.6	15310	16	1	59	1.3	4	39390	1.2	20	100	50180	3160	8	15250	1337	5	50	7	1270	31	7	22	1	1	70.4	91	1	1	1	1
38640	.4	16660	10	1	74	1.0	4	33590	2.7	17	114	49670	3270	9	14600	1165	4	50	5	1260	38	2	19	1	1	71.8	157	1	1	1	1
38641	.3	18960	15	1	55	1.1	4	30450	1.3	14	48	50420	3190	10	14320	1119	5	50	7	1080	26	1	16	1	1	76.3	96	2	1	1	1
38642	.5	15430	5	1	62	1.2	5	50290	1.2	17	66	57430	3000	8	15940	1754	5	60	6	1110	30	1	35	1	1	62.9	81	1	1	1	1
38643	1.9	14360	119	1	78	1.0	5	52310	1.1	34	170	61460	3320	6	11810	1703	4	50	6	1180	65	7	26	1	1	64.7	152	1	1	1	1
38644	1.8	6770	26	4	58	1.3	5	50280	8.1	24	198	56470	3160	2	12890	2330	5	50	6	1000	125	3	14	1	1	20.2	588	1	1	1	1
38645	1.8	5740	17	3	55	1.0	4	44780	2.5	16	140	49120	2770	1	12480	1771	6	40	7	850	29	2	29	1	1	26.7	121	1	1	1	20
38648	.1	14970	3	1	68	.7	4	31830	1.0	7	76	36050	3460	7	13440	1728	5	40	14	1310	27	1	23	1	1	52.5	100	1	1	1	22
38649	.3	13770	2	1	75	.9	5	40270	2.2	7	43	38770	3620	6	14060	2214	5	40	11	1220	29	1	25	1	1	48.4	74	1	1	1	9
38650	.5	5440	14	3	128	1.0	4	51360	3.2	12	71	37180	2980	1	13990	1518	5	130	8	1150	32	2	20	1	1	24.3	132	1	1	1	8
38651	.9	7790	21	3	47	1.1	4	47020	1.6	17	82	48400	3600	3	13580	1587	4	90	9	1220	37	3	18	1	1	40.0	39	2	1	1	4
38652	.7	7610	57	3	42	1.1	6	67450	1.8	19	53	53380	3060	3	18310	3020	5	90	6	1040	43	4	18	2	1	38.4	77	1	1	1	1
38653	.7	11560	26	1	45	1.2	4	50970	1.8	25	102	54880	3180	5	13200	1603	3	80	5	1160	40	2	29	1	1	60.8	91	1	1	1	1
38654	.4	12900	23	1	52	1.0	4	47830	1.8	21	77	50230	3020	6	13590	1740	4	70	9	1260	33	1	36	1	1	64.9	83	1	1	1	1
38655	.3	7490	23	4	72	.9	4	60600	5.4	17	117	33900	3670	2	10730	2014	5	70	12	1290	43	1	34	1	1	27.3	509	1	1	1	1
38656	.7	12240	18	1	43	1.2	4	47520	2.1	15	42	54500	2930	6	15020	2081	5	60	7	1220	60	2	53	1	1	43.8	285	1	1	1	1
38657	.5	14970	16	1	41	1.0	4	39220	1.7	16	74	57780	2950	9	14400	1648	4	90	5	1220	44	1	24	1	1	70.4	244	1	1	1	1
38658	.5	19770	2	1	46	1.2	5	33060	1.6	17	82	63490	3240	12	18590	1522	4	130	3	1260	36	1	20	1	1	99.4	220	1	2	1	1
38659	.6	16900	8	1	45	1.1	5	37440	4.0	18	84	64080	3060	11	17860	1592	4	120	6	1140	38	1	23	1	1	89.9	310	1	1	1	1
38660	.3	19680	14	1	58	1.2	5	27580	.5	23	136	72070	3150	11	17450	1366	4	120	3	1340	40	3	22	1	1	110.3	89	2	1	1	1
38661	.5	17950	1	1	54	1.4	5	28690	.9	23	189	72490	2940	9	16630	1378	3	120	6	1240	35	1	26	1	1	95.1	96	1	1	1	1
38662	.7	10280	5	1	46	.9	4	24190	1.5	16	108	48320	2280	4	11540	1082	5	60	3	950	28	1	20	1	1	56.0	144	1	1	1	1
38663	.7	15310	30	1	60	1.1	3	23340	1.4	18	90	45490	3000	8	11930	757	3	70	3	1580	25	1	30	1	1	68.2	185	1	1	1	1
38664	.7	13160	11	1	58	.9	3	42780	1.2	16	73	46960	3240	7	13690	1247	4	120	3	1510	29	1	23	1	1	75.6	45	1	1	1	1
38665	.6	4750	22	5	60	1.0	5	71940	3.0	12	24	50810	2940	1	18780	2959	5	110	6	1200	40	5	27	3	1	31.2	16	1	1	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0147-RJ3+4
DATE: AUG-22-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
38667	2.2	8810	31	4	77	.9	5	52980	4.6	14	94	34280	4500	2	11670	1397	3	170	4	1740	48	1	36	1	1	42.9	289	1	1	1	10
38669	.7	19250	1	1	55	1.0	4	41840	2.4	18	74	52400	3110	10	17290	1287	6	180	5	1570	37	1	28	1	1	108.2	83	1	1	1	1
38670	.8	21810	7	1	54	.9	5	48900	1.0	21	78	57290	3100	12	18090	1319	5	220	2	1630	41	1	32	2	1	126.4	73	2	1	1	1
38671	1.0	23340	4	1	55	.9	5	43090	.9	18	78	56920	3300	12	18990	1218	6	240	5	1680	43	1	33	1	4	137.2	77	2	1	1	1
38672	.8	20320	1	1	52	.8	5	44460	1.6	21	88	58850	3410	10	16410	1282	4	220	3	1560	33	2	28	2	1	113.4	61	2	2	1	1
38673	.7	25420	1	1	48	1.2	4	38870	.5	25	115	65930	3160	14	19270	1080	6	210	3	1610	31	1	36	1	1	157.5	71	2	1	1	1
38674	.5	26310	1	1	50	1.2	6	45170	1.2	25	116	67150	3080	14	19950	1151	5	190	3	1670	46	1	40	1	1	171.9	75	2	1	1	1
38675	.7	30490	1	1	45	1.2	7	43050	.7	35	168	87680	2600	17	22670	1305	5	160	1	1690	45	1	40	1	1	247.5	92	2	2	1	1
38676	.3	29310	1	1	50	1.1	7	42520	1.4	32	138	82870	3050	16	22600	1254	6	160	2	1600	48	3	38	1	1	249.7	111	1	2	1	1
38677	.5	23340	1	1	49	1.0	6	43820	.5	22	119	63380	3490	12	19480	1242	6	180	4	1780	39	1	36	1	1	139.2	78	1	1	1	1
38701	9.8	11120	32	9	24	.5	4	1490	.5	98	760	298040	1090	3	3010	495	1	20	1	360	331	34	3	1	1	72.1	1010	1	1	1	1
38702	31.3	4030	799	12	39	.3	10	490	.5	30	412	266750	1680	1	420	145	1	40	1	500	2719	97	3	1	1	52.8	1473	1	1	2	1
38703	55.0	27910	8	1	90	1.0	8	1660	.5	50	387	207200	3590	13	9490	564	1	50	1	1060	680	45	5	1	1	99.6	600	1	1	1	1
38704	8.9	31240	48	1	101	.9	6	1730	.5	20	175	125940	3660	13	16550	993	5	50	1	1580	802	10	8	1	1	159.0	359	2	1	1	1
38705	9.7	33720	47	1	70	1.0	9	8220	103.8	37	379	186420	2770	13	18860	1749	7	30	1	1560	2451	22	16	1	1	218.7	15725	2	2	1	1
38706	4.4	27110	200	1	102	1.0	6	8250	10.2	15	139	88900	3860	12	16500	1443	8	50	1	2260	1122	16	15	1	1	141.9	1569	1	1	1	1
38707	2.5	28850	24	1	102	1.2	6	8360	3.8	16	117	85660	3820	13	17900	1493	7	50	1	2080	376	10	13	1	1	147.8	426	1	1	1	1
38708	1.2	34050	1	1	110	1.1	6	18380	3.2	21	99	80160	3760	16	21100	1620	7	50	1	1920	235	8	25	1	1	164.7	502	2	2	1	1
38709	24.0	21730	755	3	100	1.2	9	3890	61.7	50	381	169420	3990	6	5640	1151	5	50	1	1500	8539	35	9	1	1	105.2	9224	1	1	1	1
38710	5.1	28230	43	2	48	1.2	5	2030	.5	33	358	241660	2320	10	9790	1932	1	30	1	1100	136	6	6	1	1	88.0	228	1	1	1	1
38711	3.1	26900	38	1	31	1.2	5	1570	.5	24	244	203960	2180	11	9540	1522	1	30	1	1000	55	2	5	1	1	80.7	111	1	1	1	1
38712	39.0	26130	111	5	20	.4	12	1600	.5	49	525	291430	1170	9	8430	1055	1	30	1	780	257	4	4	1	1	83.6	762	1	1	1	1
38713	15.9	24370	1	6	24	.2	5	1970	.5	59	474	321250	1560	7	5530	650	1	30	1	670	36	9	3	1	1	71.4	328	1	1	1	1
38714	65.5	10670	41	12	35	.1	18	760	.5	60	1069	354960	2060	3	2560	381	1	40	1	560	8	7	3	1	1	42.1	97	1	1	1	1
38715	10.4	25260	16	5	35	1.1	6	29910	.5	43	621	284510	1950	10	9360	2987	1	20	1	820	39	12	3	1	1	62.1	462	1	1	1	1
38716	17.4	20990	29	3	35	1.3	9	44700	.5	27	359	203540	2610	8	7860	3079	1	30	1	1050	28	11	9	1	1	63.6	94	1	1	1	1
38717	2.2	21790	9	1	34	1.1	6	11470	.5	20	363	162430	2940	8	7050	2739	3	30	1	880	28	1	8	1	1	62.5	79	1	1	1	22
38718	3.9	23870	10	1	36	1.4	6	22350	.5	21	244	195830	2550	10	9240	3533	1	30	1	1130	28	4	6	1	1	78.2	92	1	2	1	1
38719	15.1	22700	44	3	33	1.1	6	20120	.5	29	377	240560	1990	10	8790	3055	1	20	1	980	41	14	3	1	1	66.1	212	1	2	1	1
38720	1.4	23900	37	1	24	1.5	5	43800	.5	19	164	151850	1920	12	11110	2744	2	30	1	850	27	2	4	1	1	58.9	94	1	2	1	1
38721	2.4	22180	52	1	36	1.1	6	66710	.5	13	85	86970	2300	11	10820	3100	2	50	1	1010	39	2	7	1	1	61.2	91	2	2	1	1
38722	1.5	18730	37	1	23	1.3	5	38160	.5	17	186	124670	1480	9	8420	3023	3	30	1	800	28	2	5	1	1	58.8	95	1	1	1	1
38723	26.6	12830	8	8	28	1.0	14	2370	.5	42	581	268760	1480	5	2250	1235	1	30	1	510	18	12	4	1	1	30.8	232	1	1	1	1
38724	28.8	21840	1	5	25	.3	16	2170	.5	39	681	285660	1480	11	5320	1629	1	30	1	790	19	9	5	1	1	48.5	115	1	1	1	1
38725	2.1	15220	10	4	19	.4	3	1800	.5	20	210	214420	1120	7	5110	1009	1	20	1	760	10	4	4	1	1	69.7	68	1	1	1	1
38726	.8	28510	9	1	38	1.0	4	15140	.5	17	126	153140	2090	14	10200	2519	1	30	1	1130	25	2	8	1	1	87.5	72	1	1	1	1
38101	1.1	2700	64	1	81	.1	1	920	2.2	4	19	13660	1020	1	360	147	1	50	3	440	74	2	5	1	1	9.0	252	1	1	1	174
38102	1.6	1730	52	1	44	.1	1	180	1.9	3	17	8810	850	1	200	67	1	50	1	350	293	1	17	1	2	6.3	137	1	1	1	176
38103	7.4	1830	517	5	130	.5	5	117110	73.1	11	61	63300	720	1	4200	1518	4	30	1	610	75	84	70	2	1	10.8	6868	2	1	1	1
38104	1.7	5450	370	6	61	.5	1	1420	3.1	9	10	54160	2760	1	340	6	1	70	1	240	30	41	5	1	1	22.7	150	1	1	1	74
38105	1.8	2000	107	8	13	.7	2	680	.5	15	15	164860	1060	1	110	1	1	30	1	250	62	241	4	1	1	5.0	88	1	1	1	1
38106	10.9	7200	1388	5	486	.5	2	13380	37.9	14	44	33080	3270	1	1810	685	1	80	8	1210	334	57	11	1	1	32.3	3387	1	1	1	41
38107	2.5	3230	312	2	1411	.2	1	290	2.9	3	17	14120	1570	1	180	33	2	40	1	350	134	28	11	1	1	10.0	136	1	1	1	109
38108	1.4	6390	84	2	318	.2	1	460	.5	6	20	22080	2660	1	600	73	3	60	1	580	43	5	5	1	1	21.1	29	1	1	1	59
38109	1.4	2880	204	3	146	.3	2	37250	1.2	12	17	36560	1600	1	2660	1445	1	50	7	420	32	6	31	1	1	9.7	19	1	1	1	63
38110	.2	2580	400	2	53	.1	1	830	3.0	5	7	15710	1370	1	260	200	1	70	1	300	3	3	3	1	1	6.0	89	1	1	1	174
38111	4.8	3660	20	5	40	.2	2	18520	312.5	13	576	14340	1460	1	960	668	5	70	5	600	9	1	19	1	1	10.7	28348	1	1	2	119
4484	.4	11650	10	1	123	.5	3	10850	4.3	10	24	34200	3040	10	8420	865	4	350	5	1450	19	1	20	1	1	43.6	382	1	1	1	49
4485	.2	5940	15	1	119	.8	3	10580	3.0	14	22	38970	3610	3	9280	819	3	160	3	380	24	1	23	1	1	12.7	162	1	1	1	15
4486	3.1	6080	782	2	76	.7	4	11690	3.3	81	540	70400	2500	2	1970	507	2	60	3	510	88	1	5	1	1	31.2	125	1	1	1	33
4487	.3	7570	106	1	130	.5	1	6710	5.7	11	55	25660	3360	4	2660	307	45	300	11	1090	23	1	11	1	1	33.3	362	1	1	1	40
4488	.9	3450	256	1	18	.3	2	80010	3.4	15	22	19600	1030	3	3970	802	3	40	8	250	12	1	1	1	1	35.5	131	1	1	1	115
4489	.2	10160	30	1	139	.5	2	11660	1.0	11	26	34440	3550	7	4760	273	8	170	13	1070	15	1	10	1	1	30.9	148	1	1	1	19
4490	248.6	220	117	19	5	.7	132	1420	4853.6	46	946	87880	90	1	1350	398	18	30	1	290	26222	95	17	1	1	1.9	105576	1	4	9	36
4491	226.3	160	955	8	4	.4	76	5510	1431.5	22	3764	44350	80	1	3210	798	10	70	4	140	35180	145	15	1	1	3.1	35349	1	2	3	177
4492	279.3	170	141	12	4	.5	106	3110	2293.1	39	4342	90330	60	1	2440	608	9	50	1	180	35430	142	16	1	1	2.4	54639	1	2	4	135
8538	3.3	15130	34	1	124	.7	5	610	25.8	13	53	46340	3820	20	12870	378	8	140	6	1160	467	6	8	1	1	41.4	627	2	1	1	33
8542	3.2	16270	42	2	122	1.0	5	1090	14.2	19	93	60950	3610	23	14880	661	7	100	10	1090	205	45	6	1	1	38.8	446	1	1	1	8
8543	3.0	8180	36	2	122	.4	3	30	4.2	10	45	36000	3390	5	3310	133	2	70	3	370	117	35	3	1	1	22.3	132	1	1	1	37
8545	5.3	9120	103	8	137	1.0	6	1740	1.9	23	276	76190	3630	5	3540	184	5	90	2	1170	67	139	6	1	1	27.0	158	1	1	1	1

COMP: BOND GOLD CANADA
PROJ: 744
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0147-RJ3+6
DATE: AUG-22-89
* TYPE ROCK GEOCHEM • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
8570	.1	18570	5	1	146	.9	4	2560	1.5	19	11	57490	2240	33	19950	344	7	240	10	1710	80	1	10	1	1	52.8	169	1	1	1	1
8571	.2	14890	10	1	141	.9	4	6780	2.3	19	12	55830	1930	25	15540	620	6	170	2	1540	100	1	13	2	1	43.5	224	1	1	1	1
8572	.4	17670	7	1	322	.8	4	2020	1.0	17	30	51850	2550	28	17340	469	8	180	6	1550	87	8	12	1	1	43.0	245	1	1	1	1
8573	.2	16000	10	1	470	.7	3	400	.5	8	19	47940	3530	20	13010	347	7	500	1	1040	95	1	19	1	1	44.2	168	1	1	1	5
8574	.2	12460	33	1	222	.7	2	1210	.5	10	46	52170	3560	12	7550	223	5	270	1	1810	42	1	18	1	1	32.4	89	1	1	1	1
8575	1.2	12750	59	1	50	.6	3	3870	2.9	17	80	58020	2720	18	10800	685	5	150	4	1460	76	31	12	2	1	30.1	211	1	1	1	1
8576	1.8	22110	58	1	84	1.0	6	7780	4.2	19	123	65820	1830	44	25380	1954	9	150	9	1490	208	35	10	2	1	53.7	523	1	2	1	1
8577	4.6	15000	152	1	95	.8	4	3110	2.8	14	287	50560	2870	23	13650	746	8	180	4	1160	135	139	8	1	1	34.6	188	2	1	1	1
8578	5.7	20570	190	1	110	.9	4	3140	3.9	19	464	70470	3500	33	18000	949	8	160	7	1580	130	169	8	1	1	51.1	256	1	1	1	1
8579	1.7	13520	48	1	138	.6	3	4240	33.2	11	105	41860	3880	15	8120	868	6	190	6	1090	1381	8	10	1	1	26.1	3100	1	1	1	25
8580	2.0	6340	53	3	76	.4	2	1210	4.8	18	64	51320	2940	2	1130	34	3	90	2	900	304	4	5	1	1	15.4	696	1	1	1	4
8581	3.5	17130	148	1	87	.9	4	3800	15.7	20	294	59640	3200	26	13830	985	8	120	9	1520	1083	74	8	1	1	47.1	1102	1	1	1	1
8582	1.6	17350	83	1	106	1.1	3	4800	9.0	20	122	70170	3150	27	14250	1043	6	110	2	1670	563	30	13	1	1	47.9	924	1	1	1	1
8583	.8	9390	54	2	56	.6	3	1860	.8	20	40	67820	2110	13	7600	443	6	60	5	950	120	10	5	1	1	29.0	149	1	1	1	1
8584	.6	4070	43	3	49	.5	1	50	.5	17	16	50510	2240	1	310	1	4	80	1	580	29	1	5	1	1	9.4	19	1	1	1	2
8585	.2	3440	8	3	39	.1	1	800	.5	13	7	40090	1870	1	370	1	4	80	4	730	18	1	8	1	1	5.2	20	1	3	1	1
8586	1.6	3860	45	3	45	.3	1	780	.5	23	26	54790	2170	1	260	1	4	80	8	750	59	1	6	1	1	7.6	17	1	1	1	1
8587	2.1	6880	56	4	69	.3	1	1560	.5	21	23	60600	3640	1	350	1	4	110	2	1250	75	1	4	1	1	13.4	26	1	1	1	1
8588	1.3	5550	60	4	64	.4	2	700	.5	19	23	60200	2960	1	320	1	4	80	4	740	52	1	4	1	2	11.0	24	1	1	1	1
8589	1.5	5290	59	3	39	.4	2	700	.5	20	21	58760	2880	1	290	1	3	80	6	700	72	1	6	1	1	11.4	17	1	1	1	1
8590	1.5	4160	68	4	49	.5	2	1730	.5	26	32	67200	2140	1	240	1	2	60	12	1110	47	1	6	1	1	14.9	17	1	1	1	1
8591	.4	5800	11	3	101	.3	1	1970	.5	15	14	36070	2960	1	310	4	4	100	3	1320	28	1	15	1	1	8.0	10	1	1	1	1
8592	2.3	8970	33	5	122	.4	2	950	.5	18	35	50550	3080	7	4280	286	5	100	5	1230	84	1	9	1	1	18.9	72	1	1	1	3
8593	5.6	15840	44	3	69	1.1	5	11150	5.6	23	154	67240	3250	21	12640	3120	9	120	12	1440	536	28	11	2	1	39.4	598	1	1	1	1
8594	3.8	23950	19	1	104	1.2	6	6130	9.8	24	130	62490	3560	39	22010	3227	10	140	17	1440	428	18	8	1	1	56.4	1202	1	2	1	3
8595	2.1	26300	25	1	85	1.1	6	2960	5.6	21	91	62590	3400	47	26140	3260	10	160	17	1460	153	22	8	1	1	66.0	759	1	2	1	4
8596	7.3	15810	58	2	86	.7	4	1210	1.4	20	108	58580	3440	22	12970	1254	7	100	12	900	127	34	7	1	1	39.8	243	1	1	1	7
8597	1.7	4780	38	3	94	.2	1	680	.5	22	34	53330	2510	1	600	21	4	70	1	1280	53	1	5	1	1	11.3	24	1	1	1	6
8598	2.1	21590	35	1	146	1.0	6	2080	4.7	21	100	62680	2670	38	21160	2160	9	90	13	1280	105	23	8	1	1	49.5	576	1	1	1	1
8599	.1	17360	15	1	91	.6	4	1450	1.3	21	91	55390	2010	29	15860	388	9	90	9	1390	27	1	6	2	1	32.5	103	1	1	1	1
8600	1.0	13650	15	3	115	.5	9	4040	2.3	22	37	56470	1930	23	14330	1254	9	330	8	1220	53	5	41	1	1	91.6	90	1	1	1	7
8601	1.9	9520	3	1	153	.5	8	2670	1.4	15	56	31700	2320	11	7520	259	9	230	18	640	16	1	5	1	1	82.2	26	1	1	1	81
8602	8.2	3240	1	17	8	.1	1	32280	.5	159	1707	385830	140	3	2690	253	1	10	1	90	19	3	8	1	1	12.7	72	1	1	1	1
8603	.3	18710	532	4	23	.1	4	1700	.5	65	81	260450	330	26	17710	329	1	70	1	600	41	10	10	1	1	68.3	59	1	1	1	1
8604	.9	15520	234	1	29	.3	4	1290	.5	37	237	140720	480	22	13900	310	4	170	14	800	32	7	8	1	1	78.1	46	1	1	1	15
8605	.7	7790	27	5	69	.1	4	1210	.5	93	912	119650	1630	7	5000	33	1	150	12	360	15	1	7	1	1	26.5	44	1	1	1	9
8606	1.1	13400	1	11	37	.1	9	5590	.5	59	80	182400	3660	18	11980	125	1	360	1	1020	18	1	11	1	1	99.1	50	1	1	1	1
8607	1.3	7270	1	12	54	.1	3	5810	.5	136	918	281370	1910	9	5770	93	1	110	1	540	24	1	13	1	1	33.1	60	1	1	1	1
8608	4.3	3040	1	17	27	.1	1	10040	.5	236	2058	441760	400	4	1500	177	1	20	1	60	118	1	8	1	1	4.7	592	1	1	1	1
8609	.3	6160	1	6	287	.4	3	2330	.8	14	163	35580	2100	6	4150	63	1	200	3	360	8	1	7	1	1	44.5	30	1	1	1	63
8610	.2	3980	18	5	78	.2	3	1130	.5	12	192	35330	670	4	2840	56	2	490	1	280	8	1	5	1	1	39.3	22	1	1	1	85
8611	.1	2130	1	27	7	.1	1	380	.5	64	1465	335810	70	2	1580	1	1	10	1	10	1	1	8	1	1	8.8	143	1	1	1	1
8612	.7	13940	313	7	23	.1	4	6980	.5	72	565	215600	930	22	10680	182	25	50	42	3780	28	10	15	1	1	96.3	47	1	1	1	1
8613	.1	7220	1	11	36	.1	4	2730	.5	84	1111	268260	1040	8	4990	12	1	50	1	1690	10	1	11	1	1	42.0	48	1	1	1	1
8614	.1	6360	1	9	38	.1	4	6620	.5	76	935	206490	710	8	4790	98	1	110	25	1960	16	1	10	1	1	67.6	43	1	1	1	1
NOTAG	3.0	6070	5	4	48	.5	5	64190	2.5	18	150	50260	3170	2	13230	2109	5	110	7	1420	42	6	22	1	1	33.2	49	1	1	1	1
38666	.6	6880	1	3	49	.6	5	49020	2.1	12	56	43260	3040	2	13700	1735	4	110	7	1390	30	4	23	1	1	31.4	44	1	1	1	1

COMP: BOND GOLD CANADA
PROJ: 745
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0161-RJ1
DATE: AUG-28-89
• TYPE ROCK GEOCHEM • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
38112	1.0	19590	43	1	156	1.0	4	51390	.5	22	42	54980	2500	25	11640	868	4	240	17	900	49	3	61	2	1	49.2	77	1	1	1	1
38113	.4	7840	21	3	100	1.0	3	44380	1.0	17	49	41170	2880	3	10930	938	4	400	13	1250	23	1	74	1	1	45.9	61	1	1	1	15
38114	.1	4880	21	1	57	.5	1	10400	1.7	7	37	14260	2310	2	850	359	2	30	24	330	6	1	3	1	1	9.9	48	1	1	1	81
38115	.1	3950	36	5	54	.3	1	3970	.5	6	18	11890	1450	3	450	368	1	50	4	340	27	1	8	1	1	10.5	77	1	1	1	146
38116	.6	25800	1	1	69	1.5	7	55060	.5	37	22	61470	2380	42	25230	1278	8	210	22	1120	45	5	132	1	1	199.5	79	1	1	2	91
38117	.6	20530	1	1	43	.9	4	23390	1.7	16	55	39240	2340	24	17620	458	13	310	57	940	40	1	98	1	1	91.4	78	1	1	1	77
38118	.6	21470	1	1	112	1.2	5	24500	2.7	18	91	36080	3260	28	21120	477	7	390	46	1190	33	1	60	1	1	84.8	111	1	1	1	33
38119	1.3	5210	61	2	220	.3	1	500	.5	5	28	10810	2710	1	540	57	1	70	13	380	12	4	4	1	1	11.9	23	1	1	1	115

COMP: BOND GOLD CANADA
PROJ: 745
ATTN: D.KENNEDY/R.JOWETT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0167-R1
DATE: AUG-31-89
• TYPE ROCK GEOCHEM • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
8615	.5	3940	29	57	52	.4	3	11880	1.4	11	117	30120	810	3	3770	337	4	70	6	1070	13	2	11	1	1	5.7	17	1	1	1	126
38120	1.4	7180	29	9	252	.6	2	33030	.9	15	57	39600	2770	1	4340	1424	2	260	2	1270	35	5	24	2	1	22.5	109	1	1	1	1
38121	1.5	8120	1	6	233	.4	1	7590	1.3	11	67	20320	2810	3	2790	513	3	190	3	880	9	1	11	1	1	18.9	166	1	1	1	99
38122	.7	22340	11	1	485	.4	4	8810	.5	19	6	46980	1550	43	14850	612	4	490	3	1100	30	1	25	1	2	56.2	136	2	1	1	87
38123	.1	5750	59	19	84	.1	1	420	.5	60	130	436520	1060	1	860	1860	88	50	1	300	31	16	3	1	1	31.4	71	1	1	1	1
38124	.6	20150	16	1	55	.5	4	3960	.5	20	10	53950	1260	38	13980	504	8	190	1	590	32	2	7	1	2	46.0	118	2	1	2	125
38125	1.7	7680	461	11	155	.3	2	400	.5	42	52	238980	1700	1	610	1174	90	180	1	870	65	19	7	1	1	24.6	44	1	1	1	1
38126	.7	9730	29	4	183	.9	2	18520	.5	15	33	49430	3320	1	1660	1282	17	270	1	890	29	3	34	1	2	25.5	20	1	1	1	14
38127	.9	10840	27	1	243	.5	1	1260	.5	9	24	33450	2950	1	830	958	5	190	2	710	3	1	13	1	1	23.8	43	1	1	1	169
38128	.8	10840	3	4	200	.7	2	50530	.5	14	18	42310	3920	1	1450	1723	1	310	1	1280	7	1	11	2	1	31.8	45	1	1	1	1
38129	103.9	5130	37	12	86	.4	5	8420	300.2	13	3369	32180	1420	1	1700	921	78	80	4	320	159	103	21	1	1	14.2	27625	1	1	3	155
38130	53.8	880	13	5	1761	.2	1	420	73.3	8	269	23780	310	1	250	1259	7	40	1	90	1326	66	219	1	4	3.1	7479	1	1	1	4
38131	9.3	8690	1	8	5094	.8	5	3590	9.4	22	66	161240	210	11	3810	12065	4	50	1	220	110	15	68	1	1	31.5	1112	1	3	1	1
38132	69.1	6440	17	14	1158	.6	5	1450	269.6	25	1515	103950	1140	4	1500	5527	80	80	2	360	183	68	119	1	1	16.4	30246	1	1	2	24
38133	2.4	13580	12	1	1649	.2	4	26390	5.7	17	83	40370	2050	22	9490	1519	6	170	6	410	31	3	42	1	2	27.7	577	1	1	2	204

APPENDIC C

DRILL LOGS

Hole No.	MZ89.001	Northing	0+28.60N	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	0+27.70E	Grid Azim.		145.7	- 44		ACID				
Location	MAIN ZONE	Elevation	1498.39	Length (m)	145.67								
Claim No.	DEL	Surv. E.		Dip-Collar	-50.15								
NTS	103P/13	Surv. W.		Bearing	149.40								
Started	07/24/89	Logged by	D.KENNEDY	Drill No.	1000/1								
Finished	07/25/89	Checked by	B.WILSON	Foreman	M. JOHNSTO								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
SUMMARY								
0.00	**1.45**	**CASING**						
1.45	**7.45**	**ANDESITIC CRYSTAL TUFF (5a1)**						
7.45	**32.45**	**ANDESITIC AGGLOMERATE (4r2)**						
32.45	**36.04**	**ANDESITIC CRYSTAL TUFF (5G4r2)**						
36.04	**39.20**	**FZ (5TFa1)**						
39.20	**125.10**	**ANDESITIC CRYSTAL TUFF (5G4r2)**						
125.10	**145.67**	**ANDESITIC AGGLOMERATE (4a1)**						
145.67	**145.67**	**E.O.H.**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**1.45**	**CASING**						
1.45	**7.45**	**ANDESITIC CRYSTAL TUFF (5a1)** Dark grey phenocrysts (25%) 5.0 mm, typically 2 - 3mm in lighter grey aphanitic groundmass. Contains traces of finely disseminated pyrite.						
2.00	2.40	Agglomeritic section. Contains 15% pyrite as disseminations and clots. Associated dark chloritic sections with agglomerate.						
			37101	1.45	3.00	1.55	0.18	0.90
7.00	7.30	Agglomeritic horizon with 7% pyrite. Some dark chloritic sections.						
7.45	**32.45**	**ANDESITIC AGGLOMERATE (4r2)** Occasional short crystal tuff sections. Well mineralized throughout. Contains 1 - 2% pyrite, traces sphalerite and pyrrhotite. Darker chloritic sections have higher sulphide content. Core angles generally 60-70 degrees to the C.A. Occasional discontinuous quartz-carbonate stringers. This section at random angles to the C.A.						
			37102	6.00	7.50	1.50	0.11	0.20
			37103	7.50	9.00	1.50	0.12	1.10
10.15	11.20	1 - 2% sphalerite as clots and disseminations. 3-5% pyrite. 10.70-11.20: 4% sphalerite.	37104	9.00	10.50	1.50	0.02	1.60
			37105	10.50	12.00	1.50	0.04	2.20
			37106	12.00	13.50	1.50	0.06	1.50
			37107	13.50	15.00	1.50	0.04	1.20
			37108	15.00	16.50	1.50	0.04	1.10
16.55	17.30	7% pyrite as clots and disseminations.						
			37109	16.50	18.00	1.50	0.05	1.90
18.00	18.55	Two 1.5 cm quartz-carbonate stringers at 35 degrees to the C.A. No associated sulphides.						
19.00	22.50	Numerous 1.0-5.0 mm quartz-carbonate stringers (unmineralized) at 30-45 degrees to the C.A. 19.50-21.40: 7% pyrite and traces of sphalerite.	37110	18.00	19.50	1.50	0.06	1.50
			37111	19.50	21.00	1.50	0.03	0.70
			37112	21.00	22.50	1.50	0.01	0.70
23.00	31.60	Gradual increase in the number of short crystal tuff sections. 23.00-28.60: Less than 1% sulphides. 24.10-24.45: Several rusty fragments at 20 degrees to the C.A. 25.15-25.20: Sphalerite on fractures at 45-60 degrees to the C.A. 25.33-25.38: Rusty, vuggy fractures at 35 degrees to the C.A. 26.48-26.72: Rusty carbonate section with narrow chlorite stringers at 55 degrees to the C.A. 28.20-28.40: Good beddings at 65 degrees to the C.A. 28.60-30.00: 5% pyrite with a preferred orientation of 45 degrees to the C.A. Abundant dark chlorite present. 30.00-30.20: Core badly broken (fault zone?) Rusty manganese staining. 30.70-31.50: 4% sphalerite present as disseminations and in discontinuous stringers at 30 degrees to the C.A. 31.50-32.45: 40% pyrite present as patches, clots and disseminations with occasional traces of sphalerite.	37113	22.50	24.00	1.50	0.16	0.30
			37114	24.00	25.50	1.50	0.03	0.30
			37115	25.50	27.00	1.50	1.21	2.00
			37116	27.00	28.50	1.50	0.02	1.10
			37117	28.50	30.00	1.50	0.01	0.70
			37118	30.00	31.50	1.50	0.20	2.40

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
32.45	**36.04**	**ANDESITIC CRYSTAL TUFF (5G4r2)**						
		Occasional short agglomeritic sections. Light grey aphanitic groundmass with crystals typically 2.0- 3.0 mm.						
32.70	33.60	0.5% sphalerite as disseminations. Trace pyrite.	37119	31.50	33.00	1.50	0.40	8.00
34.10	34.95	Estimated 7% pyrite as disseminations and clots.	37120	33.00	34.50	1.50	0.06	1.50
34.95	35.45	Quartz-carbonate stringer at 30 degrees to the C.A.						
			37121	34.50	36.00	1.50	0.43	4.30
36.04	**39.20**	**FZ (5TFa1)**						
		Core broken and rusty. Rusty zones at 40 degrees to the C.A. Some carbonate patches within the fault zone. Trace to 1% disseminated pyrite.						
			37122	36.00	37.50	1.50	0.38	2.20
			37123	37.50	39.00	1.50	0.02	1.40
39.20	**125.10**	**ANDESITIC CRYSTAL TUFF (5G4r2)**						
		Description as per 32.45-36.04 metres.						
39.67	39.70	Pyrrhotite patch.						
40.40	41.00	Fault?	37124	39.00	40.50	1.50	0.01	1.80
		Rusty weathered, manganese-stained material nearly parallel to the C.A.						
41.00	43.10	2% disseminated pyrite.	37125	40.50	42.00	1.50	0.02	1.00
43.10	43.70	25% disseminated pyrite, fine, granular.	37126	42.00	43.50	1.50	0.20	1.50
44.24	0.00	Pyrite patch 3.0 cm long by 1.0 cm wide.						
44.24	44.27	10% pyrite.						
			37127	43.50	45.00	1.50	0.01	0.40
45.90	47.90	4% finely disseminated pyrite.	37128	45.00	46.50	1.50	0.03	1.00
47.90	49.05	7% finely disseminated pyrite.	37129	46.50	48.00	1.50	0.06	1.00
		48.32-48.35: 5% coarse disseminated sphalerite.						
49.05	49.60	Dark chloritized section.	37130	48.00	49.50	1.50	0.03	0.50
49.60	50.90	7% finely disseminated pyrite.						
50.90	60.40	1-2% disseminated pyrite.	37131	49.50	51.00	1.50	0.38	4.40
			37132	51.00	52.50	1.50	0.13	1.50
			37133	52.50	54.00	1.50	0.08	1.70
			37134	54.00	55.50	1.50	0.16	3.50
			37135	55.50	57.00	1.50	0.07	2.00
			37136	57.00	58.50	1.50	0.06	1.20
			37137	58.50	60.00	1.50	0.01	0.50
60.40	61.30	Agglomeritic section with 1% pyrite.						
			37138	60.00	61.50	1.50	0.02	0.30
62.50	65.00	Several quartz-carbonate stringers, up to 1.0 cm, at 30-50 degrees to the C.A.	37139	61.50	63.00	1.50	0.03	0.60
		63.60: 1.5 cm quartz-carbonate stringer at 45 degrees to the C.A.	37140	63.00	64.50	1.50	0.17	0.60
		63.86-64.60: Quartz-carbonate stringer, both contacts irregular.						
			37141	64.50	66.00	1.50	0.14	1.10
			37142	66.00	67.50	1.50	0.06	0.30
68.30	69.50	Larger phenocrysts (up to 7.0 mm) in a crystal tuff horizon.	37143	67.50	69.00	1.50	0.15	1.00
			37144	69.00	70.50	1.50	0.35	3.40

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
71.07	0.00	2.0 cm wide rusty zone at 35 degrees to the C.A. (Fault?).						
71.07	71.70	5% finely disseminated pyrite. Slightly more siliceous.						
			37145	70.50	72.00	1.50	0.40	6.80
			37146	72.00	73.50	1.50	0.17	0.70
			37147	73.50	75.00	1.50	0.14	0.80
75.65	76.13	Chloritic section, estimate 5% pyrite.						
76.20	76.80	Rusty fracture nearly parallel to the C.A.	37148	75.00	76.50	1.50	0.36	5.70
77.20	77.40	Chloritic section, estimate 3% pyrite.						
			37149	76.50	78.00	1.50	0.21	2.20
78.00	79.80	Rusty fracture nearly parallel to the C.A. 78.20-79.00: Chloritic section, estimate 5% pyrite.	37150	78.00	79.50	1.50	0.18	1.50
79.80	82.00	Rusty fracture nearly parallel to the C.A.	37151	79.50	81.00	1.50	0.11	0.70
			37152	81.00	82.50	1.50	0.12	1.10
			37153	82.50	84.00	1.50	0.16	1.20
85.00	85.05	Unmineralized quartz-carbonate stringer at 45 degrees to the C.A.						
85.25	85.35	15% finely disseminated pyrite.						
			37154	84.00	85.50	1.50	0.18	1.10
86.20	86.70	Rusty fracture nearly parallel to the C.A.						
			37155	85.50	87.00	1.50	0.15	1.30
87.50	0.00	1.0 cm wide quartz-carbonate stringer, with 30% pyrite, at 40 degrees to the C.A.						
			37156	87.00	88.50	1.50	0.20	2.90
			37157	88.50	90.00	1.50	0.07	0.80
90.15	90.75	Rusty fracture nearly parallel to the C.A.						
			37158	90.00	91.50	1.50	0.06	0.50
92.10	93.00	Several rusty fractures at 5 degrees to the C.A.	37159	91.50	93.00	1.50	0.05	1.10
93.65	0.00	1.2 cm pyrite seam at 35 degrees to the C.A.						
			37160	93.00	94.50	1.50	0.07	1.20
95.67	95.74	7% sphalerite and 2% chalcopyrite.						
			37161	94.50	96.00	1.50	0.02	107.50
96.56	0.00	Rusty fracture with slickenslides at 35 degrees to the C.A.						
97.40	97.85	Rusty fracture nearly parallel to the C.A.	37162	96.00	97.50	1.50	0.04	2.10
			37163	97.50	99.00	1.50	0.09	0.80
			37164	99.00	100.50	1.50	0.05	0.70
101.85	102.10	12% disseminated pyrite.	37165	100.50	102.00	1.50	0.03	0.80
102.84	103.05	5% coarsely disseminated sphalerite.						
103.05	103.40	5% disseminated pyrite.						
			37166	102.00	103.50	1.50	0.20	2.70
			37167	103.50	105.00	1.50	0.02	2.30
106.30	0.00	Rusty fracture at 25 degrees to the C.A. (minor fault).						
			37168	105.00	106.50	1.50	0.04	1.00
107.00	0.00	Rusty fracture at 20 degrees to the C.A. (minor fault).						
			37169	106.50	108.00	1.50	0.02	1.30
109.38	0.00	1.2 cm quartz-carbonate stringer at 35 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			37170	108.00	109.50	1.50	0.06	1.10
109.65	110.15	Several narrow quartz-carbonate stringers at 35-40 degrees to the C.A.						
110.25	110.40	Quartz-carbonate stringer at 45 degrees to the C.A. with traces of sphalerite.						
110.50	110.60	Quartz-carbonate stringer at 45 degrees to the C.A. with traces of sphalerite.						
			37171	109.50	111.00	1.50	0.03	1.10
			37172	111.00	112.50	1.50	0.28	1.50
			37173	112.50	114.00	1.50	0.14	0.60
114.58	114.62	Near massive pyrite stringer at 80 degrees to the C.A.						
114.62	114.80	5% disseminated pyrite.						
116.20	116.50	Two rusty fractures at 25 degrees to the C.A.						
116.85	116.95	5.0 cm quartz-carbonate stringer at 40 degrees to the C.A.						
117.40	117.65	8.0 cm quartz-carbonate stringer at 35 degrees to the C.A.						
118.36	0.00	5.0 mm quartz-carbonate stringer, with 30% pyrite, at 60 degrees to the C.A.						
119.60	0.00	5.0 mm unmineralized quartz-carbonate stringer at 50 degrees to the C.A.						
121.90	0.00	2.0 cm quartz-carbonate stringer, with 40% pyrite, at 75 degrees to the C.A.						
124.15	124.70	60% quartz as 1.0-10.0 cm stringers at 45 degrees to the C.A.						
125.10	**145.67**	**ANDESITIC AGGLOMERATE (4a1)**						
		Andesite composition, some short crystal tuff sections. 0.5% pyrite overall, with some sections up to 1% disseminated pyrite.						
126.25	0.00	3.0 cm patch with coarse pyrite cubes.						
126.30	127.00	Numerous 3.0-5.0 mm quartz-carbonate stringers at 45 degrees to the C.A.						
128.65	130.35	Broken core.						
		129.05-129.20: 1.5 cm quartz stringer at 35 degrees to the C.A.						
130.75	131.50	Quartz stringer at 35 degrees to the C.A.						
			37187	130.50	132.00	1.50	0.07	0.40
132.00	136.50	1% finely disseminated pyrite.						
136.95	137.05	Quartz stringer, irregular contacts.						
142.10	0.00	1.0 cm quartz stringer at 45 degrees to the C.A.						
143.55	143.60	Quartz-carbonate stringer at 70 degrees to the C.A., with pyrite along margins.						
145.67	**145.67**	**E.O.H.**						

