GM 48216

DIAMOND DRILLING REPORT, DANIEL PROPERTY

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Énergie et Ressources naturelles
Québec

DIAMOND DRILLING REPORT

for

INTERNATIONAL THUNDERWOOD EXPLORATIONS LTD.

on the

DANIEL PROPERTY

DANIEL TOWNSHIP, QUEBEC

NTS: 32 F 13

Lat. 49°50' Long. 77°49'

GEOLOGICAL BRANCH
M.E.R. MINERS
'89 JAN 5 16 14

Ministère de l'Énergie et des Ressources
Service de la Géoinformation
Date: 17 AVR 1989
No G.M.: 48216

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J.B. Hinzer
Geological Consultant
6455 Stamford Green Drive
Niagara Falls, Ontario

August 1988

SUMMARY

International Thunderwood Explorations Ltd. completed a 6310m diamond drilling program on their 24 claim Daniel base metal property, located 16km northwest of Matagami, Province of Quebec, during the 1987-88 winter season.

Exploration was targeted on a previously located Cu-rich alteration pipe structure within which previous shallow drilling had intersected up to 1.33% Cu, 0.11% Zn and 0.92 oz/ton Ag over a core length of 23m. Ground geophysical surveys included magnetics, I.P., Pulse EM and MaxMin II surveys. Magnetic and I.P. data proved most useful. Extensive deep (15-80m) and locally conductive overburden rendered electromagnetic surveys of limited use. Pulse EM identified several shear zones.

The diamond drilling (21 holes) verified the presence of anomalous Cu-Zn enriched and Na_2O depleted zones consistent with base metal alteration. Two holes drilled below previously known Cu-rich zones encountered 0.45% Zn over 43.0m and 0.42% Zn over 38.7m. This mineralization is hosted in a locally fragmental (brecciated), chloritized, mafic volcanic rock which has been strongly Na_2O depleted.

Six of the drill holes encountered an east-west striking, vertically dipping, quartz-feldspar porphyry which hosts numerous gold-bearing, quartz-pyrite-tourmaline veins. The best assay obtained was 2.38 oz Au/ton over 1.0m.

Both the anomalous gold and base metal mineralization are hosted within a highly altered package of volcanic rocks of the Wabassee and Lac Watson Groups that lie on strike with the Norita and other base metal deposits that occur on the north limb of the Bell River complex.

The current drilling program encountered no clear-cut, correlatable units within the volcanics to allow determination of stratigraphic facing or dip direction, however, an east-west strike is discernable.

Two distinct Na_2O depletion zones with anomalous base metal mineralization remain open to depth and along strike. The gold-bearing porphyry also remains open to depth and along strike. Other base metal and gold anomalies, outlined by the current drilling and known from previous programs, also require additional drill testing.

In the author's opinion, this property has excellent potential for hosting both base and precious metal mineralization of economic tonnage and grade. Towards this goal, the author recommends additional field surveys and diamond drilling for a total cost of at least 1.1 million dollars to further evaluate its overall potential.

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LIST OF PLANS ACCOMPANYING THIS REPORT

Plan #	Section	Diamond Drill Hole*
1a, 1b	2+40W	DT-14-88
2a, 2b	0-00	DT-13-88
3a, 3b	0+00	DT-15-88
4a, 4b	0+60E	DT-8-88 & DT-9-88
5a, 5b	1+20E	DT-6-87 & DT-12-88 & DT-17-88
6a, 6b	1+20E	DT-7-87
7a, 7b	1+20E	DT-16-88
8a, 8b	1+80E	DT-5-87
9a, 9b	2+40E	DT-18-88
10a, 10b	3+00E	DT-3-87 & DT-3-87
11a, 11b	3-00E	DT-10-88 & DT-19-88 & DT-21-88
12a, 12b	3+60E	DT-11-88 & DT-20-88
13a, 13b	4+20E	DT-1-87 & DT-2-87

14 Drill Hole Geology Map

Compilation Map

* See Appendix II for Reference Code for Whole Rock abbreviations.

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II - Whole Rock Geochemistry Data 30

1.0 INTRODUCTION

The author was contracted by John B. Heslop of International Thunderwood Explorations Ltd. to supervise the drilling program for the Daniel project. Diamond drilling commenced early in November, 1987 and was completed early in May, 1988. Assay and geochemical results were received by mid-June and report preparations have been in progress since then. The core was logged by Leslie Kovacs and core splitting and light log surveys were done by Sean Hughes and Doug Imrie. Most of the core was examined by the author during his frequent visits.

Conclusions and recommendations in this report are based on the author's examination and review of diamond drill core and technical support data.

2.0 LOCATION AND ACCESS

The property is located in the northeast quadrant of Daniel Township approximately 10 miles (16 km) northwest of the town of Matagami, Quebec (Figure 1). Lumber roads leading north from the old New Hosco Mine pass within 1/2 mile (1 km) of the claims. Boat access via the Allard River is also possible from the bridge leading to the New Hosco Mine.

Matagami, Quebec is a completely integrated mining community offering all necessary services.

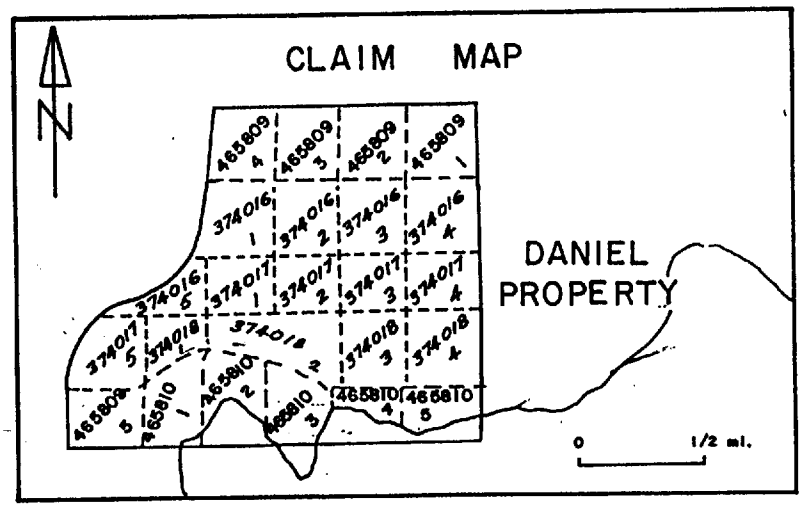
3.0 LAND POSITION

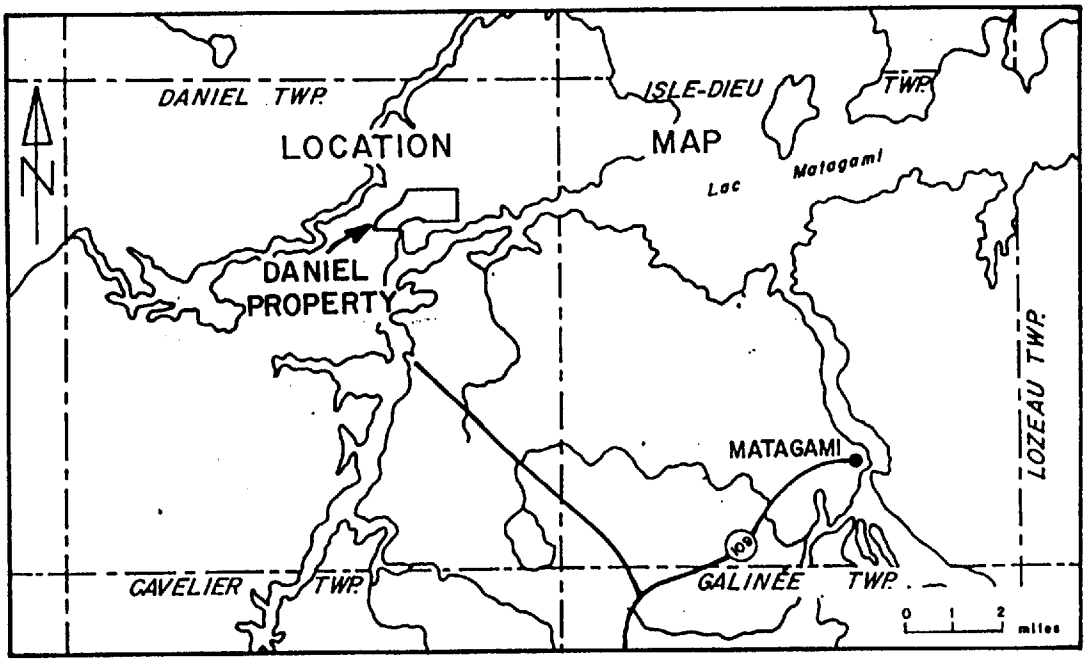
The property consists of 24 contiguous, unpatented, mining claims comprising approximately 370 hectares. The claims are owned 100% by International Thunderwood Explorations Ltd. subject to a 1% net smelter return royalty payable to Geoconseils Jack Stoch Ltée. The claim status as recorded by the M.E.R. is listed in Appendix I. Title searches for the claims have not been carried out by the author.

The claim group is bounded on the south and west by reserves of S.D.B.J. and to the east by Noranda Exploration Company Ltd. Open ground occurs to the north.

4.0 REGIONAL GEOLOGY

The Matagami area lies within the northern portion of the Archean Abitibi Subgroup. Locally, the stratigraphy is controlled by the Bell River Complex, a large northwest trending, layered, gabbro-anorthosite pluton. Volcanics south of the pluton form a northwest striking, south dipping and south facing homocline, while north of the pluton the volcanics strike east-west, dip steeply or vertically and are


CLAIM MAP
N
DANIEL PROPERTY
0 1/2 mi.


LOCATION MAP
N
DANIEL TWP.
ISLE-DIEU TWP.
Lac Malagami
DANIEL PROPERTY
MATAGAMI
LOZEAU TWP.
GAVELIER TWP.
GALINÉE TWP.
0 1 2 miles


JAMES BAY
ONTARIO
QUÉBEC
CHIBOUGAMAU
MATAGAMI
DESMARAISVILLE
TIMMINS
NORANDA
BARRAUTE
VAL D'OR
MALARTIC
QUÉBEC
LAKE HURON
MONTREAL
OTTAWA
U.S.A.
TORONTO
LAKE ONTARIO
KEY MAP
0 100 miles

complexly folded (Sharp 1967). Northeast trending, late stage, diabase dykes crosscut the entire belt.

Two volcanic sequences have been identified; the older, predominantly felsic, Lac Watson Group and the overlying, younger and more mafic, Wabasee Group (Sharp 1967). Most of the massive sulphide deposits in the Matagami area occur near the contact of these two groups. South of the pluton, the contact between the two groups is well defined, however, to the north, because of the complex folding, the contact may be repeated many times (Figure 2).

5.0 PREVIOUS WORK

The Daniel Mining Company originally acquired this property during the 1956-1957 Matagami area staking rush. The property was surveyed in 1958 by Lundberg Explorations Ltd. using a helicopter borne electromagnetic and magnetic system and by Geo-Technical Development Co. Ltd. using ground magnetic and vertical loop surveys. In 1959, Daniel Mining Corp. drilled 27 holes totalling 14,684 feet.

The property was acquired by J. Stoch and subsequently optioned to Inco Ltd. in 1979. After completing ground magnetic, MaxMin and a limited I.P. survey, one hole was drilled and the option was dropped.

The 1984 Q.D.N.R. Lac Grasset airborne Input survey covers the property, but no anomalies are present on the claims.

Since acquisition by Thunderwood in 1987, ground geophysical surveys including magnetic, I.P. MaxMin II and pulse EM have been completed over selected parts of the property.

6.0 DIAMOND DRILLING

During the 1987-88 winter program, 21 holes were completed totalling 6,309.9m (20,702 feet) to test various geological and geophysical targets (Tables I and II).

DT-1-87 to DT-4-87

Diamond drill holes DT-1-87 to DT-4-87 were drilled southeast of the area of the known alteration pipe to test along the north-south striking magnetic anomaly where it parallels an implied shear zone striking 110^{O}. DT-01-87 encountered up to 15% disseminated pyrite with anomalous (300-500 ppm) Zn in the upper part of the hole and a major shear/fault zone at the end of the hole. DT-02-87 collared 120m grid north cored primarily porphyry. Holes DT-3-87 and DT-4-87 were drilled 120m west of the previous holes. DT-3-87 encountered weakly anomalous Zn near the end of the

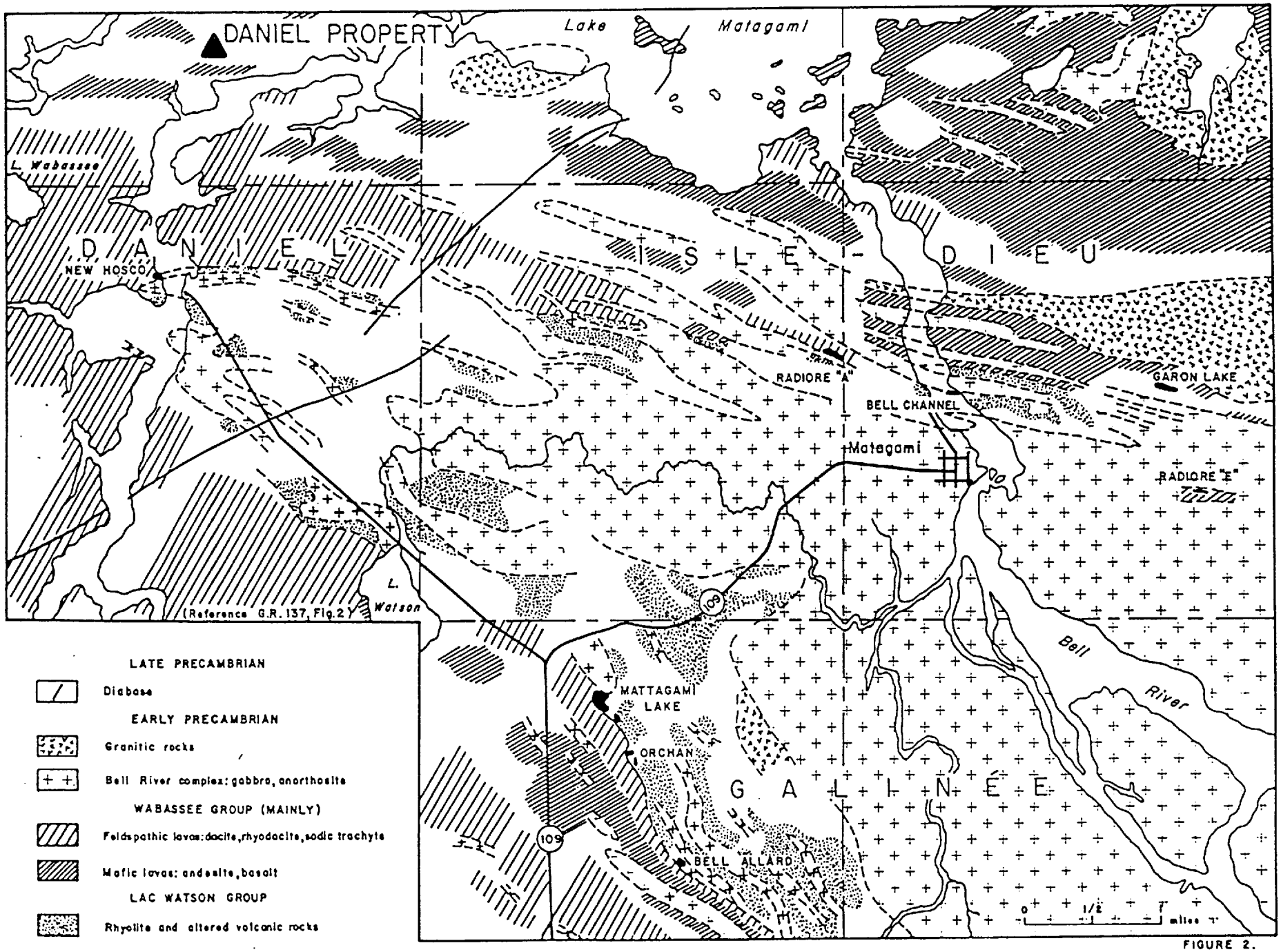


FIGURE 2.

REGIONAL GEOLOGY - MATAGAMI AREA

TABLE I

DIAMOND DRILLING 1987-1988

Hole # Total Number	Dip (°)	Bearing (degree)	Location Line + Station	Casing (meters)	Rock Drilled (meters)	Total (meters)	Cumm. (meters)
DT-1-87	-60	S210	L4+20E 0+80N	19	384.0	403.0	403.0
DT-2-87	-55	S210	L4+20E 2+00N	28	295.0	323.0	726.0
DT-3-87	-60	S210	L3+00E 1+00N	31	189.0	220.0	946.0
DT-4-87	-60	S210	L3+00E 2+00N	24	374.0	398.0	1344.0
DT-5-87	-55	S210	L1+80E 2+30N	22	319.0	341.0	1685.0
DT-6-87	-55	S210	L1+20E 2+60N	22	268.0	290.0	1975.0
DT-7-87	-55	N030	L1+20E 0+20N	22	298.0	320.0	2295.0
DT-8-88	-55	S210	L0+60E 3+00N	20	264.0	284.0	2579.0
DT-9-88	-55	S210	L0+60E 4+50N	60	124.0	184.0	2763.0
DT-10-88	-60	S210	L3+00E 4+50N	16	409.0	425.0	3188.0
DT-11-88	-55	S210	L3+60E 3+00N	20	240.0	260.0	3448.0
DT-12-88	-55	S210	L1+20E 1+80N	24	119.5	143.5	3591.5
DT-8A-88*	-55	S210	L0+60E 3+00N	-	117.0	117.0	3708.5
DT-13-88	-55	S210	L0+00E 2+50N	22	214.0	236.0	3944.5
DT-14-88	-55	S210	L2+40W 2+20N	16	244.0	260.0	4204.5
DT-15-88	-60	S210	L0+00E 0+60S	38	177.4	215.4	4419.9
DT-16-88	-60	S210	L1+20E 2+75S	79	181.0	260.0	4679.9
DT-17-88	-55	S205	L1+20E 4+00N	36	402.6	438.6	5118.5
DT-18-88	-50	S210	L2+40E 4+00N	28	246.0	274.0	5392.5
DT-19-88	-60	S210	L3+00E 4+00N	25	276.4	301.4	5693.9
DT-20-88	-55	S210	L3+60E 4+00N	25	231.0	266.0	5959.9
DT-21-88	-48	S210	L3+00E 5+75N	28	322.0	350.0	6309.9

* deepening of hole DT-8-88

TABLE II

INTERNATIONAL THUNDERWOOD EXPLORATIONS INC.

DIAMOND DRILLING 1987 - 1988

DANIEL PROPERTY

Hole #	Date Hole Started	Date Hole Finished	Total Depth Drilled
DT-1-87	Nov. 10/87	Nov. 16/87	403.0 meters
DT-2-87	Nov. 16/87	Nov. 23/87	323.0 meters
DT-3-87	Nov. 24/87	Nov. 27/87	220.0 meters
DT-4-87	Nov. 28/87	Dec. 4/87	398.0 meters
DT-5-87	Dec. 5/87	Dec. 10/87	341.0 meters
DT-6-87	Dec. 11/87	Dec. 16/87	290.0 meters
DT-7-87	Dec. 16/87	Jan. 11/88	320.0 meters
DT-8-88	Jan. 11/88	Jan. 16/88	284.0 meters
DT-9-88	Jan. 16/88	Jan. 21/88	184.0 meters
DT-10-88	Jan. 21/88	Feb. 13/88	425.0 meters
DT-11-88	Feb. 14/88	Feb. 18/88	260.0 meters
DT-12-88	Feb. 18/88	Feb. 21/88	143.5 meters
DT-8A-88	Feb. 21/88	Feb. 24/88	117.0 meters
DT-13-88	Feb. 24/88	Feb. 29/88	236.0 meters
DT-14-88	Mar. 1/88	Mar. 12/88	260.0 meters
DT-15-88	Mar. 13/88	Mar. 17/88	215.4 meters
DT-16-88	Mar. 17/88	Mar. 24/88	260.0 meters
DT-17-88	Mar. 24/88	Apr. 8/88	438.6 meters
DT-18-88	Apr. 8/88	Apr. 13/88	274.0 meters
DT-19-88	Apr. 13/88	Apr. 19/88	301.4 meters
DT-20-88	Apr. 19/88	Apr. 24/88	266.0 meters
DT-21-88	Apr. 25/88	May 2/88	350.0 metres

hole and DT-4-87 intersected weakly anomalous Zn over narrow sections both at the top and bottom of the hole. Both of these holes also contained many porphyry dykes.

DT-5-87 to DT-9-88, DT-12-88, DT-13-88 and DT-17-88

Holes DT-5-87 to DT-9-88, DT-12-88, DT-13-88 and DT-17-88 were drilled in the immediate vicinity of the previously drilled base metal alteration pipe zones. Hole DT-5-87 encountered only sporadic stringers of sphalerite and/or chalcopyrite in mafic volcanics. Holes DT-6-87, DT-7-87, DT-12-88 and DT-17-88 all encountered anomalous chalcopyrite and sphalerite mineralization and extensive Na_2O depletion in mafic volcanic host rocks. The best Cu mineralization occurs near surface and Zn dominates at depth. Holes DT-8-88 and DT-13-88 encountered only minor stringer mineralization but substantial Na_2O depletion in chloritized, mafic volcanic flows and pyroclastics. DT-9-88 cored gabbro for virtually all its length.

DT-10-88, DT-18-88, DT-19-88, DT-20-88 and DT-21-88

Holes DT-10-88, DT-18-88, DT-19-88, DT-20-88 and DT-21-88 were drilled to test several sub-parallel, pulse EM anomalies and to follow up anomalous gold mineralization encountered in DT-10-88. In all of these holes, anomalous gold values were encountered in pyritic, quartz-tourmaline veins within quartz feldspar porphyry and occasionally gabbro.

DT-11-88, DT-14-88, DT-15-88 and DT-16-88

Holes DT-11-88, DT-14-88, DT-15-88 and DT-16-88 were drilled to test the most significant I.P. anomalies identified to date on the property..

Hole DT-11-88 encountered a highly mineralized (15-20% pyrite) gabbro which accounts for the anomaly. The base of the hole is highly chloritized and moderately Na_2O depleted. DT-14-88, drilled furthest to the west, encountered extensive felsic volcanics (anomalous in gold) in the lower half of the hole. Holes DT-15-88 and DT-16-88 intersected progressively more highly sheared rocks, which also contain anomalous gold values. A major shear zone at the base of hole DT-16-88 assayed up to 1.04% Zn over 1.0m.

7.0 GEOCHEMISTRY

Whole rock geochemical analyses were completed on 231 samples representing most of the rock units encountered in all the drill holes. (Appendix II for complete list) Calc-alkaline volcanic rocks are dominant with a minor component of tholeiites. Since most of the rocks in the drilled area are altered, the whole rock geochemistry must be tempered with geological descriptions.

The bulk of the volcanic rocks plot in the calc-alkaline basalt and andesite regions on the Jenson Cation Plot (Figure 3). Felsic volcanic rocks are represented by a small group of tholeiitic rhyolites and dacites and several isolated plots in the calc-alkaline field. The small group of rocks plotting in the Fe-tholeiite basalt field probably represents the alteration pipe zone.

Na_2O depletion has been used extensively to identify alteration associated with base metal mineralization as part of the footwall alteration.

Thirty-five percent (82) of the rocks sampled contain less than 2% Na_2O. Figure 4 is a plot of all rocks containing <1% Na_2O. The distinct sub-group plotting in the Fe-tholeiite field probably represents the alteration pipe. The remainder of the samples form a broad scatter in the calc-alkaline field.

Figure 5, a plot of rocks containing Na_2O in the range of 1 to 1 1/2%, shows a major concentration in the calc-alkaline basalt field.

Figure 6, a plot of rocks containing Na_2O in the range of 1 1/2 to 2%, shows a major concentration in the calc-alkaline andesite field. The small grouping in the centre of the Fe-tholeiite field reflects the normal Na_2O concentration range of Fe-tholeiites.

The alteration trend for the pipe zone trends from calc-alkaline andesite to basalt and then to Fe-tholeiitic basalt as Na_2O depletion increases.