Hole No.	MZ89.002	Northing	0+29.20N	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	0+27.10E	Grid Azim.		153.0	- 50		ACID				
Location	MAIN ZONE	Elevation	1499.07	Length (m)	153.00								
Claim No.	DEL	Surv. E.		Dip-Collar	-46.30								
NTS	103P/13	Surv. W.		Bearing	162.45								
Started	07/25/89	Logged by	D.KENNEDY	Drill No.	1000/1								
Finished	07.26.89	Checked by	B.WILSON	Foreman	M.JOHNSTON								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
SUMMARY								
0.00	3.05	**CASING**						
3.05	11.35	**ANDESITIC CRYSTAL TUFF (5a2)**						
11.35	35.40	**ANDESITIC ASH TUFF (264r3)**						
35.40	42.88	**ANDESITIC CRYSTAL TUFF (5a1)**						
42.88	45.82	**ANDESITIC ASH TUFF (264r2)**						
45.82	48.00	**MINERALIZED ZONE (i80)**						
48.00	52.15	**ANDESITIC ASH TUFF (266k3)**						
52.15	62.90	**MINERALIZED ZONE (h40/x60)**						
62.90	153.00	**ANDESITIC ASH TUFF (266k2)**						
153.00	153.00	**E.O.H.**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**3.05**	**CASING**						
3.05	**11.35**	**ANDESITIC CRYSTAL TUFF (5a2)** Dark to light grey in colour. Phenocrysts to 5.0 mm. 2-3% finely disseminated pyrite. Some darker (chloritic ?) sections with coarser grained pyrite. A number of 1.0-5.0 mm unmineralized quartz-carbonate stringers at 35-55 degrees to the C.A.						
			38617	3.06	4.50	1.44	0.02	1.20
			38618	4.50	6.00	1.50	0.01	1.70
			38619	6.00	7.50	1.50	0.01	1.80
			38620	7.50	9.00	1.50	0.02	1.10
			38621	9.00	10.50	1.50	0.03	0.80
11.35	**35.40**	**ANDESITIC ASH TUFF (2B4r3)** Part crystal tuff, but generally grey in colour and fine-grained, often siliceous. Numerous dark green chloritic sections, often with coarse pyrite. 3-4% pyrite overall, often aligned along bedding (?) planes at 45 degrees to the C.A.						
			38622	10.50	12.00	1.50	0.01	1.50
13.45	13.50	Chloritic section, estimate 30% coarse pyrite.	38623	12.00	13.50	1.50	0.01	1.10
13.70	13.80	Chloritic section, estimate 30% coarse pyrite at 45 degrees to the C.A.						
			38624	13.50	15.00	1.50	0.01	2.00
15.83	15.90	Chloritic section, estimate 25% coarse pyrite at 50 degrees to the C.A.						
			38625	15.00	16.50	1.50	0.02	0.90
17.55	17.60	Chloritic section, estimate 20% coarse pyrite at 60 degrees to the C.A.						
17.75	18.03	15% quartz as irregular stringers and patches.	38626	16.50	18.00	1.50	0.01	1.60
			38627	18.00	19.50	1.50	0.02	0.90
			38628	19.50	21.00	1.50	0.02	1.00
			38629	21.00	22.50	1.50	0.01	0.70
			38630	22.50	24.00	1.50	0.01	1.00
24.60	0.00	Chloritic section with traces of sphalerite.						
			38631	24.00	25.50	1.50	0.01	1.80
			38632	25.50	27.00	1.50	0.01	2.20
27.90	29.50	Several rusty sections, generally associated with fractures at 50 degrees to the C.A.	38633	27.00	28.50	1.50	0.02	1.60
			38634	28.50	30.00	1.50	0.02	1.90
31.40	31.85	Estimate 2% sphalerite as disseminations and in fractures predominantely at 35 degrees to the C.A.	38635	30.00	31.50	1.50	0.01	2.30
			38636	31.50	33.00	1.50	0.01	2.70
33.95	34.14	Fault zone. Core broken and very rusty.						
34.14	34.80	35% pyrite. Weathered and manganese-stained. Brecciated, structure running	38637	33.00	34.50	1.50	0.18	4.60
35.05	35.40	Several rusty fractures at 45 degrees to the C.A.						
35.40	**42.88**	**ANDESITIC CRYSTAL TUFF (5a1)** Description as per 3.05-11.35 metres. 1% pyrite disseminated and small clots.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		Several unmineralized quartz-carbonate stringers at 60-70 degrees to the C.A.						
			38638	34.50	36.00	1.50	0.09	1.50
			38639	36.00	37.50	1.50	0.01	0.60
			38640	37.50	39.00	1.50	0.01	0.40
			38641	39.00	40.50	1.50	0.01	0.30
41.05	41.25	Quartz-carbonate patch. No measurable contacts.						
			38642	40.50	42.00	1.50	0.02	0.50
42.88	**45.82**	**ANDESITIC ASH TUFF (2G4r2)**						
		Fine-grained. Silicified and chloritized. 1.0-2.0 mm wide pyrite stringers at 70 degrees to the C.A. Occasional quartz-carbonate stringers, up to 6.0 mm, at 30 degrees to the C.A. Contains disseminated pyrite up to 10%. Increases in silicification down section.						
			38643	42.00	43.50	1.50	0.80	1.90
43.80	44.05	Sphalerite (2%) occurring in discontinuous quartz-carbonate stringers.						
			38644	43.50	44.50	1.00	0.19	1.80
44.62	45.82	Brecciated with a unmineralized quartz-carbonate matrix.	38645	44.50	45.50	1.00	1.18	1.80
45.82	**48.00**	**MINERALIZED ZONE (i80)**						
		Interval contains 80% pyrrhotite, 10% pyrite, and 1-2% chalcopyrite. Chloritic veinlets and patches, with no prefered orientation. Occasional quartz-carbonate veins with pyrite at 50-80 degrees to the C.A.						
			37174	45.50	47.00	1.50	2.35	4.50
48.00	**52.15**	**ANDESITIC ASH TUFF (2G6k3)**						
		1.5% each of pyrite and pyrrhotite.						
			37175	47.00	48.50	1.50	4.15	4.80
49.70	0.00	1.0 cm pyrite stringers at 45 degrees to the C.A. Several quartz-carbonate stringers at 50 degrees to the C.A.						
			37176	48.50	50.00	1.50	0.19	2.10
			37177	50.00	51.50	1.50	0.04	0.30
52.15	**62.90**	**MINERALIZED ZONE (h40/m60)**						
52.15	55.20	30% pyrrhotite, 10 pyrite, and trace chalcopyrite. Sulphides tend to be oriented at 25-30 degrees to the C.A.	37178	51.50	53.00	1.50	0.02	1.10
			37179	53.00	54.50	1.50	0.71	1.50
55.20	62.90	40% pyrrhotite, 18% pyrite, and 2% chalcopyrite. Mineralization is aligned at 20-35 degrees to the C.A.	37180	54.50	56.00	1.50	1.01	7.50
			37181	56.00	57.50	1.50	1.39	8.60
		55.25-56.25: 40% coarse crystalline pyrite associated with quartz-carbonate stringers often at 20-30 degrees to the C.A.	37182	57.50	59.00	1.50	6.05	3.20
			37183	59.00	60.50	1.50	0.43	1.70
			37184	60.50	62.00	1.50	0.17	1.40
62.90	**153.00**	**ANDESITIC ASH TUFF (2G6k2)**						
		2% disseminated pyrite, and traces to pyrrhotite. Occasional clots of pyrite.						
			37185	62.00	63.50	1.50	0.78	1.10
			37186	63.50	65.00	1.50	1.20	0.70
66.46	66.52	Unmineralized quartz-carbonate stringer at 75 degrees to the C.A.	37195	65.00	66.50	1.50	1.00	1.10

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			37196	66.50	68.00	1.50	0.57	1.90
			37197	68.00	69.50	1.50	0.22	0.60
			37198	69.50	71.00	1.50	0.06	0.60
71.85	72.30	Estimate 15% pyrite in quartz-carbonate stringers at 70 degrees to the C.A.						
			37199	71.00	72.50	1.50	0.47	2.10
			37200	72.50	74.00	1.50	0.43	1.40
75.45	75.55	10% coarse cubic pyrite.	37201	74.00	75.50	1.50	0.08	0.90
			37202	75.50	77.00	1.50	0.03	0.80
			37203	77.00	78.50	1.50	0.05	0.70
79.15	79.25	Unmineralized quartz-carbonate stringer at 80 degrees to the C.A.						
			37204	78.50	80.00	1.50	0.16	1.40
			37205	80.00	81.50	1.50	0.14	0.80
82.80	82.85	Quartz-carbonate, with 20% pyrite, stringer at 75 degrees to the C.A.						
			37206	81.50	83.00	1.50	0.20	0.50
			37207	83.00	84.50	1.50	0.25	0.60
			37208	84.50	86.00	1.50	0.19	0.90
86.60	86.90	20% pyrite, disseminated in veinlets at 45 degrees to the C.A.						
87.20	0.00	7.0 mm pyrite stringer at 45 degrees to the C.A.						
			37209	86.00	87.50	1.50	0.18	0.50
89.25	90.50	Mineralized quartz-carbonate vein at 20 degrees to the C.A.						
98.25	98.50	Altered silicified rusty zone containing 2% pyrite.						
101.87	101.95	15% pyrite as clots in quartz-carbonate stringer at 50 degrees to the C.A.						
104.90	104.97	Quartz-carbonate stringer at 30 degrees to the C.A., containing 2% sphalerite.						
110.48	110.60	Pyrite patch on one side of core, estimate 20% pyrite.						
110.70	0.00	2.0 cm pyrite stringer at 35 degrees to the C.A.						
111.30	111.45	10% pyrite in chloritic section.						
113.53	0.00	8.0 mm pyrite seam at 60 degrees to the C.A.						
113.60	0.00	8.0 mm pyrite seam at 60 degrees to the C.A.						
116.00	117.70	Quartz-carbonate stringer sub-parallel to the C.A. 10% pyrite, 2% chalcopyrite 124.00: 2.0 cm chloritic band at 20 degrees to the C.A., containing 50% finely disseminated pyrite.	37188	115.50	117.00	1.50	0.18	1.90
			37189	117.00	118.50	1.50	0.22	4.40
126.30	127.00	Several chloritic seams at 15 degrees to the C.A.						
127.60	127.80	Quartz-carbonate stringers at 20 degrees to the C.A.						
129.40	131.45	Quartz-carbonate stringer nearly vertical to the C.A., containing 3% pyrite associated with chloritic sections.						
132.90	133.80	Quartz-carbonate stringer at 10 degrees to the C.A., with trace pyrite. 135.22: Rusty fracture at 40 degrees to the C.A.						
138.80	138.12	Several rusty fractures at 45-70 degrees to the C.A.						
141.45	0.00	Quartz-carbonate stringer at 55 degrees to the C.A., rusty.						
145.05	0.00	1.0 cm quartz-carbonate stringer at 65 degrees to the C.A. 7% sphalerite.						
146.85	149.30	Several unmineralized quartz-carbonate stringers to 5.0 mm, nearly parallel to 30 degrees to the C.A.						
153.00	**153.00**	**E.O.H.**						

Hole No.	MZ89.003	Northing	0+29.20N	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	0+27.10E	Grid Azim.		91.7	- 61		ACID				
Location	MAIN ZONE	Elevation	1498.92	Length (m)	107.90								
Claim No.	DEL	Surv. E.		Dip-Collar	-60.20								
NTS	103 P/13	Surv. W.		Bearing	162.20								
Started	07/26/89	Logged by	B.WILSON	Drill No.	1000/1								
Finished	07/26/89	Checked by	A.D. BRAY	Foreman	M.JOHNSTON								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton

SUMMARY

0.00	2.13	CASING
2.13	11.15	ANDESITIC CRYSTAL TUFF (5a2)
11.15	26.50	ANDESITIC LAPILLI TUFF (364r2)
26.50	32.65	ANDESITIC ASH TUFF (266a3)
32.65	34.05	ANDESITIC AGGLOMERATE (464r2)
34.05	42.00	ANDESITIC ASH TUFF (265r1)
42.00	46.65	MINERALIZED ZONE (4C5r5)
46.65	75.80	INTERCALATED ANDESITIC ASH AND LAPILLI TUFF (2a2/3a2)
75.80	98.00	ANDESITIC AGGLOMERATE (464r1)
98.00	107.90	ANDESITIC LAPILLI TUFF (364r1)
107.90	107.90	E.O.H.

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**2.13**	**CASING**						
2.13	**11.15**	**ANDESITIC CRYSTAL TUFF (5a2)** Dark grey angular phenocrysts 1.0-9.0 mm (5-10%) and lighter grey irregular fragments 2.0-10.0 mm (1-5%) in a light grey, aphanitic groundmass. Several short agglomeritic sections. Finely disseminated pyrite, 1-3%, with some short sections up to 5%. In places, pyrite is concentrated along the planar bands and quartz-carbonate stringers.						
2.13	2.48	Rubbly core.						
2.48	2.88	Agglomerate band with patchy pyrite. Several chloritic bands, 3.0-5.0 mm wide, with approximately 20% pyrite at 35 degrees and 40 degrees to the C.A.						
4.25	0.00	Tiny pyrite-rich plane at 30 degrees to the C.A.						
4.60	0.00	Pyrite band with some quartz-carbonate at 30 degrees to the C.A.						
5.10	5.30	Agglomerate band at 25 degrees to the C.A. Pyrite patchy but averages 2-4%. Pyrite concentrated in chlorite rich band at upper contact.						
5.75	0.00	0.8 cm carbonate-chlorite stringer at 25 degrees to the C.A.						
6.10	6.20	Dark colored band with 3 - 4% pyrite.						
6.70	6.80	1.0 cm carbonante-chlorite bands at 45 and 35 degrees to the C.A.						
9.10	0.00	Rusty fracture at 15 degrees to the C.A.						
9.75	9.85	Rusty fractures at 45 and 30 degrees to the C.A.						
11.00	0.00	1.5 cm wide carbonate-iron carbonate-chlorite-pyrite vein at 5 degrees to the C.A.						
11.15	0.00	Pyrite-rich chloritic zone up to 2.0 cm wide around rusty carbonate-filled fault, with slickenslides at 15 degrees to the C.A. This unit appears to be in fault contact with next unit. The fault appears to be small.						
11.15	**26.50**	**ANDESITIC LAPILLI TUFF (36Wr2)** Irregular, dark colored chloritic areas and lighter grey areas. In places, the rock is very fragmented and composed of light grey angular blocks up to 20.0 cm across, bounded by dark chloritic areas. Some fragments are rounded and have concentric color bands (volcanic bombs ?). Pyrite is disseminated throughout (1-3%), generally concentrated more in the chloritic sections. Sphalerite occurs in carbonate stringers and as disseminations. Locally up to several percent. Lapilli tuff becomes more silicified towards the lower section.	37210	10.50	12.00	1.50	0.06	0.80
12.00	12.15	7-8% mainly in light grey material.	37211	12.00	13.50	1.50	0.06	1.00
13.85	13.95	Chloritic band with 7 - 8% disseminated pyrite.						
14.15	14.30	Disseminated pyrrhotite, possibly some sphalerite, with a small amount of chalcopyrite. 14.20-14.40: Quartz-calcite veinlets 1.0-8.0 mm wide at 40 degrees to the C.A.						
14.40	15.20	3-5% pyrite.	37212	13.50	15.00	1.50	0.14	1.60
15.70	0.00	1% disseminated pyrrhotite.	37213	15.00	16.50	1.50	0.09	1.10
17.85	18.30	Core rusty due to large fracture at 18.15 meters at approximately 20 degrees to the C.A. 18.05-18.20: Area above this fracture contains 1-2% disseminated sphalerite.	37214	16.50	18.00	1.50	0.06	1.00

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		Sphalerite also concentrated within 1.5-2.0 cm wide calcite-iron carbonate vein parallel to the fracture.						
18.35	18.70	Chloritic zone with 5 - 8% pyrite as clots and subhedral grains, 1.0-4.0 mm wide.						
19.05	0.00	Rusty, very irregular fracture.						
			37215	18.00	19.50	1.50	0.03	1.70
19.75	19.85	Pyrite concentration in chloritic area, about 8%.						
19.95	20.10	Veinlets, blebs and disseminations of sphalerite, some of it associated with carbonate. Several percent sphalerite.						
20.55	21.35	Predominantly banded tuff with banding at 50 degrees to the C.A. Local pyrite concentrations to 30% from 20.55 to 20.75 metres. Minor sphalerite associated with carbonate bleb.	37216	19.50	21.00	1.50	0.04	0.90
21.75	0.00	2.0 cm quartz-carbonate stringer, very irregular shape, with a general trend at 55 degrees to the C.A.						
22.00	26.50	Core is noticably silicified.	37217	21.00	22.50	1.50	0.01	0.90
		22.45-23.00: Sphalerite, as veinlets and blebs, in quartz-calcite-iron	37218	22.50	24.00	1.50	0.02	1.20
		carbonate veins and pods. Quartz-carbonate veinlets very irregular.	37219	24.00	25.50	1.50	0.11	0.60
		23.20-23.45: Chloritic band with about 10% pyrite.						
		24.75: Rusty fracture at 45 degrees to the C.A.						
		24.85-24.95: Two 8.0 mm quartz veinlets at 35 degrees to the C.A.						
26.50	**32.65**	**ANDESITIC ASH TUFF (266a3)**						
		Predominantly fine-grained banded tuff with the occasional volcanic bomb at 50-60 degrees to the C.A. Some layers quite chloritic and sulphide-rich, up to 30%. Light colored layers have a much lower pyrite concentration, 0.5-3%, depending on the layer. Sevgeral quartz-carbonate veins cut the core at various angles to the C.A. The entire unit is noticably silicified.						
26.50	27.05	Fine chloritic bands with 10% pyrite.	37220	25.50	27.00	1.50	0.15	1.20
27.35	0.00	2.5 cm quartz - carbonate vein at 35 degrees to the C.A.						
27.85	28.10	10.0 cm irregular quartz-carbonate vein 10.0 cm at 15 degrees to the C.A., with off-shoot veins, 1.2 mm wide, parallel to the C.A.. which diminishes by 28.40 metres. Vein contains minor pyrite.						
			37221	27.00	28.50	1.50	0.04	1.10
28.90	30.45	Chloritic band at approximately 45 degrees to the C.A.	37222	28.50	30.00	1.50	0.06	1.10
		29.80-30.05: Numerous quartz-carbonate veinlets, one with abundant coarse-grained pyrite adjacent to it, at 40-45 degrees to the C.A.						
		30.30-30.45: Chloritic band with approximately 30% pyrite.						
30.60	0.00	Abundant subhedral pyrite in seam.						
			37223	30.00	31.50	1.50	0.23	0.90
32.65	**34.05**	**ANDESITIC AGGLOMERATE (464r2)**						
		Light grey andesitic bombs (irregular shaped, fist-sized) and fragments in a chloritic matrix. Sulphide content variable from 0.5- 5% with overall average 1-2%. Mostly pyrite with minor sphalerite. Slightly silicified with some sericitic alteration. Minor quartz-carbonate stringers.						
32.65	0.00	Rusty fracture at approximately 30 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			37224	31.50	33.00	1.50	0.19	1.20
33.40	33.75	Sphalerite occurs as disseminations and in irregular veinlets with carbonate. Overall average of 0.5-1%. Prominent veinlets sub parallel to the C.A.						
34.05	0.00	Very rusty fracture.						
34.05	**42.00**	**ANDESITIC ASH TUFF (2E5r1)** Altered light grey in colour. Silicified and sericitized tuff. Overall appearance light grey with very little chlorite. Banding poorly preserved. Much of the core is mottled in appearance, with heavily sericitized areas forming an anastimosing network around more silicified areas. Abundant carbonate blebs and discontinuous veinlets. Pyrite more abundant in sericite-rich areas with overall concentration 0.5-1%. Minor sphalerite scattered throughout, primarily as veinlets. Rare chalcopyrite.	37225	33.00	34.50	1.50	0.13	1.80
35.05	35.10	Abundant discontinuous irregular hair-like (0.5 mm) black veinlets, mostly filled with pyrite.						
35.11	0.00	Prominent fracture with heavily weathered 10.0 cm wide rusty zone. Pyrite-rich pod 1.5 cm wide.						
35.60	0.00	2.0 mm wide bleb of dark black very hard mineral (tourmaline?).						
35.90	36.20	Weak banding at 45-50 degrees to the C.A.	37226	34.50	36.00	1.50	0.03	1.10
36.20	36.50	Minor sphalerite within veinlets and pods of carbonate.						
37.00	37.20	Minor sphalerite (same as 36.20-36.50 metres) with overall average of 0.5%.	37227	36.00	37.50	1.50	0.01	0.10
37.65	38.00	Rusty fractures at 15-75 degrees to the C.A. Tiny blebs, 0.5-3.0 mm, of black mineral (tourmaline?).						
38.05	38.60	Abundant irregular quartz-carbonate.						
38.60	38.85	Less than 0.5% finely disseminated sphalerite.	37228	37.50	39.00	1.50	0.03	0.10
39.00	39.20	Less than 0.5% finely disseminated sphalerite in a sericite band.						
39.60	39.90	Sphalerite, disseminated and in veinlets, locally up to 1% but averaging less than 0.5% overall.						
40.05	40.35	Spahlerite, mainly as tiny veinlets, locally up to 1%. Minor chalcopyrite.	37229	39.00	40.50	1.50	0.03	0.20
40.84	0.00	Rusty fracture, with 3.0 cm rusty zone, at 90 degrees to the C.A. Minor sphalerite.						
41.20	41.60	Less than 0.5% sphalerite.	37230	40.50	41.30	0.80	0.01	0.10
41.80	0.00	Very rusty fracture at 30 degrees to the C.A., with 3.0 cm wide rusty zone.						
42.00	0.00	Very rusty fracture at 25 degrees to the C.A., with 30.0 cm wide rusty zone. (fault?).						
42.00	**46.65**	**MINERALIZED ZONE (4C5r5)** A very heterogenous mix of agglomerate with varying amounts of sulphide and irregular masses of quartz-carbonate material. Much of the quartz-carbonate material contains sulphides up to 30%. Overall sulphide content estimated to be 5%. Sulphides are predominantly pyrite with minor sphalerite.						
42.00	42.50	Predominantly agglomerate.	37190	41.00	42.50	1.50	0.18	1.60
42.50	42.65	Predominantly quartz-carbonate.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
42.65	43.05	Predominantly agglomerate, pyrite content irregular, approximately 7%.						
43.05	44.80	Predominantly quartz-carbonate material with 10% sulphides.	37191	42.50	44.00	1.50	4.48	64.50
44.80	45.85	Predominantly agglomerate with 2% pyrite.	37192	44.00	45.50	1.50	1.99	17.40
45.85	46.00	Predominantly quartz-carbonate.						
46.00	46.50	Predominantly agglomerate.						
46.50	46.65	Predominantly carbonate breccia (fault?).						
		Rusty fractures at 42.50, 42.80, 42.95, 44.00, 46.00, 46.15, 46.25 and 46.50 metres at 45, 60, 45, 40, 40, 30, 90 and 50 degrees to the C.A.						
46.65	**75.80**	**INTERCALATED ANDESITIC ASH AND LAPILLI TUFF (2a2/3a2)**						
		Overall light grey appearance. Ranges from a very fine-grained tuff to a tuff with fragments up to 2.0 cm. Average size is approximately 2.0-3.0 mm. Small sections in which the fragments ar coarser. Overall sulphide content 1-2%, but increases to several percent or more lower down in the interval. Short sections average 10% or more. Sulphides consist mainly of disseminated pyrite and pyrrhotite, with minor sphalerite and trace galena.						
46.65	49.00	Fine-grained to aphanitic.	37193	45.50	47.00	1.50	0.42	2.20
		46.75: 1.5 cm quartz-carbonate vein at 50 degrees to the C.A.	37194	47.00	48.50	1.50	0.18	0.70
		47.45: Quartz-carbonate-pyrite pod. Locally the pyrite concentration is 10%.						
		47.60: 2.0 cm quartz-carbonate-pyrite vein (20% pyrite) at 45 degrees to the C.A.						
		47.90-48.10: Rusty fractures at 30 and 15 degrees to the C.A.						
49.10	58.80	Fragments very distinct, average 2.0-3.0 mm, generally closely packed.	37231	48.50	50.00	1.50	0.23	0.10
		Sulphide content averages 0.5 - 1%.	37232	50.00	51.50	1.50	0.05	0.10
		49.35: 2.0 cm quartz-carbonate vein at 35 degrees to the C.A.	37233	51.50	53.00	1.50	0.09	0.10
		50.75: 6.0 cm quartz-carbonate vein at 20 degrees to the C.A.. containing less than 0.5% sulphides.	37234	53.00	54.50	1.50	0.05	0.10
		51.00: Small area with less than 0.5% disseminated sphalerite.	37235	54.50	56.00	1.50	0.02	0.10
		51.40-51.55: 40% pyrite.	37236	56.00	57.50	1.50	0.02	0.10
		51.55: Rusty fracture, with 1.5 cm band of rust on either side, at 30 degrees to the C.A.						
		51.85-52.00: Rusty fracture, with 1.5 cm band of rust on either side, at 35 degrees to the C.A.						
		53.30: 10.0 cm wide pyrite band averaging 10 % euhedral cubic pyrite.						
		53.45: 2.5 cm quartz-carbonate vein at 40 degrees to the C.A.						
		53.45-53.75: Coarse agglomerate unit, bounded by quartz-carbonate veins on either sides, containing less than 0.5% pyrrhotite.						
		53.75: 2.0 cm quartz-carbonate vein at 80 degrees to the C.A.						
		54.35: 5.0 cm wide chloritic band averaging 15% pyrite.						
		54.55-54.80: Area contains 3% euhedral pyrite 2.0-3.0 mm across.						
		56.75-56.95: 3-5% coarse euhedral pyrite, 2.0-4.0 mm across.						
		58.45: 5.0 cm wide band with two quartz-carbonate-pyrite veins, 1.0-1.5 cm wide at 60 degrees to the C.A.						
58.95	0.00	2.0-3.0 cm wide quartz-carbonate vein at 45 degrees to the C.A.	37237	57.50	59.00	1.50	0.02	0.10
			37238	59.00	60.50	1.50	0.01	0.10
61.20	61.60	Low angle quartz-carbonate vein 1.0-3.0 cm wide, with minor sphalerite. Less than 0.5% sphalerite and pyrite in fractures and veinlets.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
61.85	62.85	Section has abundant pyrrhotite with minor pyrite and chalcopyrite. Pyrrhotite appears to totally and partially replace tuff fragments as well as the matrix. Two 2.5 cm sections average 25% pyrrhotite. Overall average for this section is 10-15% sulphide (80% pyrrhotite, 20% pyrite and trace chalcopyrite).	37239	60.50	62.00	1.50	0.01	0.40
63.20	64.50	Agglomerate, with 2% pyrite.	37240	62.00	63.50	1.50	0.03	1.60
64.50	0.00	2.4 cm quartz-carbonate-sulphide vein at 65 degrees to the C.A.. Sulphides include pyrite (65%), sphalerite (33%) and galena (2%).						
			37241	63.50	65.00	1.50	0.02	0.60
67.65	0.00	2.5 cm pyrite-rich band at 60 degrees to the C.A.						
69.00	69.95	Sulphide content 3-5% (pyrite 95%, pyrrhotite 5%).	37258	68.00	69.50	1.50	0.16	0.10
			37259	69.50	71.00	1.50	0.11	0.10
71.65	72.45	5% pyrite.						
			37260	71.00	72.50	1.50	0.41	0.70
73.05	73.20	10-15% pyrite.						
			37261	72.50	74.00	1.50	0.01	0.10
			37262	74.00	75.50	1.50	0.04	0.10
75.55	75.85	5% pyrite and 0.5% sphalerite associated with carboante pods.						
75.80	**98.00**	**ANDESITIC AGGLOMERATE (464r1)** Light grey in colour. Slightly silicified angular and rounded fragments in a chloritic or porphyritic matrix. Numerous quartz-carbonate veins. Sulphide content variable and patchy, but averages 1% or less. Predominantly pyrite with trace sphalerite.						
76.70	77.20	Numerous quartz-carbonate veins at 25 degrees to the C.A.	37263	75.50	77.00	1.50	0.05	1.40
77.80	78.10	Dark coloured chloritic matrix and angular andesitic fragments (breccia?).						
78.30	78.50	Predominately dark coloured chloritic material (banded almost like a mylonite).	37264	77.00	78.50	1.50	0.03	0.20
78.70	0.00	10.0 cm wide quartz-carbonate vein at 90 degrees to the C.A.						
84.80	0.00	2.0 cm wide pyrite band at 35 degrees to the C.A.						
84.90	0.00	Rusty fracture at 30 degrees to the C.A.						
91.55	0.00	1.0 wide carbonate vein, with minor sphalerite, at 15 degrees to the C.A.						
95.70	0.00	10.0 cm band of pyrite-rich breccia-like material. Pyrite is mostly very fine-grained and occurs around carbonate fragments. This probably represents slip along a pyrite-carbonate vein at 20 degrees to the C.A.						
96.30	96.50	Patches and stringers of pyrite (7%) with carbonate.						
97.35	0.00	Trace sphalerite within a quartz-carbonate stringer.						
98.00	**107.90**	**ANDESITIC LAPILLI TUFF (364r1)** Fragments range from cobble to bomb-sized, but 2.0-4.0 cm sized fragments predominate. Fragments range in composition from light grey andesite to a dark grey green chloritic material. Some chloritic fragments have phenocrysts of plagioclase making up 5-20%. Light grey aphanitic andesitic matrix. Slightly silicified. Pyrite occurs as subhedral grains in matrix, as irregular patches, clots and partially replacing some fragments and phenocrysts. Overall average of 1% or less. Trace sphalerite.						
99.35	0.00	1.0 cm wide quartz-carbonate-sphalerite veinlet at 40 degrees to the C.A.						
101.50	0.00	Minor sphalerite in quartz-carbonate pods, 0.8 mm wide 2.0-7.0 cm long.						
103.00	0.00	1.0 cm band of 25% pyrite.						
104.45	0.00	Irregular patches of pyrite 7.0 cm wide.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
107.90	107.90	E.O.H.						

Hole No.	MZ89.004	Northing	0+29.20N	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	0+27.10E	Grid Azim.		33.5	- 46		ACID	92.7	- 37		ACID
Location	MAIN ZONE	Elevation	1499.06	Length (m)	133.15								
Claim No.	DEL	Surv. E.		Dip-Collar	-45.30								
NTS	103 P/13	Surv. W.		Bearing	169.45								
Started	07/27/89	Logged by	B.WILSON	Drill No.	1000/1								
Finished	07/28/89	Checked by	A.D. BRAY	Foreman	M.JOHNSTON								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		SUMMARY						
0.00	2.13	**CASING**						
2.13	15.40	**ANDESITIC CRYSTAL TUFF (5a2)**						
15.40	25.30	**INTERCALATED ANDESITIC AGGLOMERATE AND CRYSTAL TUFF (4F8r3/5F8r3)**						
25.30	35.95	**ANDESITIC ASH TUFF (167r2)**						
35.95	48.60	**MINERALIZED ZONE (3A5t15)**						
48.60	58.80	**ANDESITIC ASH TUFF (2A5t1)**						
58.80	63.05	**ANDESITIC LAPILLI TUFF (3A7t3)**						
63.05	69.90	**MINERALIZED ZONE (4A7m20)**						
69.90	72.25	**ANDESITIC ASH TUFF (2A5a2)**						
72.25	80.30	**INTERCALATED ANDESITIC ASH AND LAPILLI TUFF (2A5t2/3A5t2)**						
80.30	133.11	**ANDESITIC LAPILLI TUFF (3A6r2)**						
133.15	133.15	**E.O.H**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**2.13**	**CASING**						
2.13	**15.40**	**ANDESITIC CRYSTAL TUFF (5a2)** Dark grey green and light grey green phenocrysts 2.0-8.0 mm in an aphanitic greasy light green matrix. Finely disseminated pyrite 1-3% also occurs on fractures and within carbonate-quartz veins. Cut by several carbonate-quartz veins, up to 1.0 cm thick, at 25-30 degrees to the C.A.						
2.13	3.10	Surface rubble.						
3.10	3.75	Agglomerate with chloritic patches. 3% pyrite irregularly distributed.						
10.10	0.00	Pyrite rich-band (25%), 2.5 cm wide, at 25 degrees to the C.A.						
14.15	0.00	Rusty, weathered 1.5 cm carbonate vein at 30 degrees to the C.A.						
14.20	14.60	Agglomerate section.						
14.70	15.00	10% pyrite.						
15.40	**25.30**	**INTERCALATED ANDESITIC AGGLOMERATE AND CRYSTAL TUFF (4FBr3/5FBr3)** Various heterogenous unit consisting of andesitic and chloritic fragments of various sizes, ranging from several mm's to 10.0 cm or more, in a fine grained to aphanitic matrix. Unit contains several sections of crystal tuff. The unit is silicified and carbonitized to varying degrees. Some areas are intensely altered. Sericite alteration is probably pervasive, but is intense in several places. Patchy distribution of sulphides, often occuring in association with chlorite, and along fractures. Overall average approximately 3% pyrite, trace sphalerite, and trace pyrrhotite.						
21.95	0.00	Trace pyrrhotite.						
			37250	21.00	22.50	1.50	0.01	0.20
22.60	0.00	Banding (bedding in tuff?) at 45 degrees to the C.A.						
			37251	22.50	24.00	1.50	0.01	0.40
24.20	24.70	1% sphalerite as disseminations, in tiny stringers and in veins with carbonate.						
24.70	24.80	Three heavily weathered fractures at 70 and 45 degrees to the C.A. Two of the fractures have calcite in them.						
25.30	0.00	Very irregular break filled with surface soil (does not appear to be fault gouge).						
25.30	**35.95**	**ANDESITIC ASH TUFF (16?r2)** Predominantly light grey, fine-grained to aphanitic tuff with bedding at 45 - 60 degrees to the C.A.. Intensily altered (silicification, carbonitization and patches of sericitization). Sulphides occur in fractures and veins, and, in places, appear to parallel bedding. Pyrite 1 - 2%, trace sphalerite.						
			37252	24.00	25.50	1.50	0.01	1.30
25.50	26.05	Five rusty fractures at 50 degrees to the C.A. 26.00-26.10: 20% pyrite in bands parallel to fractures.						
26.45	29.50	Numerous rusty weathered fractures at 60 degrees to the C.A. One of the fractures has 2.0 mm of soil in it.	37253	25.50	27.00	1.50	0.02	0.80
			37254	27.00	28.50	1.50	0.01	0.70
29.60	30.30	0.5% sphalerite veinlets, with carbonate, up to 5.0 mm.	37255	28.50	30.00	1.50	0.02	0.40
30.50	32.80	Very rusty weathered section with dozens of subparallel fractures at 55-60 degrees to the C.A. Manganese staining in places. 32.20-32.40: Rubble, probably due to a fault. 32.50-33.00: Trace sphalerite.	37256	30.00	31.50	1.50	0.01	1.40

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			37257	31.50	33.00	1.50	0.01	1.90
33.25	33.35	Rubble (fault zone?).						
33.60	34.40	One rusty fracture at 40-80 degrees to the C.A.						
			37265	33.00	34.50	1.50	0.23	5.70
35.00	0.00	Bedding at 20 degrees to the C.A.						
35.95	**48.60**	**MINERALIZED ZONE (3A5t15)** Predominently medium-grained (1.0-3.0 mm) fragments in light grey to darker chloritic matrix. Larger fragments (3.0-15.0 mm) dominate locally, and short sections consist of very fine grained tuff. Bedding is at approximately 40-45 degrees to the C.A. Some sections very chloritic and short sections appear highly altered (silicification and carbonitization). Carbonate-quartz veins, stringers and blebs common (veins at 40-50 degrees to the C.A.). Sulphides show very patchy distributions, some sections to 40%, overall average hard to determine, but approximately 10-20% (pyrite 78%, pyrrhotite 20%, sphalerite 1-2%, and trace galena).						
35.95	37.40	Sulphide content 5-7% (pyrite 6.5%, pyrrhotite .5%, sphalerite trace), occurs as bands and disseminations.	37266	34.50	36.00	1.50	0.06	0.80
37.40	38.40	Sulphides occur in association with irregular quartz-carbonate wisps and undulating, interconnecting pods in a very chloritic tuff. Sulphide content 8-10% (pyrite 4%, pyrrhotite 4%, sphalerite 1%, galena trace).	37267	36.00	37.50	1.50	0.93	28.60
38.40	39.00	Pyrite approximately 40%, sphalerite trace. Pyrite occurs as wispy bands at 40-50 degrees to the C.A. in a chloritic tuff(?) and in quartz (38.65-38.85metres)	37268	37.50	39.00	1.50	6.75	135.50
39.35	0.00	Wispy bands of pyrite (5%) and clots of pyrrhotite (5%).						
			37269	39.00	40.50	1.50	0.04	3.90
			37270	40.50	42.00	1.50	0.07	2.40
42.60	43.75	7-8% sulphide as wisps and clots. In one place sphalerite occurs as elongated 1.0 mm blebs parallel to bedding at 20 degrees to the C.A. 2% pyrrhotite, 5.5% pyrite and 0.5% sphalerite.	37271	42.00	43.50	1.50	0.02	3.10
			37272	43.50	45.00	1.50	0.17	1.50
45.70	45.80	Less than 0.5% sphalerite as narrow stringers and wisps.						
46.40	48.20	Heavily mineralized, 20% sulphides as clots, bands(at 20 degrees to the C.A.), wisps and fine disseminations. Pyrite 19%, pyrrhotite 0.5%, sphalerite 0.5%.	37273	45.00	46.50	1.50	0.09	2.60
			37274	46.50	48.00	1.50	29.75	27.80
48.60	**58.80**	**ANDESITIC ASH TUFF (2A5t1)** Predominantly very fine-grained with several slightly coarser, and agglomeritic section (last meter of section is agglomerate). Chlorite spots (0.5-3.0 mm) and a few chlorite patches account for 10% of unit. In places chlorite spots coalese to outline bedding at 15-20 degrees to the C.A. Light coloured spots similar to the chlorite spots in size and abundance occur sporadically throughout this unit, and appear to be composed of quartz-carbonate. Sulphide content is low overall, less than 0.5%, and dominated by pyrite as euhedral grains up to 2.0 mm, and as pyrite-rich bands 0.5-1.5 cm wide. In sections it averages several percent (pyrite, pyrrhotite, sphalerite).						
48.60	49.60	2% pyrite with minor pyrrhotite.	37275	48.00	49.50	1.50	2.17	3.10
49.60	50.10	Minor pyrrhotite.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			38646	49.50	51.00	1.50	0.01	0.60
52.00	52.20	Three quartz-carbonate veins, 0.6- 2.0 cm wide, at 45-90 degrees to the C.A. Locally 2 - 3% pyrite.						
			38647	51.00	52.50	1.50	0.01	1.10
			38648	52.50	54.00	1.50	0.01	0.10
54.60	0.00	1.0-1.5 cm pyrite-rich band at 55 degrees to the C.A.						
			38649	54.00	55.50	1.50	0.03	0.30
56.90	57.65	Chlorite-rich section averaging 3-4% sulphides as fine disseminations and/or blebs associated with irregular pods of carbonate. 2% of each pyrite and pyrrhotite. Chlorite bands at 20 degrees to the C.A.	37276	55.50	57.00	1.50	0.15	0.40
			37277	57.00	58.50	1.50	0.16	1.20
58.70	0.00	4.0 cm wide irregular quartz-carbonate vein, with pyrite and sphalerite, at 50 degrees to the C.A.						
58.80	**63.05**	**ANDESITIC LAPILLI TUFF (3A7t3)** Highly chloritic fine to medium-grained tuff with varying amounts of sulphides. In part highly mineralized and carbonitized.						
			37278	58.50	59.50	1.00	1.81	10.30
60.30	61.00	Chloritic tuff with patches of pyrrhotite (6%), pyrite (0.5%), and trace chalcopyrite. Abundant carbonate alteration. Carbonate usually surrounds the pyrrhotite. Apparent core angles of about 15 degrees.	37242	59.50	61.00	1.50	5.14	1.30
			37242M	59.50	61.00	1.50	4.98	
61.00	62.00	Chloritic tuff with minor pyrrhotite and pyrite.						
61.20	0.00	A few specks of VISIBLE GOLD associated with carbonate, pyrrhotite and chalcopyrite.						
61.60	0.00	2.0 cm thick vein of coarse calcite and a sugar mixture of quartz and chlorite.						
62.00	63.05	Highly altered and mineralized chloritic tuff. Pervasive carbonate alteration. Pyrrhotite in patches and stringers with quartz and carbonate. Minor pyrite, trace chalcopyrite and 8% pyrrhotite.	37243	61.00	62.50	1.50	18.63	9.20
			37243M	61.00	62.50	1.50	23.03	
63.05	**69.90**	**MINERALIZED ZONE (4A7m20)** Sulphides occur in highly altered chloritic rock (agglomerate?) with abundant carbonate-quartz. Pyrrhotite is wispy in appearance, most pyrite is euhedral to subhedral. Semi-massive magnetite occurs over 30.0 cm interval near bottom of section. Top 5.35 meters is pyrrhotite dominant, bottom 1.5 meters is pyrite dominant.						
63.05	68.40	Pyrrhotite dominates. 30% pyrrhotite, 3% pyrite, less than 0.5% chalcopyrite.	37244	62.50	64.00	1.50	6.54	34.80
		63.05: Upper sulphide content at 35 degrees to the C.A.	37244M	62.50	64.00	1.50	7.90	
		65.30: Semi-massive sulphides with poorly defined bands parallel to the C.A.	37245	64.00	65.50	1.50	8.59	93.20
		65.85: Weak to poorly defined banding at 40 degrees to the C.A.	37245M	64.00	65.50	1.50	8.16	
		66.00-66.40: Weak to poorly defined banding parallel to the C.A.	37246	65.50	67.00	1.50	5.62	45.80
		66.80: Banding at 35 degrees to the C.A.	37246M	65.50	67.00	1.50	5.31	
		67.70: Poorly defined banding, at 30 degrees to the C.A., in semi-massive sulphide.						
		68.10: Banding at 30 degrees to the C.A.						
68.40	69.90	Pyrite dominates. 20% pyrite, less than 0.5% pyrrhotite and less than 0.5% sphalerite.	37247	67.00	68.50	1.50	4.15	126.40
			37247M	67.00	68.50	1.50	4.25	

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		68.95-69.25: 25% magentite with pyrite, pyrrhotite, calcite and epidote? 69.70: Local concentration of sphalerite, approximately 7% over 5.0 cm, and minor galena.						
69.90	**72.25**	**ANDESITIC ASH TUFF (2A5a2)** Medium-grained, light grey, slightly chloritic andesitic ash tuff. Fragments generally less than 1.0 mm, but in places they range up to 2.0 cm. Sulphides disseminated throughout at about 2-3% pyrite, but slightly higher content in the lower 30.0 cm of this unit where pyrite is associated with carbonate.	37248	68.50	70.00	1.50	4.22	10.60
			37248M	68.50	70.00	1.50	2.69	
71.00	71.20	Irregular patch (vein) of carbonate, 15.0-20.0 cm wide, with associations of pyrite on either side.						
71.25	0.00	Two parallel quartz veins, 1.5 cm wide, at 50 degrees to the C.A.						
			37249	70.00	71.50	1.50	0.02	0.50
72.25	**80.30**	**INTERCALATED ANDESITIC ASH AND LAPILLI TUFF (2A5t2/3A5t2)** Angular fragments 2.0-30.0 mm in size in a medium grained matrix. Fragments range from light grey to dark grey green (andesitic to chloritic), some are porphyritic. Fragment size varies widely from place to place. Some sections are predominantly a medium-grained lapilli tuff. Sulphides are dominantely pyrite (approximately 2-3%) with minor chalcopyrite, sphalerite and galena. Higher concentrations occur locally.	37279	71.50	73.00	1.50	0.01	1.00
73.30	73.40	6.0 cm wide carbonate-pyrite vein-like concentration(20% pyrite) at 55 degrees to the C.A.						
73.50	74.20	Two veins of pyrite-carbonate-sphalerite-galena, (0.3 cm and 0.8 cm) at 45 degrees to the C.A. (pyrite 80%,sphalerite 9%,carbonate 10%,galena 1%).	37280	73.00	74.50	1.50	0.18	5.70
74.85	75.00	Pyrite as disseminations, veinlets and veins at 60 degrees to the C.A. Overall average of 7%.	37281	74.50	76.00	1.50	0.07	3.00
76.70	0.00	1.0 cm quartz-chlorite vein, and a 2.0-10.0 pyrite vein cut each other at 60 degrees to the C.A. Pyrite vein is at 45 degrees to the C.A. and the quartz vein is at 30 degrees to the C.A.						
77.10	77.20	10.0 cm quartz-carbonate-chlorite vein with minor sphalerite at 25 degrees to the C.A.						
77.20	80.30	Matrix is chloritic in places. Grain size varies inconsistantly from very fine to coarse-grained (up to 7.0 mm). 78.40-78.65: 15.0 cm carbonate vein, with approximately 2-3% pyrite, at 50 degrees to the C.A. 78.85-79.00: 10.0% pyrite as disseminations and as a band at 25 degrees to the C.A. 79.40: 2.0 cm fine-grained pyrite band at 30 degrees to the C.A.	37282	76.00	77.50	1.50	0.03	2.20
			37283	77.50	79.00	1.50	0.05	2.50
80.30	**133.11**	**ANDESITIC LAPILLI TUFF (3A6r2)** Angular fragments of various sizes in a fine to medium-grained, light grey or dark grey green chloritic matrix. Fragments are predominantly 0.5-2.5 cm in						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		size, although there are sections of large fragment agglomerate, up to 15.0 cm. Fragments vary in composition from andesite to chlorite-rich and range in texture from massive aphanitic to porphyritic. Fragments sizes vary widely from place to place. Sulphides consist mainly of disseminated pyrite, 1-2%, although minor pyrrhotite and sphalerite occur in places. High concentrations of sulphides occur locally. Pyrrhotite occurs mainly as disseminations in the upper part of the unit. Silicification occurs adjacent to some carbonate-quartz veins lower in the section.						
			37284	79.00	80.50	1.50	0.35	2.20
80.70	81.00	Very chloritic section where chlorite forms wisps and the matrix. Small breccia-like areas with fragments 2.0-15.0 mm across.						
81.70	81.80	Pyrite bands and pods occur with carbonate, over a width of 10.0 cm, at 50-80 degrees to the C.A.						
			37285	80.50	82.00	1.50	6.30	17.10
			37286	82.00	83.50	1.50	0.01	1.00
83.80	0.00	Pyrrhotite concentration approximately 2% over 5.0 cm.						
			37287	83.50	85.00	1.50	0.02	1.40
86.40	0.00	Sphalerite in 1.0 mm wide carbonate vein at 25 degrees to the C.A.						
			37288	85.00	86.50	1.50	0.02	2.50
87.50	0.00	Very rusty fracture and quartz veinlet (1.0-8.0 mm wide) at 55 degrees to the C.A. (small fault?).						
			37289	86.50	88.00	1.50	0.04	1.90
			37290	88.00	89.50	1.50	0.01	0.90
90.80	91.10	4.0 cm wide carbonate-quartz vein at 50 degrees to the C.A., with 2.0 mm wide border of pyrite on one side. On either side of the vein is a 10.0 cm wide bleached alteration zone, probably silicification and carbonatization. Within this zone, on one side, are several 1.0 mm stringers of sphalerite.	37291	89.50	91.00	1.50	0.01	1.00
92.30	92.80	Five very rusty fractures (fault ??) at 35, 45 and 65 degrees to the C.A. Also two zones (1.5-2.5 cm wide) of quartz-carbonate veins, with minor sphalerite, at 60 degrees to the C.A. This area is more silicified and carbonatized than the surrounding core. This may be due to alteration associated with the quartz -carbonate veins, but the rusty fractures complicate the area.	37292	91.00	92.50	1.50	0.10	15.40
			37293	92.50	94.00	1.50	0.18	2.30
96.30	97.10	Zone of intense silicic and carbonate alteration. In the central area are two quartz-carbonate veins, about 1.5 cm wide, at 60 and 40 degrees to the C.A., and three very rusty fractures at 60 degrees to the C.A.						
97.50	0.00	Carbonate-quartz vein, with minor sphalerite, at 70 degrees to the C.A.						
98.65	0.00	Rusty fracture at 45 degrees to the C.A.						
105.95	0.00	2.5 cm wide carbonate-pyrite pod (35% pyrite).						
106.40	0.00	Pyrrhotite replaces and partially replaces plagioclase phenocrysts in a 6.0 cm fragment.						
107.60	109.40	Intense pervasive silicic and carbonate alteration in this section. 107.75-107.90: Carbonate vein at 60 degrees to the C.A. 107.95: 10.0 mm carbonate-quartz vein at 60 degrees to the C.A. 108.00: Minor sphalerite and pyrite pod, 10.0 mm wide. 108.10-108.40: Rusty area associated with several rusty fractures at 35-45 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		108.70: Rusty area due to irregular fracture. 108.90-109.00: Irregular carbonate vein, 10.0 cm wide, with minor pyrite and chalcopyrite. 109.10-109.60: Fine-grained andesitic ash tuff.						
109.60	0.00	Rusty fracture at 25 degrees to the C.A.						
110.80	0.00	2.0 cm wide carbonate vein, at 75 degrees to the C.A., with a 7.0-10.0 cm bleached and altered zone on each side.						
113.25	0.00	2.0 cm wide carbonate vein, at 70 degrees to C.A., with a 4.0 cm bleached zone on either side.						
115.40	0.00	5.0 cm pyrite-rich band with carbonate (45% pyrite), at 65 degrees to the C.A.						
117.15	0.00	2.0 cm wide carbonate-pyrite vein at 15 degrees to the C.A. (35% pyrite).						
117.30	117.50	Trace sphalerite as tiny blebs.						
119.50	0.00	2.0 cm wide carbonate vein at 40 degrees to the C.A. This appears parallel to several smaller carbonate veins nearby.						
122.95	0.00	10.0-15.0 mm wide pyrite-carbonate-quartz vein at 45 degrees to the C.A.						
126.05	0.00	2.5 cm wide carbonate-quartz vein at 45 degrees to the C.A.						
128.45	128.55	7.5 mm wide carbonate-quartz vein, with minor pyrite and sphalerite, at 45 degrees to the C.A.						
128.70	0.00	Irregular carbonate-pyrite stringers, 5.0-10.0 mm wide, abundant in 5.0 cm sections of core. 8% pyrite.						
129.70	0.00	Quartz-carbonate vein, 20.0 mm wide, at 45 degrees to the C.A.						
133.15	0.00	Quartz-carbonate vein, 10.0 mm wide, at 30 degrees to the C.A.						
133.15	**133.15**	**E.O.H**						

Hole No.	MZ89.005	Northing	0+29.20N	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	0+27.10E	Grid Azim.		84.7	- 56		ACID	154.9	- 58		ACID
Location	MAIN ZONE	Elevation	1489.00	Length (m)	154.86								
Claim No.	DEL	Surv. E.		Dip-Collar	-60.00								
NTS	103 P/13	Surv. W.		Bearing	170.00								
Started	07/28/89	Logged by	B.WILSON	Drill No.	1000/1								
Finished	07/29/89	Checked by	A.D. BRAY	Foreman	M.JOHNSTON								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
SUMMARY								
0.00	3.38	CASING						
3.38	4.80	INTERCALATED ANDESITIC ASH TUFF AND AGGLOMERATE (2A5d3/4A5d3)						
4.80	18.00	ANDESITIC CRYSTAL TUFF (5A5a2)						
18.00	26.25	ANDESITIC AGGLOMERATE (4A5t3)						
26.25	34.70	INTERCALATED ANDESITIC LAPILLI TUFF AND AGGLOMERATE (3A5a3/4A5a3)						
34.70	44.30	ANDESITIC ASH TUFF (2A5t2)						
44.30	47.20	ANDESITIC AGGLOMERATE (4A6)						
47.20	54.95	ANDESITIC LAPILLI TUFF (3A5k1)						
54.95	62.20	INTERCALATED ANDESITIC LAPILLI TUFF AND AGGLOMERATE (3A5r1/4A5r1)						
62.20	73.30	ANDESITIC ASH TUFF (2A5a2)						
73.30	83.70	ANDESITIC LAPILLI TUFF (3A5d2)						
83.70	91.40	ANDESITIC AGGLOMERATE (4A5t3)						
91.40	91.85	MINERALIZED ZONE (4A5x50)						
91.85	92.45	ANDESITIC AGGLOMERATE (4A5t3)						
92.45	93.05	MINERALIZED ZONE (4F5x45)						
93.05	96.55	ANDESITIC AGGLOMERATE (4A5t3)						
96.55	96.75	MINERALIZED ZONE (4A5x50)						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
96.75	97.50	ANDESITIC AGGLOMERATE (465t3)						
97.50	124.40	ANDESITIC LAPILLI TUFF (365a1)						
124.40	154.86	INTERCALATED ANDESITIC LAPILLI TUFF AND AGGLOMERATE (365t2/465t2)						
154.86	154.86	E.O.H.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton

0.00 3.38 CASING

3.38 4.80 INTERCALATED ANDESITIC ASH TUFF AND AGGLOMERATE (2A5d3/4A5d3)

Mix of fine-grained to aphanitic light grey ash tuff and chloritic agglomerate with core angles of 25-30 degrees. Pyrite as disseminations, blebs and veinlets. Highest concentration in chloritic section. Overall pyrite content 3%. Carbonate veinlets and stringers abundant. End of unit marked by 10.0-15.0 cmwide carbonate vein at 45 degrees to the C.A.

4.80 18.00 ANDESITIC CRYSTAL TUFF (5A5a2)

Dark grey-green phenocryst to 8.0 mm across and greasy grey green fragments of similar size in a light grey aphanitic to fine-grained matrix. Phenocrysts and small fragments comprise 10-20% of unit. A short section near the bottom is agglomeritic. Pyrite is disseminated throughout and averages 2-3%. It is more abundant in the agglomeritic section near the bottom. Numerous carbonate-quartz stringers, veinlets and veins. Several rusty fractures. In several sections phenocrysts appear stretched and have a prefered planar orientation.

7.00	0.00	Two carbonate veins, 5.0-7.0 mm wide, at 25 degrees to the C.A.
7.60	0.00	Possible bedding at 25 degrees to the C.A.
8.30	9.00	Prefered orientation of phenocrysts at approximately parallel to the C.A.
12.70	0.00	Possibly bedding at 40 degrees to the C.A.
12.70	13.30	Bleached zone, probably due to silicic and carbonate alteration.
13.20	0.00	Quartz-carbonate vein 3.0 cm wide at 35 degrees to the C.A.
13.60	14.40	Four rusty fractures (not parallel, probably surface fractures) at 40, 10 and 15 degrees to the C.A.
15.40	15.65	Six irregular rusty fractures (surface features, fault?), one of which is a planar fracture at 25 degrees to the C.A.
15.65	16.70	Agglomerate unit with 4-5% pyrite.
17.80	18.00	Irregular band of carbonate-quartz-pyrite stringers and pods averaging 15 degrees to the C.A.

18.00 26.25 ANDESITIC AGGLOMERATE (4A5t3)

Very mixed unit of predominantly andesitic agglomerate with short sections of light grey andesitic tuff. Very jumbled in appearance with chloritic sections constituting 50% of the unit. Fragments are light grey, dark grey green (chloritic), and some are concentricly zones. The matrix ranges in size from fine to medium-grained and light grey to dark grey green (chloritic). Sulphides are dominated by pyrite which occurs as bands, disseminations, and irregular patches, and is more abundant in the chloritic sections (pyrite 3-4%, minor sphalerite, trace pyrrhotite). Carbonate-quartz pods, stringers, veinlets and veins are common. Some areas appear altered to sericite. Slight silicification and carbonatization occur in places. Several rusty fractures occur.

18.80	0.00	Prominent rusty fracture at 10 degrees to the C.A.
19.00	0.00	Possible bedding at approximately 45 degrees to the C.A.

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
21.00	0.00	Possible bedding at 60-70 degrees to the C.A.						
21.35	0.00	Trace pyrrhotite.						
			37298	21.00	22.50	1.50	0.01	1.10
			37299	22.50	24.00	1.50	0.02	1.30
			37300	24.00	25.50	1.50	0.01	1.50
25.60	25.90	Irregular carbonate-pyrite pods and stringers (pyrite 12%).						
25.90	26.25	1% sphalerite in tiny veinlets with carbonate stringers.						
26.25	**34.70**	**INTERCALATED ANDESITIC LAPILLI TUFF AND AGGLOMERATE (3A5a3/4A5a3)**						
		Lapilli tuff and chloritic agglomerate similar to that described above, mixed with light grey sections of fine to medium-grained andesitic tuff. Some sections of tuff are chloritic. This unit is similar to unit above, except that the quantity of tuff is about the same as the agglomerate. Overall not as chloritic because of the increased tuff content. Sulphide content is variable, and more abundant, in the chloritic sections. Some sections average 20%, but overall average is 3-4%. The lower part is more silicified and carbonatized than the upper section. Bedding at 55-60 degrees to the C.A.						
26.45	26.60	Irregular carbonate pod with pyrite patch 10.0 cm across.						
26.80	0.00	Bedding at 60 degrees to the C.A.						
			37301	25.50	27.00	1.50	0.02	2.10
27.00	27.20	Pyrite content 20%.						
28.25	0.00	Thin carbonate stringer, up to 6.0 mm wide, in small fault off-setting fragment boundaries, at 20-25 degrees to the C.A.						
28.40	28.70	Pyrite content 15%.	37302	27.00	28.50	1.50	0.02	1.60
28.90	29.15	Irregular carbonate pod-like vein 10.0-20.0 cm wide at 20 degrees to the C.A.						
			37303	28.50	30.00	1.50	0.03	1.20
			37304	30.10	31.50	1.40	0.02	1.00
31.70	0.00	Irregular carbonate vein, 15.0-20.0 mm wide, nearly parallel to the C.A.						
32.00	32.15	Two rusty parallel fractures at 60 degrees to the C.A.						
32.50	0.00	Bedding at 55 degrees to the C.A.						
32.90	33.50	Pyrite content 10%.	37305	31.50	33.00	1.50	0.01	0.80
			37306	33.00	34.50	1.50	0.01	1.20
34.70	**44.30**	**ANDESITIC ASH TUFF (2S5t2)**						
		Predominantly silcified and carbonitized. Fine-grained to aphanitic, light grey andesitic ash tuff. Heterogeneous sericite alteration, short sections are slightly chloritic. Minor agglomeratic sections in lower part of unit. Numerous parallel to subparallel carbonate quartz veins, 1.0-15.0 mm wide at 45 -50 degrees to the C.A. Numerous rusty fractures at various angles to the C.A. Bedding at 45-60 degrees to the C.A. Heterogeneous pyrite distibution dominantly as wisps, stringers and small pods, 1-2%. Minor sphalerite, dominant locally, mainly in tiny stringers and pods of carbonate.						
35.90	0.00	Several very rusty fractures at 45 degrees to the C.A.						
			37307	34.50	36.00	1.50	0.12	2.50
36.00	38.20	Sphalerite occurs mainly as tiny, continuous and discontinuous stringers and	37308	36.00	37.50	1.50	0.01	2.70

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		pods, with an overall average of approximately 0.5%. 36.50: Several irregular, very rusty fractures. 37.10: Irregular very rusty fracture.						
			37309	37.50	39.00	1.50	0.01	1.90
39.00	0.00	5.0-15.0 mm wide band of carbonate and pyrite (25%) at 15-20 degrees to the C.A.						
39.25	0.00	Very rusty fracture at 85 degrees to the C.A.						
			37310	39.00	40.50	1.50	0.02	1.20
40.50	0.00	Very rusty fracture at 30 degrees to the C.A.						
41.90	0.00	Very rusty fracture at 45 degrees to the C.A.						
			37313	40.50	42.00	1.50	0.02	3.80
42.60	43.60	Very rusty, irregular fracture. 42.80-43.30: Trace sphalerite.	37311	42.00	43.50	1.50	0.02	3.20
44.30	**47.20**	**ANDESITIC AGGLOMERATE (4N6)**						
		Highly carbonatized and chloritic andesitic agglomerate with patches, stringers and veins of carbonate-quartz, up to 30.0 cm wide. Rusty in part due to numerous weathered fractures.						
			37312	43.50	45.00	1.50	4.77	111.30
			37314	45.00	46.50	1.50	5.21	15.70
47.20	**54.95**	**ANDESITIC LAPILLI TUFF (3A5k1)**						
		Very fine to coarse grained lapilli tuff. Sections have lapilli-sized fragments. Several sections slightly chloritic. Sulphides occur mainly in small patches and disseminations with irregular distributions. Overall pyrite concentration is 1%, with trace pyrrhotite. Short intervals occur with several percent sulphides. Bedding at 40-50 degrees to the C.A.						
			37315	46.50	48.00	1.50	0.38	4.00
			38650	48.00	49.50	1.50	0.24	0.50
50.35	50.65	Chloritic section with 2% pyrrhotite, and 1% pyrite.						
50.70	0.00	Pyrite-black carbonate vein, 1.0-12.0 mm wide, at 35-40 degrees to the C.A.						
			37316	49.50	51.00	1.50	0.26	0.70
			38651	51.00	52.50	1.50	0.09	0.90
53.40	53.75	Carbonate breccia-vein with trace pyrite, 25.0 cm wide, at 40 degrees to the C.A. (not parallel to bedding).						
			38652	52.50	54.00	1.50	0.07	0.70
54.95	**62.20**	**INTERCALATED ANDESITIC LAPILLI TUFF AND AGGLOMERATE (3A5r1/4A5r1)**						
		Interbedded mix of andesitic lapilli tuff (like the unit above) and andesitic agglomerate. Agglomerate fragments predominantly andesitic, subrounded to angular and range in size from 0.4-23.0 cm. Matrix is of varying grain sizes. Bands of agglomerate up to 1.0 metres wide. Bedding at 50-60 degrees.						
54.95	0.00	4.0 cm carbonate vein at 75-80 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			38653	54.00	55.50	1.50	0.02	0.70
			38654	55.50	57.00	1.50	0.01	0.40
57.20	57.50	Series of subparallel carbonate veins from 4.0-24.0 mm wide at 45-50 degrees to the C.A., some of which contain trace sphalerite.						
			38655	57.00	58.50	1.50	0.18	0.30
59.45	0.00	6.0-10.0 mm wide fine-grained pyrite vein at 80 degrees to the C.A., with trace sphalerite in a carbonate veinlet adjacent to the pyrite vein.						
59.55	59.80	Quartz-carbonate-chlorite vein with minor pyrite at 35 degrees to the C.A.						
			38656	58.50	60.00	1.50	0.02	0.70
60.95	0.00	2.0-4.0 cm wide carbonate vein at 30 degrees to the C.A.						
			37317	60.00	61.50	1.50	0.02	1.00
62.20	**73.30**	**ANDESITIC ASH TUFF (2As2)**						
		Medium to coarse-grained ash tuff (typical grain size 1.0-3.0 mm, with isolated larger-sized fragments to 4.0 cm). The matrix in most places is in part chloritic. Pyrite occurs as disseminations (often subhedral), small patches and as veinlets (approximately 1% pyrite, trace pyrrhotite). Bedding at 40 degrees to the C.A.						
			37318	61.50	63.00	1.50	0.02	1.00
63.10	0.00	5.0-32.0 mm wide carbonate vein at 45 degrees to the C.A.						
			38657	63.00	64.50	1.50	0.05	0.50
64.50	0.00	Pyrite pod 6.0 cm by 2.5 cm.						
			38658	64.50	66.00	1.50	0.01	0.50
			38659	66.00	67.50	1.50	0.01	0.60
67.95	68.55	Chloritic section with 8% pyrite and 0.5% pyrrhotite.						
			37319	67.50	69.00	1.50	0.01	1.10
69.00	69.60	Stringer/vein of pyrite-quartz, 2.0-6.0 mm wide, with a halo of finely disseminated pyrite, up to 10.0 mm on either side of vein, at 20 degrees to the C.A. Trace pyrrhotite.						
			37320	69.00	70.50	1.50	0.14	1.20
			38660	70.50	72.00	1.50	0.02	0.30
			38661	72.00	73.00	1.00	0.38	0.50
73.30	**83.70**	**ANDESITIC LAPILLI TUFF (3A5d2)**						
		Fragments range widely in size from 0.3-5.0 cm and larger, and range from light grey to dark grey green chloritic and many are porphyritic. The matrix is fine to medium-grained and quite chloritic in places. Small sections have a fine planar fabric which may represent shearing. Cut by many quartz-carbonate veins, 2.0-90.0 mm wide, at 35-85 degrees to the C.A. Pyrite occurs as stringers, disseminations and irregular pods. Up to 10% locally , but overall average of 1-2%.						
			38662	73.00	75.00	2.00	0.05	0.70
			37321	75.00	76.50	1.50	0.37	1.90
77.10	77.30	Chloritic area with very finely disseminated pyrite (10%).						
77.60	78.20	Bleached section with fine planar fabric at 15 degrees to the C.A., probably a shear. Carbonate vein up to 15.0 mm wide and fine-grained pyrite bands	37322	76.50	78.00	1.50	0.17	1.70

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		parallel to the shear plane.						
79.00	79.20	Fine planar fabric, probably a shear, subparallel to 15 degrees to the C.A.						
			37323	78.00	79.50	1.50	0.02	0.90
79.95	80.15	Fine planar fabric, probably a shear, subparallel to 30 degrees to the C.A.						
80.40	80.85	Four quartz-carbonate veins, one with trace sphalerite, 5.0-32.0 mm wide, all subparallel, at approximately 35 degrees to the C.A.						
			38663	79.50	81.00	1.50	0.02	0.70
81.75	81.90	9.0 cm quartz-carbonate vein at 45 degrees to the C.A.						
			37324	81.00	82.50	1.50	0.01	0.50
83.20	83.60	Four very rusty subparallel fractures, no apparent displacement, at 20-25 degrees to the C.A.						
83.70	**91.40**	**ANDESITIC AGGLOMERATE (465t3)**						
		Predominantly slightly silicified and carbonitized. Aphanitic to fine-grained matrix with larger fragments widely dispersed throughout. Larger fragments range from several mm's to 6.0 cm and larger, and are commonly either light grey (andesitic) to dark grey green (chloritic), and greasy grey green (sericitic). They are commonly porphyritic. Large fragments are widely dispersed and constitute about 15% of the unit, although short sections occur where fragments are much more abundant. Stringers, blebs and veins of carbonate are common. Bands, up to 60.0 cm wide, rich in pyrite, sphalerite, galena and arsenopyrite occur. Pyrite and sphalerite are also dispersed throughout this unit as blebs and stringers.						
			38664	82.50	84.00	1.50	0.01	0.70
84.55	85.10	Large tan colored carbonate vein, 30.0-40.0 cm wide, at 15 degrees to the C.A.						
			38665	84.00	85.50	1.50	0.17	0.60
			38666	85.50	87.00	1.50	0.01	
87.40	0.00	Trace sphalerite in 0.5mm wide veinlet at 50 degrees to the C.A.						
87.65	0.00	Trace sphalerite in 0.5mm wide veinlet at 50 degrees to the C.A.						
			38667	87.00	88.00	1.00	0.01	2.20
88.10	0.00	5.0 cm carbonate vein at 60 degrees to the C.A.						
			38668	88.00	89.00	1.00		
89.40	0.00	Trace sphalerite.						
			37325	89.00	90.50	1.50	0.01	1.40
91.40	**91.85**	**MINERALIZED ZONE (465x50)**						
		Overall sulphide content 50% (pyrite 45%, sphalerite 2%, galena 1% and arsenopyrite 2%). One contact at 55 degrees to the C.A., another contact cut by a 3.5 cm carbonate vein at 35 degrees to the C.A.						
91.85	**92.45**	**ANDESITIC AGGLOMERATE (465t3)**						
		Description as per 83.70-91.40 metres.						
			37326	90.50	92.00	1.50	0.51	9.30
92.45	**93.05**	**MINERALIZED ZONE (465x45)**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		45% sulphides as irregular masses and pods, associated with sericite. 39% pyrite, 4% sphalerite and 2% galena.						
93.05	**96.55**	**ANDESITIC AGGLOMERATE (465t3)**						
		Description as per 83.70-91.40 metres.						
			37327	92.00	93.50	1.50	0.49	28.70
94.00	0.00	Pyrite-rich band, 15.0-20.0 mm wide, at 20 degrees to the C.A.						
			37328	93.50	95.00	1.50	0.19	2.70
95.20	0.00	Minor sphalerite along a 2.0 mm carbonate vein at 35 degrees to the C.A.						
95.70	95.95	1.2-1.5 cm carbonate-quartz vein at 40 degrees to the C.A.						
96.20	0.00	Trace sphalerite.						
			37329	95.00	96.50	1.50	0.21	4.10
96.55	**96.75**	**MINERALIZED ZONE (465m50)**						
		10.0 cm wide sulphide-rich band (80%) at 30 degrees to the C.A. Band contains 75% pyrite and 5% arsenopyrite.						
96.75	**97.50**	**ANDESITIC AGGLOMERATE (465t3)**						
		Description as per 83.70-91.40 metres.						
96.80	97.00	This section with dark colored (chloritic) matrix and angular fragments of tuff and carbonate (breccia) at 25-30 degrees to the C.A.						
97.50	**124.40**	**ANDESITIC LAPILLI TUFF (385a1)**						
		Angular to subrounded fragments ranging widely in size, up to 8.0 cm or larger, in a fine to medium-grained, predominently light grey andesitic matrix. Small sections have a chloritic matrix. Fragments range in composition from light grey andesitic to dark grey green chloritic. Many are porphyritic. Carbonate veinlets and stringers occur but appear less abundant than the unit above. Pyrite occurs as blebs, stringers, disseminations and as occasional pyrite-rich bands. Overall average of 1% pyrite and trace pyrrhotite.						
			37330	96.50	98.00	1.50	2.88	3.80
			38669	98.00	99.50	1.50	0.01	0.70
100.00	0.00	Rusty fracture at 30 degrees to the C.A.						
100.70	0.00	Very rusty fracture at 25 degrees to the C.A.						
100.85	0.00	Three en-echelon carbonate stringers, up to 2.0 cm wide, at approximately 35 degrees to the C.A.						
			38670	99.50	101.00	1.50	0.01	0.80
101.45	0.00	1.0 cm pyrite-rich band at 60 degrees to the C.A.						
			38671	101.00	102.50	1.50	0.01	1.00
102.70	0.00	4.0 mm pyrite rich band at 40 degrees to the C.A.						
103.85	0.00	2.5-3.5 cm wide carbonate vein at 60 degrees to the C.A., with a 7.0 cm wide zone of bleached alteration on either side.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			38672	102.50	104.00	1.50	0.01	0.80
			38673	104.00	105.50	1.50	0.02	0.70
			38674	105.50	107.00	1.50	0.01	0.50
			38675	107.00	108.50	1.50	0.01	0.70
			38676	108.50	110.00	1.50	0.01	0.30
			38677	110.00	111.00	1.00	0.01	0.50
111.30	111.50	Trace pyrrhotite.						
			37331	111.00	112.50	1.50	0.01	0.40
112.90	0.00	Several mm wide pyrite veinlet at 30 degrees to the C.A., with a 2.0 cm wide halo of disseminated pyrite on either side.						
113.70	0.00	Trace pyrrhotite.						
			37332	112.50	114.00	1.50	0.02	0.60
114.10	0.00	1.2 cm wide pyrite band at 50 degrees to the C.A.						
114.40	0.00	2.0-3.0 mm carbonate-pyrite stringer at 45 degrees to the C.A.						
			37333	114.00	115.50	1.50	0.01	0.70
118.00	0.00	1.0-1.5 cm carbonate-pyrite vein at 15 degrees to the C.A.						
119.25	0.00	1.0-3.0 mm wide carbonate stringer, with minor sphalerite, at approximately 10 degrees to the C.A.						
124.40	**154.86**	**INTERCALATED ANDESITIC LAPILLI TUFF AND AGGLOMERATE (365t2/465t2)**						
		This agglomerate is very similar to that above, except that here the fragments are not as well defined. Fragment boundaries appear to grade into the matrix in many places. Approximately 20-25% of this unit is comprised of fine to coarse-grained lapilli tuff, of which some sections are chloritic. This tuff is interbedded with the agglomerate and may form continuous bands up to 1 metre in length. Some sections near the middle of this unit appear slightly bleached and probably represent slight silicification and carbonatization. Tiny, 1.0-3.0 mm carbonate veinlets are relatively common. Pyrite occurs as blebs, stringers, disseminations and pyrite-rich bands (often associated with carbonate). Uncommonly pyrite appears to partially replace either agglomerate fragments or phenocrysts within fragments. Sphalerite occurs in thin stringers and veinlets, 0.5 to several millimetres wide, often associated with carbonate. Overall average is 1-2% pyrite, minor sphalerite, trace galena and trace chalcopyrite.						
			37334	123.00	124.50	1.50	0.03	0.20
124.80	0.00	Pyrite-rich band, up to 15.0 mm wide, at 10 degrees to the C.A. Band appears to be a wispy stringer of pyrite surrounded by a halo of heavily disseminated pyrite.						
125.00	125.60	Pyrite in stringers, 1.0-2.0 mm wide at 15-40 degrees to the C.A., associated with chlorite, and in 15.0-20.0 mm wide bands at 20 degrees to the C.A., associated with carbonate. Overall concentration is 3-5%.						
			37335	124.50	126.00	1.50	0.02	0.50
127.80	0.00	2.5 cm pyrite bleb.						
129.00	0.00	7.0 mm pyrite band at 60 degrees to the C.A.						
130.00	0.00	3.0-4.0 cm wide pyrite-carbonate vein at 30 degrees to the C.A. 80% pyrite.						
130.00	130.70	Seven subparallel pyrite veins and stringers, up to 15.0 mm wide, at approximately 30 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
130.20	138.00	Slightly bleached, probably silicified and carbonitized.	37336	129.50	131.00	1.50	0.15	1.20
		131.50: Bedding at 40 degrees to the C.A.	37337	135.00	136.50	1.50	0.03	1.50
		133.20-133.50: Two carbonate veins, with minor sphalerite, at 25-50 degrees to the C.A.	37338	136.50	138.00	1.50	0.02	1.90
		133.30: Sphalerite bleb, 3.0 mm by 8.0 mm, within a pyrite bleb.						
		133.80: Minor sphalerite in carbonate stringer, 3.0-6.0 mm wide, at 45 degrees to the C.A.						
		135.10-135.55: Carbonate-rich zone with sharp planar boundaries at 35 degrees to the C.A. 30-40% carbonate, trace pyrite and trace chalcopyrite.						
		136.00-137.90: Minor sphalerite carbonated in micro-veinlets and veins with a wide variety of orientations from 70 degrees to parallel to the C.A. Trace galena.						
141.60	0.00	1.0-3.0 mm carbonate stringer at 80 degrees to the C.A., with a halo of disseminated pyrite, up to 3.0 mm wide, on each side.						
143.00	0.00	3.0-4.0 mm carbonate stringer at 50 degrees to the C.A., with a halo of disseminated pyrite, 1.0-15.0 mm wide, on each side.						
143.70	0.00	0.8-1.5 cm wide carbonate vein, with minor sphalerite, at 10 degrees to the C.A. Vein appears to have a bleached halo, 5.0- 10.0 wide on either side.						
144.60	0.00	Bedding at 55-60 degrees to the C.A.						
147.75	0.00	7.0 cm carbonate-quartz-chlorite vein at 65 degrees to the C.A.	37339	147.00	148.50	1.50	0.03	1.00
148.90	149.15	Zone of parallel bands of carbonate-quartz, quartz-carbonate, quartz-carbonate-chlorite and fine-grained pyrite at 40 degrees to the C.A. May be a slight shear.						
149.30	149.55	0.7-0.8 cm vein of mixed carbonate-quartz and chlorite at 20 degrees to the C.A. Parallel planar fabric in rock adjacent to vein on one side, mostly parallel to the vein.	37340	148.50	150.00	1.50	0.01	1.80
150.50	0.00	2.0-5.0 mm pyrite stringer, with some carbonate, at 25 degrees to the C.A. Adjacent to vein on each side is a bleached zone 4.0 cm wide.						
150.50	154.10	Slightly bleached zone, probably silicified and carbonatized.	37341	150.00	151.50	1.50	0.02	1.60
		150.75: Rusty fracture at 55 degrees to the C.A.						
		151.65: 5.0-6.0 cm wide carbonate vein at 60 degrees to C.A. Adjacent to irregular carbonate vein with trace sphalerite.						
		152.85: Chloritic pyrite-carbonate-rich band at 45 degrees to the C.A. Up to 1.5 cm wide.						
		153.30: 3.0 mm pyrite-carbonate veinlet, with a 1.0 cm halo of disseminated pyrite, at 20 degrees to the C.A.						
		153.70: 0.5-0.7 cm pyrite-carbonate veinlet at 85 degrees to the C.A.						
154.86	**154.86**	**E.O.H.**						

						Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Hole No.	NZ89.006	Northing	0+18.00S	Grid Orient		52.7	- 56		ACID	80.2	- 60		ACID
Property	WILLOUGHBY	Easting	0+06.00W	Grid Azim.									
Location	NORTH ZONE	Elevation	1742.90	Length (m)	82.06								
Claim No.	DEL	Surv. E.		Dip-Collar	-55.00								
NTS	103 P/13	Surv. W.		Bearing	15.54								
Started	07/29/89	Logged by	A.D. BRAY	Drill No.	1000/1								
Finished	07/30/89	Checked by	D. KENNEDY	Foreman	M.JOHNSTON								
Comments	CASING PUL	Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton

SUMMARY

0.00	3.07	**CASING**
3.07	26.60	**ANDESITIC CRYSTAL TUFF (5A5t2)**
26.60	27.05	**MINERALIZED ZONE (5A5m18)**
27.05	35.05	**MINERALIZED ZONE (5A5t7)**
35.05	36.40	**ANDESITIC CRYSTAL TUFF (5A5d2)**
36.40	42.90	**FZ (5T6t2)**
42.90	43.55	**ANDESITIC CRYSTAL TUFF (5A5t1)**
43.55	44.15	**MINERALIZED ZONE (5A5h28)**
44.15	82.06	**ANDESITIC CRYSTAL TUFF (5A5d1)**
82.06	82.06	**E.O.H.**