The quartz-feldspar porphyry intrusives (Figure 7) plot almost exclusively within the calc-alkaline dacite field. The small felsic sub-group plotting within the calc-alkaline rhyolite field is differentiated on the basis of its higher Si_2O and lower MgO, Fe_2O_3, MnO, TiO_2 and CaO.

Mafic intrusive rocks (gabbros) (Figure 8) all plot within the tholeiitic field. Group TIA (Figure 8) are considered to be unaltered rocks. Group T1B which coincides with the Na_2O depleted rocks may reflect similarly altered gabbroic intrusive rocks. The Mg enriched sub-group T-2 shows an ultramafic affinity for some of these rocks.

FIGURE 3

JENSON CATION PLOT

VOLCANIC ROCKS

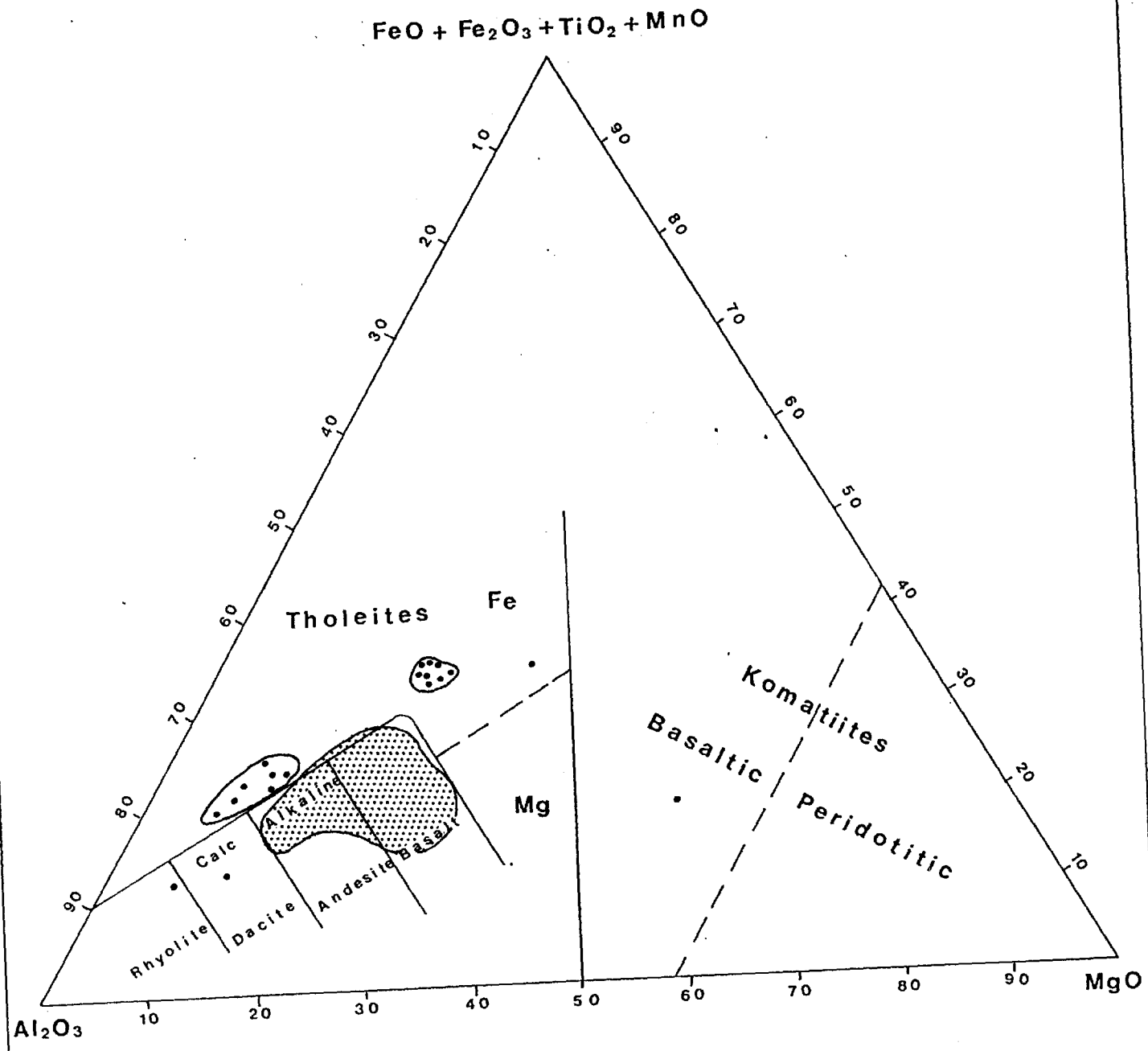


Figure 4

JENSON CATION PLOT

ALTERED ROCKS WITH NA_2O <1%

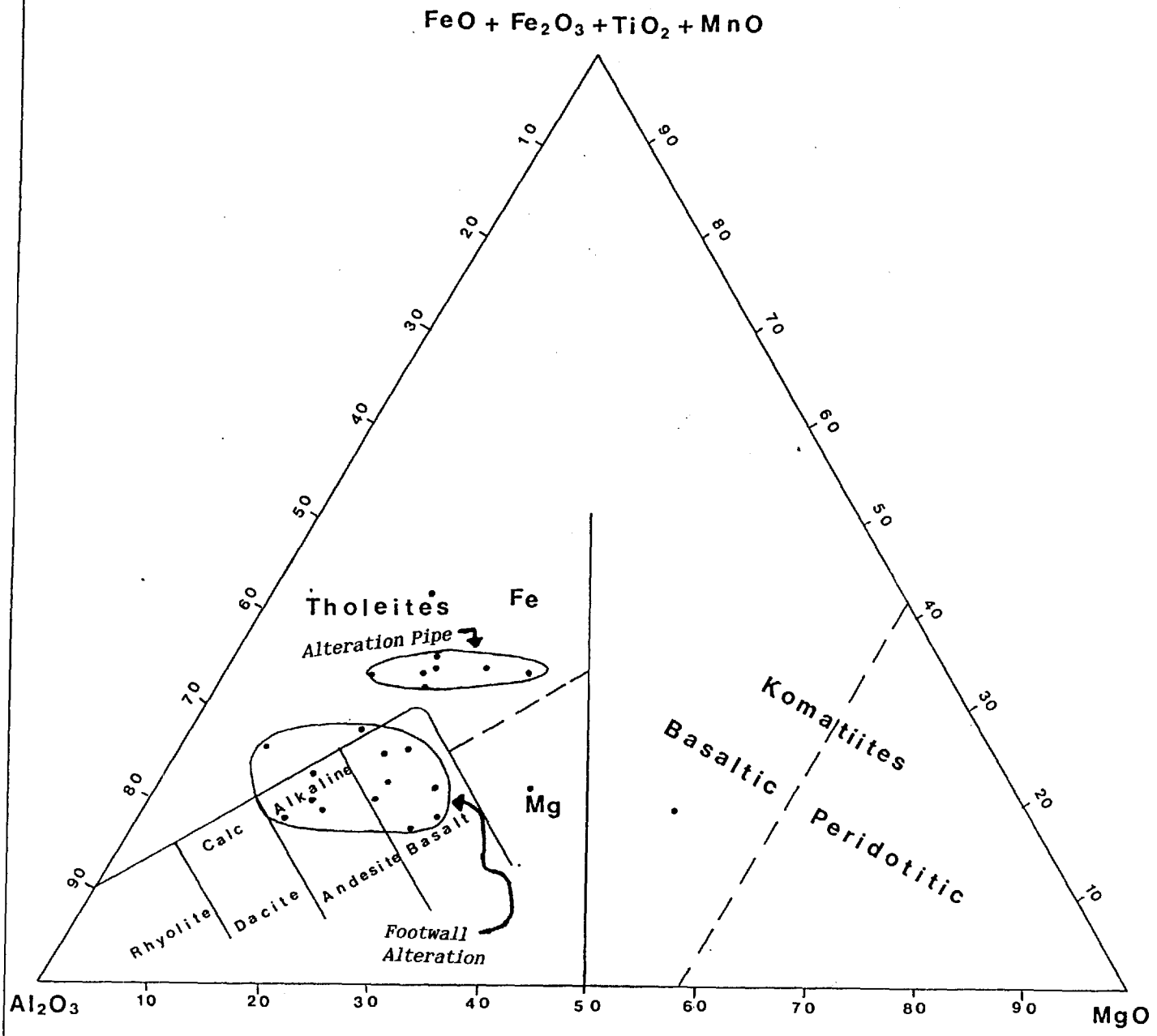


FIGURE 5