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**3.07**	**CASING**						
		GENERAL DESCRIPTION						
		ANDESITIC CRYSTAL TUFF						
		Aphanitic groundmass with biotite (after hornblende) phenocrysts ranging in size from 1.0-10.0 mm, but averaging 1.0-3.0 mm. Crystal content variable, but averages 3-5% throughout the hole.						
		The colour is variable depending on type and intensity of alteration.						
		1) Green grey: chloritic alteration						
		2) Greasy green grey: sericitic-chloritic alteration						
		3) Bleached: silicification						
		Chloritic-sericitic alteration common, carbonitization generally as clots and veins(lets), and stringers. Uncommon in the groundmass.						
		Carbonate-quartz, quartz-carbonate, minor quartz veining common. Some with minor crenulations and occasionally with millimeter offsets.						
		Dark chloritic material common as stringers, wisps and clots.						
		Fractures, of varying widths, common. Typically limonitic and manganese stained, and iron carbonate rich.						
		Phenocrysts, in some cases, replaced by mineralization.						
3.07	**26.60**	**ANDESITIC CRYSTAL TUFF (SA5t2)**						
		Description as per the "General Description" heading. Patchy chloritic and/or chloritic-sericitic alteration.						
3.07	3.33	Weakly limonitic rubble.						
3.33	7.00	0.5% very fine disseminated pyrite.						
		3.41-3.57: Fracture at 15 degrees to the C.A., moderately rusty.						
		3.71-3.86: Weak rusty fracture at 5 degrees to the C.A.						
		4.00-4.25: 3% discontinuous carbonate-quartz stringers and veinlets.						
		4.25-4.46: Rusty, with dark green to black clots of chlorite and occasional 2.0 mm blebs of pyrite.						
		4.64-4.66: Carbonate-quartz vein (not mineralized) at 40 degrees to the C.A.						
		4.85-5.00: 5% discontinuous carbonate-quartz stringers and veinlets.						
		5.05-5.10: Rusty fracture at 45 degrees to the C.A., with occasional vug.						
		5.44-5.46: Carbonate-quartz vein (not mineralized) at 45 degrees to the C.A.						
		5.79-5.86: 7.0 mm carbonate-quartz veinlet at 20 degrees to the C.A.						
		6.00-6.16: Four irregular spaced rusty fractures at 45 degrees to the C.A.						
		6.56-6.92: 3% discontinuous carbonate-quartz stringers and veinlets, with occasional millimetre crenulations.						
		6.92-7.00: Rusty fracture at 15 degrees to the C.A.						
7.00	11.93	3% pyrite as fine disseminations and subhedral-euhedral 2.0 mm cubes. Trace to 0.5% yellow brown sphalerite concentrated within and at the periphyry of carbonate-quartz stringers and veinlets. Sphalerite at 7.69-7.72 metres, 9.13-9.18 metres and 9.50-9.70 metres.	37351 37352 37353	7.00 8.50 10.00	8.50 10.00 11.50	1.50 1.50 1.50	0.21 0.23 0.39	0.40 1.30 12.70
		10.00-10.26: Rusty fracture at low angle to C.A.						
		10.44-10.47: Carbonate-quartz vein at 70 degrees to the C.A.						
		10.76-10.78: Carbonate-quartz vein at 50 degrees to the C.A.						
11.93	12.50	7% pyrite as blebs, euhedral 2.0 mm cubes, and fine disseminations. 2% carbonate-quartz clots, stringers and veinlets. 1% fine dark chloritic						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		stringers.						
12.50	14.29	1% very fine disseminated pyrite. 1% carbonate-quartz clots, stringers and very fine veinlets with occasional dark fine chlorite veinlets at 35 degrees to the C.A.	37354 37368	11.50 13.00	13.00 14.00	1.50 1.00	0.61 0.07	6.10 1.70
14.29	22.39	Chloritic alteration pervasive imparting a distinctive green grey colour. 1% pyrite, predominantly as fine disseminations and with scattered 1.0-2.0 mm euhedral cubes. 1% carbonate-quartz as clots and discontinuous stringers and veinlets. Occasional fine. 0.5 mm dark chlorite stringers. 15.43-15.46: 4.0 mm wide discontinuous carbonate-quartz stringer at 20 degrees to the C.A. 16.45-16.55: Carbonate-quartz vein at 75 degrees to the C.A. 16.35: 1.0 mm carbonate stringer, with 4 minor offsets (up to 10.0 mm) at 35 degrees to the C.A. Offsetting attributed to fine, discontinuous chlorite stringers. 17.18: Carbonate-quartz vein, with minor small scale crenulation, at 65 degrees to the C.A. 17.29: Carbonate-quartz vein, with numerous 1.0-2.0 mm offsets, at 75 degrees to the C.A. 17.35-17.50: Carbonate-quartz veins subparallel to the C.A. 17.44-17.47: 3.0 cm clots of carbonate-quartz. 19.62-19.78: Chloritic-sericitic alteration with numerous wisps and fine stringers of dark chlorite. 19.80-19.97: Chlorite veinlet, bordered by discontinuous veinlet of carbonate-quartz, at 20 degrees to the C.A. 21.43: Carbonate-quartz veinlet at 75 degrees to the C.A. 21.80-22.00: Dark chloritic stringer at 20 degrees to the C.A. 22.25-22.39: Branching carbonate-quartz vein (up to 2.0 cm wide) at 30 degrees to the C.A. 2% pyrite blebs associated with the vein.	37369 37370	19.50 21.00	21.00 22.00	1.50 1.00	0.44 0.14	0.50 3.50
22.39	23.20	1% fine disseminated pyrite with occasional 2.0 mm blebs. Less than 1% fine wisps and discontinuous stringers and veinlets of carbonate-quartz. 22.94: 2.0 mm carbonate-quartz stringer at 40 degrees to the C.A.	37371	22.00	23.00	1.00	6.58	6.00
23.20	24.60	Numerous dark grey anastomosing veinlets stringers and wisps of chlorite (dominate) with smaller sections of greasy grey green alteration, all of which is weak to moderately silicified. Less than 1% clots and discontinuous stringers of carbonate-quartz. 23.20-24.25: 1% fine disseminated pyrite with occasional 2.0 mm blebs and euhedral cubes. 24.25-24.60: 3% pyrite as fine stringers and disseminations, with trace galena and 1% elongated blebs of sphalerite. The galena is finely disseminated amongst the elongated blebs of sphalerite.	37355 37355M	23.00 23.00	24.50 24.50	1.50 1.50	17.70 18.73	215.30
24.60	26.60	Greasy grey green colour. 5% numerous discontinuous fine wisps and stringers of dark chlorite. 1% discontinuous stringers and wisps of carbonate-quartz. 1% pyrite, predominantly as fine disseminations, with the occasional 2.0 mm euhedral cube, and rare fine stringer. 26.37-26.47: 3% pyrite, finely disseminated and as fine stringers, in association with 50% anastomosing clots of dark chlorite.	37356 37356M	24.50 24.50	26.00 26.00	1.50 1.50	6.03 5.34	62.10

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
26.60	**27.05**	**MINERALIZED ZONE (SA5m18)**						
		Sphalerite-pyrite-galena mineralized zone. 10% brown yellow sphalerite, as anastomosing discontinuous stringers, clots and blebs, associated with 1% galena peppered throughout as fine disseminations and fine wisps. 7% pyrite, as clots of fine disseminations and blebs with occasional 2.0 mm euhedral cube. 3% carbonate-quartz as clots, with occasional sphalerite and galena within and at the periphyry of carbonate-quartz clots.						
27.05	**35.05**	**MINERALIZED ZONE (SA5t7)**						
		Greasy grey green colour with common dark chloritic stringers and wisps. Occasional section with a bleached (silicification) overprinting of the chloritic-sericitic alteration. 1% carbonate-qaurtz as veinlets, discontinuous stringers and fine wisps. Some of the carbonate is iron-rich (ankerite?/iron-rich dolomite?). Occasional rusty fractured surface, some of which have slickensides. The interval averages 7% pyrite occuring as veinlets/stringers wisps of fine disseminations, and finely disseminated and as scattered euhedral 2.0-3.0 mm cubes.						
			37357	26.00	27.50	1.50	167.00	492.60
			37357M	26.00	27.50	1.50	171.03	
27.50	0.00	3.0 cm long carbonate-quartz stringer peppered with brown yellow blebs of sphalerite, associated with trace fine galena.						
27.98	0.00	27.98: Trace sphalerite associated with carbonate-quartz stringer.						
			37358	27.50	29.00	1.50	0.93	28.30
			37358M	27.50	29.00	1.50	0.78	
29.52	29.55	Carbonate-quartz clot, with 2% blebs of sphalerite and trace fine disseminated galena.						
29.98	0.00	Rusty fracture, with slickensides, at 60 degrees to the C.A.						
30.00	31.60	12% pyrite, predominantly as stringers of fine disseminations.	78359	29.00	30.50	1.50	13.95	447.80
			37359M	29.00	30.50	1.50	15.09	
31.60	33.10	Numerous small rusty fractures, occasionally vuggy, at a low angle to the C.A.	37360	30.50	32.00	1.50	9.42	134.80
		31.70-31.90: Moderately silicified	37360M	30.50	32.00	1.50	6.97	
		32.0o-32.08: Carbonate-quartz vein, at 45 degrees to the C.A., containing 3% sphalerite and trace galena.						
			37361	32.00	33.50	1.50	42.80	283.80
			37361M	32.00	33.50	1.50	36.18	
33.96	33.98	Carbonate-quartz vein at 45 degrees to the C.A.						
34.97	0.00	4.0 cm long by 1.0 cm wide vein of carbonate-quartz, containing sphalerite.						
			37362	33.50	35.00	1.50	1.22	10.20
			37362M	33.50	35.00	1.50	1.38	
35.03	0.00	6.0 cm long by 0.5cm wide carbonate-quartz vein at 45 degrees to the C.A. Contains small, 2.0 mm blebs of sphalerite and finely disseminated pyrite.						
35.05	**36.40**	**ANDESITIC CRYSTAL TUFF (SA5d2)**						
		Description as per the "General Description" heading.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
35.05	35.66	2% pyrite as fine disseminations, occasional 1.0 mm euhedral cubes and as fine stringers in association with stringers of dark chloritic material.						
35.66	36.40	2% pyrite as fine disseminations and as fine stringers associated with dark chloritic stringers.						
36.40	**42.90**	**FZ (5T6t2)**						
		Core very busted up, with numerous rusty fractures and occasionally vuggy. Rusty alteration permeates the rock, and is not isolated on fractured surfaces. Fresher core surfaces are greasy green grey with numerous wisps and scattered fine stringers of dark chloritic. 2% carbonate-quartz, predominantly as fine wisps and discontinuous stringers, less commonly as blebs and clots. 2% pyrite as fine disseminations and occasional 1.0-2.0 euhedral cube. Scattered fine stringers in association with chloritic stringers.	37363	35.00	36.50	1.50	0.82	5.20
			37363M	35.00	36.50	1.50	0.98	
			37364	36.50	38.00	1.50	7.57	27.60
			37364M	36.50	38.00	1.50	5.65	
39.30	0.00	Discontinuous carbonate-quartz vein containing 7% sphalerite, trace galena. Up to 15% disseminated pyrite bordering the carbonate-quartz vein.						
			37365	38.00	39.50	1.50	63.27	721.20
			37365M	38.00	39.50	1.50	77.45	
			37366	39.50	41.00	1.50	0.31	18.70
			37366M	39.50	41.00	1.50	0.37	
			37367	41.00	42.50	1.50	25.90	62.20
			37367M	41.00	42.50	1.50	25.52	
42.50	42.90	Fractured surfaces at 20 degrees to the C.A.						
42.90	**43.55**	**ANDESITIC CRYSTAL TUFF (5A5t1)**						
		Greasy green grey, with fine wisps of dark chloritic material in the top part of the interval, and clots and anostomosing stringers in the last 15.0 mm of the interval. Trace sphalerite (average) with 1% fine disseminated pyrite associated with anastomosing chloritic stringers.						
43.18	43.20	Fine carbonate-quartz stringers ranging from 50-85 degrees to the C.A.						
43.50	0.00	Carbonate-quartz vein at 75 degrees to the C.A.						
43.55	**44.15**	**MINERALIZED ZONE (5A5h2B)**						
43.55	43.95	Green grey with numerous dark chloritic stringers and wisps. Less than 1% carbonate-quartz material, predominantly as wisps and 1.0-2.0 mm clots. 20% pyrite as fine disseminations, stringers, veinlets, blebs and 1.0-2.0 mm euhedral cubes.						
43.95	44.15	Approximately 35% semi-massive pyrite. Highly oxidized with 15% vugs.	37467	42.50	44.00	1.50	0.95	20.20
44.15	**82.06**	**ANDESITIC CRYSTAL TUFF (5A5d1)**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
44.15	45.50	Weak to moderately silicified. Numerous small rusty fractures at 45-50 degrees to the C.A. Less than 1% pyrite, finely disseminated and as very fine stringers, associated with chloritic stringers. 45.38: 5.0 mm carbonate-quartz veinlet at 45 degrees to the C.A.	37468	44.00	45.50	1.50	0.95	27.60
45.50	46.28	0.5% finely disseminated pyrite. 46.02: Carbonate-quartz vein at 40 degrees to the C.A. 46.11-46.28: Chloritic rubble. Core badly busted up and weakly oxidized.						
46.28	46.79	.5% pyrite as fine disseminations.						
46.79	48.94	Less than 1% pyrite as fine disseminations.	37469	45.50	47.00	1.50	0.02	0.80
		46.79-47.24: Fracture subparallel to the C.A.. Weakly limonitic with abundant iron-rich carbonate.	37470	47.00	48.50	1.50	0.02	0.70
		48.03: Rusty fracture at 40 degrees to the C.A. 48.44-48.73: Rusty fracture subparallel to the C.A.						
48.94	59.15	1% pyrite as fine disseminations and occasional 1.0-2.0 mm euhedral cube.	37471	48.50	50.00	1.50	0.03	0.50
		49.18: Rusty fracture at 75 degrees to the C.A. Iron-rich carbonate associated with the fracture.	37472	50.00	51.50	1.50	0.01	0.70
			37473	51.50	53.00	1.50	0.02	1.30
		49.30: Quartz vein at 45 degrees to the C.A.	37474	53.00	54.70	1.70	0.14	1.80
		49.59: Carbonate-quartz vein at 40 degrees to the C.A.	37475	55.10	56.00	0.90	0.03	0.10
		49.83-53.65: 20% rusty fractures at approximately 40 degrees to the C.A.	37476	56.00	57.50	1.50	0.02	0.10
		53.65-59.15: 65% rusty fractures subparallel to 30 degrees to the C.A. Iron-rich carbonate associated with fracturing. Large clots of quartz, up to 3.0 cm, associated with fracture at 58.20-58.40 metres.	37477	57.50	59.00	1.50	0.02	0.50
		54.70-55.10: Ground core.						
59.15	63.84	0.5% pyrite as fine disseminations.	37478	59.00	60.50	1.50	0.02	0.50
		60.10: Rusty fracture, at 75 degrees to the C.A., with iron-rich carbonate halo	37479	60.50	62.00	1.50	0.03	0.50
		61.21: Rusty fracture, at 45 degrees to the C.A., with iron-rich carbonate halo	37480	62.00	63.50	1.50	0.02	0.50
		63.46-63.48: Quartz-carbonate vein at 40 degrees to the C.A. 64.56: Quartz-carbonate vein at 35 degrees to the C.A.						
63.84	68.48	Trace finely disseminated pyrite. 1% carbonate and/or carbonate-qaurtz veining at 45-50 degrees to the C.A. Abundant rusty fractures, generally at 50 degrees to the C.A., with thick (up to 25.0 cm) iron-rich carbonate alteration halos, with wisps and discontinuous fine stringers of chlorite common within the iron-rich alteration halos.	37481	63.50	65.00	1.50	0.03	0.50
			37482	65.00	66.50	1.50	0.01	0.40
			37483	66.50	68.00	1.50	0.01	0.50
68.48	75.31	Trace fine disseminated pyrite. Crystals define a planar fabric at 30-35 degrees to the C.A. 5% fracturing, at 40-45 degrees to the C.A., with iron-rich carbonate alteration halos up to 8.0 cm wide.	37484	68.00	69.50	1.50	0.02	0.50
		73.95-74.13: Weakly silicified. 74.83-75.31: Weakly rusted with iron-rich carbonate.						
75.31	77.18	0.5% pyrite as fine disseminations. 75.80-76.48: Fractured surfaces, mildly rusty with iron-rich carbonate alteration halo. Core angles vary fron 25-40 degrees. Occasional vug associated with the fractures.						
77.18	82.06	Locally up to 2% finely disseminated pyrite, with occasional 1.0-2.0 mm euhedral cube, but averaging 1% finely disseminated pyrite.	37372	77.50	79.00	1.50	0.01	0.40
		80.78-80.92: Carbonate-quartz clots, up to 5.0 cm, associated with fine dark chloritic stringers.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
82.06	82.06	**E.O.H.** Hole abandoned. Rods stuck, resulting in the bit, core tube and barrel being left in the hole.						

Hole No.	NZ89.007	Northing	0+18.00S	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	0+06.00W	Grid Azim.		51.2	- 75		ACID	72.5	- 75		ACID
Location	NORTH ZONE	Elevation	1743.81	Length (m)	136.53	136.6	- 75		ACID				
Claim No.	DEL	Surv. E.		Dip-Collar	-74.50								
NTS	103 P/13	Surv. W.		Bearing	15.45								
Started	07/30/89	Logged by	A.D. BRAY	Drill No.	1000/1								
Finished	07/31/89	Checked by	D. KENNEDY	Foreman	M.JOHNSTON								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton

SUMMARY

0.00	**4.98**	**CASING**
4.98	**9.23**	**ANDESITIC CRYSTAL TUFF (5A5a2)**
9.23	**9.65**	**MINERALIZED ZONE (5A5r5)**
9.65	**27.45**	**ANDESITIC CRYSTAL TUFF (5A5a2)**
27.45	**36.50**	**MINERALIZED ZONE (5A5r4)**
36.50	**136.53**	**ANDESITIC CRYSTAL TUFF (5A5a1)**
136.53	**136.53**	**E.O.H.**

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**4.98**	**CASING**						
		GENERAL DESCRIPTION ANDESITIC CRYSTAL TUFF Aphanitic groundmass with biotite (after hornblende) phenocrysts ranging in size from 0.1-1.0 cm. but averaging 0.1-0.3 cm. Content locally variable, but averages 3-5% throughout hole. The colour is variable depending on type and intensity of alteration. 1) Green grey: chloritic alteration 2) Greasy green grey: chloritic-sericitic alteration 3) Bleached: silicification Chloritic alteration abundant, chloritic-sericitic alteration common with less common intervals of weak to moderate silicification. Carbonitization as clots stringers and veinlets), in association with quartz. Uncommon as groundmass material. Carbonate-quartz veining common with minor crenulations and, in some cases, with millimeter offsets. In addition to chloritic alteration, dark chloritic material common as fine stringers, wisps and clots. Phenocrysts, in some cases, are replaced by mineralization. Fracturing common, typically rusty with iron-rich carbonate halos of varying widths.						
4.98	**9.23**	**ANDESITIC CRYSTAL TUFF (SA5a2)** Greasy green grey with 2% dark chloritic material as wisps, fine discontinuous stringers and clots. 2% carbonate-quartz as wisps, discontinuous stringers and occasional fine veinlets. 2% fine disseminated pyrite with occasional 1.0-2.0 mm euhedral cubes. Fine dissemintations commonly associated with dark chloritic material.						
4.98	5.49	Blocky core, with moderately rusted fractures.						
5.61	0.00	Very rusty fracture, at 40 degrees to the C.A., with occasional vug.						
5.99	0.00	Rusty fracture at 45 degrees to the C.A.						
6.83	0.00	Vuggy carbonate veinlet at 65 degrees to the C.A.						
6.89	7.06	Very rusty fracture at 10 degrees to the C.A.	37373	5.49	6.99	1.50	0.36	6.00
7.29	9.23	1% pyrite as fine disseminations, with scattered 1.0-2.0 mm euhedral cubes. Up to 5% when associated with local increase in dark chloritic material and/or carbonate-quartz veining. 7.34: 2.0 mm carbonate-quartz stringer at 40 degrees to the C.A., with blebs and cubes of pyrite. 7.95-9.00: Chlorite-sericite alteration, with rusty weak fracturing common at 40 degrees to the C.A. 2% finely disseminated pyrite in association with fine dark chloritic stringers.						
9.23	**9.65**	**MINERALIZED ZONE (SA5r5)** 5% finely disseminated pyrite with occasional 1 - 2mm euhedral cubes, associated with clots, wisps and fine stringers of dark chloritic material.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		Trace sphalerite at 9.30 meters, associated with carbonate-quartz clot.						
9.65	**27.45**	**ANDESITIC CRYSTAL TUFF (5A5a2)**						
		Description as per "General Description" heading. The interval averages 2% disseminated pyrite.						
10.20	10.50	Carbonate-quartz vein, up to 1.5 cm wide, subparallel to the C.A.	37374	8.90	10.40	1.50	0.59	2.80
12.03	12.10	7.0 mm carbonate-quartz veinlet at 35 degrees to the C.A.						
12.10	12.50	7% carbonate-quartz as discontinuous fine stringers.	37485	10.40	12.50	2.10	0.16	0.10
12.70	12.95	5% fine disseminated pyrite associated with clots of dark chloritic material.	37486	12.50	14.00	1.50	0.24	0.10
14.50	14.60	Carbonate-quartz vein at 40 degrees to the C.A.						
14.63	0.00	Moderately rusty fracture at 45 degrees to the C.A.	37487	14.00	15.50	1.50	0.23	0.10
16.03	0.00	Moderately rusty fracture at 25 degrees to the C.A., bordered by 5.0 mm iron-rich carbonate alteration halo.						
16.37	16.40	Quartz-carbonate vein at 35 degrees to the C.A.	37488	15.50	17.00	1.50	0.20	0.10
18.20	18.40	7% carbonate-quartz as discontinuous stringers and clots.	37489	17.00	18.50	1.50	0.18	0.10
18.64	0.00	Moderately rusty fracture at 65 degrees to the C.A.						
19.18	0.00	Moderately rusty fracture, with 2.0 mm iron-rich carbonate alteration halo, at 25 degrees to the C.A.						
			37490	18.50	20.00	1.50	0.02	0.10
			37491	20.00	21.50	1.50	0.13	1.00
21.50	21.75	3% fine disseminated pyrite associated with clots and stringers of dark chloritic material. 21.52-21.53: Carbonate-quartz vein, bordered by fine disseminated pyrite, at 85 degrees to the C.A.						
22.40	0.00	Rusty fracture, with slickensides, at 45 degrees to the C.A. Bordered uphole by a 4.0 mm carbonate-quartz veinlet.						
22.84	0.00	Rusty fracture at 45 degrees to the C.A.	37492	21.50	23.00	1.50	0.44	15.30
23.10	23.40	5% pyrite as 1.0-3.0 mm euhedral cubes, blebs and finely disseminated in association with carbonate-quartz veining, at 40-50 degrees to the C.A., and clots/stringers of dark chloritic material.						
24.40	24.65	5% pyrite as fine disseminations, fine stringers and scattered 1.0-2.0 mm cubes in association with fine dark chloritic stringers, clots and wisps.	37493	23.00	24.50	1.50	0.78	7.00
24.70	0.00	2.0 mm carbonate-quartz veinlet at 55 degrees to the C.A., boredered downhole by a fine chloritic-pyritic stringer.						
			37494	24.50	26.00	1.50	0.24	2.10
27.15	27.45	10% carbonate-quartz as veinlets offset by fine chlorite-pyrite rich stringers.						
27.45	**36.50**	**MINERALIZED ZONE (5A5r4)**						
		Greasy green grey. Averaging 2% dark chloritic material as wisps, clots and stringers, but locally up to 10%. Locally weakly silicified. 2% carbonate-						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		quartz as veins, discontinuous stringers and clots. 4% pyrite, finely disseminated with scattered 1.0-2.0 mm euhedral cubes. Locally up to 7% when associated with abundant dark chloritic material. Locally 0.5% sphalerite associated with increase in dark chloritic, pyrite and carbonate-qaurtz content						
27.45	28.07	3.0 mm carbonate-quartz stringer parallel to the C.A.	37495	26.00	27.50	1.50	0.24	8.50
			37375	27.50	29.00	1.50	0.24	14.80
29.62	30.04	Weakly silicified.						
30.04	31.42	10% anastomosing stringers, clots and wisps of dark chloritic material. 5% fine disseminations and stringers of pyrite in association with chloritic stringers: .5% sphalerite associated with anastomosing chlorite, carbonate-qaurtz and within clots of carbonate-quartz 31.20: Moderately rusty fracture at 25 degrees to the C.A.	37376	29.00	30.50	1.50	0.56	19.30
31.67	0.00	Carbonate-quartz vein at 40 degrees to the C.A.						
			37377	30.50	32.00	1.50	0.81	43.50
33.21	33.58	Weakly silicified.	37378	32.00	33.50	1.50	0.12	11.60
34.83	0.00	Rusty carbonate-quartz fracture, with slickensides, at 40 degrees to the C.A.						
			37379	33.50	35.00	1.50	1.09	14.80
35.58	36.50	5% pyrite finely disseminated, as fine disseminated stringers and occasional 1.0-2.0 mm cube. Associated with 10% stringers, wisps and clots of dark chlorite.	37380	35.00	36.50	1.50	0.45	19.00
36.50	**136.53**	**ANDESITIC CRYSTAL TUFF (SASa1)**						
		Description as per "General Description" heading. 0.5-1% pyrite as fine disseminations, scattered 1.0-2.0 mm cubes and blebs, and occasional stringer.						
36.51	0.00	Weakly rusty fracture at 45 degrees to the C.A.						
36.60	0.00	Weakly rusty fracture at 25 degrees to the C.A.						
36.90	37.27	3.0 mm carbonate-quartz stringer subparallel to the C.A.						
37.86	37.92	15% anastomosing carbonate-quartz stringers.						
37.96	0.00	Carbonate-quartz veinlet at 80 degrees to the C.A.						
			37496	36.50	38.00	1.50	0.19	16.10
38.00	38.20	Rusty fracture, with weak iron-rich carbonate alteration halo, at 20 degrees to the C.A.						
			37497	38.00	39.00	1.00	0.18	6.40
39.23	39.25	Carbonate-quartz vein at 35 degrees to the C.A.						
39.38	41.50	Chlorite-sericite alteration. Up to 3% finely disseminate pyrite and occasional 1.0-2.0 mm euhedral cube in association with 7% dark chloritic stringers and wisps.	37381	39.00	40.00	1.00	2.92	87.50
			37382	40.00	41.50	1.50	0.03	4.00
41.97	42.07	Fine stringers of dark chlorite and fine disseminated pyrite at 35 degrees to the C.A.						
42.55	0.00	Carbonate-quartz veinlet at 40 degrees to the C.A.						
			37498	41.50	43.00	1.50	0.16	1.50
43.37	43.53	Two rusty fractures, with 3.0 mm iron-rich carbonate alteration halos, at 20 degrees to the C.A.						
43.66	43.90	Rusty fracture, with 1.0 cm iron-rich carbonate alteration halo, parallel to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			37499	43.00	44.50	1.50	0.02	1.40
45.27	45.50	Rusty fracture, with 1.5 cm iron-rich carbonate alteration halo, at 15 degrees to the C.A.						
			37500	44.50	46.00	1.50	0.02	0.40
46.81	0.00	Rusty fracture at 35 degrees to the C.A.						
47.00	47.05	Two carbonate-quartz veins perpendicular to the C.A.						
			37601	46.00	47.50	1.50	0.01	0.50
48.50	48.80	Four 4.0 mm carbonate-quartz stringers at 20-25 degrees to the C.A.						
			37602	47.50	49.00	1.50	0.02	0.60
49.05	49.60	Moderately rusty fracture, with 5.0 mm iron-rich carbonate alteration halo, subparallel to the C.A.						
			37603	49.00	50.50	1.50	0.01	0.70
51.70	51.84	Rusty fracture at 20 degrees to the C.A.						
			37604	50.50	52.00	1.50	0.01	0.50
52.95	58.39	Trace pyrite, locally 1%, as fine disseminations.	37605	52.00	53.50	1.50	0.01	0.50
		53.05-53.53: Weak sericitic alteration, predominantly chloritic.	37606	53.50	55.00	1.50	0.02	0.20
		53.05-53.20: 10% carbonate-quartz veins, with millimeter offsets, at 30 degrees to the C.A.	37607	55.00	56.60	1.60	0.02	0.90
			37383	56.60	57.90	1.30	0.01	1.70
		53.70-53.80: Moderately rusty fracture, with iron-rich carbonate alteration halo, with fine stringers of dark chlorite, at 40 degrees to the C.A.						
		53.97-54.16: 15% carbonate-quartz, as offset veins (offset by fine chloritic stringers), and up to 4.5 cm clots. Veins at 35-40 degrees to the C.A.						
		55.06-55.91: Fracture zone, pervasively oxidized with abundant iron-rich carbonate. Fracturing appears subparallel to the C.A. Core locally rubbly.						
		55.91-56.38: Weak sericitic alteration, with 3 rusty fractures at 45 degrees to the C.A.						
		56.38-56.60: Fractured , pervasively oxidized with abundant iron-rich carbonate Occasional vug up to 1.0 cm.						
		56.60-57.90: 1% finely disseminated pyrite in association with 2% fine wisps and discontinuous stringers of dark chlorite.						
		57.90-58.39: Rusty fracture at low angle to the C.A.						
58.39	62.98	0.5% pyrite as fine disseminations.	37608	57.90	59.50	1.60	0.02	1.00
		60.81-61.15: Rusty fracture subparallel to the C.A.	37609	59.50	61.00	1.50	0.01	0.80
		61.44-61.46: Carbonate-quartz vein at 75 degrees to the C.A.	37610	61.00	62.50	1.50	0.02	0.80
62.98	74.00	0.5% finely disseminated pyrite. Locally up to 2% pyrite in association with an increads in dark chloritic material. Trace sphalerite.	37611	62.50	64.00	1.50	0.01	0.70
			37612	64.00	65.50	1.50	0.01	0.80
		62.98-63.48: 1% fine disseminated pyrite, and occasional 1.0-2.0 mm cube. 5% discontinuous carbonate-quartz stringers, veinlets with numerous millimetre offsets. Offsetting due to fine dark stringers of chlorite.	37613	65.50	67.00	1.50	0.02	0.90
			37614	67.00	68.50	1.50	0.01	0.70
			37615	68.50	70.00	1.50	0.01	0.30
		63.80-64.00: 10% carbonate-quartz as discontinuous stringers, veinlets and scattered clots (up to 6.0 cm).	37384	70.00	71.50	1.50	0.01	1.30
			37384M	70.00	71.50	1.50	0.05	
		66.20-66.22: Carbonate-quartz vein at 40 degrees to the C.A.						
		66.40-66.62: 10% carbonate-quartz as discontinuous stringers and veinlets with numerous millimetre offsets attributed to fine chloritic stringers.						
		66.62: Rusty fracture, with carbonate on fractured surface, at 45 degrees to the C.A.						
		67.00: Rusty fracture at 40 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		67.10-67.30: 5% carbonate-quartz in association with 15% dark chlorite as anastomosing clots. 68.15-68.50: 10% carbonate-quartz as anastomosing veinlets and clots. 68.38-68.53: Rusty fracture at 15 degrees to the C.A. 68.78-69.26: Three 1.0 cm carbonate-quartz veins at 25 degrees to the C.A. 70.62-71.20: 1% pyrite finely disseminated, trace galena and trace to 0.5% sphalerite in association with 10% dark chloritic stringers, at 25 degrees to the C.A., and 5% carbonate-quartz as clots and discontinuous veinlets. Pyrite as fine disseminations and stringers in conjunction with chloritic stringers. Fine disseminated galena associated with sphalerite. Sphalerite as 1.0-3.0 mm blebs and fine discontinuous stringers. 71.50-72.57: 7% dark chloritic material as wisps and fine stringers. 0.5-1% finely disseminated pyrite associated with chloritic material. 72.57-73.86: Moderately rusty weak fracture, iron-rich carbonate with fine wisps of dark chlorite and occasional vug. 73.20-74.00: Moderately rusty fractures, subparallel to 30 degrees to the C.A., with iron-rich carbonate alteration halo. Occasional vug and scattered clot of chlorite-sericite.						
77.94	78.04	Iron-rich carbonate and moderately rusty alteration halo surrounding a fracture at 45 degrees to the C.A.						
78.14	0.00	Moderately rusty, fracture at 75 degrees to the C.A., with 5.0 mm iron-rich carbonate and oxidized halo on either side of the fracture.						
79.25	0.00	Moderately rusty fracture, at 85 degrees to C.A., with 2.5 cm iron-rich carbonate and oxidized halo on either side of the fracture.						
79.63	0.00	Moderately rusty fracture, at 85 degrees to C.A., with a 3.0 cm iron-rich carbonate and oxidized halo on either side of the fracture.						
82.40	84.36	9.0 mm wide moderately dark green chlorite-rich band at 25 degrees to the C.A.						
84.86	84.94	7.0 mm carbonate-rich (minor quartz) veinlet at 35 degrees to the C.A.						
84.96	85.05	8.0 mm discontinuous quartz-rich (minor carbonate) veinlet at 30 degrees to the C.A.						
85.33	0.00	Rusty fracture, at 45 degrees to the C.A., with 5.0 mm iron-rich carbonate and oxidized halo on either side of the fracture.						
85.84	85.94	5.0 mm wide carbonate veinlet at 35 degrees to the C.A.						
86.65	0.00	4.0 mm quartz-carbonate stringer at 85 degrees to the C.A.						
89.75	0.00	7.0 mm carbonate-quartz veinlet at 80 degrees to the C.A.						
90.15	90.24	Two moderately rusty fractures, at 75 degrees to the C.A., with 1.5 cm iron-rich carbonate alteration halos on either side.						
92.20	92.30	Carbonate-rich vein at 45 degrees to the C.A. Contains 3% chlorite inclusions with blebs of sphalerite.						
92.60	92.76	Rusty fracture at 15 degrees to the C.A. Underlain by 17.0 cm of iron-rich alteration halo.						
94.17	0.00	Rusty fracture, at 80 degrees to the C.A., with 3.0 cm iron-rich carbonate alteration halo on either side of the fracture.						
94.33	94.35	Carbonate-quartz vein at 80 degrees to the C.A.						
94.85	0.00	Rusty fracture, at 45 degrees to the C.A., with 2.0 cm iron-rich carbonate alteration halo on either side of the fracture.						
98.20	0.00	Rusty fracture, at 75 degrees to the C.A., with 1.0 cm iron-rich carbonate aleration halo on either side of the fracture.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
99.35	0.00	Rusty fracture, at 55 degrees to the C.A., with 1.5 cm iron-rich carbonate alteration halo on either side of the fracture.						
101.11	101.14	Carbonate-quartz vein, with fine stringers of chlorite, at 45 degrees to the C.A.						
102.69	0.00	Rusty fracture, at 65 degrees to the C.A., with 1.5 cm iron-rich carbonate alteration halo on either side of the fracture.						
105.29	0.00	Rusty fracture, at 65 degrees to the C.A., with 5.0 mm iron-rich carbonate alteration halo on either side of the fracture.						
106.00	107.65	2% finely disseminated pyrite with scattered 1.0-3.0 mm blebs and very fine stringers associated with chlorite stringers. 106.90: Rusty fracture, at 45 degrees to the C.A., with 1.5 cm iron-rich carbonate alteration halo on either side of the fracture.	37385 37385M	106.00 106.00	107.50 107.50	1.50 1.50	0.01 0.03	0.20
109.42	109.77	Rusty fracture, subparallel to the C.A., bordered by a discontinuous 1.5 mm carbonate-quartz stringer. Weak iron-rich carbonate alteration halo bordering the fracture.						
110.09	110.16	Rusty fracture, at 20 degrees to the C.A., with a 8.0 mm iron-rich carbonate alteration halo on either side of the fracture.						
113.00	113.45	7% dark chlorite as stringers, up to 4.0 mm wide, at 20 degrees to the C.A.						
114.60	114.85	Rusty fracture, at 10 degrees to the C.A., with weak iron-rich carbonate alteration halo.						
118.44	118.52	6.0 mm carbonate-quartz veinlet, at 40 degrees to the C.A. Contains very fine discontinuous dark chlorite stringer.						
118.80	120.50	Approximately 0.55 metres of ground core. Core broken with obvious ground and rounded ends.						
120.76	124.34	Trace pyrite as fine disseminations and rare 1.0-2.0 mm blebs. 121.16: 2.5 mm carbonate-quartz stringer at 35 degrees to the C.A. 121.62: Rusty fracture, at 45 degrees to the C.A., with 2.5 cm iron-rich carbonate alteration halo on either side of the fracture. 121.82-121.99: Rusty fracture, at 25 degrees to the C.A., with 2.5 cm iron-rich alteration halo on either side of the fracture. 122.90-123.30: Blocky, rusty iron-rich carbonate altered core. 123.92: Rusty fracture, at 60 degrees to the C.A., with 4.0 cm iron-rich carbonate alteration halo on either side of the fracture.						
125.15	0.00	Moderately rusty fracture, at 45 degrees to the C.A., with 5.0 cm iron-rich carbonate alteration halo on either side of the fracture.						
125.87	126.00	Four 2.0-8.0 mm carbonate-quartz veinlets at 75-90 degrees to the C.A.						
126.32	126.36	Carbonate-quartz vein, with fine dark chloritic stringers, at 85 degrees to the C.A.						
126.92	0.00	Rusty fracture, at 40 degrees to the C.A., with 1.5 cm iron-rich carbonate alteration halo on either side of the fracture.						
129.46	130.37	0.5% finely disseminated pyrite. 129.46-130.05: 1.0 mm carbonate-quartz stringer subparallel to the C.A.	37386 37386M	129.46 129.46	130.96 130.96	1.50 1.50	0.02 0.03	0.50
131.30	0.00	Rusty fracture at 45 degrees to the C.A.						
132.02	132.20	Pervasively carbonate-quartz altered (iron-rich carbonate), with fine stringers of dark chlorite.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			37387	130.96	132.46	1.50	0.01	0.40
			37387M	130.96	132.46	1.50	0.01	
133.80	136.53	60% moderately rusty fracturing, at 30-75 degrees to the C.A., with associated iron-rich carbonate alteration halos. The last 1.53 metres of core is somewhat blocky and very rusty.						
136.53	**136.53**	**E.O.H.**						

Hole No.	NZ89.008	Northing	0+18.00S	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	0+06.00W	Grid Azim.		107.9	- 66		ACID	108.0	- 64		ACID
Location	NORTH ZONE	Elevation	1743.33	Length (m)	108.03								
Claim No.	DEL	Surv. E.		Dip-Collar	-66.15								
NTS	103 P/13	Surv. W.		Bearing	40.30								
Started	07/31/89	Logged by	A.D. BRAY	Drill No.	1000/1								
Finished	08/01/89	Checked by	D. KENNEDY	Foreman	M.JOHNSTON								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
SUMMARY								
0.00	3.05	**CASING**						
3.05	22.22	**ANDESITIC CRYSTAL TUFF (5A5r2)**						
22.22	22.40	**MINERALIZED ZONE (5A5a12)**						
22.40	26.30	**ANDESITIC CRYSTAL TUFF (5A5a1)**						
26.30	28.30	**MINERALIZED ZONE (5A5a4)**						
28.30	108.03	**ANDESITIC CRYSTAL TUFF (5A5a1)**						
108.03	108.03	**E.O.H.**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**3.05**	**CASING**						
		GENERAL DESCRIPTION ANDESITIC CRYSTAL TUFF Aphanitic groundmass with biotite (after hornblende) phenocrysts ranging in size from 0.1-1.0 cm, averaging 0.1-3.0 cm. Crystal content locally variable, but averages 3-5%. Phenocrysts occasionally replaced by pyrite. Colour variable, depending on type and intensity of alteration. 1) Green grey: Chloritic alteration 2) Greasy green grey: chloritic-sericitic alteration 3) Bleached: silicification overprinting on chloritic and/or chloritic-sericitic alteration. Chloritic alteration abundant, chloritic - sericitic alteration common, with less common intervals of weak to moderate silicification. Carbonitization as clots, stringers and vein(lets) in association with quartz. Uncommon as groundmass material. Carbonate-quartz veining common, with weak crenulations and in cases, with millimeter offsets. Dark chloritic material common as wisps, fine stringers and clots. Fracturing common, typically rusty with iron-rich carbonate halos of varying widths.						
3.05	**22.22**	**ANDESITIC CRYSTAL TUFF (SA5r2)** Description as per "General Description" heading.						
3.05	9.03	3% finely disseminated pyrite, as fine disseminations within carbonate-quartz stringers and bordering chlorite stringers and clots. Locally up to 5-7% over very short horizons. Scattered 1.0-3.0 mm blebs and euhedral cubes. Sphalerite found only in association with carbonate-quartz veining where it may comprise up to 20% of the veining material. 3.05-4.27: 60% very rusty fracturing, sub parallel to 50 degrees to the C.A., with pervasive iron-rich carbonate, manganese stained alteration halos. Occasional vug up to 3.0 cm in length. 4.27-7.00: 7% very rusty fracturing, at 45-85 degrees to the C.A., with pervasive iron-rich carbonate and manganese stained alteration halos up to 2.5 cm on either side of the fracture. 4.80-5.40: 7% pyrite associated with 10% chloritic material. 6.58-6.59: VISIBLE GOLD (?). Goldish silver in colour (electrum). 1.0 cm long by 2.0 mm wide. Appears as if it's smeared onto ther surface of the core, but where the core is broken, it lies below the surface. Associated with a moderately rusty fracture and vug, and a vuggy carbonate-quartz vein at 60 degrees to the C.A. 7.49-7.50: Carbonate-quartz vein, at 60 degrees to the C.A., with 20% sphalerite blebs. 8.45-8.50: Irregular carbonate-quartz vein, at 60 degrees to the C.A., with 15% sphalerite blebs and 15% fine disseminations of pyrite. 15.0 cm uphole of the vein is 20% chlorite and 7% fine disseminations of pyrite. 12.0 cm downhole of the vein is 15% chlorite and 5% fine disseminations of pyrite.	37388 37388M 37389 37389M 37390 37390M	3.05 3.05 4.55 4.55 6.05 6.05	4.55 4.55 6.05 6.05 7.55 7.55	1.50 1.50 1.50 1.50 1.50 1.50	0.28 0.24 0.21 0.22 6.75 5.23	7.60 10.60 63.10