JENSON CATION PLOT

ALTERED ROCKS WITH NA_2O - 1.5% - 1.0%

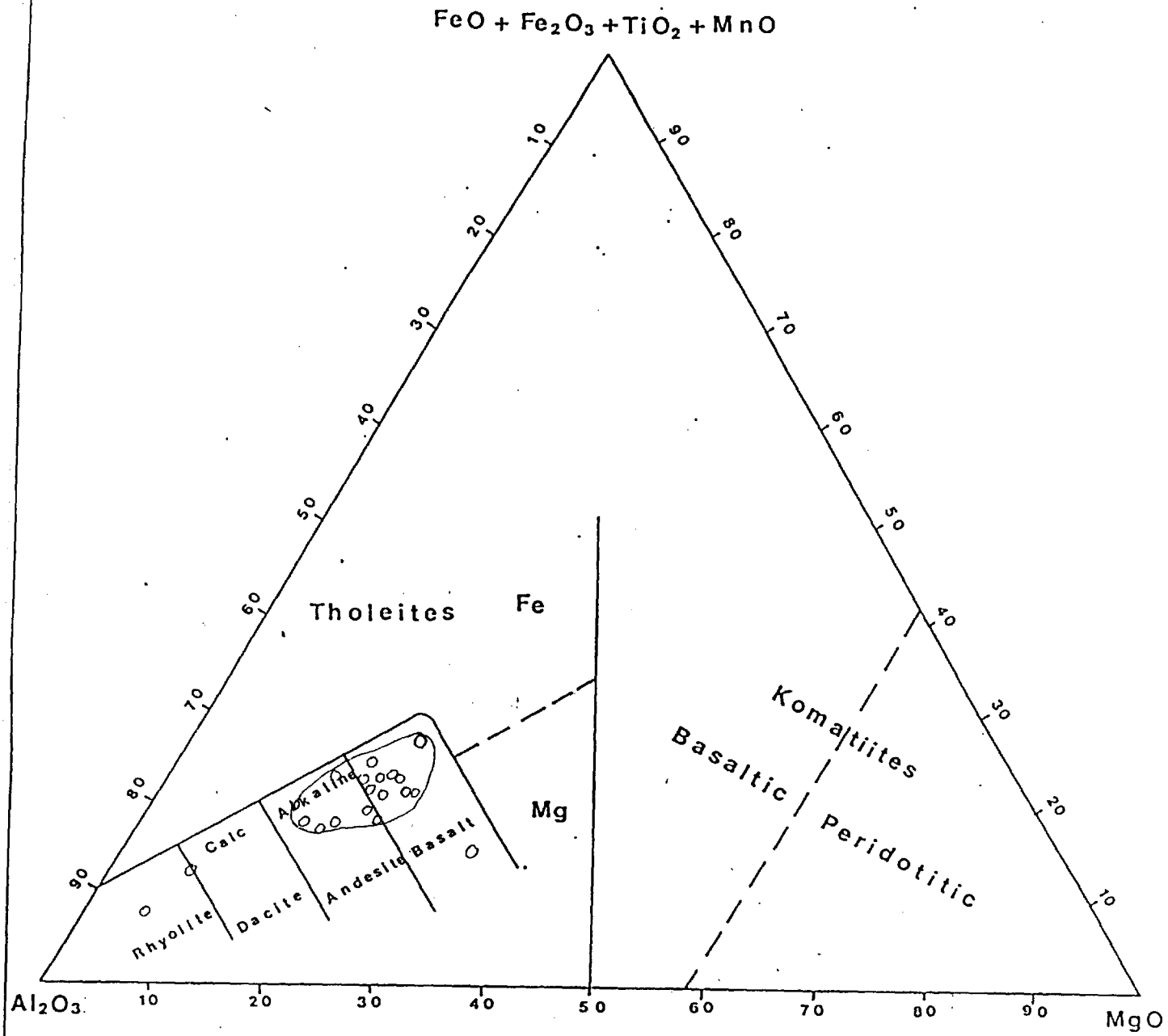


FIGURE 6

JENSON CATION PLOT

ALTERED ROCKS WITH NA_2O - 2% - 1.5%

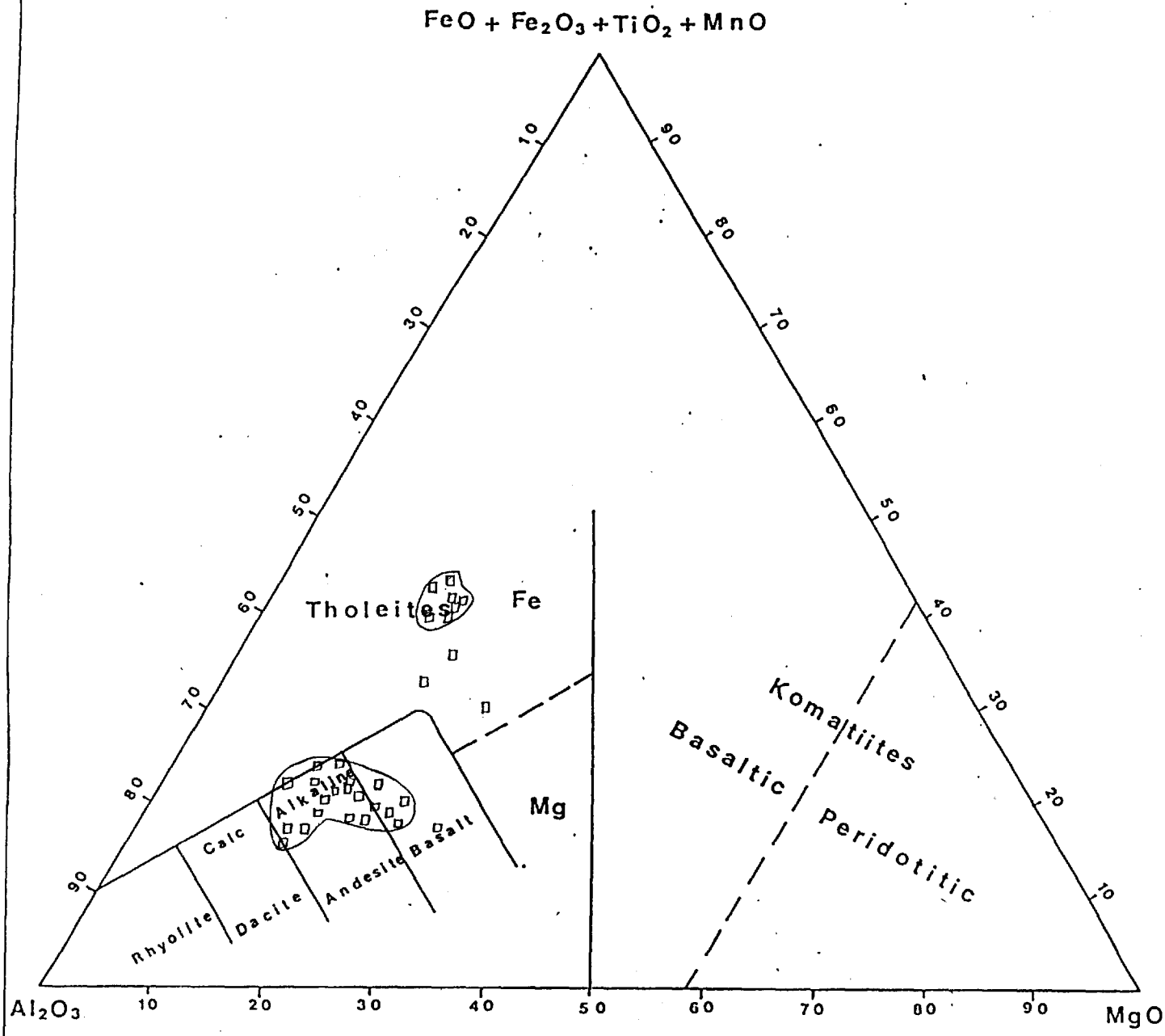


FIGURE 7

JENSON CATION PLOT

QUARTZ FELDSPAR PORPHYRY ROCKS

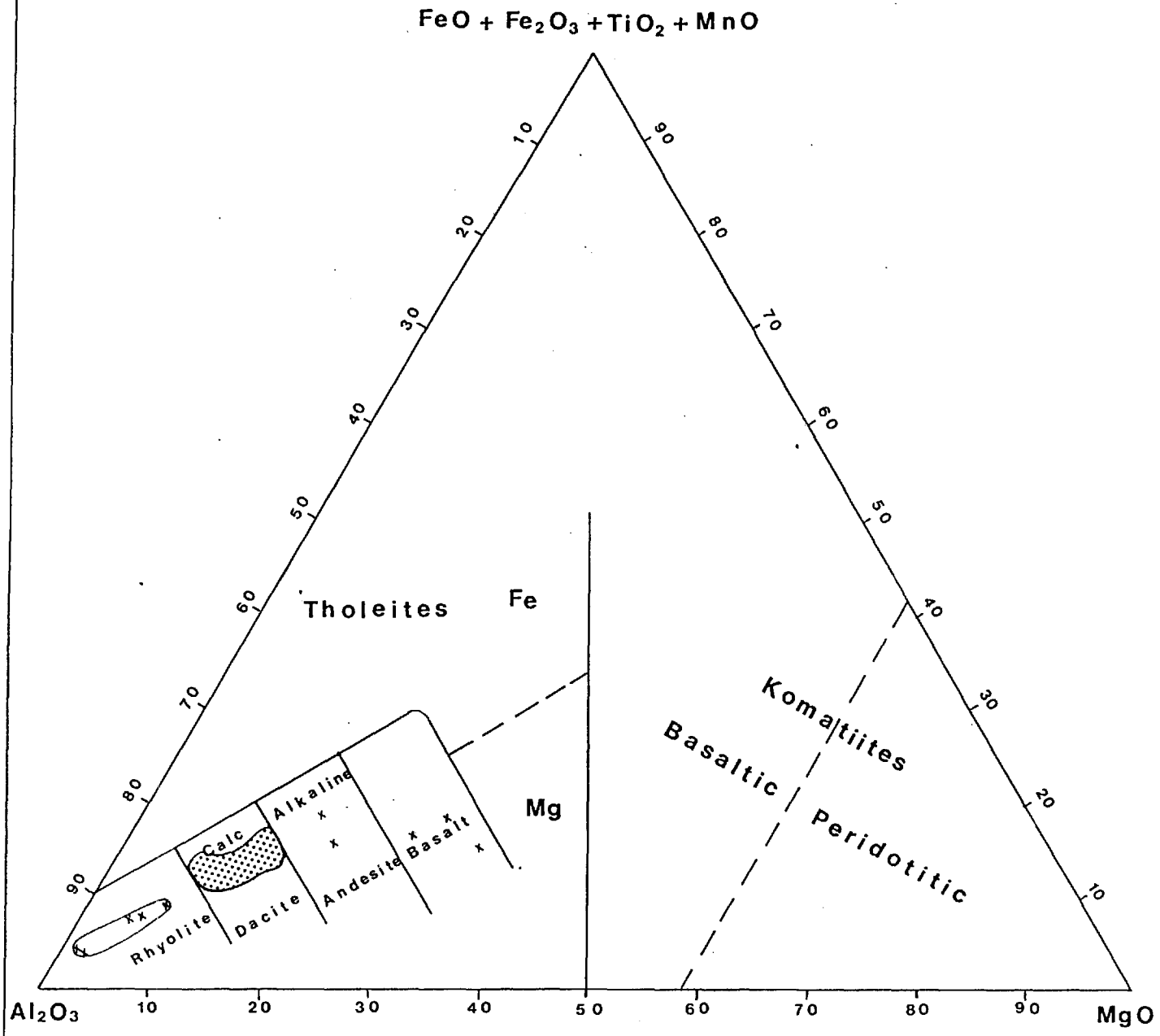
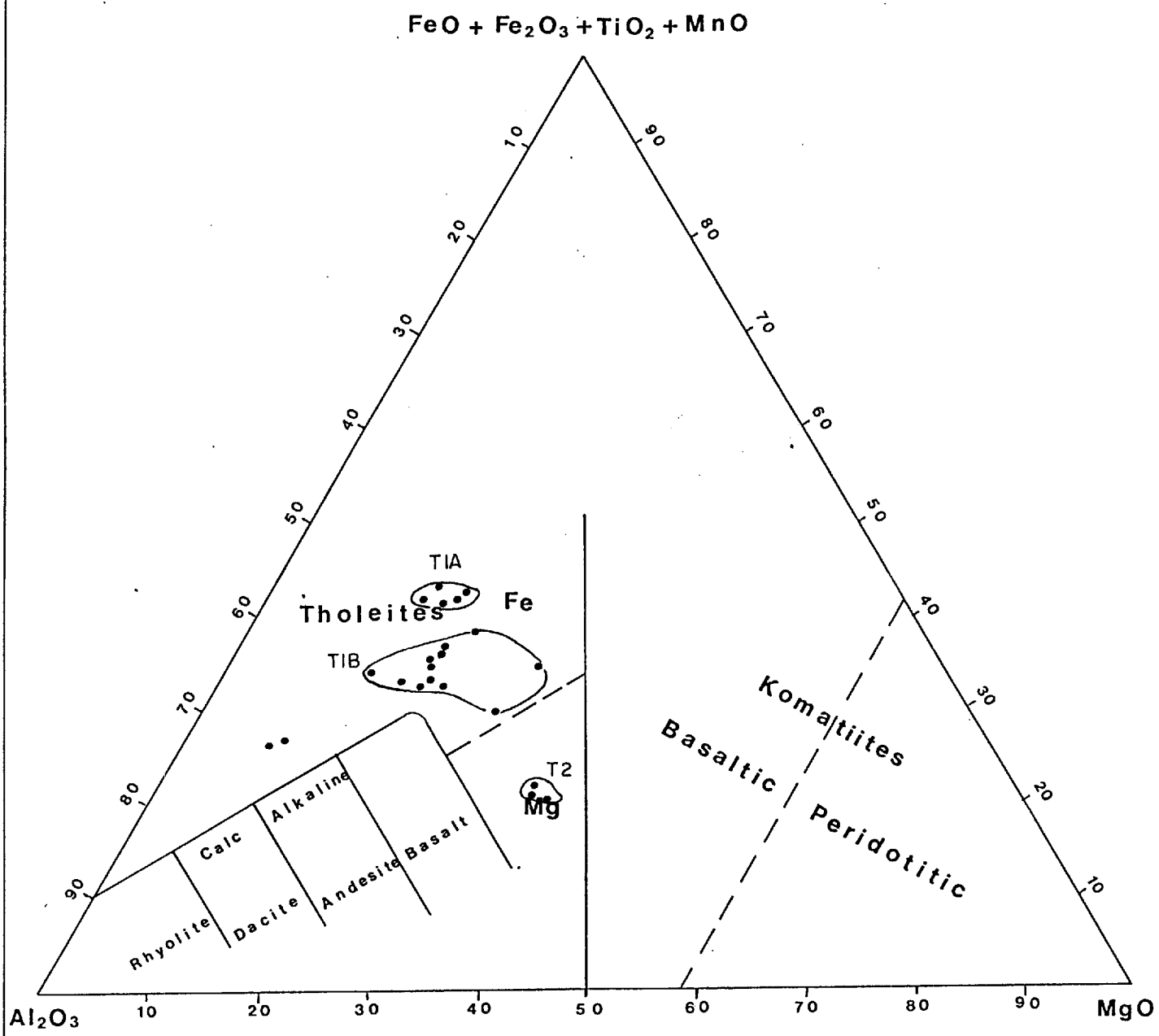


FIGURE 8

JENSON CATION PLOT

GABBROS AND MAFIC INTRUSIVE ROCKS



8.0 PROPERTY GEOLOGY

8.1 General Geology

The entire property is overburden covered with an average depth of 10-15m. Locally, in the southwest, overburden depths exceed 60m. The western portion of the property is primarily bog-covered with small spruce around the periphery. Open spruce forest dominates the northeastern portion becoming increasingly wet as the rivers are approached to the southeast and northwest.