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		8.69-8.73: 4.0 cm long by 3.0 cm wide carbonate-quartz clot with 10% sphalerite blebs and 10% fine disseminations of pyrite. 10.0 cm downhole of the vein is 30% chlorite with 7% fine disseminations of pyrite.						
9.03	21.46	0.5%-1% finely disseminated pyrite with scattered 1.0-2.0 mm euhedral cubes and blebs.	37391	7.55	9.05	1.50	0.63	9.60
			37391M	7.55	9.05	1.50	0.61	
		11.00-11.88: 5% carbonate-quartz as offset veins, at 10-45 degrees to the C.A., and as 1.0-1.5 cm clots.	37451	9.05	10.50	1.45	0.25	17.10
			37452	10.50	12.00	1.50	0.56	0.10
		16.74: 3.0 cm long by 0.5 cm wide carbonate-quartz clot with 40% fine subhedral galena.	37453	12.00	13.50	1.50	0.17	0.10
			37454	13.50	15.00	1.50	0.19	2.20
		16.86-16.94: Rusty fracture, at 30 degrees to the C.A., with iron-rich carbonate alteration halo 0.5 cm on either side of the fracture.	37455	15.00	16.50	1.50	0.07	7.60
			37456	16.50	18.00	1.50	0.16	0.10
			37457	18.00	19.50	1.50	0.41	2.70
			37458	19.50	20.50	1.00	0.02	1.10
			37459	20.50	21.46	0.96	2.95	26.40
21.46	22.10	7% carbonate-quartz veining, at 65 degrees to C.A., and discontinuous stringers and clots associated with 3% pyrite.						
22.22	**22.40**	**MINERALIZED ZONE (SAS#12)**						
		3% blebs of sphalerite, 2% finely disseminated galena associated with 20% anastomosing carbonate-quartz clots, and 7% pyrite. Pin head fleck of VISIBLE GOLD AT 22.32 metres, associated with sphalerite and galena.						
22.40	**26.30**	**ANDESITIC CRYSTAL TUFF (SAS#1)**						
		Description as per "General Description" heading. 0.5% pyrite as fine disseminations and scattered 1.0-2.0 mm blebs and euhedral cubes.						
			37392	21.46	22.96	1.50	2.01	219.80
			37392M	21.46	22.96	1.50	1.03	
			37393	22.96	24.46	1.50	0.10	1.80
			37393M	22.96	24.46	1.50	0.06	
25.17	25.19	Carbonate-quartz vein at 45 degrees to the C.A.						
25.58	25.78	Three rusty fractures, at 45-70 degrees to the C.A., with 1.0 cm iron-rich carbonate alteration halos on either side of the fractures.						
			37460	24.46	26.30	1.84	0.15	0.90
26.30	**28.30**	**MINERALIZED ZONE (SAS#4)**						
		4% pyrite as finely disseminated stringers in association with dark chlorite stringers, as fine disseminations and scattered 1.0-2.0 mm euhedral cubes and blebs.						
26.46	26.49	Three pyrite-chlorite stringers at 45 degrees to the C.A.						
26.80	26.85	2.0 mm carbonate-quartz stringer at 45 degrees to the C.A.						
26.95	27.35	35% dark chlorite as anastomosing stringers and wisps.	37394	26.30	27.30	1.00	0.56	46.90
			37394M	26.30	27.30	1.00	0.57	
27.80	27.90	Anastomosing pyrite-chlorite stringers.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			37395	27.30	28.30	1.00	5.47	206.60
			37395M	27.30	28.30	1.00	6.60	
28.30	**108.03**	**ANDESITIC CRYSTAL TUFF (5AS:a1)**						
		Description as per "General Description" heading.						
28.30	40.30	0.5% pyrite as fine disseminations, and fine wisps associated with chloritic wisps.	37461	28.30	29.50	1.20	0.01	1.10
			37462	29.50	31.00	1.50	0.02	8.60
		28.80-29.10: Three 2.0 cm discontinuous carbonate-quartz veins.	37463	31.00	32.50	1.50	0.02	1.10
		28.30-29.20: Weakly silicified.	37464	32.50	34.00	1.50	0.01	0.80
		29.30-29.45: Rusty fracture, at 15 degrees to the C.A., with 2.0 mm iron-rich carbonate alteration halo on either side of the fracture.	37465	34.00	35.50	1.50	0.01	0.80
			37466	35.50	37.00	1.50	0.01	0.50
		29.62: Rusty fracture, at 45 degrees to the C.A., with 2.0 mm iron-rich carbonate alteration halo on either side of the fracture.	37616	37.00	38.50	1.50	0.01	0.50
			37617	38.50	40.00	1.50	0.01	0.90
		34.62-35.06: Rusty fracture, subparallel to the C.A., with weak 2.0 mm iron-rich carbonate alterationn halo on either side of the fracture.						
		37.58-37.73: 1.0 cm carbonate-quartz vein at 25 degrees to the C.A.						
		39.63-39.82: Two 6.0-8.0 mm carbonate-quartz veinlets at 40 degrees to the C.A.						
40.30	55.34	0.5-1% finely disseminated pyrite.	37618	40.00	41.50	1.50	0.02	0.70
		40.48-40.53: Carbonate-quartz vein at 35 degrees to the C.A.	37619	41.50	43.00	1.50	0.01	0.80
		40.84-41.10: 7% carbonate-quartz as discontinuous stringers.	37620	43.00	44.50	1.50	0.02	0.50
		41.10: Rusty fracture, at 45 degrees to the C.A., with 5.0 mm iron-rich carbonate alteration zone bordering either side of the fracture.	37621	44.50	46.00	1.50	0.02	0.70
			37622	46.00	47.50	1.50	0.01	0.80
		42.45-43.25: 7% carbonate-quartz as discontinuous stringers and veins at 35-70 degrees to the C.A.	37623	47.50	49.00	1.50	0.01	0.60
			37624	49.00	50.50	1.50	0.02	0.40
		43.70: Rusty fracture, at 45 degrees to the C.A., with 1.0 cm (uphole) and 2.5 cm (downhole) iron-rich carbonate alteration halo on either side of the fracture.	37625	50.50	52.00	1.50	0.02	0.20
			37626	52.00	53.50	1.50	0.01	0.60
			37627	53.50	55.00	1.50	0.01	0.70
		44.20-46.37: Chloritic alteration, with a quartz-carbonate vein at 44.71-44.74 metres at 85 degrees to the C.A.						
		46.37-46.94: Sericite-rich alteration.						
		46.94-47.50: 30% fracture, at 15-45 degrees to the C.A., with iron-rich carbonate alteration halos.						
		48.60-48.95: Pervasively altered iron-rich carbonate fracture subparallel to the C.A.						
		48.95-49.25: Rubble, pervasively altered by iron-rich carbonate.						
		49.80-50.17: Moderately iron-rich carbonate alteration with weak fracturing at 45 degrees to the C.A.						
		50.52-50.85: Weakly silicified.						
		51.66: Rusty fracture, at 50 degrees to the C.A., with 4.0 cm iron-rich carbonate alteration halo bordering either side of the fracture.						
		52.05-52.91: Pervasively iron-rich carbonate alteration. 0.60 cm of ground core.						
55.34	67.22	0.5% finely disseminated pyrite.	37628	55.00	56.50	1.50	0.02	0.60
		56.11-56.19: 5.0 mm carbonate-quartz stringer at 25 degrees to the C.A.	37629	56.50	58.00	1.50	0.02	0.60
		56.30: 3.0 mm carbonate-quartz stringer, with fine stringers of dark chlorite, at 45 degrees to the C.A.	37630	58.00	59.50	1.50	0.01	0.50
			37631	59.50	61.00	1.50	0.02	0.60
		56.41-56.43: Carbonate-quartz vein at 45 degrees to the C.A.	37632	61.00	63.00	2.00	0.01	0.80
		63.45-64.30: Moderately pervasive iron-rich carbonate alteration, with three	37396	63.00	64.50	1.50	0.01	1.20

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		rusty fractures at 45 degrees to the C.A.	37396M	63.00	64.50	1.50	0.01	
		66.00: Rusty fracture, at 60 degrees to the C.A., with 2.0 cm iron-rich carbonate alteration halo bordering either side of the fracture.	37633	64.50	66.00	1.50	0.01	0.70
67.22	75.15	1% pyrite as finely disseminated stringers associated with chloritic stringers, and as fine disseminations.	37634	66.00	67.50	1.50	0.01	0.60
			37635	67.50	69.00	1.50	0.03	0.40
		67.55-67.65: Rusty fracture, at 20 degrees to the C.A., with 3.0 cm iron-rich carbonate halo bodering either side of the fracture.	37636	69.00	70.50	1.50	0.02	0.50
			37637	70.50	72.00	1.50	0.01	0.50
		68.55-68.67: Rusty fracture, at 15 degrees to the C.A., with 5.0 mm iron-rich carbonate alteration halo bordering either side of the fracture.	37638	72.00	73.50	1.50	0.03	0.40
			37639	73.50	75.00	1.50	0.01	0.60
		68.67-68.81: 1.0 mm pyrite-chlorite stringer at 10 degrees to the C.A.						
		69.06-69.08: Carbonate-quartz vein at 45 degrees to the C.A.						
		69.10-69.22: 2.0 mm pyrite stringer subparallel to the C.A.						
		70.70-70.72: Carbonate-quartz vein ,with fine dark chloritic stringers, at 40 degrees to the C.A.						
		71.60: Rusty fracture, at 45 degrees to the C.A., with 1.5 cm iron-rich carbonate alteration halo bordering either side of the fracture.						
		71.70-71.88: 3.0 cm wide carbonate clot with 2.0mm wide finely disseminated pyrite border.						
		73.33-73.46: 1.0 cm carbonate-quartz vein at 35 degrees to the C.A.						
		73.55-74.30: 5% carbonate-quartz as discontinuous veins and stringers.						
		74.37-74.43: 1.5 cm carbonate-quartz vein at 15 degrees to the C.A.						
		74.85: Rusty fracture, at 40 degrees to the C.A., with a 2.0 cm iron-rich carbonate alteration halo bordering either side of the fracture.						
75.15	108.03	Trace finely disseminated pyrite.	37640	75.00	76.50	1.50	0.01	0.70
		75.28-75.29: Carbonate-quartz vein at 45 degrees to the C.A.	37641	76.50	78.00	1.50	0.01	0.60
		75.66-75.67: Discontinuous carbonate-quartz vein at 40 degrees to the C.A.	37642	78.00	79.50	1.50	0.01	0.60
		75.78: Rusty fracture, at 40 degrees to the C.A., with a 2.0 cm iron-rich	37643	79.50	81.00	1.50	0.01	0.50
		alteration halo bordering either side of the fracture.	37644	81.00	82.50	1.50	0.02	0.50
		77.10-78.50: Rusty weak fracturing, subparallel to the C.A., with a weak to	37645	82.50	84.00	1.50	0.01	0.70
		moderately pervasive iron-rich carbonate alteration halo.	37646	84.00	85.50	1.50	0.01	0.50
		79.09-79.54: Rusty fracture, subparallel to the C.A., with a weak to moderately	37647	85.50	87.00	1.50	0.01	0.40
		pervasive iron-rich carbonate alteration halo .	37648	87.00	88.00	1.00	0.01	0.40
		80.40-80.47: Carbonate-quartz vein at 50 degrees to the C.A.	37397	88.00	89.00	1.00	0.01	0.60
		81.66-81.67: Carbonate-quartz vein at 70 degrees to the C.A.	37397M	88.00	89.00	1.00	0.01	
		83.20-83.21: Carbonate-quartz vein, with fine chloritic stringers, at 40	37398	89.00	90.00	1.00	0.01	0.90
		degrees to the C.A.	37398M	89.00	90.00	1.00	0.01	
		84.05: Rusty fracture, at 45 degrees to the C.A., with a 3.0 cm iron-rich carbonate alteration halo bordering either side of the fracture.						
		86.22-86.28: Two 1.0 cm carbonate-quartz veins at 45 degrees to the C.A.						
		86.89-86.99: Rusty fracture, at 40 degrees to the C.A., with a 6.0 cm iron-rich carbonate alteration halo bordering eithher side of the fracture.						
		88.00-88.43: Chlorite-sericite alteration with four carbonate-quartz stringers/ veins, 0.1-1.9 cm, at 55-65 degrees to the C.A., and 1% fine dark chloritic wisps and discontinuous stringers.						
		88.43-88.79: Carbonate-quartz vein with the uphole contact at 45 degrees to the C.A., and the downhole contact at 75 degrees to the C.A. The vein contains 25% dark green chloritic clots and 10% clots and blebs of iron-rich carbonate.						
		88.79-89.41: Chlorite alteration with 15% anastomosing stringers of chlorite,						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		scattered 1.0-3.0 mm iron-rich carbonate blebs and 2% discontinuous stringers and clots of carbonate-quartz. Weak iron-rich carbonate alteration.						
		89.41-89.90: Carbonate-quartz vein with the uphole contact at 25 degrees to the C.A. and the downhole contact at 30 degrees to the C.A. Contains 25% green chloritic clots, 3% clots of iron-rich carbonate.						
		89.90-90.00: Chloritic alteration.						
		90.07-90.08: Carbonate-quartz vein at 45 degrees to the C.A.						
		90.35-90.83: Rusty fracture, subparallel to the C.A., with weak 1.0 mm iron-rich carbonate alteration halo bordering the fracture.						
		92.84-93.00: Carbonate-quartz vein, with blebs and rare stringer of dark chlorite, at 45 degrees to the C.A.						
		93.50-93.52: Carbonate-quartz vein at 45 degrees to the C.A.						
		94.80-94.90: Chlorite-sericite alteration.						
		97.50-97.83: Chlorite-sericite alteration.						
		98.68: Rusty fracture, at 45 degrees to the C.A., with a 3.0 cm iron-rich carbonate alteration halo bordering either side of the fracture.						
		99.23-99.88: Rusty fracture, subparallel to the C.A., with a moderately pervasive iron-rich carbonate alteration halo.						
		100.26-100.36: 5% anastomosing stringers of dark chlorite.						
		100.36-101.20: Weak iron-rich carbonate alteration.						
		101.65-101.80: 7% anastomosing carbonate-quartz veinlets.						
		101.80-103.35: Weak, to locally moderate, iron-rich carbonate alteration halo associated with a rusty fracture at 15-50 degrees to the C.A.						
		105.05-105.30: 10% carbonate-quartz as discontinuous veinlets with millimetre offsets due to fine chloritic stringers.						
		105.55-106.35: Moderately pervasive iron-rich carbonate alteration halos associated with rusty fracturing at 15-45 degrees to the C.A.						
108.03	**108.03**	**E.O.H.**						

Hole No.	WZ89.009	Northing	1+87.00N	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	00+11.00W	Grid Azim.		78.0	- 48		ACID				
Location	WLBY ZONE	Elevation	1804.10	Length (m)	87.17								
Claim No.	DEL	Surv. E.		Dip-Collar	-46.05								
NTS	103 P/13	Surv. W.		Bearing	72.00								
Started	08/02/89	Logged by	B. WILSON	Drill No.	1000/1								
Finished	08/02/89	Checked by	A.D. BRAY	Foreman	M.JOHNSTON								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton

SUMMARY

0.00	20.00	ANDESITIC LAPILLI TUFF (3G6v1)
20.00	21.30	MINERALIZED ZONE (3G7m34)
21.30	22.20	MINERALIZED ZONE (3G7r11)
22.20	28.10	ANDESITIC AGGLOMERATE (4A5r2)
28.10	34.45	MINERALIZED ZONE (4A5m80)
34.45	36.25	MINERALIZED ZONE (4G5r6)
36.25	43.10	ANDESITIC LAPILLI TUFF (3A5t2)
43.10	53.55	ANDESITIC CRYSTAL TUFF (5B5t2)
53.55	87.17	ANDESITIC LAPILLI TUFF (3B5t1)
87.17	87.17	E.O.H.

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	20.00	**ANDESITIC LAPILLI TUFF (366v1)** Light grey fragments of predominantly andesitic composition. Few are slightly chloritic, many are porphyritic. They range in size from 0.3-10.0 cm or larger Matrix is predominantly fine to medium-grained light grey tuff. Some sections, especially near the bottom, are chloritic. Tuff dominates over short sections. The unit is slightly to moderately silicified and sericitized. Silicification being strongest near the bottom. Small areas (10.0-20.0 cm) in the lower sections are composed of numerous chlorite stringers that form anastomosing anastomosing and breccia-like patterns. Cut by quartz-carbonate veins up to 60.0 cm wide. Weak planar fabric to the matrix. Chloritic stringers at 30-45 degrees to the C.A. Minor sphalerite associated with quartz-carbonate veinlets and with chloritic stringers in lower section. Pyrite content increases toward the bottom, in general. It occurs most commonly in veins and stringers, often with quartz-carbonate and in the areas of chloritic stringers. Overall average fo 1% pyrite and trace sphalerite.						
0.20	0.00	Quartz covered, rusty fracture with rusty halo at 40 degrees to the C.A.						
0.50	0.60	Very rusty zone (surface weathering) and 0.5 cm quartz vein at 40 degrees to the C.A.						
0.80	1.50	Irregular rusty fractures and 15.0 cm wide rusty zone.						
1.80	3.00	Very rusty zone, probably surface weathering. 1.85-2.10: Quartz stringers and small breccia-like pod (50% quartz). 2.10: Fracture at 20 degrees to the C.A. 2.40-3.00: Very broken zone composed in part of a very weathered quartz-carbonate vein.	37342	0.50	2.00	1.50	0.02	0.40
3.00	3.60	Quartz-carbonate vein at 40 degrees to the C.A.	37343	2.00	3.60	1.60	0.01	0.50
3.60	3.85	Quartz-carbonate-sericitized fragment breccia-like vein, 6.0 cm wide, at 20 degrees to the C.A.						
3.85	0.00	Irregular fracture with 5.0 cm rusty halo.	37344	3.60	5.00	1.40	0.01	0.30
6.30	0.00	Rusty fracture, at 20-25 degrees to the C.A., with rusty 1.0 cm halo.						
8.50	0.00	Rusty fracture, at 55 degrees to the C.A., with rusty 4.0-5.0 cm halo.						
8.55	0.00	2.0-7.- quartz-carbonate stringer at 65 degrees to the C.A. Euhedral quartz attached to the walls of the vein.						
9.15	0.00	0.7-2.0 cm carbonate-quartz podiform stringer at 30 degrees to the C.A.						
10.90	0.00	Carbonate stringers (10% over 30.0 cm) and 2.0 mm pyrite veinlet at 35 degrees to the C.A.						
11.40	0.00	Irregular carbonate pod (40% over 15.0 cm) with a minor chlorite stringer.						
11.60	0.00	Rusty fracture, at 45 degrees to the C.A., with a 7.0 cm wide rusty halo.						
12.50	0.00	2.0-3.0 mm pyrite-sphalerite stringer at 45 degrees to the C.A. 70% pyrite and 30% sphalerite.						
12.90	13.25	Five rusty fractures at 60 degrees to the C.A.						
14.55	0.00	3.0-5.0 mm pyrite-sphalerite stringer. Stringer is "V" shaped with sharp well-defined "V" at 115 degrees to each limb. The "V" is approximately bisected by the perpendicular to the C.A.						
15.30	0.00	8.0 cm wide rusty hole around a rusty fracture.						
17.40	0.00	Trace sphalerite.						
18.00	0.00	5.0 cm wide band of chloritic-sericitic stringers, forming a breccia-like zone with minor sphalerite and pyrite.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
18.35	18.60	Trace sphalerite in a slightly chloritic area.	37345	17.00	18.50	1.50	0.02	0.40
18.80	20.00	Area cut by numerous fine chlorite stringers with overall pyrite content of 3%, and less than 0.5% of sphalerite.	37346	18.50	20.00	1.50	0.01	0.60
		19.30: Rusty fracture, at 45 degrees to the C.A., with a 6.0 cm rusty halo.						
		19.65-19.95: Very irregular rusty fracture nearly parallel to the C.A.						
20.00	**21.30**	**MINERALIZED ZONE (367m34)**						
		Consists predominantly of sulphides (34%), quartz (3%), chlorite (10%), silicified rock fragments (10%) and carbonate (1%). This interval contains approximately 30% pyrite, 4% sphalerite with trace chalcopyrite. Chlorite forms wisps and anastomosing wisps around fragments consisting of pyrite and siliceous volcanics. Fragments are generally subrounded, very tightly packed and range in size from several millimetres to 15.0 cm. Many of the wisps have a preffered orientation at 45-60 degrees to the C.A. Pyrite occurs throughout as fine disseminations in the chlorite, as large masses and grains within the quartz and volcanic fragments, and as fragments up to 1.5 cm wide within the chlorite. Carbonate occurs throughout as millimetre-sized discontinuous stringers, and several larger podiform veins (carbonate content 1%). Sphalerite occurs sporadically throughout as grains ranging from 0.50-4.0 mm.						
21.30	**22.20**	**MINERALIZED ZONE (367r11)**						
		Consists predominantly of angular silicified and sericitized volcanic fragments Fragments are surrounded by a dark grey green chloritic matrix. Fragment to matrix ratio is about 2 to 1. Typically, fragments are 3.0-15.0 mm, but range up to 10.0 cm wide. There is a preffered orientation of the fragment long axes and chloritic planes at 45-55 degrees to the C.A.						
		Pyrite occurs throughout as subhedral grains. 0.5-2.0 mm across within the chlorite and also appear to partially replace some of the volcanic fragments. Sphalerite occurs in a similar manner, but is generally fine-grained. This interval grades approximately 7% pyrite and 4% sphalerite.						
		Of special interest is a 7.0 cm silicified bryozoan fossil fragment in which some of the central core zones have been partially replaced by pyrite. It is possible that some of the pyrite-rich quartz fragments described may be highly altered bryozoan fossils.						
21.40	0.00	Bryozoan fossil fragment.						
			37347	20.00	21.50	1.50	0.56	3.40
21.90	0.00	Two rust coated fractures at 30 and 45 degrees to the C.A.						
22.20	**28.10**	**ANDESITIC AGGLOMERATE (445r2)**						
		22.20-25.00: Light green grey. Fine-grained to aphanitic. Tightly packed, very siliceous andesitic fragments 0.3-10.0 cm across, in an aphanitic and sericitic matrix. Matrix is slightly chloritic in places. 2% pyrite disseminated throughout, but is slightly more abundant towards the bottom and in the sericitic-chloritic matrix, and in tiny sericitic stringers. Sphalerite is dispersed irregularly throughout, often associated with pyrite. Less than						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		0.5% sphalerite. 22.25: Weathered, but not rusty, fracture at 30 degrees to the C.A. May have been a sugary quartz vein (?). 22.40: Rusty fracture, at 70 degrees to C.A., with some broken core (small fault?). Some broken core consists of pyrite and sphalerite. 24.90-25.00: Very rusty section with numerous fractures and rusty stringers at 70 degrees to the C.A. One fracture contains 1.0 cm wide earthy zone (fault?).	37348	21.50	23.00	1.50	0.18	0.70
			37349	23.00	24.50	1.50	0.03	0.10
25.00	28.10	Similar to the unit above (22.20-25.00 metres) except that there are much larger fragments of silicified andesitic agglomerate up to 20.0 cm across. Small sections of the breccia matrix are sericitic as are some of the volcanic fragments. There is a planera fabric to the chloritic matrix and a weak planar alignment of breccia fragments. Long axes at 30-55 degrees to the C.A., but averaging around 45 degrees to the C.A. Angular breccia fragments vary widely in size, but 0.5-3.0 cm are most abundant. Pyrite occurs as blebs, and subhedral grains that partially replace breccia fragments. Irregular grains of sphalerite, up to 3.0 mm, occur unevenly throughout, often replacing fragments. A small amount of carbonate (1%) occurs most commonly with pyrite. 25.10: Rusty fracture at 90 degrees to the C.A. 25.45: Rusty fracture at 20 degrees to the C.A.	37350	24.50	26.00	1.50	0.16	0.70
			37399	26.00	27.50	1.50	0.25	0.10
28.10	**34.45**	**MINERALIZED ZONE (4A5x80)** 80% sulphides (76% pyrite, 4% sphalerite, trace chalcopyrite). Andesitic fragments in a chloritic and slightly sericitic matrix are visible over short sections, where the sulphide are common, ranging from 30-70 degrees to the C.A.	37400	27.50	29.00	1.50	0.60	4.00
			37401	29.00	30.50	1.50	0.41	9.40
			37402	30.50	32.00	1.50	0.30	3.20
			37403	32.00	33.50	1.50	0.77	13.00
34.45	**36.25**	**MINERALIZED ZONE (4B5r6)** Interval consists of anastomosing stringers of chlorite enclosing tightly packed subrounded breccia fragments ranging from 0.2-8.0 cm. Fragments consist of predominantly silicified volcanics. Highest sphalerite concentration is near the upper contact. Sphalerite gradually diminishes to trace amounts by the middle of the unit. Interval averages 1% sphalerite and 5% pyrite.	37404	33.50	35.00	1.50	0.16	1.50
36.25	**43.10**	**ANDESITIC LAPILLI TUFF (3A5t2)** 36.25-38.90: Predominantly fine to medium-grained chloritic tuff with rare larger fragments. This unit is cut by several zones of chloritic stringers, associated with carbonate. Sulphides occur predominantly with choritic although a small amount occurs disseminated in the tuff. 2% pyrite and less						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		than 0.5% sphalerite. Planar fabric in the tuff at 50 degrees to the C.A., probably represents relic bedding. 36.50-36.75: Zone of chloritic stringers with 3% pyrite, trace sphalerite. 36.85: Trace sphalerite. 37.10-37.20: Chlorite stringers with pyrite concentrated in 1.0-2.0 cm wide band at 90 degrees to the C.A. 37.90-38.50: Chloritic stringers and sulphides with carbonate. 6% pyrite and 1% sphalerite. 38.60-38.85: Four subparallel quartz-carbonate stringers, 2.0-5.0 mm wide, at 30 degrees to the C.A.						
			37405	35.00	36.50	1.50	0.19	0.10
			37406	36.50	38.00	1.50	0.05	0.60
38.90	43.10	Mix of predominantly chloritized and predominantly sericitized-silicified lapilli. Chloritization dominates in the upper section and sericitization is dominant in the lower section. The alterations are mixed in places and often grade into each other. Fragments are subrounded to angular, range in iize from 0.2-5.0 cm. Most are light grey, and some are porphyritic. Several are concentrically coloured. Fragments are widely dispersed in a medium-grained crystal tuff. This interval is interupted by a 0.5 metre band of black chloritic, medium-grained tuff and a short chloritic stringer zone. Pyrite occurs as light disseminations and as partial fragment replacements. 1% pyrite and trace sphalerite. Core angles range from 40-50 degrees. 38.90-39.10: Zone with chloritic stringers. 39.50-39.70: Zone with chloritic stringers and 2% pyrite. 40.90-41.45: Chloritic medium-grained tuff. 41.70: 4.5 cm wide carbonate-chlorite stringer zone at 45 degrees to the C.A. 41.90-43.10: Sericitic-siliceous alteration.	37407	38.00	39.50	1.50	0.06	1.30
			37408	39.50	41.00	1.50	0.02	0.80
			37409	41.00	42.50	1.50	0.01	0.80
43.10	**53.55**	**ANDESITIC CRYSTAL TUFF (565t2)** Medium to coarse-grained crystal tuff. Tuff fragments consist of plagioclase crystals, dark grey green fragments (possibly in part crystals of a mafic mineral) and light grey fragments. Typical crystals range in size from 0.5-2.0 2mm, but larger crystals are noted in instances. A few short sections are agglomeritic. Core angles range from 30-55 degrees to the C.A. The interval is slightly silicified and sericitized. Short sections occur that are slightly chloritic. Pyrite occurs mainly in patches and veinlets, usually associated with carbonate in chlorite-rich stringers and patches, and as light disseminations. Sphalerite is associated with carbonate veins and stringers. Pyrite 2%, sphalerite trace.						
43.30	0.00	3.0 mm chlorite stringer at 35 degrees to the C.A.						
43.80	0.00	Rusty fracture at 20 degrees to the C.A.						
44.70	0.00	1.0-4.0 mm carbonate-pyrite stringer, at 15 degrees to the C.A., with emminating, irregular black chloritic stringer up to 2cm away.						
45.20	0.00	1.0-1.3 cm carbonate-pyrite vein at 20 degrees to the C.A. One surface has slickensides at approximately 30 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
45.20	45.70	Rusty fracture nearly parallel to the C.A. Chlorite-rich zone coincides with the upper half of the fracture.						
45.80	0.00	Rusty irregular fracture.						
48.35	0.00	Trace sphalerite.						
48.50	0.00	0.3-0.8 cm carbonate-pyrite veinlet at 30 degrees to the C.A.						
48.95	0.00	5.0-8.0 cm wide chlorite-rich zone with 10% pyrite and trace sphalerite.						
49.30	0.00	0.1-0.7 cm carbonate-sphalerite-pyrite veinlet at 40 degrees to the C.A.						
49.50	0.00	Rusty irregular fracture at approximately 25 degrees to the C.A.						
50.50	0.00	0.4-0.8 cm carbonate-pyrite veinlet at 25 degrees to the C.A.						
50.70	0.00	Trace sphalerite in thin carbonate stringer.						
51.10	53.50	Chloritic and siliceous alteration.	37410	50.50	51.50	1.00	0.22	1.80
		51.40-51.60: Two parallel pyrite-carbonate veinlets, 1.0-10.0 mm wide, at 20 degrees to the C.A.	37411	51.00	53.00	2.00	0.22	4.30
		52.90-53.10: Pyrite-carbonate pod. Overall 40% pyrite.						
		53.35-53.55: Zone rich in carbonate, carbonate-sphalerite, carbonate-pyrite-chlorite and pyrite veins, pods and stringers mostly at 20 degrees to the C.A.						
53.55	0.00	Rusty fracture at 30 degrees to C.A.						
53.55	**87.17**	**ANDESITIC LAPILLI TUFF (365t1)**						
		Predominantly very altered andesitic agglomerate. Fragments range from 0.2-3.0 cm (a few are larger), and predominantly light to medium green, and are subrounded to angular. The matrix is light green and aphanitic to fine-grained Siliceous and sericitic alterations are pervasive, although their intensities vary from place to place. Carbonate alteration occurs in the upper part of this unit and may occur weakly throughout. Short slightly chloritic sections occur and are more abundant in the lower end of unit. Some sections are intensely silicified and permiated in quartz vein that contains several percent sphalerite. In general the alteration diminishes slightly towards the bottom of the hole. Quartz-carbonate veins are common. Sulphides are more abundant in quartz-carbonate veins, pods and stringers. Overall sulphide average is 0.5% pyrite and minor sphalerite.						
53.75	54.00	Area rich in carbonate pods and discontinuous stringers. 15% carbonate.						
54.00	55.30	Minor sphalerite associated with 1.0-2.0 mm wide carbonate stringers.	37412	53.00	54.50	1.50	0.48	4.00
		54.00-55.00: Numerous carbonate pods and discontinuous stringers.	37413	54.50	56.00	1.50	0.07	1.10
			37414	56.00	57.50	1.50	0.02	0.80
57.50	57.70	Carbonate stringers at 15-20 degrees to the C.A. (about 15% carbonate overall).						
58.40	58.60	Minor sphalerite with carbonate stringers.	37415	57.50	59.00	1.50	0.02	0.60
59.90	0.00	Rusty fracture at 50 degrees to the C.A.						
60.00	0.00	4.0-6.0 mm carbonate-quartz-sphalerite vein (5% sphalerite) at 15 degrees to the C.A.	37416	59.00	60.50	1.50	0.02	0.80
61.00	65.00	Area of intense silicification. The borders are very gradational, the limits given for this zone are approximate. Numerous qaurtz and quartz-carbonate veinlets/veins, 0.3-1.0 cm wide, many with sphalerite. This appears to be cut	37417	60.50	62.00	1.50	0.03	0.80
			37418	62.00	63.50	1.50	0.02	0.50
			37419	63.50	65.00	1.50	0.02	0.40

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		by a later carbonate veinlet, 3.0-4.0 mm wide. 61.20-61.85: Zone of abundant quartz veins and quartz vein breccia. Veins are 0.1-1.5 cm wide and contain sphalerite and minor carbonate. Overall 25% quartz veining and 2-3% sphalerite. 62.20-63.30: Numerous quartz and quartz-carbonate veins and stringers (5%). Sphalerite occurs within and disseminated in wall rocks. 1% sphalerite.						
65.30	65.45	9.0 cm wide carbonate-chlorite vein with several subparallel veins 0.1-1.5 cm wide in the vicinity, one of which contains trace sphalerite.						
			37420	65.00	66.50	1.50	0.01	0.40
66.95	0.00	6.0 mm carbonate stringer at 45 degrees to the C.A.						
			37421	66.50	68.00	1.50	0.03	0.60
68.30	68.55	1.5 cm carbonate vein nearly parallel to the C.A.						
69.15	0.00	Three 1.0-5.0 mm carbonate-pyrite stringers at approximately 30 degrees to the C.A.						
			37422	68.00	69.50	1.50	0.02	0.50
70.20	0.00	Apparent bedding at 45 degrees to the C.A.						
70.80	71.25	Abundant (millimeter wide) chloritic stringers, and several carbonate-sphalerite stringers, 1.0-5.0 mm wide, in a highly silicified and sericitized zone. 3% pyrite and trace sphalerite.	37423	69.50	71.00	1.50	0.02	0.50
71.55	0.00	3.0-4.0 mm carbonate-sphalerite-pyrite stringer, with trace chalcopyrite, at 35 degrees to the C.A.						
71.90	0.00	Two 2.0-8.0 mm carbonate-pyrite veinlets, and one 0.4-1.5 cm carbonate vein, at 30-40 degrees to the C.A.						
			37424	71.00	72.50	1.50	0.04	3.60
72.70	72.90	0.2-1.0 cm carbonate-pyrite veinlets, with trace sphalerite, at 45 degrees to the C.A.						
			37425	72.50	74.00	1.50	0.03	0.50
74.35	74.65	Abundant pyrite (10%) as blebs, and disseminations associated with a carbonate pod.						
74.80	0.00	Rusty fracture at 35 degrees to the C.A.						
			37426	74.00	75.50	1.50	1.02	20.80
			37427	75.50	77.00	1.50	0.07	0.90
77.10	78.30	Pyrite associated with carbonate pods and veins, and partially replacing chloritic-sericite patches. Agglomerate fragments average about 4%. Trace sphalerite.						
			37428	77.00	78.50	1.50	0.20	3.40
78.50	0.00	Two parallel carbonate veins, at 50 degrees to the C.A., 4.0-8.0 mm wide.						
79.95	0.00	5.0 cm carbonate-quartz vein at 40 degrees to the C.A.						
			37429	78.50	80.00	1.50	0.03	0.60
80.00	82.30	Millimeter wide chloritic stringers, locally up to 10%, occur in this interval. Stringers abundance averages approximately 2%. 80.75: Trace sphalerite in irregular pyrite-sphalerite stringer. 81.10: Trace sphalerite in irregular pyrite-sphalerite stringer.	37430	80.00	81.50	1.50	0.04	2.60
			37431	81.50	83.00	1.50	0.02	0.70
83.30	83.40	Irregular carbonate stringers make up 60% of the rock.						
83.60	83.85	5.0-9.0 mm carbonate veinlet, with pyrite 1.0-1.5 cm on one side, at 25 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
84.30	0.00	Trace sphalerite in carbonate-pyrite veinlet, 4.0-8.0 mm wide, at 60 degrees to the C.A.						
			37432	83.00	84.50	1.50	0.02	1.00
			37433	84.50	86.00	1.50	0.04	1.10
86.00	87.17	Numerous millimeter wide chloritic stringers, locally to 30%, averaging 5%. 86.30: Trace sphalerite.	37434	86.00	87.17	1.17	0.02	0.80
87.17	**87.17**	**E.O.H.**						

Hole No.	WZ89.010	Northing	1+87.00N	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	00+11W	Grid Azim.									
Location	WILBY ZONE	Elevation	1804.08	Length (m)	114.91								
Claim No.	DEL	Surv. E.		Dip-Collar	-46.05								
NTS	103 P/13	Surv. M.		Bearing	98.05								
Started	08/02/89	Logged by	B. WILSON	Drill No.	1000/1								
Finished	08/03/89	Checked by	A.D. BRAY	Foreman	M.JOHNSTON								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
SUMMARY								
0.00	**1.52**	**CASING**						
1.52	**25.80**	**ANDESITIC AGGLOMERATE (465t2)**						
25.80	**30.20**	**MINERALIZED ZONE (3A5t6)**						
30.20	**37.05**	**MINERALIZED ZONE (3A5m30)**						
37.05	**109.40**	**ANDESITIC AGGLOMERATE (465d1)**						
109.40	**114.91**	**ANDESITIC LAPILLI TUFF (365d1)**						
114.91	**114.91**	**E.O.H.**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**1.52**	**CASING**						
1.52	**25.80**	**ANDESITIC AGGLOMERATE (465t2)**						
		Subrounded to angular fragments, 0.2-9.0 cm or larger, in an aphanitic to coarse-grained, light green grey matrix. Fragments consist of light grey andesitic to dark grey green chloritic and often porphyritic material, and silicified and sericitized andesitic. Fragments size varies radically from place to place. In places the matrix has a planar fabric at approximately 50 degrees to the C.A. Moderately altered, slightly silicified and sericitized. Some sections are chloritic in places, especially near the bottom. Sections are highly silicified and/or sericitized. Sulphides occur as disseminations, pods and stringers. Overall sulphide content is 1-2% pyrite, less than 0.5% sphalerite, although short sections may grade 3-4% sphalerite.						
3.40	0.00	Fracture with 4.0 cm wide rusty hole at 65 degrees to the C.A.						
4.20	0.00	8.0 mm carbonate-quartz veinlet at 35 degrees to the C.A.						
5.30	0.00	Very rusty irregular fracture.						
5.90	0.00	Carbonate pod with minor sphalerite and pyrite.						
6.20	0.00	2.0 cm quartz-carbonate vein, at 40 degrees to the C.A., with rusty fracturing on one side.						
6.70	0.00	3.0 mm quartz-pyrite stringer at 10 degrees to the C.A.						
6.90	0.00	Rusty fracture at 30 degrees to the C.A.						
			37435	6.00	7.50	1.50	0.01	0.20
8.00	8.25	Very rusty zone (surface weathering).						
8.35	8.65	13.0 cm quartz-carbonate vein, with minor chlorite and trace sphalerite, at approximately 30 degrees to the C.A.						
			37436	7.50	9.00	1.50	0.03	0.20
9.40	0.00	Very rusty, 2.0 mm pyrite stringer at 55 degrees to the C.A.						
9.85	0.00	1.0 cm pyrite vein, at 45 degrees to the C.A., with a 1.0 cm wide bleached halo on each side.						
10.00	0.00	Very rusty fracture with 3.5 cm wide rusty hole.						
			37437	9.00	10.50	1.50	0.03	0.60
10.60	10.70	Five rusty fractures, with 15.0 cm wide combined halo, at 40 degrees to the C.A. (fault?).						
13.70	0.00	Trace sphalerite.						
13.85	0.00	Rusty fracture, at a 2.0 mm wide pyrite stringer, at 55 degrees to the C.A.						
15.85	0.00	Very rusty fracture, with 3.0 cm wide rusty halo, at 40 degrees to the C.A.						
16.80	0.00	Trace sphalerite.						
16.95	17.35	At least five very rusty fractures at 45 degrees to the C.A, and very rusty core (fault?).						
17.90	0.00	Trace sphalerite.						
18.40	0.00	Trace sphalerite.						
19.35	0.00	Trace sphalerite.						
			37438	18.00	19.50	1.50	0.02	0.30
20.40	20.60	Very rusty rock with several fractures and a 2.0 mm wide pyrite stringer at 40 degrees to the C.A.						
			37439	19.50	21.00	1.50	0.01	0.90
			37440	21.00	22.50	1.50	0.02	0.70

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
22.50	22.90	Two irregular carbonate-quartz-pyrite veins, 20.0 cm apart, 1.0 cm and 2.5 cm, wide, at 50 degrees to the C.A. Surrounding each, and coelesing in one 40.0 cm band, is a zone of silicified bleached rock. Minor sphalerite occurs in a millimetre wide stringer in the silicified core.						
23.50	25.80	Strongly silicified zone, with abundant sphalerite and pyrite. Sphalerite as fine disseminations, veinlets and stringers is more abundant in the upper part and pyrite is more abundant in the lower half. Interval averages 4% pyrite and 2% sphalerite.	37441	22.50	24.00	1.50	0.05	6.50
			37442	24.00	25.50	1.50	0.17	5.20
24.00	0.00	Pyrite clot, 4.0 cm across, and very weathered rusty zone 10.0 cm wide.						
25.50	0.00	1.0-1.8 cm pyrite-sphalerite vein at 45 degrees to the C.A.						
25.80	**30.20**	**MINERALIZED ZONE (3A5t6)**						
		Highly silicified angular andesite fragments in a black chloritic matrix. Fragments range from 0.1-16.0 cm, but are typically 0.5-1.5 cm, and constitute about 70% of the core. Sulphides occur predominantly as partial replacement of fragments and to a lesser content in carbonate veins. Interval averages 4% pyrite and 2% sphalerite.						
26.70	26.80	Two 5.0 mm carbonate-sphalerite stringers at 65 and 80 degrees to the C.A.						
			37443	25.50	27.00	1.50	0.06	3.00
			37444	27.00	28.50	1.50	0.04	0.80
29.80	29.90	4.5 cm wide banded pyrite-carbonate-sphalerite vein at 30 degrees to the C.A.						
			37445	28.50	30.00	1.50	0.27	2.40
30.20	**37.05**	**MINERALIZED ZONE (3A5m30)**						
		Similar to the interval above except that here there is a much higher sulphide contentulphide and the breccia fragments are more varied. Sulphide content varies locally from 5-70%, and averages approximately 30% overall. 24% pyrite 6% sphalerite and trace galena. Sulphides replace and partially replace breccia fragments, and in places occur as wisps and stringers. Galena occurs completely surrounded by sphalerite. Breccia fragments are in general larger than those in the interval above, ranging up to 30.0 cm across. Some fragments are sulphide-rich or have been completely replaced by the sulphides. In many fragments, the silicified andesite is still present. One fragment 3.5 cm by 4.0 cm appears to be a very silicified bryozoan fossil. Several large quartz-rich fragments occur with varying amounts of sulphides. These may also be bryozoan fossils but the textures have not been well preserved. Cut by many rusty fractures and possibly a fault.						
30.20	30.85	Very rusty and spongy in appearance.						
30.85	31.50	Badly broken and very rusty core (fault?).	37446	30.00	31.50	1.50	0.41	6.70
31.50	32.00	Numerous rusty fractures.						
			37447	31.50	33.00	1.50	0.91	4.00
33.40	33.50	Very high sphalerite content (40%), with trace galena.						
			37448	33.00	34.50	1.50	0.16	16.70
35.65	0.00	Bryozoan fossil.						
35.90	36.10	Possible 20.0 cm long silicified and pyrite-rich bryozoan fossil, with trace galena. The central tubes in the fossil have been replaced by pyrite.	37449	34.50	36.00	1.50	0.09	22.20