Intermediate to mafic volcanic rocks dominate the stratigraphy. These rocks are intruded by gabbroic dykes and sills and quartz feldspar porphyries. A major, late stage, regional northeast trending, diabase dyke crosses the eastern portion of the property.

Structural features are difficult to define. Magnetic, I.P. and electromagnetic (pulse EM) responses all show a preferred orientation of 090 - 110°. Pulse EM anomalies, where drill tested, reflected shear or fault zones which may or may not be parallel to the dominant foliation. The northeast trending diabase dyke strikes at 070°. The strike and dip of the stratigraphy remains unresolved. Local features support both a steeply dipping and a flat-lying model. Distinct marker horizons have not been identified to date.

8.2 Lithologies

Approximately two thirds of all the extrusive volcanic rocks encountered are classified by Jenson Cation plots as calc-alkaline basalts. These rocks are generally dark green, massive to weakly foliated and medium to fine grained. The most common features are zones of chloritization and extensive areas of epidote spotting. Epidote and chlorite patches ranging in size from 1-2mm to 1-2cm form irregular spots of variable frequency. Locally, epidotized splotches resemble fragmental pillow selvages. These rocks appear to be both massive and pillowed flows. Locally, highly sheared, well-foliated and chloritized areas appear tuffaceous. Finer grained sections, especially where silicified, appear much more felsic. However, SiO_2 values stay in the 49-61% range.

Highly altered fragmental rocks of both intermediate and mafic composition are limited to several closely spaced drill holes. The matrix is almost exclusively basaltic with fragments ranging in composition from chlorite rich lapilli to intermediate and felsic fragments including chert and quartz vein fragments. Size

range of fragments averages from 1 to 3cm, packing ranges from very loose to tight to in-situ brecciation locally.

Intermediate volcanic rocks with 62-67% SiO_2 plot almost exclusively within the calc-alkaline andesite range of the Jenson Cation Plot. These rocks are medium green, massive, medium to fine grained and resemble the basalts. Finer grained varieties dominate and where they are more massive and silicified they often resemble felsic volcanics. Chloritization and local quartz carbonate veining is the most dominant alteration. Where the andesites are well-foliated they resemble tuffs.

Felsic volcanic rocks are rare. Hole DT-14-88 encountered a good section of tholeiitic rhyolite and dacite. Their origin, whether extrusive or intrusive, is not discernable. Most other felsic rocks are of clear intrusive origin. Several cherty bands in hole DT-17-88 are considered to be of felsic origin. The only other felsic rocks are numerous, narrow, 0.5 - 1.5m wide shears within which the central portion is highly bleached. These bands are highly siliceous and almost always weakly mineralized with pyrite, and/or chalcopyrite, sphalerite and trace gold. These shear-bands cut all the rock types encountered to date.

Mafic intrusive rocks encountered in the drill program are almost exclusively dark gray to black, medium to coarse grained, fairly massive gabbros of iron tholeiitic composition. They are almost always magnetic but may contain up to 15 to 20 percent pyrite as disseminated blebs and stringers. Finer grained, more silicified chilled margins are common and some very fine grained non-magnetic dykes are also present. Total differentiation between sill and dyke has not been possible to date.

Felsic intrusive rocks consist primarily of massive quartz feldspar porphyries which plot in the calc-alkaline dacite field. These rocks are brownish to pinkish grey with dominant white to ivory equant to indistinct feldspar phenocrysts averaging 3-5 mm in size in an aphanitic groundmass. Quartz phenocrysts are clear to grey, indistinct and less frequent. These porphyries are homogeneous except for local zones of secondary biotite, areas of chloritization and/or silicification and local quartz tourmaline veins with or without sulphides and gold. Veining which appears random in orientation is most prolific near major shear or fault zones.

Felsic porphyritic rocks nearly identical to these but with more than 70% SiO_2 form a distinct chemical subgroup. This subgroup, found only in association

with the dacitic porphyry, is always sheared and contains only diffuse or indistinct phenocrysts.

8.3 Alteration

Silicification, chloritization and epidotization have effected most of the rocks to some degree. Sulphide and gold enrichment and Na_2O depletion are prolific locally.

Silicification generally occurs in narrow shear zones 0.5 - 1m wide, as bleaching and silica flooding and as quartz veins from 1cm - 2m in width within the more competent volcanic rocks and the felsic intrusives and occasionally in the gabbros. Pervasive silicification is restricted to several holes in the immediate area of the alteration pipe (DT-17-88).

Chloritization is much more pervasive and, except for some porphyries and gabbros, is present to some degree in all rocks. Chloritization is most prolific in the immediate area of the alteration pipe (Line 1+20E - 0+60E @ 1+50S) and immediately to the west and south, especially in areas where shearing is prolific such as in hole DT-16-88 and where fragmental rocks dominate such as in holes DT-13-88 and DT-8-88.

Epidotization occurring primarily in the form of epidote spotting is common to most basaltic rocks and some andesites. Proliferation and size of alteration spots show some crude correlation with proximity to the alteration pipe zone.

The most noteable alteration is a pipe-like base metal enrichment zone with associated Na_2O depletion. Whole rock geochemical data shows rocks with progressive Na_2O depletion to shift from a primary calc-alkaline andesitic composition to a basaltic composition and the most altered rocks to an iron tholeiitic composition. This trend shows an increase in magnesium, iron and manganese. Base metal enrichment in this zone includes pyrite, sphalerite and chalcopyrite occurring predominantly as stringer type mineralization. Pyrrhotite was seen only in hole DT-8-88.

The main base metal Cu/Zn enriched pipe area is centred on Line 1+20E/1+50N and it has been traced by drilling for a width of at least 120m and possibly 360m to line 2+40W.

A second, more extensive Na_2O depletion zone is indicated along a 420m strike length on the south flank of the gold-bearing porphyry. This zone is less mineralized near surface but shows some increased Cu content with depth (ie. below 350m vertical). This zone, similar to the zone described previously, appears to plunge to the southeast. It is possible that this zone may be a faulted extension of the "pipe" zone.

8.4 Economic Geology

Diamond drilling to date has verified the existence of a previously indicated base metal alteration pipe zone, has identified additional areas of Na_2O depletion and anomalous base metal mineralization and has encountered significant gold mineralization in several locations.

The most prolific gold mineralization was intersected in holes DT-10-88, DT-18-88, DT-19-88, DT-20-88, amd DT-21-88 over a strike length of 120m and to a vertical depth of 300m (Tables I and III). Gold values up to 2.28 oz Au per ton over 1.0m were obtained from this zone. The gold is associated with pyrite and secondary chalcopyrite, galena and sphalerite in quartz-tourmaline veins and their adjacent silica-flooded areas within an extensive quartz-feldspar porphyry. This porphyry has been traced along strike for 300m and remains open at depth and along strike. The most prolific mineralization, 0.10 oz Au per ton over 12.0m, comes from the deepest hole (DT-21-88).

Significant gold mineralization is also encountered in holes DT-1-87, DT-8A-88, DT-13-88, DT-14-88 and DT-15-88. Mineralization in all cases is the same pyrite bearing quartz tourmaline veins regardless of the host rock.

Base metal mineralization encountered to date is restricted to anomalous quantities encountered primarily as stringer type sphalerite and minor chalcopyrite and galena veins (Table IV).

The most notable concentration in holes DT-6-87, DT-7-87, DT-12-88 and DT-17-88 define a crude alteration pipe like structure. Previous shallow drilling encountered values up to 1.33% Cu, 0.11% Zn and 0.92 oz Ag/ton for 77.0 feet (23m). Current drilling beneath the previous holes encountered values up to 0.45% Zn for 43.0m (141 feet). A crude metal zonation of copper near surface and zinc values at depth is apparent. This area also displays strong Na_2O depletion within and immediately adjacent to areas of stringer mineralization. Anomalous base metal

mineralization over narrow widths has also been encountered in holes DT-3-88, DT-4-87, DT-5-87, DT-8-88, DT-9-88 adjacent to the above pipe-like structure.

Hole DT-16-88 located 400m to the south of the pipe zone encountered 1.04% Zn over 1.0m in a strongly sheared fault zone. This area has not been tested previously.

Previous drilling also intersected anomalous zinc approximately 1000m east of the pipe zone. No further testing has been done in this area.

Extensive Na_2O depletion with minor Cu enrichment is also present along the southern flank of the porphyry for almost its entire known length. The alteration and mineralization patterns show increasing values to depth.

TABLE III

GOLD ASSAYS GREATER THAN 1000 PPB AU

Drill Hole #	Au oz/ton	Au ppb	Sample Width (cm)	Interval (metres) To	From
DT-1-87	0.400	2685	100	149.0	150.0
DT-4-87	0.014	1720	60	131.5	132.1
DT-5-87	0.034	1115	100	290.0	291.0
DT-6-87	<0.001	1025	30	247.7	248.0
DT-8A-88	0.215	6810	100	366.0	167.0
DT-10-88	0.062	1630	100	124.6	125.6
	0.068	2590	30	184.1	184.4
	0.032	1900	100	193.5	194.5
	2.280	67390	100	205.0	206.0
	0.156	5280	30	245.6	245.9
	0.067	2710	40	256.7	257.1
	0.034	1685	30	261.2	261.5
	0.004	3880	50	277.4	277.9
	0.052	4085	100	335.7	336.7
DT-11-88	(0.040)	1390	100	117.0	118.0*
	(0.074)	2565	40	126.7	127.1*
DT-13-88	0.197	6760	30	27.4	27.7
DT-14-88	0.770	15155	80	209.0	209.8
	0.037	1180	40	217.9	218.3
DT-15-88	0.142	3775	30	90.3	90.6
DT-16-88	0.019	1500	100	100.0	101.0
DT-17-88	0.040	1600	50	102.0	102.5
DT-18-88	(0.157)	5410	30	47.8	48.1*
	0.057	1100	40	57.1	57.5
	0.044	1620	30	68.9	69.2
	0.143	5380	40	100.8	101.2
	0.146	>20000	30	101.2	101.5
	0.121	6830	120	102.2	103.4
	0.066	3750	110	106.2	107.3
	0.084	2560	110	116.5	117.6

Drill Hole #	Au oz/ton	Au ppb	Width (cm)	(metres) To	From
DT-19-88	0.164	14270	30	74.8	75.1
	(0.058)	1980	30	91.0	91.3*
	0.126	5310	30	114.0	114.3
	0.145	6580	100	132.0	133.0
	0.087	1245	30	145.3	145.6
	0.074	2645	30	157.7	158.0
	0.149	3665	60	160.2	160.8
	0.193	>20000	50	226.0	226.5
	0.303	>20000	50	227.3	227.8
	0.052	1640	100	227.8	228.8
DT-20-88	0.037	1310	150	61.2	62.7
	(0.30)	10365	30	136.8	137.1*
	0.042	1080	40	138.5	138.9
	0.008	1110	40	142.5	142.9
	0.189	10800	50	204.5	205.0
DT-21-88	0.741	9870	40	277.5	277.9
	0.213	3570	70	310.5	311.2
	0.039	1105	40	311.8	312.2
	0.111	3645	50	314.6	315.1
	1.226	19860	70	319.2	319.9

* Not re-assayed

TABLE IV

BASE METAL ASSAYS GREATER THAN 1000 PPM

Drill Hole #	% Cu	% Zn	Sample Width (cm)	Interval (metres) To	From
DT-3-87	0.23	1.34	0.60	110.0	110.6
	0.40		1.00	128.0	129.0
		0.31	1.00	181.0	182.0
DT-4-87		0.26	0.30	49.0	49.3
	0.12		0.40	337.6	338.0
DT-5-87		0.76	0.80	95.0	95.8
	0.34		1.00	164.0	165.0
	0.12		0.30	179.0	179.3
		0.15	0.60	243.7	244.3
DT-6-87	0.24		1.00	125.0	126.0
	0.10		0.30	126.5	127.5
		0.42	38.7	151.0	189.7
		0.72	0.60	210.9	211.5
DT-7-88	1.04	0.47	0.40	107.8	108.2
		0.197	1.00	189.0	190.0*
		0.45	43.00	208.0	251.0
		0.30	1.00	262.5	263.5
DT-8-88		0.16	1.00	108.5	109.5
	0.12		1.00	241.2	242.2
		0.14	0.50	284.0	284.5
	0.29		1.00	285.0	286.0
DT-9-88		0.18	1.00	63.0	64.0
		0.17	1.00	76.0	77.0
		0.45	1.00	109.5	110.5
		1.54	0.30	139.0	139.3
DT-12-88		0.18	1.00	63.0	64.0*
	0.28		1.00	64.0	65.0*
	0.46		1.00	71.0	72.0*
DT-14-88		0.23	0.40	189.3	189.7
DT-16-88		0.11	1.00	114.0	115.0
	0.13		0.60	125.0	125.6
		0.28	0.40	130.0	130.4
	0.38		1.00	130.7	131.7
		1.04	1.00	252.0	253.0
		0.22	1.00	253.0	254.0
DT-17-88	0.21		0.40	173.8	174.2
		0.19	2.00	176.0	178.0
		1.09	1.20	178.0	179.2
		0.19	1.30	179.2	180.5
	0.11	0.26	2.00	308.0	310.0
		0.16	1.00	313.0	314.0

Drill Hole #	% Cu	% Zn	Sample Width (cm)	Interval (metres) To	From
DT-19-88	0.13		0.70	68.8	69.5
DT-21-88		0.15	1.00	115.0	116.0

* Not re-assayed.

9.0 CONCLUSIONS

The Daniel property retains its high potential for hosting base metal mineralization of economic tonnage and grade and has now an added excellent potential for hosting gold mineralization of economic tonnage and grade as well.

The lack of readily recognizable marker horizons and the extensive alteration suggest a near vent facies, structurally complex, local environment.

The pipe like stringer base metal zone remains open down plunge to the southwest.

The main gold-bearing porphyry zone remains open along strike and down dip, appearing to improve with depth.

Extensive Na_2O depletion along the south flank of the porphyry increases at depth and may suggest a more extensive alteration zone at greater depth.

Sporadic base and precious metal values encountered elsewhere on the property support the high, untested potential of this property.

10.0 RECOMMENDATIONS

The author highly recommends the continuation of an extensive program of systematic diamond drill testing supported by additional magnetic and I.P. geophysical surveying.

1) Additional surface exploration including linecutting, magnetic and I.P. surveys are proposed to more fully explore the northwestern portion of the property west of hole DT-14-88 and the northern extension of the gold-bearing porphyry zone.

2) Additional diamond drilling is proposed with three specific areas of focus.

   (a) The gold-bearing porphyry which should be tested both along strike and down dip;

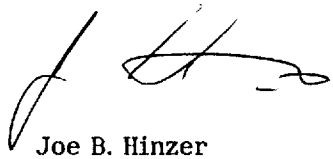
   (b) Continued drilling to follow the Na_2O depleted zones and the alteration pipe zone down plunge on the south flank of the porphyry and west of the pipe structure at line 1+20E.

   (c) The drilling of other untested geophysical targets and follow-up on other anomalous targets outlined by previous drilling.

11.0 COSTS

Field Surveys		
Linecutting (15km @ $250)	3,750	
Magnetic Survey (15km @ $80)	1,200	
I.P. Survey (15km @ $800)	12,000	16,950
Diamond Drilling		
(a) Gold Zone (5000 m)		
(b) Base Metal Zone (3000m)		
(c) Anomalous Zones (2000m)		
10,000m @ $90/metre		900,000
Supervision (Field Geology & Core)		
Splitter (6 months) @	60,000	
Assays & Surveys	30,000	
Report Preparation and Supervision	25,000	
Travel/Accommodation	10,000	125,000
Contingencies		58,050
TOTAL		1,100,000

Respectfully submitted...



Joe B. Hinzer

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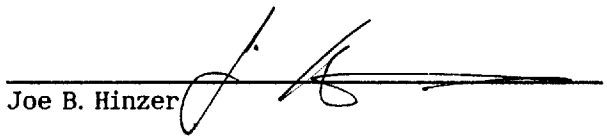
CERTIFICATE

I, JOE B. HINZER, am a consulting geologist and reside at 6455 Stamford Green Drive in the City of Niagara Falls, Ontario.

I have been practising my profession for fifteen years and am a graduate of the University of Waterloo, 1971 B.Sc. and the University of Western Ontario, 1977 M.Sc. and am a Fellow of the Geological Association of Canada.

The author has not personally visited the property as the entire claim area is extensively overburden covered. The information for this report is based on data and reports provided by J. Stoch, private company reports, government and assessment file reports and the author's personal knowledge of the Matagami camp having performed and supervised exploration projects during 1978-1980.

The author warrants that he has not directly or indirectly received or expects to receive any interest direct or indirect in the property of the company or of any affiliate or beneficially owns directly or indirectly any securities of the company or any affiliate, except for 400 shares held in an RRSP account.



Joe B. Hinzer

APPENDIX I

LIST OF CLAIMS

LIST OF CLAIMS

Township	Expire Date	Licence Number	Claim Number	Area Ha
Daniel unsurveyed	August 1, 1989	374016	1 2 3 4 5	80.00
Daniel unsurveyed	August 2, 1989	374017	1 2 3 4 5	80.00
Daniel unsurveyed	August 3, 1989	374018	1 2 3 4	64.00
Daniel unsurveyed	October 6, 1989	465809	1 2 3 4 5	80.00
Daniel unsurveyed	October 7, 1989	465810	1 2 3 4 5	66.00
	5 licences		24 claims	370.00

APPENDIX II

WHOLE ROCK GEOCHEMISTRY DATA

NOTE REFERENCE CODE

(for Jensen Cation Plots used on DDH sections)

RC or CR	Calc-alkaline	Rhyolite
DC or CD	Calc-alkaline	Dacite
AC or CA	Calc-alkaline	Andesite
BC or CB	Calc-alkaline	Basalt
TR	Tholeiitic	Rhyolite
TD or DT	Tholeiitic	Dacite
TB or BT	Tholeiitic	Basalt
FT	Iron Rich Basalt	
MT	High Magnesium Basalt	

XRAL

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SAMPLE \ %		SIO2	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	MNO	TIO2	P2O5	CR2O3	LOI	SUM
05176		67.2	14.8	3.41	2.29	1.88	1.26	4.93	0.11	0.64	0.14	0.01	2.85	99.6
05177		51.1	13.4	10.6	4.25	0.10	0.01	14.8	0.27	1.57	0.19	0.01	3.62	100.0
05178		65.0	16.6	4.69	1.48	5.74	0.42	3.36	0.10	0.40	0.11	0.01	1.77	99.8
05179		59.3	15.1	5.12	6.15	2.94	0.11	7.19	0.12	0.64	0.12	0.02	3.16	100.0
05180		64.1	16.6	4.70	1.90	5.23	0.72	3.65	0.05	0.41	0.10	0.01	2.08	99.7
05181		60.4	15.4	4.10	6.00	1.73	0.91	6.73	0.15	0.62	0.12	0.02	4.16	100.4
05182		59.4	14.8	5.98	5.27	2.13	0.72	6.45	0.15	0.62	0.12	0.02	3.85	99.6
05183	DT-1-87	63.9	16.3	4.98	1.51	5.12	1.51	3.14	0.05	0.38	0.10	<0.01	3.08	100.2
05184		60.8	14.8	4.59	5.70	2.87	0.44	5.43	0.10	0.65	0.12	0.03	4.23	99.8
05185		62.4	16.6	5.90	2.56	4.87	0.52	4.38	0.08	0.47	0.11	0.02	2.39	100.4
05186		58.8	15.3	7.56	5.23	2.72	0.31	6.14	0.12	0.52	0.10	0.03	3.00	99.9
05187		60.3	14.3	5.43	5.39	2.96	0.24	5.70	0.13	0.57	0.11	0.03	4.54	99.8
05188		57.9	14.3	5.51	4.54	2.37	0.58	5.57	0.12	0.55	0.11	0.02	8.47	100.1
05189		49.2	12.3	6.65	3.81	1.72	0.02	17.4	0.29	1.97	0.21	<0.01	6.47	100.1
05190		62.1	13.9	5.47	2.46	2.98	1.43	4.33	0.13	0.46	0.11	<0.01	6.08	99.5
05191		60.0	14.9	5.11	4.98	2.75	1.11	6.73	0.11	0.62	0.13	0.02	3.23	99.8
05192		62.7	15.4	3.81	3.79	2.75	1.57	5.77	0.09	0.64	0.14	0.03	3.16	99.9
05193		65.3	16.1	4.76	1.51	5.35	1.14	3.36	0.05	0.39	0.11	0.01	2.08	100.3
05194		63.4	16.3	5.45	2.42	4.84	0.77	3.99	0.08	0.42	0.10	0.02	2.00	99.9
05195		45.7	13.8	9.42	8.29	2.11	0.15	8.83	0.16	0.72	0.22	0.08	10.6	100.1
05196		65.0	16.8	4.21	1.73	5.13	1.14	3.28	0.05	0.38	0.10	0.01	2.23	100.2
05197	DT-2-87	61.9	14.1	4.78	4.30	4.03	0.29	6.94	0.13	0.65	0.13	0.01	2.93	100.2
05198		58.1	16.7	7.48	3.55	2.46	1.01	6.27	0.13	0.65	0.13	0.02	2.93	99.5
05199		68.2	11.9	3.91	2.83	1.79	1.57	4.81	0.07	0.46	0.09	<0.01	3.47	99.2
05200		66.1	13.4	3.41	2.65	1.47	1.56	4.83	0.10	0.56	0.11	<0.01	4.00	98.3
05201		62.6	16.5	5.08	1.78	5.03	1.14	3.51	0.07	0.40	0.11	<0.01	3.16	99.5
05202		67.4	13.8	3.01	3.06	2.68	0.97	5.48	0.13	0.53	0.10	<0.01	2.54	99.8
05203		65.3	14.3	2.73	3.13	2.55	1.34	6.62	0.16	0.55	0.10	<0.01	2.93	99.8
05204		49.9	15.1	4.39	9.66	2.25	0.09	10.1	0.16	0.78	0.23	0.11	7.00	99.8
05205	DT-3-87	62.9	16.4	4.71	1.63	4.73	1.18	3.46	0.07	0.40	0.11	<0.01	4.31	100.0
05206		45.8	12.9	6.65	4.43	1.66	0.46	14.4	0.19	1.88	0.21	<0.01	8.08	96.7
05207		67.5	13.7	4.61	1.95	3.40	0.66	5.72	0.09	0.67	0.16	0.01	1.93	100.5
05208		65.6	13.4	4.08	2.41	2.69	0.77	6.51	0.07	0.64	0.15	0.01	3.93	100.3
05209		45.9	19.6	8.88	9.24	1.27	0.28	8.20	0.12	0.43	0.09	0.02	5.54	99.6
05210		62.2	13.8	4.79	3.88	1.04	1.42	8.09	0.21	0.62	0.12	0.02	3.39	99.7
05211		63.2	16.8	5.24	1.91	4.73	1.02	4.46	0.08	0.55	0.13	<0.01	2.16	100.4
05212		59.0	15.1	2.38	3.60	1.19	2.47	8.30	0.05	0.72	0.14	<0.01	6.39	99.4
05213		61.1	15.0	6.11	3.97	1.56	1.42	6.13	0.18	0.57	0.13	0.01	3.16	99.4
05214		58.1	15.7	4.03	6.51	2.73	0.49	8.42	0.18	0.78	0.15	<0.01	3.39	100.5
05215	DT-4-87	49.3	12.3	8.35	4.09	1.85	0.23	17.7	0.25	1.92	0.22	<0.01	2.77	99.0
05216		49.2	15.9	7.41	5.27	2.09	1.17	9.50	0.24	0.93	0.18	<0.01	6.77	98.7