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
36.40	36.80	Carbonate-rich section (45% carbonate) as irregular pods and stringers.						
37.00	0.00	Several very rusty fractures and some broken core (small fault?). One fracture at 35 degrees to the C.A.						
37.05	**109.40**	**ANDESITIC AGGLOMERATE (465d1)** Light grey andesitic and dark grey green chloritic fragments occur in an aphanitic to medium-grained light grey to chloritic matrix. Fragments range widely in size from several millimeters to 14.0 cm, and many are porphyritic. Phenocrysts in the light grey andesitic fragments are often composed of sericite. sericite. The unit is slightly to moderately silicified, chloritized sericitized and carbonitized throughout. Highly silicified and sericitized in places, especially in the upper 10.0 meters or so. Cut sporadically by carbonate and quartz-carbonate stringers and veins. Pyrite occurs as very light disseminations, pods and stringers. It occurs in association with chloritic stringers and carbonate in the upper few metres, and over short sections. The overall average of this interval is 5% pyrite. Some sections are noticably chloritic. Chlorite forms fine wisps and stringers which permeate these areas to variable degrees.						
37.05	49.00	Moderately silicified and slightly sericitized. 37.05-37.20: Carbonate-rich pod. 37.20-37.35: Abundant carbonate-quartz stringers form a small breccia with minor pyrite. Bounded by a 9.0 mm quartz-carbonate vein at 50 degrees to the C.A. 37.35-37.65: Zone of subparallel chloritie stringers (approximately 35%), with 2% pyrite, at 40-50 degrees to the C.A. 37.65-38.45: Zone rich in chlorite stringers and carbonate pods with pyrite and minor sphalerite. 7% pyrite, 10% carbonate, and 5% chloritic stringers. 38.95-39.20: 5% carbonate stringers and pods. 44.30: 6.0 cm quartz-carbonate vein at 85 degrees to the C.A. 44.60: Chlorite partially replaces the outside rim of a volcanic fragment. 46.70: Rusty fracture at 45 degrees to the C.A. 47.70: 6.0 mm carbonate veinlet at 35 degrees to the C.A.	37450	36.00	37.50	1.50	0.39	19.80
			37501	37.50	39.00	1.50	0.27	8.00
			37502	39.00	40.50	1.50	0.03	0.80
			37503	40.50	42.00	1.50	0.02	0.70
			37504	42.00	43.50	1.50	0.02	0.60
48.90	50.00	A very irregular carbonate vein, nearly parallel to the C.A., probably 10.0 cm or more wide, cut by several subparallel carbonate veinlets, 7.0-8.0 mm, at 30-35 degrees to the C.A.	37505	48.00	49.50	1.50	0.01	1.60
50.50	0.00	Two irregular fractures at approximately 15 degrees to C.A., with rusty, 2.0 cm halos.						
			37506	49.50	51.00	1.50	0.02	1.10
51.00	51.80	Chloritic zone with most chloritic stringers (30%) forming a planar fabric at 45 degrees to the C.A. 51.35: 5.0-8.0 mm pyrite-carbonate veinlet at 35 degrees to the C.A., which is parallel to the planar fabric of the chlorite. 51.50-51.70: Very irregular carbonate stringer with minor pyrite and sphalerite 20% carbonate, 5% pyrite and minor sphalerite.						
52.20	52.30	Two parallel carbonate and quartz-carbonate veins, 15.0 mm and 13.0 mm, at 40 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			37507	51.00	52.50	1.50	0.02	2.90
			37508	52.50	54.00	1.50	0.02	0.90
			37509	54.00	55.50	1.50	0.02	1.30
55.60	0.00	Rusty fracture at 10 degrees to the C.A.						
55.60	56.40	Quartz-carbonate and carbonate veins and pods. Seven parallel veinlets, 1.0-8.0 mm wide, at 35 degrees to the C.A. Pyrite-quartz-sphalerite vein at 65 degrees to the C.A. These areas grade 3% pyrite as disseminations and veins, and less than 0.5% sphalerite.						
			37510	55.50	57.00	1.50	0.16	3.30
57.60	0.00	Irregular 3.0 mm pyrite-carbonate stringer.						
59.50	0.00	3.0-5.0 mm wide rusty pyrite-carbonate veinlet at 20 degrees to the C.A. One vein wall is a rusty fracture.						
60.50	60.80	One very rusty fracture at 35 degrees to the C.A., and two very rusty porous zones, possibly due to weathering along irregular carbonate or pyrite pods and stringers.						
			37511	60.00	61.50	1.50	0.46	16.70
61.65	0.00	Rusty earth-filled fracture, with 1.0 cm rusty halo, at 35 degrees to the C.A.						
			37512	61.50	63.00	1.50	0.03	1.80
65.40	0.00	2.0 mm pyrite-carbonate stringer nearly parallel to the C.A.						
66.90	0.00	Rusty irregular fracture at 15 degrees to the C.A.						
68.20	68.50	1.0-1.2 cm quartz and carbonate-quartz vein at 10 degrees to the C.A.						
71.50	71.85	Very chloritic matrix.						
72.95	0.00	1.5 cm banded carbonate-quartz vein at 40 degrees to the C.A.						
72.95	73.65	Banded medium to coarse-grained andesitic lapilli tuff.	37513	71.50	73.00	1.50	0.04	1.30
73.65	74.10	Very chloritic matrix.						
74.30	78.20	Slight increase in silicification and possibly sericitization in this interval.	37514	73.00	74.50	1.50	0.02	2.70
		75.10-75.50: 20% irregular carbonate pods and stringers.	37515	74.50	76.00	1.50	0.01	2.20
		77.50: Rusty fracture at 35 degrees to the C.A.	37516	76.50	77.50	1.00	0.02	1.60
		77.80-78.30: Five very rusty fractures, at various intersecting angles, at 25 - 65 degrees to the C.A.						
78.30	79.00	Rusty, silicified, sericitized and chloritic zone cut by several rusty fractures. 2% pyrite.	37517	77.50	79.00	1.50	0.03	0.50
79.50	0.00	1.0-4.0 mm pyrite-carbonate stringer at 15 degrees to the C.A.						
80.00	86.25	Abundant rusty fractures, a few which coincide with quartz-carbonate veins, 0.5 -1.0 cm wide. Core angles vary from 30-90 degrees to the C.A. One fracture is	37518	79.00	80.50	1.50	0.02	0.70
			37519	80.50	82.00	1.50	0.01	0.60
		lined on both sides with euhedral quartz crystals, up to 2.0 mm across.	37520	82.00	83.50	1.50	0.01	0.70
		80.70: Two subparallel quartz-carbonate stringers, 2.0 mm and 7.0 mm, at 60 degrees to the C.A., with minor sphalerite.	37521	83.50	85.00	1.50	0.02	1.00
83.45	83.75	0.8-1.0 cm carbonate veinlet at 15 degrees to the C.A. It appears to offset, in part, an irregular banded concentration of quartz-carbonate, pyrite and chlorite, 1.5-2.5 cm wide, at 20 degrees to the C.A. The other way, by 8.0 cm, the other side of the core does not show as much offset.						
84.20	85.20	Coarse-grained crystal tuff.						
85.95	86.20	Irregular carbonate pods, stringers and veinlets at 20 and 50 degrees to the C.A. Some contain associated chlorite and pyrite. 2% carbonate and 2% pyrite.						
86.25	86.80	Nine parallel carbonate stringers, ranging from 2.0-7.0 mm, at 50 degrees to the C.A.	37522	85.00	86.50	1.50	0.03	0.90
87.50	0.00	1.5 cm pyrite-carbonate vein, at 20 degrees to the C.A., within a 35.0 cm zone						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		of abundant rusty fractures.						
			37523	86.50	88.00	1.50	0.02	0.70
88.95	0.00	Rusty fracture, at 60 degrees to the C.A., with 8.0 mm wide rusty halo.						
			37524	88.00	89.50	1.50	0.04	0.90
89.95	0.00	Rusty fracture, on one side of 1.2-1.5 cm carbonate-pyrite vein, at 30 degrees to the C.A. On the other side of the vein, extendinf for about 5.0 cm, is a weak bleached alteration zone.						
90.80	0.00	2.0-2.5cm banded carbonate-chlorite vein, at 50 degrees to the C.A., with associated pyrite.						
			37525	89.50	91.00	1.50	0.02	1.50
			37526	91.00	92.50	1.50	0.05	1.70
			37527	92.50	94.00	1.50	0.03	0.50
			37528	94.00	95.50	1.50	0.08	0.80
96.45	0.00	5.0 cm carbonate-chlorite-pyrite (minor) at 60 degrees to the C.A.						
			37529	95.50	97.00	1.50	0.07	0.70
			37530	97.00	98.50	1.50	0.03	0.30
			37531	98.50	100.00	1.50	0.04	0.30
101.30	0.00	Quartz-carbonate stringers forming an irregular breccia about 10.0 cm wide.						
			37532	100.00	101.50	1.50	0.02	0.60
102.10	0.00	Rusty fracture at 30 degrees to the C.A.						
			37533	101.50	103.00	1.50	0.07	0.30
103.15	0.00	Very rusty fracture at 25 degrees to the C.A.						
			37534	103.00	104.50	1.50	0.07	0.50
104.50	105.60	Silicification slightly increased in this zone and possibly due to carbonate-chlorite vein concentration near the centre of the zone. 105.05-105.15: 7.0 cm wide concentration of carbonate and chlorite. Bounded on on side by a 5.0 mm band of chlorite, and on the other side by carbonate-chlorite vein, 1.5 cm wide, at 60 degrees to the C.A.						
			37535	104.50	106.00	1.50	0.04	0.60
			37536	106.00	107.50	1.50	0.02	0.50
108.50	108.85	Fine-grained lapilli tuff.						
108.70	108.90	Trace sphalerite.						
			37537	107.50	109.00	1.50	0.07	0.60
109.40	**114.91**	**ANDESITIC LAPILLI TUFF (365d1)**						
		Fine to medium-grained, light grey to greenish grey and dark grey green (chloritic) andesitic lapilli tuff with short agglomerate sections up to 40.0 cm long. Pyrite as blebs and stringers, averaging 0.5% in this interval. Cut by numerous carbonate veins and stringers.						
109.70	110.30	Chloritic section.						
			37538	109.00	110.50	1.50	0.04	0.40
111.15	111.55	Sericitic agglomeritic horizon.						
111.80	112.10	Very chloritic.	37539	110.50	112.00	1.50	0.05	0.60
112.10	112.40	Very silicified.						
112.55	0.00	5.0 cm carbonate vein at 20 degrees to the C.A.						
113.10	0.00	1.0 cm carbonate vein at 30 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			37540	112.00	113.50	1.50	0.02	0.80
113.60	114.90	Irregular carbonate stringer and carbonate - pyrite veinlet, 2.0 mm and 7.0 mm, nearly parallel to the C.A.						
			37541	113.50	114.91	1.41	0.03	0.80
114.91	**114.91**	**E.O.H.**						

Hole No.	WZ89.011	Northing	1+87N	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	00+11W	Grid Azim.		108.8	- 46		ACID				
Location	WILBY ZONE	Elevation	1804.22	Length (m)	160.63								
Claim No.	DEL	Surv. E.		Dip-Collar	-45.40								
NTS	103 P/13	Surv. W.		Bearing	37.30								
Started	08/03/89	Logged by	B. WILSON	Drill No.	1000/1								
Finished	08/04/89	Checked by	A.D. BRAY	Foreman	M.JOHNSTON								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
SUMMARY								
0.00	1.52	CASING						
1.52	12.80	ANDESITIC AGGLOMERATE (465t1)						
12.80	15.00	ANDESITIC CRYSTAL TUFF (565t1)						
15.00	21.40	ANDESITIC AGGLOMERATE (465t1)						
21.40	24.70	ANDESITIC LAPILLI TUFF (367t2)						
24.70	28.15	MINERALIZED ZONE (3A5m30)						
28.15	30.70	ANDESITIC CRYSTAL TUFF (565r2)						
30.70	36.90	MINERALIZED ZONE (3A5m41)						
36.90	47.15	MINERALIZED ZONE (3A6t15/4A6t15)						
47.15	52.80	ANDESITIC LAPILLI TUFF (3A7t2)						
52.80	57.70	MINERALIZED ZONE (4A8r5)						
57.70	83.00	ANDESITIC LAPILLI TUFF (366t2)						
83.00	89.60	ANDESITIC CRYSTAL TUFF (565t2)						
89.60	107.60	ANDESITIC LAPILLI TUFF (3A5t2)						
107.60	147.20	ANDESITIC AGGLOMERATE (465t3)						
147.20	160.63	ANDESITIC LAPILLI TUFF (365t2)						
160.63	160.63	E.O.H.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**1.52**	**CASING**						
1.52	**12.80**	**ANDESITIC AGGLOMERATE (465t1)**						
		Agglomerate fragments widely dispersed throughout, in a light green grey to slightly chloritic medium grey green andesitic ssh tuff matrix (crystal tuff matrix in places). Matrix grain size varies from aphanitic to coarse-grained. Fragments vary widely in size from 0.2-9.0 cm, perhaps even larger in places. Compositionally they are similar to the matrix, and in places, the alteration creates poorly defined fragments boundaries. The percentage of fragments varies widely and in general is above 30% (fragments over 0.5cm). There are short sections that are dominantly ash tuff, were the fragment content is very low. This unit is moderately altered. Alteration varies slightly from place to place. Slight silicification appears ubiquitous. Sericitization and chloritization is prominent in some fragments and locallized areas. Slight carbonatization may also occur. The unit is cut by numerous quartz-carbonate and carbonate veins and stringers. Sulphides occur as fine, uncommon disseminations, pods, stringers and veins often associated with carbonate. 0.5% pyrite, trace sphalerite and trace galena.						
0.05	1.20	Five rusty fractures, with rusty halos from 0.5-2.0 cm wide, at 45-50 degrees to the C.A. None are parallel.						
1.00	0.00	0.7-1.2 cm quartz-carbonate vein, at 55 degrees to the C.A., with a subparallel 0.7-3.0 cm quartz-carbonate-chlorite stringer with trace sphalerite.						
2.10	0.00	Slickensides, at 75 degrees to the C.A., on fracture at 30 degrees to the C.A.						
4.20	4.50	Approximately 16 submillimeter-sized chlorite veinlets at 30 degrees to the C.A.						
5.95	0.00	Rusty fracture, at 45 degrees to the C.A., with 1.5 cm rusty halo.						
7.10	0.00	Rusty fracture, at 70 degrees to the C.A., with 3.0 cm rusty halo.						
7.80	8.10	Trace sphalerite.						
8.50	9.10	less than 0.5% sphalerite as millimeter-sized veinlets, associated with carbonate.						
9.50	0.00	Carbonate-pyrite-sphalerite stringer, up to 5.0 mm wide, at 70 degrees to the C.A.						
9.80	10.00	Sericitized matrix.						
10.65	10.90	Trace sphalerite.						
11.20	0.00	1.0 cm rusty carbonate vein, at 80 degrees to the C.A., bounded on one side by a parallel rusty haloed fracture.						
11.40	11.50	Trace sphalerite, mostly with pyrite in 0.6 cm by 2.0 cm carbonate pod.						
12.00	12.10	Chlorite-sericite-pyrite stringers at 45-50 degrees to the C.A.						
12.50	12.60	Two very rusty fractures, with rusty halos up to 15.0 cm wide, at 45 and 20 degrees to the C.A. Shallow fractures parallels a 2.0-3.0 mm pyrite stringer.						
12.80	**15.00**	**ANDESITIC CRYSTAL TUFF (565t1)**						
		Medium-grained, light grey green crystals tuff with white (plagioclase?) phenocrysts 0.5-2.0 mm in size. Weak to moderate (quartz-sericite) alteration. Sulphides generally restricted to carbonate pods and tiny stringers. Less than 0.5% of both pyrite and sphalerite.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
13.40	0.00	Minor sphalerite in carbonate-pyrite-sphalerite veinlets.						
			37542	12.00	13.50	1.50	0.05	0.4
14.70	14.80	Three rusty fractures, with rusty halos 1.5-2.0 cm wide, at 45 and two at 75 degrees to the C.A.						
			37543	13.50	15.00	1.50	0.04	0.3
15.00	**21.40**	**ANDESITIC AGGLOMERATE (465t1)**						
		Description as per 1.52-12.80 metres.						
16.35	0.00	Trace pyrite-sphalerite-galena.						
			37544	15.00	16.50	1.50	0.02	0.4
			37545	16.50	18.00	1.50	0.04	0.5
18.40	0.00	0.3-1.0 cm carbonate-sphalerite vein(let) at 80 degrees to the C.A. 1.2 cm by 1.5 cm sphalerite pod and minor disseminated spahlerite adjacent to the vein.						
19.00	0.00	1.0 mm carbonate-sphalerite stringer at 30 degrees to the C.A.						
			37546	18.00	19.50	1.50	0.02	0.5
20.75	0.00	Rusty fracture at 80 degrees to the C.A.						
20.80	0.00	Minor sphalerite associated with chlorite-carbonate pod. Gradational lower contact.						
			37547	19.50	21.00	1.50	0.04	0.2
21.40	**24.70**	**ANDESITIC LAPILLI TUFF (367t2)**						
		This interval is pervasively bleached and appears to be a andesitic lapilli tuff (strong quartz-carbonate alteration). This alteration obliterates rock texture a in many places. Interrupted by many rusty fractures (fault?). The lower contact becomes chloritic as it grades into the lower unit. Pyrite occurs as fine disseminations, pods and stringers. 1-2% pyrite and trace sphalerite.						
22.20	0.00	Two very rusty zones, 2.0-4.0 mm on either side of a 2.0-4.0 mm wide quartz stringer.						
22.35	22.60	Four very rusty fractures, with intensely rusty halos up to 1.0 cm, three of which are at 70 degrees to the C.A., and one of which is at 45 degrees to the C.A. None are parallel.	37548	21.00	22.50	1.50	0.02	0.2
23.25	23.35	Very rusty, extremely broken up core (fault?).						
23.80	0.00	Trace sphalerite.						
23.90	0.00	Pyrite pods with 5% pyrite over 5.0 cm.						
			37549	22.50	24.00	1.50	0.04	0.5
24.35	24.70	Numerous chlorite stringers and chloritization (20% chlorite overall). Chloritic, slightly gradational lower contact.						
24.70	**28.15**	**MINERALIZED ZONE (345m30)**						
		Angular fragments of predominantly silicified volcanics in a predominantly dark grey green chloritic matrix. Fragments are typically 0.5-2.0 cm, although they range from 0.1-10.0 cm. One fragment appears to be a silicified bryozoan, partially replaced by pyrite. The matrix is about 30% of rock and is in places carbonate-rich and sericitic. Patches of carbonate are common. Sulphides occur throughout, dominantly as breccia fragment replacements and partial						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		replacements. Sulphides, up to 95% locally, average 30% in this interval, and consist of 26% pyrite, 4% sphalerite and trace chalcopyrite.						
			37550	24.00	25.50	1.50	0.40	2.7
25.70	26.00	90% sulphides.						
26.00	0.00	Bryozoan fossil.						
26.95	0.00	1.2 cm pyrite vein at 20 degrees to the C.A.						
			37551	25.50	27.00	1.50	0.29	3.6
27.30	0.00	Rusty fracture, at 50 degrees to the C.A., with 1.0-1.5 cm wide rusty halo.						
28.15	**30.70**	**ANDESITIC CRYSTAL TUFF (S65r2)**						
		20% sericitized phenocrysts up to 3.0 mm occurs in a fine-grained to aphanitic medium green matrix. Quartz-chlorite-sericite alteration. Sulphides occur mainly as disseminations and to a lesser extant as pods associated with carbonate. The interval averages 2% pyrite and trace sphalerite. 5.0 mm carbonate veinlet, at 50 degrees to the C.A., offset partially by carbonate-filled fault, up to 1.0 cm wide, at 55 degrees to the C.A. Displacement of 5.0 mm.						
			37552	27.00	28.50	1.50	0.34	2.3
			37553	28.50	30.00	1.50	0.06	0.3
30.70	**36.90**	**MINERALIZED ZONE (3A5m41)**						
		Very similar to the unit above at 24.70 to 28.15 metres, except that there are a few more fragemnets 10.-30.0 cm in size, most of which have been pervasively silicified. The sphalerite content is also lower. Interval averages 40% pyrite, 0.5% sphalerite, and trace chalcopyrite. Some of the large, very siliceous fragments have relic textures indicating that they may be bryozoan fossils.						
31.10	0.00	8.0 mm by 3.0 mm sphalerite pod associated with carbonate.						
			37554	30.00	31.50	1.50	0.25	1.2
31.70	32.75	80% pyrite. 31.70-31.80: 90% massive chlorite.						
			37555	31.50	33.00	1.50	0.31	3.7
			37556	33.00	34.50	1.50	0.10	3.1
34.70	34.90	Possible bryozoan fossil.						
			37557	34.50	36.00	1.50	0.38	0.2
36.90	0.00	Rusty fracture at 45 degrees to the C.A.						
36.90	**47.15**	**MINERALIZED ZONE (3A6t15/4A6t15)**						
		Very heterogenious unit consisting of sections 10.0-80.0 cm wide of chloritic medium-grained lapilli tuff, chloritic agglomerate and sulphide-rich anastomosing chlorite-rich breccia-like rock. The chloritic breccia appears less like a breccia and more like pervasively chloritized rock where chlorite bands have formed anastomosing patterns around less chloritic host rock. The content of chloritic material varies in places from a few random stringers to local concentrations of up to 50% or more. Carbonate patches, stringers and						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		veins are common. The interval averages 13% pyrite and 2% sphalerite.						
36.90	37.65	Pyrite-rich chloritized breccia-like rock with planar fabric at 45 degrees to the C.A. 50% pyrite and trace sphalerite.	37558	36.00	37.50	1.50	0.07	3.3
37.65	37.80	Medium-grained chloritic lapilli tuff.						
37.80	38.30	Chloritized breccia-like rock.						
38.30	42.65	Fine mix of chloritized breccia-like rock and medium-grained chloritic lapilli tuff, and possibly agglomerate.	37559	37.50	39.00	1.50	0.16	2.1
			37560	39.00	40.50	1.50	0.06	1.5
		40.20: 3.0 cm irregular carbonate-sphalerite vein, with 5% sphalerite, at 30 degrees to the C.A.	37561	40.50	42.00	1.50	0.10	2.3
42.65	43.00	Chloritic with several carbonate and chlorite stringers.						
43.00	43.80	Chloritized breccia-like rock with weak planar fabric at 20-45 degrees to the C.A.	37562	42.00	43.50	1.50	0.02	1.3
43.80	44.35	Medium grained chloritic lapilli tuff.						
		44.10: 5.0-6.0 carbonate veinlet at 35 degrees to the C.A.						
		44.20: 4.0 cm carbonate-pyrite vein (7% pyrite) at 45 degrees to the C.A.						
44.30	45.00	Chloritic agglomerate with minor chloritic stringers.	37563	43.50	45.00	1.50	0.01	1.3
45.00	45.15	Chloritic lapilli tuff.						
45.15	45.70	Chloritic agglomerate.						
45.70	46.00	Chloritic lapilli tuff.						
46.00	46.40	Mixed agglomerate and chloritized breccia-like rock.						
46.40	46.85	Very chloritic breccia-like rock with 50% chlorite,5% sphalerite and 25% pyrite 46.40-46.50: Probably silicified, partially sulphide-replaced bryozoan fossil fragment with the inside tubes partially replaced by pyrite and sphalerite.	37564	45.00	46.50	1.50	0.01	1.4
46.85	47.15	Chloritic lapilli tuff.						
47.15	**52.80**	**ANDESITIC LAPILLI TUFF (3A7t2)**						
		Volcanic fragments 0.3-5.0 cm or more, in an aphanitic to medium-grained matrix Moderate to strong chlorite and siliceous alteration. Short sections are very silicified, and near the bottom chlorite alteration is intense. Most fragments are highly chloritized. Numerous irregular fractures. Pyrite occurs as pods, stringers and disseminations with an overall concentration of 2%, but increases towards the lower end of unit. Minor sphalerite disseminated throughout. Weak planar fabric throughout at 40-45 degrees to the C.A.	37565	46.50	48.00	1.50	0.02	3.6
49.40	49.70	Rusty core.	37566	48.00	49.50	1.50	0.01	0.5
49.70	0.00	Two parallel rusty fractures at 30 degrees to the C.A., one of which is centered on a quartz-carbonate veinlet, 0.5-1.0 cm wide. The carbonate has weathered,leaving behind rusty euhedral quartz crystals, up to 2.0 mm, lining the fracture.						
50.15	50.80	Irregular rusty fracture nearly parallel to the C.A.	37567	49.50	51.00	1.50	0.02	0.8
51.20	0.00	Irregular 7.0 mm carbonate-pyrite veinlet predominantly at 45 degrees to the C.A.						
51.50	51.75	Highly siliceous zone due, in part, to silicified lapilli tuff and numerous crypto-crystalline quartz (chalcedony) stringers, up to 4.0 mm wide), averaging 35-40 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		51.65-51.75: Two irregular, subparallel rusty fractures at 25 degrees to the C.A.						
51.75	51.80	Very chloritc section with 6% pyrite.						
			37568	51.00	52.50	1.50	0.01	1.8
52.80	**57.70**	**MINERALIZED ZONE (440r5)**						
		Pervasively silicified volcanic rock (lapilli tuff?), characterized by the presence of veinlets and stringers of light to medium green crypto-crystalline quartz (chalcedony?) up to 4.0 mm wide. Abundance of quartz stringers varies from 5-75%. They obscure primary rock textures in most places, but in one area of light silicification the host appears to be a lapilli tuff. Interupted by numerous fractures, some of which are stained a creamy yellow colour. Sulphide content is highly variable, but averages about 4% pyrite and minor sphalerite.						
52.80	0.00	Rusty fracture at 30 degrees to the C.A.						
52.80	53.40	Intensely altered with 50% quartz stringers, 18% pyrite and 2% sphalerite.						
53.80	54.65	Intense alteration with 75% quartz stringers. 53.95: Irregular cavities formed from weathered calcite. 54.50-54.75: Three subparallel, irregular fractures at 25 degrees to the C.A. On the fracture surface is a layer of micro crystalline, druzy quartz with minor euhedral pyrite. Under the thin quartz layer is a cream yellow-coloured stain on thin mineral coating.	37569	52.50	54.00	1.50	0.21	2.6
55.05	0.00	Three irregular fractures, 1.0 cm apart, at 35 degrees to the C.A. These fractures have a light cream yellow-coloured stain.						
55.40	0.00	Rusty fracture at 30 degrees to the C.A., centered on an irregular quartz vein. Part of the fracture surface has a strong cream yellow-coloured stain. Two other fractures, 5.0 cm away, one parallel and the other at 50 degrees to the C.A., have light cream yellow-coloured stains.						
			37570	54.00	55.50	1.50	0.02	1.4
56.30	0.00	Four very irregular rusty yellowish fractures.						
56.35	56.45	Several irregular cavities up to 4.0 cm long and 8.0 mm wide.						
56.50	0.00	Three slightly rusty fractures and several mm wide cavities.						
56.90	57.25	Zone with 5-10% open cavities up to 1.8 cm by 2.2 cm. Probably due to surface weathering, because of the abundant pyrite on the walls, and the lack of a rusty weathering product. 57.05: Rusty fracture at 60 degrees to the C.A.	37571	55.50	57.00	1.50	0.02	1.1
57.70	**83.00**	**ANDESITIC LAPILLI TUFF (386t2)**						
		Moderately to strongly altered volcanikc rock. Alteration obscures primary rock textures in many places, but were textures are apparent lapilli fragments are usually chloritized and/or sericitized, and range from 0.5 cm to 5.0 cm or more. In a few places the fragments ressemble more closely the light grey green coloured aphanitic to medium-grained matrix. Throughout much of this interval, the rock appears to be a mix of various sized-pods of one alteration type in another alteration type. Typically mixtures of light and dark coloured alterations. This texture ressembles that of an agglomerate, but the fragment boundaries often, at first glance, coalesce into shapes atypical and unlike						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		agglomerate fragments. Overall this unit grades back and forth between a lapilli tuff and rock where apparent fragments coalesce into unusual shapes. The various alterations include light grey green silicification plus or minus carbonitization (most abundant), greasy medium grey green chlorite-sericite alteration and dark green chloritic alteration, but many gradations occur. In a few places one alteration type will dominate to the exclusion of the others. Carbonate stringers, pods and veins are common. Sulphides occur irregularly distributed as disseminations, pods, stringers and veins several several percent overall, but much higher locally. The interval averages 2% pyrite and less than 0.5% sphalerite.						
57.80	0.00	Three rusty fractures at 60 , 50 and 35 degrees to the C.A. A quartz-carbonate stringer, 0.5 cm wide, at 40 degrees to the C.A., where the carbonate has weathered out.						
58.30	58.70	Several slightly rusty fractures nearly parallel to the C.A.	37572	57.00	58.50	1.50	0.01	0.6
58.85	59.15	Numerous irregular rusty fractures,some nearly parallel to the C.A.						
59.40	61.00	Agglomeritic texture.	37573	58.50	60.00	1.50	0.01	0.1
			37574	60.00	61.50	1.50	0.01	0.2
			37575	61.50	63.00	1.50	0.02	0.3
			37576	63.00	64.50	1.50	0.01	0.3
			37577	64.50	66.00	1.50	0.03	0.1
			37578	66.00	67.50	1.50	0.02	0.1
			37579	67.50	69.00	1.50	0.09	0.2
69.20	69.40	Up to 5% sphalerite associated with carbonate pods and stringers.						
			37580	69.00	70.50	1.50	0.02	0.1
71.20	0.00	1.0 cm carbonate vein at 65 degrees to the C.A.						
71.50	72.50	4% sphalerite as disseminations and with pyrite-carbonate pods and stringers.	37581	70.50	72.00	1.50	0.03	1.0
73.30	73.80	3% of both sphalerite and pyrite.	37582	72.00	73.50	1.50	0.01	0.9
73.85	0.00	7.0 mm carbonate veinlet at 90 degrees to the C.A.						
			37583	73.50	75.00	1.50	0.04	1.4
			37584	75.00	76.50	1.50	0.02	2.9
76.90	80.30	Intense silicification and sericitization.	37585	76.50	78.00	1.50	0.01	2.6
		77.30: 6.0 cm carbonate vein at 70 degrees to the C.A.	37586	78.00	79.50	1.50	0.01	1.7
		78.10-78.50: 1.5-2.0 cmIrregular carbonate-quartz-pyrite-sphalerite vein at 20-25 degrees to the C.A. 4% pyrite and 0.5% sphalerite.						
		79.65-80.00: Carbonate-microcrystalline quartz pod with 3% pyrite and minor sphalerite.						
			37587	79.50	81.00	1.50	0.02	3.2
81.15	0.00	Pyrite-carbonate pod with 30% pyrite over 10.0 cm.						
81.40	81.60	2.0-4.0 mm wide discontinuous calcedony vein parallel to the C.A., offset by tiny fractures at 40 degrees to the C.A. Fractures contain discontinuous films of carbonate and sphalerite and oddsets the chalcedony vein by 3.0 cm.						
81.60	84.00	Numerous subparallel carbonate veins, ranging from 0.5-3.0 cm, at 85 degrees to the C.A.	37588	81.00	82.50	1.50	0.02	1.1
		82.70: 1.2-2.0 cm carbonate vein at 45-60 degrees to the C.A.	37589	82.50	84.00	1.50	0.06	1.0
83.00	**89.60**	**ANDESITIC CRYSTAL TUFF (565t2)**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		20-25% dark coloured phenocrysts, 1.0-6.0 mm in size. Light grey aphanitic to fine-grained matrix. Many phenocrysts are sericitic. Moderately altered in the upper section, quartz and sericite alteration is quite strong but gradually lessens in intensity towards the middle of the unit. Numerous carbonate veins and stringers, especially in the upper half of unit. Sulphides occur as blebs, and stringers, often associated with carbonate or chlorite, and as disseminations. Interval averages 2% pyrite and trace sphalerite.						
83.00	86.50	Strong quartz and sericite alteration. 83.70: 8.0 mm 8mm carbonate-pyrite veinlet at 55 degrees to the C.A. 84.00-84.20: 7.0 cm carbonate vein at 20 degrees to the C.A. One vein wall is a 3.0-7.0 very fine-grained greenish quartz stringer. 84.20-84.50: 25% carbonate content as stringers. 85.65: Trace sphalerite in carbonate pod. 85.90-86.00: Very irregular grey quartz-carbonate pod. 86.40: 1.0-1.2 cm carbonate-quartz vein at 30 degrees to the C.A., with 5% sphalerite. Other irregular carbonate stringers contain approximately 5% sphalerite.	37590	84.00	85.50	1.50	0.02	0.7
			37591	85.50	87.00	1.50	0.01	1.1
87.00	87.10	1.0-2.0 cm carbonate vein, with 3% pyrite, and a 3.0 mm parallel fine-grained quartz vein 2.5 cm apart, at 25 degrees to the C.A. 0.8-3.5 cm carbonate-wall rock breccia vein in between both parallel veins.						
			37592	87.00	88.50	1.50	0.03	0.8
88.85	0.00	Trace sphalerite.						
89.60	**107.60**	**ANDESITIC LAPILLI TUFF (3A5t2)**						
		Angular to subrounded fragments 0.2-11.0 cm, or larger, typically 1.0-4.0 cm in a fine-grained, dark grey green (chloritic) to medium-grained light grey green andesitic matrix. Dark chloritic matrix is most abundant. Fragments range from dark grey green (chloritic) to light grey green and a few are porphyritic. Most fragments show sharp contrast to the darker matrix, although the contrast lessens in areas with less chloritic matrix. In places, this interval resembles a chloritic breccia. Chloritization is the dominant alteration. Sericitic alteration occurs, but is less intense. Shorte sections have experienced intense silicification and sericitization. Sulphides occur sporadically as disseminations, stringers and veins with carbonate, chlorite and as partial replacement of fragments. Interval averages 2% pyrite and trace sphalerite.						
			37593	88.50	90.00	1.50	0.01	0.7
91.40	0.00	Trace sphalerite.						
			37594	90.00	91.50	1.50	0.01	1.0
91.70	92.30	Strong quartz-sericite alteration with minor sphalerite.						
			37595	91.50	93.00	1.50	0.09	3.1
93.00	93.90	5% disseminated pyrite, two parallel carbonate-quartz stringers, 3.0-7.0 mm, at 30 degrees to the C.A. Minor sphalerite.						
			37596	93.00	94.50	1.50	0.17	4.6
			37597	94.50	96.00	1.50	0.02	1.6

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
97.20	98.20	5% pyrite and minor sphalerite.	37598	96.00	97.50	1.50	0.03	3.0
98.80	0.00	Trace sphalerite.						
			37599	97.50	99.00	1.50	0.01	1.2
			37600	99.00	100.50	1.50	0.01	1.0
101.40	0.00	Minor sphalerite with two pyrite-carbonate pods.						
101.80	0.00	3.0-5.0 carbonate-sphalerite stringer at 50 degrees to the C.A. Parallel to this, 3.0 cm away, is a 2.0 cm wide banded fine-grained grey green quartz-carbonate vein with minor sphalerite.						
			37701	100.50	102.00	1.50	0.06	1.4
102.30	0.00	20% finely disseminated pyrite over 5.0 cm.						
102.65	0.00	2.0-2.5 cm carbonate vein at 35 degrees to the C.A.						
			37702	102.00	103.50	1.50	0.14	1.0
104.80	105.20	Irregular discontinuous pyrite stringer with minor quartz-sphalerite parallel to the C.A. for 20.0 cm, with a halo of disseminated pyrite, up to 2.0 cm on either side. Overall average of 10% pyrite.	37703	103.50	105.00	1.50	0.19	0.9
106.15	106.85	Patches of finely disseminated pyrite (6%).	37704	105.00	106.50	1.50	0.20	0.7
107.50	107.60	8.0 cm grey white carbonate vein, with minor pyrite, at 45 degrees to the C.A. cut by cream quartz-carbonate-chlorite vein, 2.5 cm wide, at 40 degrees to the C.A.						
107.60	**147.20**	**ANDESITIC AGGLOMERATE (465t3)**						
		Tightly packed subrounded to angular fragments, ranging in size from several millimeters to 20.0 cm or more, in an aphanitic to medium grained matrix. The unit consists of slightly silicified sectionss and long chloritic sections, and shorter mixed sections where one alteration grades into another. In slightly silicified sections both the fragments and the matrix are shades of light green to tan in colour. In chloritic sections both the fragments and the matrix are shades of a dark to medium green grey. In mixed sections, the matrix is usually chloritic and the fragments are usually lighter in colour. Sulphides occur as irregular pods and patches associated with carbonate or chlorite stringers and disseminations, and are often slightly more abundant in the chloritic sections. Interval averages 3% pyrite, trace sphalerite and trace chalcopyrite. Cut by carbonate, quartz-carbonate and quartz-chlorite veins.						
107.60	110.30	Slightly silicified (light green to tan colour).	37705	106.50	108.00	1.50	0.14	0.7
		108.00-110.00: 10 quartz-carbonate veins, 0.1-1.8 cm wide, at 40-75 degrees to the C.A.	37706	108.00	109.50	1.50	0.37	2.5
110.00	112.00	Mixed chlorite-siliceous alteration.	37707	109.50	111.00	1.50	0.27	2.5
		110.50-111.55: 8% pyrite as irregular pods and patches.						
		110.95: Banded carbonate-quartz vein at 45 degrees to the C.A., 1.4-2.1 cm of carbonate vein and 1.0-1.2 cm of quartz vein. Fracture, with slickensides at 10 degrees to the C.A., occurs on the quartz side of the vein.						
		111.50: Trace sphalerite.						
112.00	114.30	Chlorite section.	37708	111.00	112.50	1.50	0.99	10.0
		113.30-113.50: Carbonate vein with fragments of wallrock, pyrite and sphalerite 15.0-20.0 cm wide, at 60 degrees to the C.A. Several other carbonate and carbonate-quartz veins, 0.1-1.2 cm wide, in the vicinity.	37709	112.50	114.00	1.50	0.20	3.9

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
114.30	116.80	Slightly silicified (light green to tan in colour). 115.60: Trace sphalerite.	37710	114.00	115.50	1.50	0.23	1.4
116.80	117.80	Chlorite-sericite rock with 10% blebs of pyrite, 0.5-2.0 cm across, and 20% silicified volcanic rock, probably a shear zone. Planar fabric (shear?) at 30 degrees to the C.A. 116.85-117.00: Badly broken and crumbly core (fault?).	37711	115.50	117.00	1.50	0.61	11.0
117.80	117.90	Very quartz-rich tiny fragment (1.0-5.0 mm) breccia at 90 degrees to the C.A. Fragments are chlorite, pyrite, and sphalerite, mostly with several centimetre-sized fragments of silicified andesite.						
117.95	118.10	16.0 cm by 4.0 cm pod of pyrite with 2% sphalerite.						
118.00	119.00	Slightly silicified (light green to tan colour). 118.80-119.20: 25% pyrite in irregular pods with 2% sphalerite.	37712	117.00	118.50	1.50	8.85	19.5
119.00	122.00	Chloritic section.	37713	118.50	120.00	1.50	13.75	13.6
		120.10-121.00: Patches of finely disseminated pyrite (6%), and trace sphalerite	37714	120.00	121.50	1.50	0.37	3.4
		121.60-121.75: Pyrite stringer, 5.0-7.0 mm wide, with minor carbonate and sphalerite, at 15 deghrees to the C.A.						
122.00	124.25	Mixed chloritic-siliceous section. 122.15: Minor sphalerite in carbonate-quartz-sphalerite stringer.	37715	121.50	123.00	1.50	9.54	14.7
124.25	132.20	Siliceous to very siliceous section (light green to tan colour).	37716	123.00	124.50	1.50	0.84	8.9
		127.55: Trace sphalerite.	37717	124.50	126.00	1.50	0.58	4.9
		128.30: 5.0 mm carbonate stringer at 40 degrees to the C.A. Carbonate stringer	37718	126.00	127.50	1.50	0.20	3.0
		in a halo 1.5 cm wide on either side of the vein, is subparallel to the C.A.	37719	127.50	129.00	1.50	0.48	7.6
		Millimetre-wide carbonate stringer in a halo 1.5 cm wide.	37720	129.00	130.50	1.50	2.29	23.0
		130.50-130.90: 1.5 cm carbonate vein, with minor sphalerite and one wall lined with pyrite, at 20 degrees to the C.A.	37721	130.50	132.00	1.50	0.58	12.3
		131.00-131.40: Irregular pyrite stringer, 2.0-6.0 mm wide, with minor quartz, sphalerite and chalcopyrite nearly parallel to the C.A. 5% pyrite, trace sphalerite and trace chalcopyrite.						
132.00	132.20	Carbonate vein, with minor pyrite and included wallrock, 7.0-9.0 cm wide, at 25 degrees to the C.A.						
132.20	136.25	Chloritic section.	37722	132.00	133.50	1.50	1.10	19.5
		132.20-133.05: 7% pyrite.	37723	133.50	135.00	1.50	0.42	10.2
		134.05: 3.2 cm quartz-carbonate-chlorite vein, with numerous pyrite-bearing wallrock inclusions, at 70 degrees to the C.A. Several other carbonate and carbonate-quartz veins and stringers, 5.0-6.0 mm wide, nearly perpendicular to the C.A., within 15.0 cm of a large vein.						
		134.75: Irregular quartz-carbonate stringer with numerous wall-rock inclusions up to 5.0 cm wide.						
		135.40-135.90: 7% pyrite.						
136.25	142.00	Predominantly light green to tan in colour. Slightly siliceous section.	37724	135.00	136.50	1.50	0.73	9.8
		136.40-136.65: Network of carbonate-quartz-pyrite stringers, 0.1-2.0 cm wide.	37725	136.50	138.00	1.50	0.07	1.6
		5% pyrite.	37726	138.00	139.50	1.50	0.10	1.8
		138.55: 0.6-2.0 cm carbonate-quartz-chlorite vien at 60 degrees to the C.A.	37727	139.50	141.00	1.50	0.08	0.4
142.00	147.20	Mixed chloritic-siliceous section (matrix is often siliceous with chloritic	37728	141.00	142.50	1.50	0.12	1.4
		fragments).	37729	142.50	144.00	1.50	0.19	1.4
		142.05-142.20: Zone with parallel bands of chlorite, pyrite, quartz-carbonate	37730	144.00	145.50	1.50	0.02	0.8
		and siliceous volcanic material, at 40 degrees to the C.A.	37731	145.50	147.00	1.50	0.13	1.1
		In part brecciated. 15% pyrite. Each end bounded by quartz-carbonate-chlorite						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		veins, 5.0 mm and 0.7-1.5 cm wide, each with slickensides on one surface, at about 40 degrees to the C.A. 143.15-143.30: Irregular pyrite-quartz-chlorite-sericite pod, 15.0 cm by 4.0 cm 20% pyrite over 15.0 cm, with trace sphalerite near the quartz stringers. 144.40-145.20: Medium-grained andesitic lapilli tuff. 144.55-144.65: Pyrite patches with 1.0 cm bleached halos. 5% pyrite over 10.0 cm. 144.80: 8.0 mm chlorite-quartz veinlet at 60 degrees to the C.A. 145.70-153.80: Very fractured core, in some places fracture reduces core to gravel-sized fragments. 145.75-146.10: 2.0-5.0 cm-sized rubble. Does not appeared faulted. 146.25-146.40: 0.5-10.0 cm-sized rubble, some with slickensides (fault?). 146.70-146.80: 0.5-3.0 cm-sized rubble, some with slickensides (fault?).						
147.20	**160.63**	**ANDESITIC LAPILLI TUFF (385t2)**						
147.20	153.90	Predominantly fine to medium-grained, lapilli tuff, although short sections are agglomeritic. Tuff varies from a light green to tan colour (reflecting slight siliceous alteration) to dark grey green colour, indicative of slight chlorite alteration. The section of core is very fractured overall. Crosscut by numerous quartz-carbonate veins and some chlorite stringers. Sulphides occur as stringers, patches, disseminations and in quartz-carbonate veins. 2% pyrite and trace sphalerite. 147.80: Quartz vein, 3.0-4.0 cm wide, at 40-55 degrees to the C.A. Each vein/ wallrock surface is coated with chlorite and has slickensides at 15 degrees to to the C.A. 148.30: Zoned sphalerite in a quartz pod. Sphalerite is green, 4.0 mm by 2.0 mm, has an interior of yellow/brown, with a dark brown film. 148.60-148.90: 0.5-10.0 cm sized rubble, some with slickensides. Slickensides at 10 degrees to the C.A. on a fracture at 30 degrees to the C.A. 149.20-149.60: Five subparallel quartz-chlorite veins, with wall-rock fragments, three of which are 1.2-2.4 cm wide, at 55 degrees to the C.A. One vein, 1.0-4.0 mm wide, has 5% zoned sphalerite grains up to 5.0 mm by 4.0 mm. Sphalerite has a yellow/brown interior with dark brown rim. 149.85-150.10: Irregular carbonate vein, 0.4-2.0 cm wide, at 10 degrees to C.A. 6% Pyrite as stringers, wisps and patches. 151.50: 1.8 cm quartz - carbonate vein at 70 degrees to the C.A. 151.60-151.30: Carbonate vein at 70 degrees to the C.A., probably 5.0-10.0 cm wide, but hard to determine because of broken core with minor quartz-pyrite-chlorite at 50 degrees to the C.A. Three quartz-chlorite vein(lets) at 70 degrees to the C.A. Vein(lets) are 0.8, 0.1 and 1.4 cm wide, one of which crosscuts the thicker carbonate vein. 153.00-153.50: 0.5-10.0 cm-sized rubble (possible fault?). 153.80-153.90: Quartz stringers, 0.2-1.5 cm thick. 30% quartz over 10.0 cm.	37732 37733 37734 37735	147.00 148.50 150.00 151.50	148.50 150.00 151.50 153.00	1.50 1.50 1.50 1.50	0.08 0.10 0.17 0.17	2.6 3.4 1.7 1.6
153.90	160.63	Lapilli tuff with a few larger fragments and agglomeritic sections. Fragments are typically 0.3-1.0 cm in size, although a small percent are up to 1.5 cm, and in a short agglomeritic section they get to be up to 7.0 cm long. Matrix is light grey green and fine-grained. Fragments and matrix have a similar	37736 37737 37738 37739	153.00 154.50 156.00 157.50	154.50 156.00 157.50 159.00	1.50 1.50 1.50 1.50	0.02 0.02 0.14 0.03	0.8 0.8 0.8 1.1