XRAL

XRF - WHOLE ROCK ANALYSIS - 11-JAN-88 REPORT 3391 REFERENCE FILE 30669

SAMPLE \ PPM		RB	SR	Y	ZR	NB	BA	CU PPM	ZN PPM
05176		45	107	17	152	13	427	40	94
05177		12	182	37	87	23	<10	18	181
05178		<10	428	11	70	15	167	34	56
05179		<10	171	<10	110	30	58	27	99
05180		34	522	<10	63	<10	326	14	66
05181		39	131	<10	101	<10	301	10	137
05182		23	175	<10	93	20	220	23	110
05183		42	394	<10	61	<10	394	32	56
05184		21	201	<10	116	13	200	27	85
05185	DT-1-87	28	499	<10	57	<10	166	23	82
05186		11	330	16	78	26	127	<10	121
05187		14	177	21	110	16	132	21	184
05188		19	195	<10	102	15	187	13	112
05189		<10	65	33	131	17	34	47	238
05190		56	243	<10	73	15	433	14	78
05191		33	183	26	94	<10	257	29	99
05192		49	216	18	95	11	402	20	86
05193		21	452	<10	78	<10	319	16	48
05194		27	446	<10	58	19	293	48	70
05195		30	262	12	61	16	100	63	204
05196		36	564	21	66	<10	416	18	55
05197		13	222	<10	118	<10	108	28	119
05198	DT-2-87	37	195	<10	94	26	310	79	100
05199		52	122	21	193	14	419	35	79
05200		46	169	22	212	11	464	16	65
05201		41	515	<10	73	<10	337	13	64
05202		47	249	26	215	15	387	<10	97
05203		46	210	23	252	25	461	12	100
05204		14	169	14	84	23	81	11	177
05205	DT-3-87	31	420	<10	62	13	286	18	41
05206		31	144	29	93	16	116	183	213
05207		28	253	15	181	20	161	29	92
05208		17	181	<10	185	27	253	13	78
05209		<10	256	17	<10	14	69	101	128
05210		44	93	<10	126	14	412	93	291
05211		26	536	<10	72	11	293	10	64
05212		61	80	22	131	20	571	17	56
05213		40	148	<10	106	17	484	35	125
05214	DT-4-87	37	160	<10	110	19	111	35	180
05215		23	92	36	129	<10	74	47	170
05216		24	147	23	101	21	184		

SAMPLE \ %		SIO2	AL203	CAO	MGO	NA2O	K2O	FE203	MNO	TIO2	P2O5	CR2O3	LOI	SUM
05217		60.0	15.1	4.15	3.20	2.16	1.48	7.11	0.09	0.75	0.15	0.02	4.77	99.1
05218		60.5	14.4	5.60	4.34	2.58	0.70	7.82	0.20	0.71	0.14	0.02	2.16	99.2
05219	DT-5-88	59.3	16.4	5.89	3.05	4.55	0.84	5.99	0.10	0.61	0.16	<0.01	2.16	99.2
05220		58.5	13.9	5.79	4.43	1.01	0.96	10.4	0.28	0.66	0.13	0.01	3.08	99.2
05221		65.5	12.7	3.56	2.96	2.23	1.36	5.97	0.13	0.52	0.10	<0.01	3.85	99.0
05222		50.2	15.3	6.50	4.63	1.76	0.92	14.7	0.27	1.23	0.19	<0.01	3.77	99.5
05223		58.0	15.5	4.42	4.68	2.06	0.76	8.64	0.21	0.57	0.14	0.01	3.39	98.5
05224		61.4	14.2	5.11	3.57	3.45	0.68	6.72	0.17	0.69	0.14	0.02	3.23	99.4
05225		56.7	15.6	6.27	5.67	4.01	0.29	7.19	0.17	0.64	0.13	0.02	2.62	99.4
05226		46.6	13.8	8.15	8.65	2.92	0.15	9.20	0.16	0.75	0.23	0.10	8.77	99.5
05227	DT-6-88	60.5	14.5	4.74	3.93	4.20	0.62	7.34	0.18	0.72	0.14	0.02	2.39	99.3
05228		62.3	15.7	4.89	2.26	4.88	0.74	4.01	0.08	0.45	0.11	0.02	3.08	98.6
05229		57.5	14.9	5.30	3.98	1.59	1.82	7.68	0.17	0.72	0.15	<0.01	4.93	98.8
05230		56.4	16.7	7.50	4.54	2.71	0.22	6.66	0.17	0.56	0.12	0.01	3.00	98.6
14780		60.1	12.5	2.01	3.82	0.30	1.34	12.9	0.33	0.59	0.12	<0.01	3.93	97.8
05231		63.0	15.7	6.51	2.30	2.75	0.59	5.30	0.11	0.58	0.14	0.02	2.23	99.3
05232		66.5	16.0	3.98	1.34	5.31	0.57	3.21	0.05	0.36	0.10	0.01	1.70	99.2
05233		55.7	14.7	6.46	4.36	2.33	0.61	8.71	0.23	0.76	0.15	0.01	4.31	98.4
05234	DT-7-88	56.9	15.6	4.02	4.51	1.28	1.62	9.01	0.21	0.93	0.18	<0.01	4.00	98.3
05235		69.2	12.2	0.93	2.92	0.45	1.74	8.60	0.23	0.51	0.10	<0.01	3.31	100.3
05236		57.5	13.9	0.65	4.79	0.30	1.41	15.0	0.38	0.73	0.14	<0.01	4.54	99.4
05237		58.8	15.0	5.58	4.25	2.87	0.38	7.42	0.14	0.71	0.14	0.02	3.62	99.0
14779		60.3	12.6	0.46	4.14	0.14	1.29	14.0	0.33	0.65	0.12	<0.01	4.85	99.0
05238		63.7	16.1	4.72	1.63	4.96	0.90	3.45	0.07	0.42	0.11	0.01	2.31	98.5
05239		49.0	12.3	7.89	4.70	2.40	0.16	16.2	0.23	1.79	0.20	0.01	3.54	98.5
05240		65.9	13.7	2.29	2.65	0.75	2.97	6.09	0.07	0.57	0.09	0.01	3.31	98.5
05241		61.0	14.1	5.09	4.22	1.08	1.24	8.29	0.19	0.58	0.12	0.05	3.70	99.7
14781		60.0	15.4	4.03	3.03	1.78	1.35	8.71	0.24	0.78	0.14	<0.01	3.16	98.7
14782		59.3	15.5	3.96	4.12	3.07	0.65	8.56	0.21	0.82	0.16	<0.01	3.31	99.7
14783		63.4	15.9	5.29	2.47	4.70	0.54	4.25	0.10	0.44	0.11	0.01	2.85	100.1
14784		46.9	9.75	7.58	12.1	0.35	0.20	8.36	0.21	0.60	0.26	0.19	12.2	98.8
14785	DT-8-88	59.7	15.5	5.45	3.04	1.94	1.41	7.24	0.16	0.57	0.13	<0.01	3.70	98.9
14788		57.4	13.9	0.67	4.89	0.20	1.35	14.3	0.39	0.66	0.13	0.01	4.93	98.9
14789		63.8	15.2	1.90	2.85	0.67	2.52	7.78	0.23	0.61	0.14	<0.01	3.54	99.4
14790		60.6	15.2	6.40	2.61	2.01	0.91	6.03	0.16	0.56	0.13	<0.01	4.16	98.8
05242		65.6	14.9	4.67	1.73	4.20	0.67	4.45	0.08	0.52	0.11	0.01	3.00	100.0
05243		72.8	13.6	1.94	0.98	1.40	2.41	2.75	0.06	0.51	0.09	0.01	1.93	98.6
05244	DT-9-88	70.2	12.7	1.97	1.77	2.27	1.72	5.10	0.09	0.49	0.09	0.01	2.54	99.0
05245		45.9	14.0	10.4	8.59	3.33	1.41	8.89	0.17	0.68	0.32	0.06	5.47	99.3
05246		50.3	12.4	7.72	3.44	2.12	0.27	17.2	0.22	1.92	0.25	<0.01	2.54	98.4

SAMPLE \ PPM		RB	SR	Y	ZR	NB	BA
05217		48	162	21	114	16	461
05218		28	133	22	107	18	180
05219	DT-5-87	31	537	26	85	18	294
05220		46	69	<10	124	21	250
05221		54	72	<10	190	15	315
05222		31	102	17	136	17	303
05223		23	177	13	96	11	329
05224		31	142	<10	111	18	238
05225		23	232	<10	88	19	95
05226		14	190	19	53	19	70
05227	DT-6-87	32	146	<10	109	16	111
05228		24	493	<10	77	<10	275
05229		48	82	10	103	27	307
05230		25	247	11	81	21	93
14780		33	<10	<10	130	12	452
05231		23	324	<10	85	22	174
05232		35	471	<10	66	14	273
05233		27	163	12	99	12	230
05234	DT-7-87	44	105	<10	131	18	426
05235		49	13	18	188	17	621
05236		41	<10	<10	126	28	525
05237		26	187	<10	112	28	162
14779		35	<10	<10	98	12	488
05238		40	491	<10	68	20	387
05239		14	255	22	96	27	79
05240		66	38	21	94	14	707
05241		37	121	22	108	15	295
14781		39	132	26	111	<10	455
14782		16	164	21	100	15	224
14783	DT-8-88	24	458	<10	56	14	183
14784		21	222	13	81	20	109
14785		44	273	13	106	18	398
14788		48	<10	<10	117	16	583
14789		54	63	<10	114	14	856
14790		38	209	<10	85	10	297
05242		33	372	<10	126	<10	221
05243		67	95	24	225	<10	222
05244	DT-9-88	60	95	18	190	16	296
05245		44	562	23	91	25	295
05246		14	113	34	152	17	93

XRAL

XRF - WHOLE ROCK ANALYSIS 21-MAR-88 REPORT 4290 REFERENCE FILE 31573

SAMPLE \ PPM		RB	SR	Y	ZR	NB	BA
05247		38	341	12	123	14	149
05248		17	291	14	115	<10	102
05249		26	477	15	58	<10	287
05250		31	94	<10	103	21	249
14751		32	137	<10	88	15	196
14752	DT-10-88	51	394	<10	55	22	361
14753		35	460	<10	65	<10	368
14754		42	537	<10	64	17	306
14755		30	556	15	58	<10	328
14756		47	520	19	53	14	381
14757		74	145	24	118	14	418
14758		<10	30	<10	88	12	587
14759		33	112	14	33	12	340
14760		29	153	26	108	11	185
14761		22	427	<10	53	17	340
14762		40	165	29	155	17	421
14763		49	252	13	101	<10	253
14764		75	53	<10	31	13	462
14765		18	88	26	75	10	94
14766	DT-11-88	62	13	<10	82	<10	676
14767		75	62	15	90	12	1540
14768		53	115	12	85	22	529
14769		41	106	<10	115	17	415
14770		26	134	13	118	23	185
14786		71	52	14	130	<10	648

XRAL

XRF - WHOLE ROCK ANALYSIS 21-MAR-88 REPORT 4290 REFERENCE FILE 31573

SAMPLE \ %		SIO2	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	MNO	TIO2	P2O5	CR2O3	LOI	SUM
05247		59.1	14.5	6.51	3.77	4.37	0.33	7.94	0.12	1.73	0.19	0.03	1.47	100.1
05248		53.8	13.6	7.71	4.31	3.18	0.29	12.6	0.20	2.02	0.20	0.02	1.85	99.8
05249		61.8	16.5	5.59	2.31	5.47	0.80	4.86	0.08	0.51	0.12	0.02	1.85	100.0
05250		61.3	14.8	6.05	3.26	2.01	1.32	7.17	0.11	0.71	0.13	0.02	1.85	98.8
14751		55.6	14.5	6.40	6.01	2.29	0.82	8.97	0.15	0.64	0.13	0.04	2.70	98.3
14752	DT-10-88	61.9	15.3	4.89	3.15	4.49	1.32	4.69	0.09	0.45	0.10	0.02	2.70	99.2
14753	DT-10-88	63.4	16.0	4.62	1.77	5.14	1.06	3.51	0.06	0.41	0.10	0.02	3.08	99.3
14754	DT-10-88	62.8	16.4	4.38	1.85	5.30	0.82	3.58	0.06	0.41	0.11	0.02	2.46	98.3
14755	DT-10-88	62.1	16.9	4.43	1.84	5.25	1.04	3.64	0.06	0.42	0.11	0.01	2.39	98.3
14756	DT-10-88	64.3	16.4	4.16	1.71	5.31	1.06	3.34	0.05	0.38	0.10	0.01	1.47	98.4
14757		58.8	15.1	5.09	5.47	0.84	2.00	6.55	0.10	0.63	0.13	<0.01	3.77	98.6
14758		65.3	14.6	0.97	1.35	0.97	3.06	8.05	0.12	0.53	0.10	0.02	4.08	99.2
14759		75.2	14.3	1.35	0.37	5.85	1.22	0.86	0.02	0.14	0.05	0.01	1.08	100.5
14760		59.0	14.6	6.24	4.69	1.36	0.82	7.77	0.13	0.70	0.14	0.01	3.54	99.1
14761		67.5	16.1	3.28	1.25	5.76	0.79	2.79	0.04	0.31	0.09	0.01	1.54	99.6
14762		61.2	14.3	5.39	3.89	1.94	1.55	6.57	0.10	0.61	0.13	0.03	3.08	98.9
14763		56.7	14.9	5.82	5.78	2.12	1.09	8.23	0.15	0.67	0.18	0.03	3.39	99.1
14764		71.9	14.5	1.14	0.99	2.13	2.62	2.99	0.03	0.20	0.06	0.01	2.31	99.0
14765	DT-11-88	47.0	12.3	8.77	4.44	2.52	0.37	18.4	0.27	2.11	0.17	<0.01	1.70	98.1
14766	DT-11-88	64.0	12.7	0.81	3.99	0.22	2.34	8.91	0.19	0.61	0.11	0.02	4.70	98.7
14767	DT-11-88	63.3	15.5	2.20	2.41	0.41	3.59	5.72	0.13	0.69	0.13	0.02	4.00	98.3
14768	DT-11-88	57.7	14.5	3.39	5.65	0.93	1.96	8.31	0.12	0.65	0.13	0.03	4.93	98.4
14769		59.0	15.4	3.37	5.09	2.64	1.41	6.60	0.14	0.67	0.14	0.03	3.77	98.3
14770		58.1	14.6	6.36	4.58	2.90	0.65	7.41	0.17	0.68	0.13	0.02	2.70	98.4
14786		53.3	12.8	4.85	2.69	0.67	2.64	12.3	0.14	0.57	0.11	0.01	7.16	97.3