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		composition and colour. Sulphides occur as veinlets, pods, stringers and fine disseminations. Interval averages 2% sulphides overall. Cut by fragments of carbonate-quartz veins. Slight quartz-sericitic alteration. 153.90-154.30: Agglomeritic section. 155.10: 4.0-6.0 carbonate-quartz stringer at 70 degrees to the C.A. Has a 1.0 cm wide parallel dark grey, fine-grained chlorite-quartz band on one side. 158.90-159.00: Carbonate stringers, 0.2-3.0 cm wide, at roughly 45-70 degrees to the C.A. 40% carbonate over 10.0 cm. 159.00-160.00: Sub millimeter-wide pyrite vein parallel to the C.A.	37740	159.00	160.63	1.63	0.07	1.1
160.63	**160.63**	**E.O.H.**						

Hole No.	WZ89.012	Northing	1+87N	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	00+11W	Grid Azim.		63.1	- 64		ACID	108.8	- 61		ACID
Location	WILBY ZONE	Elevation	1804.08	Length (m)	145.39	142.3	- 61		ACID				
Claim No.		Surv. E.		Dip-Collar	-60.30								
NTS	103 P/13	Surv. W.		Bearing	73.50								
Started	08/04/89	Logged by	B. WILSON	Drill No.	1000/1								
Finished	08/05/89	Checked by	A.D. BRAY	Foreman	M.JOHNSTON								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
SUMMARY								
0.00	1.52	**CASING**						
1.52	25.90	**ANDESITIC AGGLOMERATE (4A5t1)**						
25.90	32.35	**ANDESITIC CRYSTAL TUFF (5A5t2)**						
32.35	34.40	**BRECCIATED ANDESITIC CRYSTAL TUFF (5A5t3)**						
34.40	44.90	**ANDESITIC LAPILLI TUFF (3A5t3)**						
44.90	56.90	**ANDESITIC AGGLOMERATE (4A5t2)**						
56.90	115.05	**ANDESITIC LAPILLI TUFF (3A4t2)**						
115.05	132.60	**INTERCALATED ASH AND LAPILLI TUFF (2A5a1/3A5a1)**						
132.60	144.10	**ANDESITIC AGGLOMERATE (4F5a2)**						
144.10	145.39	**ANDESITIC ASH TUFF (3A4)**						
145.39	145.39	**E.O.H.**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**1.52**	**CASING**						
			38078	0.00	1.50	1.50	0.01	0.8
1.52	**25.90**	**ANDESITIC AGGLOMERATE (465t1)**						
		Predominantly medium grey green in colour. Fragments vary slightly in colour, with some being slightly darker than others. Fragments and matrix are generally the same colour and texture, hence fragment boundaries are not usually well defined. Fragments are generally subrounded and range from 0.2-15.0 cm or larger across. Matrix generally aphanitic to medium-grained. Small areas are chloritic. Small sections appear to contain no fragments, consisting only of andesitic ash tuff. Weak alteration consisting of sericitization and silicification occur throughout. Carbonate alteration may also occur. Some areas are more heavily altered, especially near the bottom of the unit. Several large quartz-carbonate veins occur near the top and small veins and stringers occur sporadicaly. Sulphides occur as blebs, disseminations and stringers, with an overall content 0.5% or less (0.5% pyrite and trace sphalerite).						
0.60	0.85	Quartz-carbonate vein, unknown orientation due to tiny missing pieces of core.						
1.00	1.50	Irregular quartz-chlorite pods and stringers making up 10-15% of the rock. This interval also has patches of rusty surface weathering.						
1.50	1.85	Quartz vein with minor carbonate and chlorite, at least 7.0 cm thick, at 10 degrees to the C.A.						
2.50	0.00	Rusty fracture at 55 degrees to the C.A.						
			38079	1.50	3.00	1.50	0.01	0.9
3.55	0.00	Rusty fracture, at 60 degrees to the C.A., with 2.5 cm rusty halo.						
			38080	3.00	4.50	1.50	0.01	0.6
5.00	12.00	Core does not appear to fit together well. Many pieces do not match.	38081	4.50	6.00	1.50	0.01	0.5
		7.35: Rusty fracture at 40 degrees to the C.A.	38082	6.00	7.50	1.50	0.01	0.9
		7.70: Minor sphalerite and pyrite in carbonate stringers.	38083	7.50	9.00	1.50	0.02	0.8
		7.80: Minor sphalerite and pyrite disseminated in fragments.	38084	9.00	10.50	1.50	0.01	0.4
		8.05: Minor sphalerite and pyrite in 2.0 mm carbonate stringer.	38085	10.50	12.00	1.50	0.02	1.0
		9.00: Several sub-millimeter chlorite stringers and trace chalcopyrite associated with minor pyrite.						
		10.10: Rusty fracture, at 50 degrees to the C.A., with 2.0 cm rusty halo.						
		11.00-11.60: Trace sphalerite.						
		11.90: 5.0 mm carbonate-quartz-sphalerite vein at 25 degrees to the C.A., with rusty fractures on boundary.						
12.20	0.00	1.4 cm pyrite-sphalerite vein at 30 degrees to the C.A. Vein consists of 90% pyrite and 10% sphalerite. Onyl about 70% of the vein in intact.						
			38086	12.00	13.50	1.50	0.19	2.1
13.90	0.00	Rusty fracture, at 50 degrees to the C.A., with 5.0 cm rusty halo.						
14.10	0.00	1.5 cm carbonate-quartz vein, with minor sphalerite, at 75 degrees to the C.A. Vein is partially cut off by a fracture at 50 degrees to the C.A., with slickensides on the surface. The slickensides are at 70 degrees to the C.A.						
14.70	0.00	Rusty fracture, at 15 degrees to C.A., with 1.0 cm very rusty halo.						
			38087	13.50	15.00	1.50	0.03	0.9

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
15.30	0.00	Rusty fracture, at 55 degrees to C.A., with 2.0 cm very rusty halo.						
15.50	0.00	Chlorite-coated fracture, at 60 degrees to the C.A., with slickensides at approximately 80 degrees to the C.A. This fracture appears to cut off a chlorite-quartz vein (?).						
15.55	0.00	1.0 cm quartz-carbonate vein at 45 degrees to the C.A.						
15.60	0.00	Rusty fracture, with 1.5 cm rusty halo that appears to center on a thin quartz-chlorite vein. The fracture is at 60 degrees to the C.A.						
15.75	0.00	Two parallel rusty fractures 2.0 cm apart, at 45 degrees to the C.A., with a 3.5 cm rusty halo.						
15.80	0.00	Slightly weathered (rusty) irregular pods of pyrite (15% over 5.0 cm).	38088	15.00	16.50	1.50	0.02	1.7
17.80	0.00	Rusty fracture, at 30 degrees to the C.A., with slightly rusty 1.0 cm halo.	38089	16.50	18.00	1.50	0.03	0.8
18.85	0.00	Trace sphalerite with a pyrite-carbonate stringer.	38090	18.00	19.50	1.50	0.04	0.9
			38091	19.50	21.00	1.50	0.01	0.5
21.50	0.00	Trace chalcopyrite and sphalerite.						
21.60	0.00	Rusty weathered 1.0 cm quartz vein, at 70 degrees to the C.A. One side of the vein is a rusty fracture, with a 2.0 cm rusty halo.						
21.95	22.15	Two rusty fractures, at 55 and 25 degrees to the C.A., and one very irregular rusty fracture.						
21.95	23.80	Highly altered section. Silicification and lesser sericitization obscures most primary textures. Very light grey colour, with numerous millimetre-sized stringers of pyrite and sericite forming a net-like pattern in places.	37741	21.00	22.50	1.50	0.02	1.3
23.00	25.90	4% sphalerite as veins and fine disseminations.	37742	22.50	24.00	1.50	0.16	0.6
		25.25: 4.0 mm pyrite-carbonate-sphalerite stringer at 30 degrees to the C.A. 10% sphalerite.	37743	24.00	25.50	1.50	0.13	1.4
		25.60: 5.0 mm sphalerite-carbonate-pyrite stringer at about 20 degrees to the C.A. 90% sphalerite.						
		25.80: Rusty fracture at 45 degrees to the C.A.						
25.90	**32.35**	**ANDESITIC CRYSTAL TUFF (SA5t2)**						
		20% medium green grey phenocrysts, 0.5-5.0 mm across, and 10% greasy green fragments of a similar size in an aphanitic light green grey matrix. Mixed areas of sericitic alteration with chlorite - sericite alteration. One section is very soft and noticably bleached. Patches up to 10.0 cm wide of anastomosing stringers of chlorite. Numerous rusty fractures in upper part of unit. Sulphides occur as fine disseminations, stringers and associated with carbonate pods and veins. 2% pyrite and trace sphalerite.						
26.50	27.50	Bleached zone and area with numerous rusty fractures at various angles to the C.A., but common at 55 degrees to the C.A.	37744	25.50	27.00	1.50	0.82	15.6
		26.80: 2.0-3.0 mm sphalerite-pyrite stringer, at 30 degrees to C.A., in broken core due to rusty fractures.						
		27.35: A fracture, at 55 degrees to the C.A., has slickensides nearly parallel to the C.A.						
28.00	0.00	Rusty fracture, at 45 degrees to the C.A., with a 2.0-3.0 cm wide zone with 15% anastomosing chlorite stringers.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
			37745	27.00	28.50	1.50	0.02	0.6
28.50	0.00	Irregular rusty fracture, at 20-30 degrees to the C.A., with slickensides at approximately 60 degrees to the C.A.						
28.50	28.60	Pod with 15% chlorite stringers.						
28.70	0.00	Calcite-pyrite pod with minor chlorite stringers.						
28.85	0.00	Calcite-pyrite pod with minor chlorite stringers and pods.						
29.15	0.00	5.0-6.0 mm sphalerite-carbonate-pyrite-galena stringer at 25 degrees to the C.A. 80% sphalerite, 10% pyrite and 2% galena.						
29.60	0.00	Two parallel 1.0-2.0 mm sphalerite-carbonate stringers, 2.0 cm apart, at 20 degrees to the C.A. 60% sphalerite in the stringers.						
			37746	28.50	30.00	1.50	0.16	1.7
			37747	30.00	31.50	1.50	0.02	0.5
31.80	32.00	Irregular rusty fracture nearly parallel to the C.A.						
32.35	**34.40**	**BRECCIATED ANDESITIC CRYSTAL TUFF (5A5t3)**						
		Short sections of sericitized and silicified crystal tuff, may in part be slightly agglomeritic and chlorite or chloritic-sericite breccia. Breccia fragments are predominantly sericitized, silicified crystal tuff, although a few fragments are partly chloritic. They range in size from 1.0-6.0 cm. The matrix consists of dark grey green, dominantly chlorite-rich material to a mix of chlorite and sericite. In places sericite is the dominant matrix. The breccia occupies about half of this section and its' distribution is irregular. Sulphides occur disseminated throughout, although they are a bit more abundant in the breccia, and less commonly as fragment partial replacements. 3% pyrite and 0.5% sphalerite. Cut by several carbonate veins and stringers. In places this unit has a weak fabric defined by the wispy matrix at 30 degrees to the C.A.						
32.70	0.00	0.01-10.0 mm carbonate stringers at 20 degrees to the C.A.						
			37748	31.50	33.00	1.50	0.03	1.3
33.50	0.00	5.0 mm and 12.0 mm carbonate and carbonate-chlorite stringers, at 55 degrees and 45 degrees to the C.A., respectively.						
34.10	0.00	Rusty fracture, at 30 degrees to the C.A., centered on a 2.0-10.0 mm vuggy quartz stringer. Quartz stringer is in part lined with euhedral quartz crystals.						
34.40	**44.90**	**ANDESITIC LAPILLI TUFF (3A5t3)**						
34.40	41.70	Very heterogenious, consisting of fine grained andesitic lapilli tuff (in part agglomeratic), and irregular wispy stringers of chlorite and chlorite-sericite. The chloritic stringers form anastomosing patterns around rounded and sub-rounded fragments of tuff. In a few places chlorite has formed the matrix to small areas of angular fragment breccias. Short sections of massive sulphides occur. At the top of the unit, a large silicified fragment may be a bryozoan fossil. Carbonate pods and stringers occur, and in places are associated with sphalerite. Sulphides occur as disseminations, veins, stringers, pods, fragment partial replacements and short massive sections which average 20% pyrite, 1% sphalerite, trace galena and trace chalcopyrite.	37749	33.00	34.50	1.50	0.10	0.5
			37750	34.50	36.00	1.50	1.26	27.1
			37751	36.00	37.50	1.50	0.18	5.8
			37752	37.50	39.00	1.50	0.41	4.6
			37753	39.00	40.50	1.50	0.18	1.5

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		34.50-34.70: Silicified and partially sulphide-replaced fragment, has textures that indicate it may possibly be a bryozoan fossil (?). 34.90-35.20: Massive pyrite, possibly a vein like pod of massive pyrite, at 30 degrees to the C.A. 80% pyrite. 36.05: 0.1-1.0 cm carbonate veinlet at 15 degrees to the C.A. Sphalerite tends to line the walls of the veinlet, associated with minor galens. 35% sphalerite 36.05-36.85: 10% chlorite-pyrite stringers. 5% pyrite. 37.20-37.25: Irregular carbonate pod 12.0 cm by 2.0-4.0 cm. 37.50-37.80: 60% pyrite and trace chalcopyrite. 39.55-40.00: Chlorite matrix around rounded fragments, 0.5-3.0 mm, which may be a coarser-grained section of the lapilli tuff. 10% pyrite and minor sphalerite						
41.70	44.90	Fine to medium-grained with short agglomeritic sections and a few 4.0 cm-sized volcanic fragments. Minor chloritic stringers, with pyrite in places. Short chlorite-sericite-quartz alteration. Sulphides as stringers and pods, associated with chlorite and sometimes carbonate, and as fine disseminations. 3% pyrite and trace sphalerite. 42.00: Rusty fracture at 45 degrees to the C.A. 42.10-42.30: Agglomeritic section with 10% chlorite stringers, with 5% pyrite, at 40 degrees to the C.A. Cut with minor brecciation to 11.0 cm by 3.0 cm. 42.30-43.65: 10% chlortic stringers with 4% pyrite and minor sphalerite. Some agglomerate. 43.50: 0.4-0.8 cm pyrite veinlet at 60 degrees to the C.A. 43.95-44.30: Irregular pyrite-carbonate wisps and stringers, with disseminated pyrite. 5% carbonate and 5% pyrite. 44.90: Rusty fracture, with 1.0 cm rusty halo, at 45 degrees to the C.A.	37754 37755	40.50 42.00	42.00 43.50	1.50 1.50	0.22 0.02	2.3 0.9
44.90	**56.90**	**ANDESITIC AGGLOMERATE (4A5t2)** Aphanitic to fine-grained, medium green grey matrix and 30% slightly darker, often porphyritic, subrounded to angular fragments ranging in size from 0.2-16.0 cm. In places fragment boundaries appear to grade into the matrix and are hard to determine. In a few places the core is chloritic and/or cut by chloritic stringers often with pyrite. Cut by numerous carbonate stringers and veins, some with sulphides. Weak sericite-chlorite-quartz alteration throughout. One section is slightly more silicified. Sulphides are mainly associated with chlorite stringers and carbonate stringers and veins, although some pyrite occurs as disseminations. Averages 2% pyrite with minor sphalerite Very sporadic distribution.	37756	43.50	45.00	1.50	0.01	0.9
45.20	46.80	Carbonate-quartz stringer, up to 8.0 mm, with minor pyrite and sphalerite, nearly parallel to the C.A. 45.40-45.75: 35% carbonate stringers. 45.90: Trace sphalerite in quartz-carbonate stringer.	37757	45.00	46.50	1.50	0.01	1.2
46.85	0.00	1.0 cm carbonate vein, at 50 degrees to the C.A. One vein wall is a rusty fracture with minor slickensides at 30 degrees to the C.A.						
47.20	0.00	Rusty fractures at 40 degrees to the C.A. Parallel to this is a 3.0 cm zone of carbonate and sericite stringers with minor sphalerite.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
47.20	47.35	Irregular carbonate-sphalerite (sphalerite 10%) stringer, up to 1.0 cm wide, branching off of a carbonate-sericite zone described at 47.20 metres. This section is noticably bleached and silicified.						
47.55	47.75	Two parallel carbonate stringers, with minor sphalerite, 3.0 mm and 6.0 mm wide at 30 degrees to the C.A.						
			37758	46.50	48.00	1.50	0.01	1.5
48.10	48.35	Zone with chlorite stringers at approximately 20 degrees to the C.A. Associated with it are pyrite and carbonate, 10% chlorite, 3% pyrite and 2% carbonate.						
48.45	0.00	1.8-2.2 cm carbonate vein at 20 degrees to the C.A. One vein wall is a rusty fracture with a weak 0.5 cm halo.						
48.80	49.20	Pyrtie-carbonate pod (70% pyrite), 22.0 cm by 4.0 cm and pyrite-carbonate vein (60% pyrite), 4.0 cm wide, at 35 degrees to the C.A. 20% pyrite over a 40.0 cm section. This interval is quite chloritic.						
			37759	48.00	49.50	1.50	1.23	10.1
49.50	0.00	0.4-1.0 cm pyrite-carbonate veinlet (60% pyrite) at 35 degrees to the C.A.						
50.15	0.00	Minor chlorite-carbonate-pyrite stringer.						
50.75	51.10	5% pyrite and carbonate associated with about 10% chlorite stringers and wisps at approximately 25 degrees to the C.A.	37760	49.50	51.00	1.50	0.01	1.1
51.45	51.70	Carbonate pods and stringers (20% carbonate) with minor associated pyrite (3%).						
			37761	51.00	52.50	1.50	0.01	0.9
52.50	52.65	Irregular carbonate stringer, 8.0 mm wide (20% of rock).						
52.80	0.00	1.0 cm carbonate vein at 25 degrees to the C.A.						
52.90	53.25	Interval with approximately 5% chlorite stringers and 8% carbonate stringers and wisps. 4% pyrite and minor sphalerite.						
53.30	55.00	Slightly more silicified than the surrounding rock. 53.30-53.40: 4.0 cm wide zone, with 25% parallel chlorite-sericite stringers at 35 degrees to the C.A. One side of zone is a very rusty fracture. This may be a small shear zone. 53.40-53.50: 4.0 cm wide carbonate matrix, silicified volcanic fragment breccia parallel to chlorite-sericite stringer zone. 53.50-53.90: Very silicified zone with fine disseminations of sphalerite (less than 0.5%), and discontinous chlorite wisps (5%), and minor carbonate pods, which resemble a breccia in places (10%). 53.90: Very rusty fracture at 20 degrees to the C.A. 54.10: Two parallel carbonate-sphalerite-pyrite stringers, 1.0-2.0 mm, at 50 degrees to the C.A. Numerous tiny wisps of carbonate-sphalerite in the vicinity. Trace sphalerite overall.	37762	52.50	54.00	1.50	0.02	2.0
55.35	0.00	Rusty fracture at 30 degrees to the C.A.						
			37763	54.00	55.50	1.50	0.01	1.1
56.05	56.20	Soft weathered rusty and yellow brown section, cut by two parallel fracture, 5.0 cm apart, at 55 degrees to the C.A. One fracture has a several millimetre thick layer of fine earth material in it.						
56.70	56.85	5.0 cm wide zone of earthy rubble surrounded by rusty, weathered fragments of core. Bounded on both sides by rusty fractures at about 25 degrees to the C.A. (fault?).						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
56.90	**115.05**	**ANDESITIC LAPILLI TUFF (3641t2)**						
		Medium to dark green grey fragments, some of which are porphyritic, in a light to medium grey green, aphanitic to medium-grained andesitic matrix. Typically fragments range from 0.2-1.5 cm, but a few fragments are as large as 6.0 cm. Short sections of crystal tuff and short agglomeritic sections. Fragments generally constitute about 30-40% of the rock. In general, the unit is slightly silicified and possibly carbonitized. Short chloritic sections occur. Small areas are more altered than the rest. Cut by numerous carbonate and carbonate-quartz veins and stringers. Sulphides occur as disseminations and associated with carbonate in veins and stringers. 0.5% pyrite and trace sphalerite.	37764	55.50	57.00	1.50	0.01	1.3
57.00	0.00	5.0 cm wide section, rich in chlorite stringers (30%), with 15% pyrite over 5.0 cm.						
57.00	60.60	Slightly more altered than the rest of the unit. Has numerous tiny carbonate stringers, many of which are subparallel to the C.A.	37765	57.00	58.50	1.50	0.01	1.8
		58.20-58.90: Several pods and 1.0-3.0 mm-sized stringers of quartz associated with 2% pyrite and 0.5% sphalerite. One 3.0 mm pyrite-quartz stringer and parallel 2.5 cm wide heavily silicified zone trending at 40 degrees to the C.A.	37766	58.50	60.00	1.50	0.02	1.6
		59.40: 1.0-1.2 cm carbonate vein at 45 degrees to the C.A.						
		59.55-59.85: Slightly rusty, weathered, with two manganese-stained fractures at 70 degrees to the C.A., and other dendritic manganese staining.						
		59.85-60.40: Badly broken core.						
		60.40-61.60: Very porous yellow to yellow brown weathered and badly broken core with a fracture at 20 degrees to C.A.						
61.40	61.60	Four irregular rusty fractures.	37767	60.00	61.50	1.50	0.01	1.1
62.50	62.70	Three subparallel carbonate-pyrite (plus or minus quartz) stringers at 40 degrees to the C.A. Stringers average 0.5, 1.0 and 0.8 cm in width.						
62.90	63.05	Two parallel carbonate-chlorite veinlets, 0.5 cm and 1.2 cm, at 60 degrees to the C.A. Each veinlet has slickensides on its wall, nearly perpendicular to to the C.A.	37768	61.50	63.00	1.50	0.01	1.1
64.40	64.50	Two subparallel rusty fractures at 45 degrees to the C.A.	37769	63.00	64.50	1.50	0.01	0.4
			37770	64.50	66.00	1.50	0.01	0.3
67.15	0.00	5.0-6.0 mm grey quartz-carbonate veinlet at 50 degrees to the C.A.						
			37771	66.00	67.50	1.50	0.01	0.6
68.70	0.00	5.0-7.0 mm carbonate veinlet at 25 degrees to the C.A.						
68.80	0.00	Fracture, at 40 degrees to the C.A., with slikensides at approximately 40 degrees to the C.A.						
			37772	67.50	69.00	1.50	0.02	0.8
			37773	69.00	70.50	1.50	0.01	0.5
70.55	70.75	Very irregular carbonate stringers , some at 20 degrees to C.A., associated with minor pyrite and sericite.						
70.80	0.00	Several discontinuous sub millimeter-wide chlorite stringers at 30 degrees to the C.A.						
71.00	71.50	Crystal tuff horizon.						
		71.40: 5.0 mm carbonate veinlet, lined with sub millimeter thick bands of pyrite on each wall, at 20 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
71.60	72.20	Slightly silicified zone with several irregular chlorite wisps at 25-45 degrees to the C.A. Numerous sub millimetre wide pyrite -carbonate stringers mostly at 45 degrees to the C.A. 2% pyrite overall. 72.00-72.15: Zone with numerous 2.0-3.0 mm quartz stringers, some with carbonate and minor pyrite. 20% quartz stringers.	37774	70.50	72.00	1.50	0.01	0.9
72.50	72.70	10.0 cm wide band of carbonate with minor chlorite and wallrock, and 4.0 cm wide zone of banded chlorite and carrbonate and sericitized wallrock, all at 45 degrees to the C.A. Fracture at the end of this zone has slickensides at 50 degrees to the C.A. Beyond this zone for 10.0-15.0 cm on each side are numerous thin chlorite stringers.						
72.90	73.00	Carbonate stringers make up 30% of the core.	37775	72.00	73.50	1.50	0.02	0.3
74.10	74.25	Carbonate vein, with minor wallrock inclusion in centre, 8.0 cm wide at 60 degrees to the C.A.	37776	73.50	75.00	1.50	0.01	0.3
75.30	76.70	Crystal tuff horizon.	37777	75.00	76.50	1.50	0.02	0.4
77.00	78.00	Crystal tuff horizon. 77.60-78.15: 2.0-4.0 mm carbonate - pyrite stringer nearly parallel to the C.A. Contains discontinuous patches of pyrite, up to 1.0 cm wide in places, proximal to the vein.	37778	76.50	78.00	1.50	0.01	1.0
78.15	78.20	4.0 cm patches of pyrite-carbonate-quartz-sphalerite vein at 30 degrees to the C.A. 75% pyrite and 5% sphalerite.						
78.20	82.65	4.0 mm quartz-carbonate stringer, with minor sphalerite, nearly parallel to the C.A. 78.65: Fracture, at 20 degrees to the C.A., with slickensides at 75 degrees to the C.A. 78.70-79.00: 10% chlorite wisps and stringers. 79.75: Two carbonate stringers, 3.0 mm and 5.0 mm, at 70 degrees to C.A. A third stringer, 1.0-3.0 mm, at 20 degrees to the C.A. 80.15: 0.2-1.2 cm carbonate veinlet at 15 degrees to the C.A. 81.15-81.25: Pyrite-chlorite-carbonate stringers and pods with 40% pyrite over 10.0 cm. 81.30: 1.5 cm carbonate vein at 65 degrees to the C.A.	37779	78.00	79.50	1.50	0.19	4.4
			37780	79.50	81.00	1.50	0.01	0.5
			37781	81.00	82.50	1.50	0.54	15.0
83.05	0.00	2.5 cm wide carbonate vein at 65 degrees to the C.A.						
83.60	83.70	Minor blebs of sphalerite.	37782	82.50	84.00	1.50	0.02	1.0
84.95	85.05	Minor sphalerite associated with pyrite in a carbonate pod.						
85.25	0.00	Fracture, at 35 degrees to the C.A., with slickensides nearly parallel to the C.A.	37783	84.00	85.50	1.50	0.02	1.1
86.05	86.70	Zone with several chlorite wisps (1.0-5.0 mm), numerous discontinous carbonate patches and veins, and numerous quartz veins, which in the central portion form a small breccia on one surface of the core. Minor sphalerite and pyrite.	37784	85.50	87.00	1.50	0.02	0.4
87.50	0.00	1.4-1.8 cm carbonate vein at 45 degrees to C.A. One wall is a fracture with slickensides at 35 degrees to the C.A.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
87.50	87.80	Irregular quartz-carbonate vein, with minor sphalerite, nearly parallel to the C.A.						
88.05	0.00	Quartz-wallrock breccia stringers, 1.2-2.0 cm, with a pod of carbonate 1.0 cm by 2.0 cm, at 25 degrees to the C.A.						
			37785	87.00	88.50	1.50	0.01	0.7
			37786	88.50	90.00	1.50	0.01	0.7
91.05	0.00	Carbonate stringers, up to 5.0 mm, parallel chlorite wisps and minor pyrite at 15 degrees to the C.A.						
			37787	90.00	91.50	1.50	0.01	1.0
92.10	0.00	2.3-3.5 cm carbonate-quartz vein at 45-55 degrees to the C.A.						
92.30	0.00	Minor sphalerite.						
92.75	0.00	1.0-2.0 carbonate stringer with trace sphalerite.						
			37788	91.50	93.00	1.50	0.01	0.8
93.25	0.00	2.0 cm wide zone with chlorite stringers at 15 degrees to the C.A.						
94.30	94.70	Zone with 20% chlorite stringers which form a breccia-like pattern. Minor pyrite and carbonate associated with chlorite. 2-3% pyrite.	37789	93.00	94.50	1.50	0.01	0.9
94.70	94.90	Quartz-carbonate stringers, up to 7.0 mm, nearly parallel to the C.A.						
95.50	0.00	3.0-4.0 mm quartz stringer, at 45 degrees to the C.A., with rusty cavities parallel to the stringer, with millimetre euhedral quartz crystals. Probably quartz-carbonate pods, but calcite has weathered out. Rusty fracture forms one vein wall.						
			37790	94.50	96.00	1.50	0.02	0.5
97.20	98.00	Intercalated lapilli and crystal tuff.	37791	96.00	97.50	1.50	0.01	1.0
98.10	99.00	7% chlorite stringers, many of which are at 20-80 degrees to the C.A. 8.0 mm carbonate-chlorite stringer at 40 degrees to the C.A.	37792	97.50	99.00	1.50	0.01	0.9
99.70	100.65	5% irregular chlorite stringers.	37793	99.00	100.50	1.50	0.01	0.9
100.80	0.00	1.5 cm quartz-carbonate-wallrock vein at 25 degrees to the C.A.						
			37794	100.50	102.00	1.50	0.02	1.4
102.55	102.85	Pyrite-quartz-carbonate-chlorite zone approximately 15.0 cm wide at 20 degrees to the C.A. 60% pyrite.						
			37795	102.00	103.50	1.50	3.70	76.6
103.70	104.10	Agglomeritic with fragments up to 10.0 cm across.						
104.00	105.60	Agglomeritic with fragments up to 14.0 cm across.	37796	103.50	105.00	1.50	0.01	1.6
			37797	105.00	106.50	1.50	0.01	0.7
106.80	107.10	Three parallel quartz-chlorite veins at 60 degrees to the C.A., two of which have slickensides at approximately 30 degrees to the C.A. A vein at 107.00 metres, at 50 degrees to the C.A., truncates a 4.0 cm wide zone of 1.0-2.0 mm carbonate stringers.						
107.10	0.00	8.0 mm carbonate stringer at 50 degrees to the C.A.						
107.45	108.30	Ten or more subparallel carbonate-quartz veins, ranging from 0.1-4.0 cm, at 55-70 degrees to the C.A.. Approximately 15% veins in this interval.	37798	106.50	108.00	1.50	0.02	0.1
108.45	108.65	Interval with high content of quartz stringers and pods. Part of it appears like a breccia. 35% quartz stringers and 10% carbonate pods. 108.50-110.00: Slightly higher degree of sericitization and silicification than he surrounding rock. Numerous quartz-carbonate stringers and veins.						
			37799	108.00	109.50	1.50	0.01	0.3
109.60	109.90	Zone with approximately 25% carbonate-quartz stringers, many of which trend at						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		35-40 degrees to the C.A. Associated with, in places, in pods and stringers of chlorite.						
			37800	109.50	111.00	1.50	0.02	0.5
			37801	111.00	112.50	1.50	0.01	0.3
			37802	112.50	114.00	1.50	0.01	0.1
115.05	**132.60**	**INTERCALATED ASH AND LAPILLI TUFF (2A5a1/3A5a1)**						
		Very heterogenious unit consisting of sections of aphanitic to coarse-grained ash tuff, lapilli tuff with variable lapilli content and agglomerate. The agglomerate consists of tightly packed fragments 0.2-4.0 cm in a very chloritic matrix. This may be more of a lapilli tuff than an agglomerate. Weak chlorite -sericite alteration overall, with short sections that are very chloritic, siliceous or carbonate altered. Sulphides occur as fine disseminations and associated with quartz-carbonate pods and stringers. The interval averages 0.5% pyrite.						
115.05	116.70	Fine-grained ash tuff. 115.25: 1.0-1.2 cm carbonate-quartz vein at 20 degrees to the C.A. 115.30-116.70: Abundant fine-grained quartz-carbonate stringers, up to 1.0 cm, associated with pyrite. 3% pyrite and 30% quartz-carbonate stringers in a silicified ash tuff.	37803	114.00	115.50	1.50	0.02	0.2
116.70	119.25	Lapilli tuff horizon. 116.70-116.90: Chloritic matrix. 116.90-117.20: 5.0 mm quartz-carbonate stringer nearly parallel to the C.A. 117.75-117.90: About 10% rusty cavities in core, probably weathered out carbonate pods in the vicinity of rusty fractures, three at 80 degrees to the C.A., and one at 50 degrees to the C.A. One fracture appears to be developed on a porous rusty stringer- probably a 3.0 mm quartz-carbonate-pyrite stringer. 117.95-119.80: Carbonate-quartz-silicified wallrock fragment breccia vein of unknown maximun thickness, but probably 15.0-30.0 cm maximun width. Overall trend is nearly parallel to the quartz vein. 3% pyrite.	37804	115.50	117.00	1.50	0.02	1.9
			37805	117.00	118.50	1.50	0.04	1.6
119.30	120.50	Fine-grained ash tuff. 119.80: 2.5 cm quartz-chlorite-carbonate vein at 65 degrees to the C.A.	37806	118.50	120.00	1.50	0.02	1.7
120.50	124.10	Agglomerate with chloritic matrix. 123.90-124.05: Two rusty, very irregular fractures with light greenish brown halos, 2.0-3.5 cm wide. Halos are fringed with 1.0-2.0 mm wide bleached zones.	37807	120.00	121.50	1.50	0.01	0.8
			37808	121.50	123.00	1.50	0.01	0.1
124.10	131.00	Dominantly fine to medium-grained chloritic ash tuff, with short sections of lapilli tuff. Some sections have very dispersed lapilli fragments. 124.15-126.15: Eleven irregular rusty fractures at 45-60 degrees to the C.A. 125.45-125.70: 8.0-9.0 cm carbonate-wallrock breccia vein at 55-65 degrees to the C.A. Bounded by slight rusty fractures with slickensides at 70 degrees to the C.A. On one side is a 12.0 cm zone of intense sericitization with chlorite stringers. Planar fabric in sericite is parallel to the breccia vein. 127.60: Slight 2.5 cm bleached zone around a rusty fracture at 40 degrees to the C.A. 129.75-130.30: Four very rusty fractures, at 30-60 degrees to C.A., three of which have discoloured halos 1.0-10.0 cm wide. 130.30: Rusty cavity, 5.0 cm by 2.0 cm.	37809	123.00	124.50	1.50	0.01	0.4
			37810	124.50	126.00	1.50	0.01	0.5
			37811	126.00	127.50	1.50	0.02	0.2
			37812	127.50	129.00	1.50	0.01	0.4
			37813	129.00	130.50	1.50	0.01	0.3

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		130.35-130.80: Zone with 10% irregular millimeter-sized chlorite sringers. Two very rusty fractures, 3.5 cm apart and subparallel, at 50 and 55 degrees to the C.A. One fracture has a 3.0 cm wide porous bleached halo. The other has a rusty porous cavity zone on one side, up to 1.0 cm wide.						
131.00	132.50	Very chloritic lapilli tuff or agglomerate. Hard to determine fragment content or size due to the high content of chloritic stringers (3%). 3% pyrite as blebs and pods.	37814	130.50	132.00	1.50	0.01	0.7
132.60	**144.10**	**ANDESITIC AGGLOMERATE (4F5a2)**						
		Fragment size and percentage hard to determine because of sericite alteration in the upper half and chlorite alteration in the lower half. The fragment boundaries seem to grade into the matrix. Fragments appear to range in size from 0.2-9.0 cm and constitute 30-40% of rock. Fragments are similar in composition to the surrounding matrix. Cut by numerous carbonate veins and stringers. Pyrite occurs as disseminations and blebs and is often associated with chlorite and carbonate. The interval averages 2% pyrite.						
132.60	137.35	Dominantly light green grey and slight sericitic alteration.	37815	132.00	133.50	1.50	0.02	0.7
		133.90: 0.3-2.5 cm carbonate veinlet/vein at 45 degrees to the C.A. The walls, in part, are lined with pyrite (3%).	37816	133.50	135.00	1.50	0.01	0.3
			37817	135.00	136.50	1.50	0.02	2.0
		134.15: Irregular carbonate veinlet, up to 1.5 cm wide, at approximately 25 degrees to the C.A.						
		136.60: Carbonate-pyrite (minor chlorite) stringer zone, 2.0-2.2 cm wide, at 50 degrees to the C.A. 30% pyrite.						
137.35	0.00	Several chloritic stringers at 45 degrees to the C.A.						
137.35	144.10	Chloritic agglomerate horizon.	37818	136.50	138.00	1.50	0.22	16.5
		138.30-138.45: 12.0-15.0 cm carbonate vein at 60 degrees to the C.A. Core is broken here, thus the vein width is an estimate.	37819	138.00	139.50	1.50	0.01	1.2
			37820	139.50	141.00	1.50	0.01	0.9
		139.60: 1.0 cm carbonate vein at 60 degrees to the C.A.	37821	141.00	142.50	1.50	0.03	1.3
		142.70-143.45: Eleven subparallel carbonate and carbonate-quartz veins and stringers, ranging from 0.1-2.0 cm, at 40-45 degrees to the C.A. Veins constitute 10% of this interval.	37822	142.50	144.00	1.50	0.02	1.0
		143.50-143.60: Carbonate-wallrock fragment breccia vein, 8.0 cm wide. Vein walls at 40 and 70 degrees to the C.A.						
		143.70: 5.0-8.0 mm carbonate veinlet at 35 degrees to the C.A.						
		143.80: 6.0 mm carbonate veinlet at 65 degrees to the C.A.						
144.10	0.00	5.0-6.0 carbonate veinlet at 45 degrees to the C.A.						
144.10	**145.39**	**ANDESITIC ASH TUFF (3A4)**						
		Coarse-grained andesitic ash tuff with minor lapilli-sized fragments in places. Slight chlorite alteration.						
			37823	144.00	145.39	1.39	0.01	1.0
145.39	**145.39**	**E.O.H.**						

Hole No.	EZ89.013	Northing	0+32S	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	0+08W	Grid Azim.		59.1	- 47		ACID	107.8	- 50		ACID
Location	EDGE ZONE	Elevation	1564.80	Length (m)	107.90								
Claim No.	DEL	Surv. E.		Dip-Collar	-47.20								
NTS	103 P/13	Surv. W.		Bearing	31.05								
Started	08/06/89	Logged by	A.D. BRAY	Drill No.	1000/1								
Finished	08/06/89	Checked by	A.D. BRAY	Foreman	M.JOHNSTON								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
SUMMARY								
0.00	3.05	CASING						
3.05	8.60	MINERALIZED ZONE (2G4d5)						
8.60	10.29	ANDESITIC ASH TUFF (2G4d2)						
10.29	12.40	FZ (CB)						
12.40	14.58	ANDESITIC ASH TUFF (2G4d2)						
14.58	15.35	FZ (CB)						
15.35	20.30	ANDESITIC ASH TUFF (2G4d2)						
20.30	24.60	MINERALIZED ZONE (2CBd20)						
24.60	30.74	ANDESITIC ASH TUFF (2G4d2)						
30.74	31.64	FZ (2C7a1)						
31.64	54.00	ANDESITIC ASH TUFF (2F4d2)						
54.00	56.46	MINERALIZED ZONE (3F5h30)						
56.46	58.75	ANDESTITIC LAPILLI TUFF (3F4a1)						
58.75	62.65	MINERALIZED ZONE (3F4d15)						
62.65	73.60	INTERCALATED ANDESITIC ASH AND LAPILLI TUFF (2F4a1/3F4a1)						
73.60	78.50	FZ (2CB)						
78.50	82.45	ANDESITIC LAPILLI TUFF (3F5a1)						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
82.45	107.90	INTERCALATED ANDESITIC ASH AND LAPILLI TUFF (2F4a1/3F4a1)						
107.90	107.90	E.O.H.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	**3.05**	**CASING**						
3.05	**8.60**	**MINERALIZED ZONE (264d5)**						
		Aphanitic grey to light greasy green grey groundmass with infrequent 1.0-3.0 mm subrounded and sericitized greasy-green lapilli. 10% dark chlorite as fine fine stringers, wisps and clots, locally up to 15% over short intervals. 1% carbonate-quartz as veinlets, clots and occasional stringers. 7% weak, rusty fracturing with carbonate and iron-rich carbonate alteration halos of varying widths and at varying angles to the C.A. 5% pyrite as fine disseminated stringers (in association with fine chloritic stringers), as clots of fine disseminations and finely disseminations. Locally up to 10% when associated with increase in chloritic material. Occasional 1.0-3.0 mm subhedral blebs. Patchy weak-moderately silicification.						
3.05	3.88	12.0 cm of ground core. Core rubbly, fractured with moderately pervasive carbonate and iron-carbonate alteration halo. Fracturing subparallel to 75 degrees to the C.A.						
			37651	3.05	4.55	1.50	0.04	0.8
4.65	4.90	10% pyrite, finely disseminated and as clots composed of fine disseminations in association with 10% chloritic wisps and clots.						
4.90	5.25	Two rusty fractures, with occasional vug up to 5.0 mm, at 45 and 70 degrees to the C.A., with moderately pervasive carbonate and iron-rich carbonate alteration halos.						
5.42	5.45	3.0 cm zone of carbonate-quartz and chlorite-rich stringers at 75 degrees to the C.A. 5% vugs up to 1.0 cm.						
			37652	4.55	6.05	1.50	0.02	1.5
6.30	6.59	Rusty fracture, subparallel to the C.A., with weak carbonate and iron-rich carbonate alteration halo.						
6.59	6.76	7% pyrite as finely disseminated stringers (no consistant angle to the C.A.) and finely disseminated clots, in association with 10% chloritic wisps, clots and stringers.						
7.00	8.00	20.0 cm of ground core.	37653	6.05	7.55	1.50	0.01	1.0
7.53	7.80	10% pyrite as fine disseminations, clots of fine disseminations, occasional fine disseminated stringers, and scattered 1.0-3.0 blebs, in association with 15% chloritic wisps, clots and stringers, and 2% carbonate-quartz clots. Weak silicification in this interval.						
7.88	8.05	Two rusty fractures, at 15 degrees to the C.A., with weakly pervasive carbonate and iron-rich carbonate alteration halos.						
8.23	8.33	30% carbonate-quartz as irregular shaped anastomosing clots and discontinuous stringers associated with 7% discontinuous chloritic stringers, clots and wisps Lower contact gradational.						
8.60	**10.29**	**ANDESITIC ASH TUFF (264d2)**						
		Description as per 3.05-8.60 metres with the exception that the pyrite content averages 2%, locally up to 10% when associated with abundant chloritic material						
			37654	7.55	9.05	1.50	0.01	0.7
9.33	9.43	Rusty fracture, at 25 degrees to the C.A., with a 2.0 mm carbonate and iron-						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		rich carbonate alteration halo on either side of the fracture.						
9.58	9.73	10% pyrite finely disseminated, as finely disseminated stringers and clots of fine disseminations, associated with 60% anastomosing stringers and clots of chlorite, 10% carbonate-quartz irregularly shaped clots and discontinuous veinlets. Lower contact sharp at 75 degrees to the C.A.						
10.29	**12.40**	**FZ (CB)**						
		Numerous rusty fractures, angle to the C.A. questionable as core is quite rubbly (interval contains 70% rubble). Pervasive carbonate and iron-rich carbonate alteration halos associated with fracturing. Numerous dark black manganese/chloritic stringers within alteration halos. Occasional vug up to 3.5 cm in length, 1.0 cm in width. 2% pyrite (percentage obscured due to pervasive alteration) as subhedral 1.0-3.0 mm blebs, fine disseminations and rare 1.0 mm stringer of subhedral blebs.						
			37655	9.05	10.55	1.50	0.18	2.0
			37656	10.55	12.05	1.50	0.02	1.2
12.08	0.00	1.0 mm stringer of subhedral pyrite blebs at 45 degrees to the C.A. Lower contact gradational, marked by decrease in pervasity of the alteration.						
12.40	**14.58**	**ANDESITIC ASH TUFF (2B4d2)**						
		Description as per 3.05-8.60 metres with the exception that the pyrite content averages 2%.						
12.42	12.55	Two 2.0 mm pyrite stringers (subhedral blebs) at 45 degrees to the C.A., associated with fractured alteration halo.						
12.94	0.00	2.0 mm pyrite stringer (replacing a carbonate-quartz stringer) at 45 degrees to the C.A.						
			37657	12.05	13.55	1.50	0.01	1.0
13.56	13.65	10% carbonate-quartz veinlets, at 45 degrees to C.A., and 10% anastomosing chlorite stringers partially replaced by fine disseminated pyrite.						
14.15	14.35	10% anastomosing stringers of chlorite, occasionally partially replaced by fine disseminated pyrite. Lower contact sharp at 70 degrees to the C.A.						
14.58	**15.35**	**FZ (CB)**						
		Moderately rusty fractures (angles to C.A. obscured) with moderately pervasive carbonate and iron-rich carbonate alteration halos. Scattered fine black manganese/ chloritic stringers. 2% pyrite finely disseminated , as 1.0-3.0 mm blebs and as finely disseminated discontinuous stringers.						
14.80	15.00	20% pyrite blebs, up to 1.0 cm, associated with very rusty, occasionally vuggy, fractures and 15% carbonate-quartz clots.						
			37658	13.55	15.05	1.50	0.02	1.6
15.35	**20.30**	**ANDESITIC ASH TUFF (2B4d2)**						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		Description as per 3.05-8.60 metres with the exception that the pyrite content averages 2%, locally up to 5%.						
15.36	16.05	5% pyrite associated with 15% chloritic material and 3% carbonate-quartz.						
16.05	18.05	Pervasive sericitic alteration.	37659	15.05	16.55	1.50	0.01	2.3
		17.58-17.65: Two rusty fractures, at 45 and 65 degrees to the C.A., with weak carbonate and iron-rich carbonate alteration halos.	37660	16.55	18.05	1.50	0.01	1.0
18.78	18.85	10% pyrite, subhedral blebs and replacing carbonate-quartz clots, associated with weakly rusty fracture at 18.82 metres at 45 degrees to the C.A.						
19.25	19.35	Rusty fracture, subparallel to the C.A., with carbonate and iron-rich carbonate alteration halo.						
		Lower contact sharp at 15 degrees to the C.A., marked by a carbonate-quartz veinlet.						
			37661	18.05	19.55	1.50	0.01	0.8
20.30	**24.60**	**MINERALIZED ZONE (2CBd20)**						
		Aphanitic milky green grey with 20% chloritic material as wispy clots and occasional stringers. Carbonatization pervasive as groundmass material and scattered veinlets. 20% pervasively sericitic and altered subrounded to sub-angular lapilli, up to 2.0 cm, and 1-2% subrounded sericitic 1.0-3.0 mm lapilli 20% pyrite as anastomosing clots composed of fine disseminations and 1.0-3.0 mm subhedral blebs and clots of fine disseminations.						
			37662	19.55	21.05	1.50	0.03	0.8
22.12	24.27	Fractured, broken, pervasively rusty with numerous vugs up to 3.0 cm. Pyrite pyrite content obscured by pervasively weathered nature of the core.	37663	21.05	22.55	1.50	0.21	1.0
		Lower contact gradational.	37664	22.55	24.05	1.50	0.19	0.4
24.60	**30.74**	**ANDESITIC ASH TUFF (2B4d2)**						
		Description as per 3.05-8.60 metres with the exception that the pyrite content averages 2%.						
24.60	25.13	15% chloritic materaial.						
25.13	25.37	Weak to moderately silicified.						
		25.34: 4.0 mm carbonate-quartz stringer at 45 degrees to the C.A.						
			37665	24.05	25.55	1.50	0.02	1.6
25.88	26.53	Fractured, rusty and broken core.						
			37666	25.55	27.05	1.50	0.02	1.6
27.24	27.41	10% vugs and weakly rusted.						
29.00	29.73	Less than 1% pyrite.	37667	27.05	29.05	2.00	0.02	1.9
29.73	30.74	Crystal tuff horizon with 15% lath to subangular shaped biotite (?) phenocrysts up to 6.0 mm in size. Trace finely disseminated pyrite.						
		30.33-30.74: Broken core.						
30.74	**31.64**	**FZ (2C7a1)**						
		Fractured subparallel to the C.A. Rusty with moderately pervasive carbonate and iron-rich carbonate alteration halos. Occasional scattered vug. Moderate						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		silicification. Where alteration halo is not pervasive, core is sericitized. Anastomosing and discontinuous stringers of carbonate-quartz. 1% pyrite as 1.0 -3.0 mm subhedral blebs and finely disseminated. Lower contact marked by the termination of fractures and up to 3% pyrite in the 10.0 cm in the interval.						
31.64	54.00	**ANDESITIC ASH TUFF (2F4d2)**						
		Description as per 3.05-8.60 metres with the exception that the pyrite content averages 2%, locally up to 10% when associated with an increase in chloritic material.						
32.30	32.60	3.0-5.0 mm wide undulating carbonate-quartz veinlet parallel to the C.A.						
32.70	33.20	10% pyrite associated with 25% dark chloritic material.	37668	31.45	32.95	1.50	0.01	1.8
33.91	34.10	Rusty, broken core.						
			37669	32.95	34.45	1.50	0.01	1.1
35.66	37.07	Moderately silicified, associated with 10% weakly rusted fractures at 15 degrees to C.A., with weak carbonate and iron-rich carbonate alteration halos. Rare vug.	37670	34.45	35.95	1.50	0.04	1.2
			37671	35.95	37.45	1.50	0.02	1.1
38.25	39.35	Decrease in chloritic material to 5%.	37672	37.45	38.95	1.50	0.08	0.8
			37673	38.95	40.45	1.50	0.02	0.6
			37674	40.45	41.95	1.50	0.01	1.3
42.45	54.00	Banded ash tuff horizon. Chloritic bands, up to 2.0 cm, at 80-90 degrees to the C.A. 0.5% finely disseminated pyrite. 42.45- 44.26: 10% rusty fractures, at 45-75 degrees to the C.A., with carbonate and iron-rich carbonate alteration halos up to 15.0 cm bordering fractures. 45.10-45.11: Discontinuous, irregular band of finely disseminated pyrite. 45.80-46.00: 15% carbonate-quartz as anastomosing clots and discontinuous veins. 48.95-49.10: Two rusty fractures, at 40 and 45 degrees to C.A., with weak carbonate and iron-rich carbonate alteration halos. 49.18-49.35: 10% carbonate-quartz irregularly shaped clots associated with 10% anastomosing stringers of chlorite and 50% fine disseminated pyrite. 50.00-50.55: Five 1.0-4.0 mm carbonate-quartz stringers at 75-80 degrees to the C.A. 50.55-50.59: Pyrite-rich band, 90% finely disseminated, with one elongated 2.0 cm bleb of sphalerite. 50.59-50.67: Rusty fractures at 30 degrees to the C.A. 51.00-51.37: 3% fine disseminated pyrite with two 3.0 mm carbonate-quartz veinlets at 80 degrees to the C.A. 52.57-54.00: 10% rusty fractures, at 35-65 degrees to the C.A., with carbonate and iron-rich carbonate alteration halos of varying widths. 53.90-54.00: Vuggy and very rusty core.	37675	41.95	42.95	1.00	0.19	1.2

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
54.00	**56.46**	**MINERALIZED ZONE (3F5h30)**						
		30% semi-massive pyrite, predominantly subhedral and euhedral, up to 5.0 mm, and fine disseminations. Pyrite in a groundmass of sericitized, carbonatized, subrounded to subangular fragments of varying size, up to 4.0 cm, with abundant wisps and stringers of chlorite. Carbonate-quartz fragments form 35% of the core and sericitized fragments the remaining 35%. Locally very rusty and vuggy.						
54.00	54.32	1% disseminated pyrite.						
54.08	54.09	Carbonate-quartz vein at 40 degrees to the C.A.						
54.49	0.00	Carbonate-quartz veinlet at 85 degrees to the C.A.						
54.75	54.78	Deeply rusted and vuggy.						
54.91	55.00	Irregular dark black banded mineral (bands up to 2.0 cm), very hard (tourmaline?).						
55.40	55.50	Deeply rusted and vuggy.	37676	54.00	55.50	1.50	3.25	1.0
55.78	58.02	Deeply rusted and vuggy.	37677	55.50	57.00	1.50	1.60	2.0
		Lower contact gradational, marked by a decrease in the pyrite content.						
56.46	**58.75**	**ANDESITIC LAPILLI TUFF (3F4a1)**						
		Intervals where groundmass is aphanitic, light greasy green grey with dark chlorite stringers defining weak fabric (bedding), intermixed with intervals containing various sized (up to 5.0 cm) subrounded lapilli (sericitized, chlorite rich) which themselves may contain smaller, 2.0-3.0 mm lapilli. Carbonate throughout and as fine carbonate-quartz stringers. Less than 1% fine disseminated pyrite.						
		Lower contact gradational, marked by increase in pyrite content and carbonate-quartz stringers.						
			37678	57.00	58.50	1.50	0.02	0.5
58.75	**62.65**	**MINERALIZED ZONE (3F4d15)**						
		15% semi-massive pyrite, subhedral and euhedral, up to 5.0 mm, and fine disseminations. 35% carbonate-quartz as wisps, discontinuous stringers, sub-rounded to subangular fragments (up to 2.0 cm) intermixed with 55% sericitized/ chlorite-rich groundmass.						
			37679	58.50	60.00	1.50	1.15	0.4
60.00	62.65	0.50 metres of lost core.	37680	60.00	61.50	1.50	1.31	1.7
		59.99-60.32: Banded interval. Chlorite-rich banding, up to 1.5 cm, defines relict bedding, with bands at 85 degrees to C.A. Less than 4% finely disseminated pyrite.						
		60.32-60.65: 10% very rusty, vuggy fractured surfaces.						
		61.50-61.65: Very vuggy and rusty core.						
		62.18-62.65: Scattered epidote alteration.						
		Lower contact marked by rapid decrease in pyrite content to 1%.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
62.65	**73.60**	**INTERCALATED ANDESITIC ASH AND LAPILLI TUFF (2F4a1/3F4a1)**						
		Intervals of aphanitic grey to light greasy green grey, with chlorite-rich bands and wisps (up to 3.5 cm) defining weak planar fabric (relic bedding), intermixed with intervals containing predominantly subrounded lapilli fragments up to 3.0 cm. Lapilli may be of carbonate-quartz, chloritic, sericitic or a combination of in composition Banded intervals may contain lapilli-sized fragments, but the percentage is considerable lower (less than 5%) than the lapilli tuff intervals. 1% pyrite finely disseminated often replacing chloritic wisps and small (2.0-3.0 mm) lapilli fragments.						
62.65	64.00	Banded tuff with 2% pyrite disseminations from 62.36-62.63 metres.	37681	61.50	63.00	1.50	0.18	0.9
64.00	69.23	Lapilli tuff interval with rusty fracture subparallel to the C.A., with carbonate and iron-rich carbonate alteration halo at 68.66-68.94 metres.						
69.23	71.69	Banded tuff interval with 1.0 cm carbonate-quartz-pyrite vein at 69.47 metres at 75 degrees to the C.A., and a quartz-carbonate vein at 69.89 metres at 85 degrees to the C.A. Rusty fractured surface subparallel to the C.A. at 70.40-70.56 metres, and a carbonate-quartz vein at 45 degrees to the C.A. between 70.95 -71.05 metres.						
71.69	73.60	Lapilli tuff interval, with 1.0 cm carbonate-quartz vein at 73.35 metres at 80 degrees to the C.A.						
73.60	**78.50**	**FZ (2CB)**						
		Moderately rusty with pervasive carbonate and iron-rich carbonate alteration throughout. 75% of interval composed of rubble and/or broken core. Fracturing appears to be at a low angle (subparallel) to the C.A. Dark chloritic wisps scattered throughout faulted zone. Less than 1% pyrite finely disseminated with rare fine disseminated discontinuous stringers. Four smaller intervals (less than 15.0 cm) where alteration hasn't been pervasive, the host rock appears to be an andesitic ash tuff.						
77.42	77.62	Very rusted and vuggy with 10% pyrite as subhedral clots. Lower contact has been partially ground, but doesn't appear as if there has been any core loss.						
78.50	**82.45**	**ANDESITIC LAPILLI TUFF (3F5a1)**						
		Green to light greasy green grey in colour. Composed of 80% of largely sub-rounded with occasional subangular lapilli up to 4.0 cm. In some instances the lapilli fragments have been completely sericitized, while in other instances the rims of the lapilli have been chloritized. Doesn't appear to have a preferred planar fabric, fragments are randomly oriented. 1% pyrite as fine disseminations, as total or partial replacements of lapilli (finely disseminated) or as finely disseminated stringers occasionally partially replacing carbonate-quartz stringers.						
78.76	78.77	Carbonate-quartz vein, partially replaced by finely disseminated pyrite, at 55 degrees to the C.A.						
79.45	79.85	Three rusty fractures at 70 degrees, subparallel and 45 degrees to the C.A. Moderately pervasive carbonate and iron-rich carbonate alteration halos.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
80.38	80.55	Rusty fracture, at 25 degrees to C.A., with 1.0 cm carbonate and iron-rich carbonate alteration halo on either side of the fracture.						
81.05	0.00	5.0 mm finely disseminated pyrite veinlet, as partial replacement of carbonate-quartz veinlet, at 75 degrees to the C.A.						
81.78	81.86	Rusty fracture at 25 degrees to the C.A. Bordered downhole by finely disseminated and subhedral (1.0-3.0 mm) pyrite, with maximum width of 1.2 cm.						
81.86	82.25	Possible weak banding, at 85 degrees to C.A., of chloritic stringers, with noticable decrease in lapilli fragments to approximately 5%. Lower contact gradational.						
82.45	**107.90**	**INTERCALATED ANDESITIC ASH AND LAPILLI TUFF (2F4a1/3F4a1)**						
		This horizon is very gradational in nature. Many intervals alternating between an ash tuff, occasionally banded, less abundant intervals of lapilli tuff. The horizon is grey to light greasy green grey 1% carbonate-quartz veining, stringers and wisps. Chloritic content variable, averaging 10%, but locally up to 20%. Ash tuff has alternating intervals composed of an aphanitic groundmass with fine peppered chlorite and fine-grained dark chloritic bands, up to 1.5 cm with occasional 1-3% sub rounded 2.0-3.0 mm lapilli fragments which my be partially or completely chloritized and/or sericitized. Lapilli tuff intervals contain roughly greater than 3% lapilli fragments, up to 6.0 cm, set within an aphanitic groundmass. 1% pyrite largely as fine disseminations, as well as 1.0-3.0 mm subhedral blebs, occasionally as stringers/veinlets as partial replacement of carbonate-quartz and chloritic stringers/veinlets. May be up to 5% pyrite over very short intervals.						
82.45	85.08	Weakly sericitized ash tuff horizon with 2% carbonate-quartz veins, at 55-65 degrees to the C.A., bordered by finely disseminated pyrite.						
85.08	85.33	15% carbonate-quartz as anastomosing veins and fragments.						
85.33	88.22	Ash tuff horizon with 1% chloritic banding, up to 1.5 cm, at 85 degrees to the C.A. Weak rusty fracture, at 87.20-87.27 meters, at 20 degrees to the C.A.						
88.22	88.70	15% loosely packed sub rounded lapilli fragments (lapilli tuff), up to 2.0 cm, with carbonate-quartz vein at 88.31-88.33 metres at 85 degrees to the C.A.						
88.70	92.44	Ash tuff horizon, with up to 5% disseminated pyrite, associated with up to 20% anastomosing clots and wisps of chlorite at 89.37-90.04 metres, 90.40-90.68 meters and 91.57-91.70 meters.						
92.44	93.32	Loosely packed lapilli tuff horizon composed of 10% subrounded fragments averaging 5.0 mm, but up to 2.0 cm. Carbonate-quartz vein at 92.53-92.54 meters at 75 degrees to the C.A.						
93.32	94.85	Ash tuff horizon with 5% chloritic banding at 85-90 degrees to the C.A. Carbonate-quartz vein at 94.40-94.42 metres at 60 degrees to the C.A.						
94.85	95.28	Lapilli tuff horizon with 30% loosely packed subrounded, averaging 5.0 mm but up to 1.5 cm.						
95.28	97.84	Banded ash tuff, with 50% chloritic bands (up to 5.0 cm), at 85 degrees to the C.A. 5% fine disseminated pyrite at 96.46-96.77 meters, partially replacing chlorite bands and carbonate-quartz veins.						
97.84	102.58	Mixed ash tuff, banded ash tuff and lapilli tuff horizon. No distinct contacts Very gradational alternating between the three types of tuffs. Lapilli fragments average 5%, up to 6.0 cm, subrounded. Bands of varying widths, up to	37682	99.00	100.50	1.50	1.21	1.0

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		1.0 cm, predominantly at 85 degrees to the C.A. Representative sample taken at 99.00-100.50 metres. Two weakly rusty fractures, at 45 degrees to the C.A., at 101.45-101.55 metres.						
102.58	104.50	Banded ash tuff horizon, with 7% chloritic bands (partially replaced by finely disseminated pyrite), up to 1.0 cm, at 75-85 degrees to the C.A. Banded ash tuff horizon, with 1% chloritic banding up to 1.0 cm, at 80-85 degrees to the C.A. Weak rusty fracture at 105.46 meters at 45 degrees to the C.A.						
107.90	**107.90**	**E.O.H.**						

Hole No.	EZ89.014	Northing	0+32S	Grid Orient		Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test
Property	WILLOUGHBY	Easting	0+08W	Grid Azim.		89.6	- 45		ACID				
Location	EDGE ZONE	Elevation	1565.02	Length (m)	89.80								
Claim No.	DEL	Surv. E.		Dip-Collar	-45.30								
NTS	103 P/13	Surv. W.		Bearing	15.35								
Started	08/07/89	Logged by	A.D. BRAY	Drill No.	1000/1								
Finished	08/07/89	Checked by	A.D. BRAY	Foreman	M.JOHNSTON								
Comments		Core	BQ TW	Drill Co.	FALCON								

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_to.

SUMMARY

0.00	1.52	CASING
1.52	14.95	INTERCALATED ANDESITIC ASH AND LAPILLI TUFF (2A5a1/3A5a1)
14.95	22.30	ANDESITIC ASH TUFF (1A5a1)
22.30	28.91	ANDESITIC LAPILLI TUFF (2M4a3)
28.91	31.28	ANDESITIC LAPILLI TUFF (2S7a2)
31.28	46.18	ANDESITIC ASH TUFF (2F5a1)
46.18	48.93	MINERALIZED ZONE (2A8a5)
48.93	53.70	ANDESITIC ASH TUFF (2A5a2)
53.70	57.20	MINERALIZED ZONE (2S5x75)
57.20	60.32	INTERCALATED ASH AND LAPILLI TUFF (2F5a1/3F5a1)
60.32	65.05	MINERALIZED ZONE (3A5x65)
65.05	84.04	ANDESITIC ASH TUFF (2A5a1)
84.04	89.80	ANDESITIC LAPILLI TUFF (3F5d1)
89.80	89.80	E.O.H.

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
0.00	1.52	**CASING**						
1.52	14.95	**INTERCALATED ANDESITIC ASH AND LAPILLI TUFF (2A5a1/3A5a1)**						
		This horizon contains numerous alternating, small intervals of aphanitic and fine-grained ash tuff as well as infrequent intervals in which the tuff has distinct bands of dark chlorite. The contacts are very gradational, a one metre section can grade back and forth between an aphanitic and a fine-grained ash tuff as many as five times. The color can very between a light grey to a greasy green grey, imparting a mottled appearance, (due largely to the amount of fine wisps/clots of chloritic material present as well as the amount of fine ash. The content of ash (less than 2.0 mm), predominately subrounded to rounded, is variable (but less than 10%), much of which has been sericitized and/or chloritized. Lapilli- sized fragments, up to 2.0 cm, subrounded to rounded, scattered occasionally throughout. Dark chloritic content, as fine wisps, clots, stringers forming bands, is variable (but less than 15%). 2% carbonate-quartz stringers and veins, with the occasional clot. Between 0.5-1% finely disseminated pyrite, in places partially or wholly replacing sericitized ash or lapilli. Pyrite content maybe up to 3% when associated with chloritic banding.						
1.52	2.00	Mottled appearance.						
2.03	2.47	Cobblesize core. Rusty with moderately pervasive carbonate and iron-rich carbonate alteration halo associated with a fracture subparallel to the C.A.						
2.47	3.40	Mottled appearance. 2.72-2.79: Two weakly rusted fractures at 65 degrees to the C.A.						
4.60	4.80	Mottled appearance.						
5.75	5.90	Mottled appearance.						
6.15	0.00	Weakly rusty fracture at 75 degrees to the C.A.						
6.53	6.70	Weakly rusty fracture subparallel to the C.A.						
6.88	7.00	Broken core associated with weakly rusty fracture subparallel to the C.A.						
7.44	7.59	Chloritic stringers (banding) anastomosing and at 75 degrees to the C.A., with 2% disseminated pyrite.						
7.64	7.98	Weakly rusty fracture subparallel to the C.A.						
8.07	0.00	Finely disseminated sphalerite in a 1.0-4.0 mm wide stringer at 30 degrees to the C.A.						
8.78	9.03	0.5% finely disseminated pyrite associated with anastomosing stringers of chlorite and carbonate.						
9.24	0.00	Finely disseminated sphalerite.	37683	8.00	9.50	1.50	0.02	1.1
10.55	0.00	Carbonate-quartz stringer at 45 degrees to the C.A., with finely disseminated sphalerite.						
10.79	10.81	Carbonate-quartz vein at 45 degrees to the C.A.						
10.90	0.00	Fine disseminated sphalerite associated with carbonate-quartz clot.						
11.40	11.60	40% dark chlorite stringers, at 75 degrees to the C.A., imparting a banded appearance. Lower contact gradational.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
14.95	**22.30**	**ANDESITIC ASH TUFF (1A5a1)**						
		Predominantly aphanitic groundmass, light greasy green grey in colour, with rare short interval of weakly bleached overwash (weakly silicified), scattered subrounded ash (less than 2.0 mm), averaging 2%. Alternating intervals of a coarser ash tuff further down this horizon. 2% dark chlorite as wisps/clots and occasional stringer. 0.5% carbonate-quartz as stringers, veinlets and clots. 0.5% pyrite finely disseminated, with up to 10% pyrite (over very short intervals), disseminated and as 1.0-3.0 mm subhedral blebs associated with increase in chloritic material.						
15.91	16.00	5% pyrite, disseminated and 1.0-3.0 mm subhedral blebs, with trace to 0.5% fine disseminated and millimeter blebs of sphalerite and trace galena. Fine disseminations associated with chloritic stringers and a carbonate-qaurtz vein at 45 degrees to the C.A.						
17.08	17.16	5% fine diseminated pyrite, nearly wholly replacing wisps of chlorite.						
17.42	17.57	Carbonate-rich bomb (?) rimmed by 1.0-4.0 mm subhedral pyrite-forming clots.						
18.92	18.94	Two 2.0 mm carbonate-quartz stringers at 40 degrees to the C.A., with trace finely disseminated galena, trace blebs sphalerite, and subhedral 1.0 mm pyrite						
18.94	19.30	Lapilli tuff interval. 15% loosely packed, subrounded lapilli up to 2.5 cm.						
19.85	20.08	Lapilli tuff interval. 15% loosely packed, subrounded lapilli up to 1.5 cm.						
20.64	20.74	10% pyrite, 1.0-3.0 mm subhedral, associated with large (3.0 cm) carbonate-rich subrounded lapilli fragments.						
21.50	22.00	Lapilli tuff interval. 10% loosely packed subrounded lapilli up to 3.0 cm.						
22.00	22.30	Fine-grained ash tuff interval. 10% loosely packed subrounded ash. Lower contact gradational.						
22.30	**28.91**	**ANDESITIC LAPILLI TUFF (2A4a3)**						
		Aphanitic dark green to greasy green grey in colour,with 25% loosely packed subrounded, ocasionally lath-shaped, lapilli up to 6.0 mm. Lapilli pervasively chloritized and/or sericitized. Trace carbonate-quartz veining associated with a rusty fracture. Sulphide-rich interval with 7% pyrite, followed by a sulphide-poor interval with 1% pyrite.						
22.30	24.96	Sulphide-rich interval with 7% pyrite as subhedral 1.0-3.0 mm blebs and fine disseminations. 1% very finely disseminated light pinkish garnets (?), scattered in clots throughout the interval. Possibly a skarn (?). 23.10-23.27: Carbonate-quartz vein, associated with a rusty fracture, at 20 degrees to the C.A.	37684	22.30	23.80	1.50	0.17	0.9
24.96	26.35	Sericitc alteration more pervasive than chloritic alteration. Weakly rusty fracture at 25.81-25.96 metres, at 20 degrees to the C.A. 24.96-28.91: Sulphide-poor interval containing 3% finely disseminated pyrite stringers at 25-35 degrees to the C.A. Lower contact gradational.	37685	23.80	25.30	1.50	0.08	0.8
28.91	**31.28**	**ANDESITIC LAPILLI TUFF (2S7a2)**						
		Dark green, greasy green colour, with 5% sericitized-epidotized-chloritized subrounded lapilli (up to 5.0 mm). Chlorite (clots, rare undulating bands)-						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		sericite-epidote alteration pervasive. 15% carbonate-quartz as irregular clots and stringers associated with 1-2% very fine disseminated, light pinkish garnets. Sulphide-rich interval (3% pyrite), followed by a sulphide-poor interval with 0.5% pyrite.						
28.91	30.00	Sulphide-rich interval with 3% pyrite as subhedral, 10.-3.0 mm blebs and fine disseminations.						
30.00	31.35	Sulphide-poor interval with 0.5-1% finely disseminated pyrite. 31.00: 5.0 mm carbonate-quartz stringer at 45 degrees to the C.A. Lower contact marked by beginning of weak fracture in the underlying unit.	37686	28.80	30.30	1.50	0.26	0.7
31.28	**46.18**	**ANDESITIC ASH TUFF (2F5a1)** Occasional chlorite-sericite interval, but predominantly sericite-chlorite alteration intervals. Aphanitic green to greasy green grey color. 2-3% subrounded to irregularly shaped sericitized-chloritized ash to lapilli fragments up to 2.5 cm. Fine dark chlorite banding (10%) up to 1.5 cm, defines planar fabric (relic bedding). Less than 1% carbonate-quartz as veins and scattered clots. Average 1% pyrite as fine disseminations and 1.0-3.0 mm subhedral blebs, but up to 12-15% over very short intervals.						
31.28	31.48	Carbonate-quartz vein, with 25% irregularly shaped chlorite-rich fragments up to 2.0 cm. Vein bordered uphole by weakly rusty fracture at 45 degrees to the C.A., with downhole contact at 30 degrees to the C.A. 31.28-34.00: Chlorite-sericite interval. Banding, occasionally undulating, defines weak planar fabric at high angle (70-90) degrees to the C.A. 15% pyrite as 1.0-3.0 mm subhedral blebs, and fine disseminations from 33.30-34.00 metres. The rest of the interval averages 1% pyrite.	37687	30.30	31.80	1.50		
34.00	35.18	Sericitic alteration dominates. 15% pyrite as 1.0-3.0 mm subhedral blebs and fine disseminations from 34.00-34.23 metres, with the rest of the interval averaging 2% pyrite.	37688	33.30	34.80	1.50	0.18	2.6
35.18	35.43	Carbonate-quartz vein, with 3% fine chloritic stringers and 0.5% fine disseminated pyrite, with up hole contact at 45 degrees to the C.A. and the downhole contact at 20 degrees to the C.A. Both contact surfaces with 3% 1.0-3.0 mm subhedral pyrite blebs.						
35.43	46.18	Pervasive sericitic alteration, with lesser chlorite alteration. 10% banding, generally chloritic bands with some distinct sericite bands. The banding is at high angles to the C.A., generally from 65-80 degrees to the C.A. The interval averages 1% pyrite, getting up to 3% pyrite over very short intervals (less than 5.0 cm). Trace blebs of sphalerite at 40.43 metres. Rusty, vuggy fractured surface at 43.60-43.70 metres. Lower contact gradational.						
46.18	**48.93**	**MINERALIZED ZONE (2A8a5)** Aphanitic dark green and light greasy green. Chloritic alteration very pervasive with subordinate sericitic alteration. 2% scattered, subrounded ash and lapilli fragments up to 1.2 cm. 15% fine chloritic banding generally at						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		75-80 degrees to the C.A.. 5% pyrite as irregular shaped clots, stringers, veinlets and subhedral blebs (up to 7.0 mm). 48.70-48.73: Pyrite vein, at 35 degrees to the C.A., with 15% sphalerite scattered within and bordering the vein. Lower contact gradational.						
			37689	46.00	47.50	1.50	0.21	2.5
48.93	**53.70**	**ANDESITIC ASH TUFF (2A5a2)** Aphanitic greasy green grey with 2% scattered, subrounded ash and lapilli fragments up to 4.0 cm sericitized and chloritized. 15% fine chloritic banding, up to 4.0 cm, at 65-80 degrees to the C.A.. 1% carbonate-quartz veins at 75 degrees to the C.A.						
			37690	47.50	49.00	1.50	0.91	5.6
51.91	52.45	Very distinct, pervasively altered chloritic interval. 3% pyrite as irregular-shaped clots composed of 1.0-6.0 mm subhedral blebs and fine disseminations. Lower contact marked by increase in dark black chloritic alterartion of the underlying unit.						
			37691	51.70	52.70	1.00	0.40	1.5
			37692	52.70	53.70	1.00	0.20	0.7
53.70	**57.20**	**MINERALIZED ZONE (2S5x75)** Dark black. 15% cloudy white carbonate/carbonate-quartz as irregular clots and stringers. Peppered by green and greasy green epidote, sericite and black chlorite (10%), finely disseminated porous green - yellow garnet? and/or idocrase (less than 1%) 50% massive, semi-massive and finely disseminated pyrite, and 25% massive to semi-massive and disseminated magnetite.						
53.70	54.90	1-2% finely disseminated pyrite. Weak-moderately magnetic throughout the interval (dissemianted magnetite), with smaller interval at 57.85-57.95 metres, which is moderately to strongly magnetic (30% semi-massive magnetite).						
54.90	55.40	60% dark black, massive magnetite with 40% semi-massive pyrite.	37693	53.70	55.20	1.50	0.85	0.7
55.40	56.92	70% massive and pyrite and 30% carbonate, carbonate-quartz and finely disseminated magnetite (weakly magnetic).	37694	55.20	56.70	1.50	3.60	1.6
56.92	57.20	1-2% finely disseminated pyrite, fine disseminated magnetite and 5% epidote as irregular-shaped clots. Lower contact irregular, marked by distinct colour change.						
57.20	**60.32**	**INTERCALATED ASH AND LAPILLI TUFF (2F5a1/3F5a1)** Aphanitic greasy green grey (sericitic) and mottled black green grey (chloritic -sericitic). 1% carbonate-quartz as irregular shaped clots, and stringers. 0.5% pyrite, finely disseminated.						
57.20	58.60	Sercitic banded ash tuff interval. 15% fine chloritic banding at 75 degrees to the C.A., alternating with aphanitic sections.	37695	56.70	58.20	1.50	0.64	0.5
58.60	57.00	Lapilli tuff interval. 50% randomly oriented, subrounded chloritized and sericitized lapilli up to 1.5 cm.						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
59.00	60.32	Lapilli tuff interval(?). Texture obscured in most places by anastomosing clots, wisps and stringers of dark black chlorite. Where visible, the texture is similar to that of 58.60-59.00 metres. 5% disseminated pyrite at 59.63-59.67 metres. Lower contact gradational, marked by colour change and an increase in mineralization.	37696	58.20	59.70	1.50	0.10	0.7
60.32	**65.05**	**MINERALIZED ZONE (3A5x65)** Dark black grey with 20% cloudy white carbonate/carbonate-quartz as irregular clots and stringers and occasional vein at 75 degrees to the C.A. Peppered by 15% black green and greasy green chlorite, epidote and sericite. 1% finely disseminated, porous, light pinkish tan garnet. 45% massive and semi-massive and fine disseminated pyrite, and 20% semi-massive and disseminated magnetite.						
60.32	62.27	A couple percent finely disseminated magnetite throughout the interval. 45% massive, semi-massive and disseminated pyrite. 35% carbonate and carbonate-quartz and 20% chlorite with minor chlorite and sericite.	37697	59.70	61.20	1.50	0.20	1.1
62.27	62.73	40% clots of epidote, and 4-5% clots of fine disseminated garnet. 30% carbonate and carbonate-quartz, and 25% chlorite with minor sericite and less than 1% disseminated pyrite.	37698	61.20	62.70	1.50	0.37	0.5
62.73	63.47	45% massive, semi-massive and disseminated pyrite, and 20% semi-massive and disseminated magnetite (moderately to strongly magnetic). 20% carbonate and carbonate-quartz, and 15% chlorite with minor epidote and sericite.						
63.47	65.05	35% semi-massive and disseminated pyrite, 25% carbonate and carbonate-quartz, 35% chlorite, 3-5% epidote and garnet, with a couple of percent disseminated magnetite (weakly magnetic throughout). Lower contact marked by color change and sharp drop in the mineralization.	37699	62.70	64.20	1.50	0.66	0.7
65.05	**84.04**	**ANDESITIC ASH TUFF (2A5a1)** Aphanitic greasy green grey with 10% scattered randomly oriented, subrounded sericitized and/or chloritized ash, less than 2.0 mm. 10-15% bands of distinct fine-grained chlorite and indistinct very fine-grained sericitic bands. Bands are generally between 65-80 degrees to the C.A. Scattered, subrounded lapilli-sized fragments up to 1.5 cm. 2% carbonate-quartz veining. Interval averages 0.5% fine disseminated pyrite, with rare very short interval of up to 3% disseminated pyrite.	37700	64.20	65.20	1.00	0.03	1.1
			37851	65.20	66.20	1.00	0.07	7.0
66.33	67.54	Lapilli tuff interval, with 35% randomly oriented, loosely packed subrounded lapilli fragments up to 3.0 cm. Trace blebs of sphalerite at 66.33 and 66.57 metres, associated with a 1.0 mm carbonate--quartz stringer at 25 degrees to the C.A.						
70.29	70.30	Carbonate-quartz vein at 15 degrees to the C.A.						
72.06	72.20	Carbonate-quartz veins at 65-75 degrees to the C.A.						
73.00	74.50	Representative sample.	37852	73.75	74.50	0.75	0.02	1.2
76.15	76.65	3% pyrite as finely disseminated anastomosing stringers in association with fine chloritic stringers. 3% clots of epidote with trace 1.0 mm blebs of						

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	WIDTH	Au g_ton	Ag g_ton
		sphalerite and trace finely disseminated galena at 76.51 metres.	37853	75.75	77.25	1.50	0.19	1.1
80.97	80.98	Carbonate-quartz vein at 65 degrees to the C.A.						
81.04	0.00	5.0 mm carbonate-quartz veinlet at 70 degrees to the C.A.						
83.28	83.59	3% finely disseminated pyrite associated with 15% fine chlorite. Lower contact gradational.						
84.04	**89.80**	**ANDESITIC LAPILLI TUFF (3F5d1)**						
		Greasy green grey with 45% randomly oriented, loosely packed subrounded lapilli up to 2.5 cm, but averaging 5.0 mm. Lapilli generally sericitized and/or chloritized. Remaining 55% as aphanitic groundmass, wisps and stringers of fine dark chlorite (3%), less than 1% carbonate-quartz veins (at 70-80 degrees to the C.A.), and 1% finely disseminated pyrite, with occasional fine stringer.						
86.80	88.30	Representative sample taken.	37854	86.80	88.30	1.50	0.22	0.3
89.20	89.80	Weakly banded fine-grained ash tuff.						
89.80	**89.80**	**E.O.H.**						