XRAL

XRF - WHOLE ROCK ANALYSIS 25-MAR-88 REPORT 4353 REFERENCE FILE 31724

SAMPLE \ %		SIO2	AL203	CAO	MGO	NA2O	K2O	FE203	MNO	TIO2	P2O5	CR2O3	LOI	SUM
14771		64.6	16.4	1.55	1.84	5.40	1.38	4.51	0.04	0.45	0.12	<0.01	3.16	99.5
14772		49.0	12.6	8.25	3.85	0.76	0.09	17.7	0.29	2.05	0.21	<0.01	3.70	98.5
14773		64.7	13.0	4.23	3.17	1.19	1.14	7.95	0.17	0.56	0.11	<0.01	3.00	99.3
14774		64.6	13.7	4.95	2.73	1.77	1.27	6.45	0.17	0.58	0.11	<0.01	2.77	99.2
14775		62.8	16.7	5.17	1.38	5.29	0.85	3.85	0.07	0.43	0.11	<0.01	2.16	98.9
14776	DT-12-88	67.5	13.4	3.81	2.38	1.52	1.39	4.77	0.09	0.52	0.10	<0.01	2.85	98.4
14777	DT-12-88	64.0	13.4	5.21	2.24	1.95	0.83	7.02	0.15	0.76	0.15	<0.01	2.85	98.7
14778	DT-12-88	57.1	15.2	5.10	4.59	2.71	0.48	9.04	0.21	0.79	0.15	<0.01	3.39	98.8
14787		34.7	13.9	6.92	8.74	0.10	0.17	19.7	0.41	0.53	0.12	0.02	7.08	92.4
14791		49.0	13.6	5.51	4.20	1.82	0.94	14.3	0.23	1.43	0.18	0.01	4.39	95.7
14792		64.3	16.7	3.91	1.40	6.22	0.98	3.47	0.06	0.40	0.11	<0.01	2.93	100.6
14793		60.1	14.9	5.60	4.00	0.82	1.36	7.39	0.14	0.73	0.14	<0.01	3.23	98.5
14794		59.9	14.8	6.41	3.85	1.33	1.15	6.84	0.19	0.72	0.14	0.01	3.31	98.7
14795		52.7	15.9	8.41	4.39	0.86	1.01	10.2	0.27	0.77	0.15	<0.01	4.16	98.9
14796	DT-13-88	58.0	12.8	10.6	3.46	1.28	0.54	6.51	0.20	0.61	0.13	<0.01	5.08	99.3
14797	DT-13-88	62.6	16.4	5.60	2.14	5.31	0.49	4.29	0.08	0.49	0.12	<0.01	1.77	99.4
14798	DT-13-88	61.3	14.6	6.37	3.92	1.14	1.24	5.87	0.15	0.64	0.13	0.02	3.77	99.2
14799	DT-13-88	56.9	15.8	7.18	4.24	1.05	0.84	8.39	0.21	0.76	0.15	<0.01	3.62	99.2
14800	DT-13-88	66.9	13.0	4.72	2.52	0.78	1.40	5.93	0.20	0.53	0.11	<0.01	3.00	99.2
48926		61.8	14.0	5.72	3.61	0.99	1.07	6.72	0.21	0.61	0.12	0.02	3.47	98.4

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES

XRAL

XRF - WHOLE ROCK ANALYSIS 25-MAR-88 REPORT 4353 REFERENCE FILE 31724

SAMPLE \ PPM		RB	SR	Y	ZR	NB	BA
14771		50	263	<10	77	<10	346
14772		25	102	29	96	17	46
14773		38	81	27	183	19	345
14774		47	94	25	188	17	504
14775	DT-12-88	47	473	<10	46	<10	317
14776		38	122	23	213	20	448
14777		38	171	21	167	15	349
14778		43	180	20	105	14	207
14787		<10	34	<10	135	32	184
14791		31	135	24	106	11	272
14792		35	358	<10	71	<10	295
14793		54	134	14	118	18	330
14794		24	121	25	108	17	331
14795	DT-13-88	22	151	25	106	20	345
14796		22	163	14	93	33	140
14797		18	556	<10	65	19	260
14798		25	163	<10	107	28	260
14799		35	200	13	124	14	291
14800		38	100	31	188	17	455
48926		30	140	17	127	13	332

XRAL

XRF - WHOLE ROCK ANALYSIS 25-APR-88 REPORT 4716 REFERENCE FILE 1032

SAMPLE \ %		SIO2	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	MNO	TIO2	P2O5	CR2O3	LOI	SUM
B48927		61.4	15.8	4.56	3.02	3.50	0.90	6.17	0.09	0.68	0.12	0.17	3.62	100.1
B48928		45.6	13.6	8.37	3.68	1.72	0.04	16.5	0.23	2.58	0.51	<0.01	6.93	99.8
B48929		59.4	14.1	5.59	3.81	1.74	1.32	6.67	0.14	0.73	0.14	0.01	5.08	98.8
B48930		64.4	14.2	4.36	1.80	2.51	1.22	7.25	0.20	0.90	0.18	0.03	3.00	100.1
B48931	DT-14-88	66.0	13.4	4.10	1.22	4.24	0.97	5.54	0.11	0.90	0.19	<0.01	2.85	99.6
B48932		67.3	13.2	4.22	1.02	4.06	1.03	4.79	0.10	0.86	0.20	0.01	2.47	99.4
B48933		62.4	16.7	5.45	2.10	5.10	0.84	4.17	0.08	0.48	0.13	0.02	2.70	100.3
B48934		65.8	13.7	4.06	1.28	3.21	1.06	6.34	0.12	0.91	0.19	0.02	3.47	100.3
B48935		63.5	16.6	4.81	1.91	5.03	0.63	3.93	0.07	0.46	0.11	0.01	2.70	99.9
B48936		64.5	14.3	4.54	2.08	3.08	0.54	7.26	0.15	0.87	0.18	<0.01	2.62	100.2
B48937		60.9	15.4	5.89	3.53	2.76	0.36	6.72	0.14	0.56	0.13	0.02	3.70	100.2
B48938		64.4	16.3	4.66	1.61	4.62	1.37	3.28	0.06	0.41	0.10	0.01	4.00	100.9
B48939		63.5	14.5	3.71	3.70	0.99	1.37	6.56	0.16	0.59	0.12	0.01	4.23	99.5
B48940		61.0	15.1	7.39	2.91	2.32	0.49	6.13	0.13	0.54	0.12	0.01	4.16	100.4
B48941	DT-15-88	56.3	15.3	4.91	4.84	1.59	0.66	7.45	0.12	0.70	0.14	0.01	7.62	99.7
B48942		63.1	14.4	4.25	3.13	1.99	0.58	7.05	0.12	0.61	0.11	0.02	4.54	100.0
B48943		64.3	14.8	4.06	2.22	1.32	1.44	5.90	0.13	0.52	0.09	<0.01	4.54	99.4
B48944		68.8	13.5	3.29	2.10	1.59	1.02	3.86	0.09	0.61	0.12	<0.01	4.39	99.5
B48945		66.5	15.1	1.76	2.52	1.65	0.42	7.34	0.11	0.54	0.09	<0.01	3.54	99.6
B48946		70.2	12.8	3.37	1.50	2.61	0.66	4.05	0.09	0.54	0.10	0.01	3.31	99.3
B48947		45.5	11.9	9.54	5.46	0.96	0.29	13.9	0.25	1.39	0.21	<0.01	10.8	100.2
B48948		64.9	14.2	3.62	2.32	3.29	1.24	4.61	0.11	0.55	0.12	0.02	5.31	100.4
B48949		61.8	13.7	5.03	3.21	2.05	1.57	5.69	0.17	0.62	0.13	0.02	6.39	100.5
B48950		60.3	13.8	4.94	3.60	1.77	1.69	5.81	0.19	0.63	0.13	0.02	6.70	99.7
B48951		61.7	13.1	4.22	3.18	1.90	1.74	5.99	0.15	0.69	0.14	0.01	6.47	99.4
B48952	DT-16-88	59.3	14.3	4.56	4.57	1.97	1.19	5.90	0.12	0.65	0.12	0.02	7.54	100.3
B48953		57.2	14.2	5.67	4.35	3.53	0.57	5.90	0.09	0.59	0.11	0.02	8.00	100.3
B48954		49.6	12.5	7.81	3.93	1.61	0.02	16.5	0.23	1.85	0.19	<0.01	5.54	99.8
B48955		56.3	14.0	5.09	5.16	3.44	0.61	6.46	0.10	0.63	0.11	0.03	7.54	99.5
B48956		62.4	13.5	4.01	2.40	1.19	1.75	6.14	0.12	0.68	0.14	<0.01	6.54	98.9
B48957		65.6	16.2	4.06	1.56	4.75	1.10	3.23	0.05	0.37	0.10	0.01	2.39	99.5
B48958		66.7	15.9	4.32	1.53	4.89	1.01	3.27	0.06	0.38	0.10	0.02	1.85	100.1
B48959		64.3	16.4	4.45	1.61	5.24	1.14	3.40	0.06	0.41	0.11	0.01	2.85	100.1
B48960		62.2	15.8	5.82	3.03	2.56	1.09	5.37	0.19	0.58	0.11	0.01	3.08	99.9
B48961		60.3	14.4	4.22	4.26	0.79	1.22	7.99	0.25	0.67	0.13	0.05	4.93	99.3
B48962		58.5	15.1	6.31	3.97	2.22	0.53	7.71	0.13	0.67	0.13	0.04	4.47	99.8
B48963		59.9	15.5	5.87	3.49	2.97	0.52	7.24	0.11	0.67	0.12	0.04	3.85	100.3
B48964		62.3	14.3	5.72	3.89	1.96	0.55	7.60	0.16	0.67	0.12	0.03	3.47	100.8
B48965		63.0	14.9	5.11	3.04	3.13	0.63	6.58	0.11	0.67	0.12	0.03	3.00	100.4
B48966		62.6	14.9	4.67	3.47	3.49	1.19	6.39	0.11	0.69	0.12	0.03	2.39	100.2
B48967	DT-17-88	58.7	16.2	5.94	3.18	3.69	1.27	6.71	0.10	0.75	0.18	0.02	2.77	99.7
B48968		60.4	14.7	5.14	2.80	1.27	1.99	7.78	0.12	0.74	0.16	0.02	4.70	100.0
B48969		61.4	15.6	5.99	2.08	1.97	1.00	7.29	0.09	0.64	0.12	0.02	4.16	100.4
B48970		61.2	16.3	6.75	2.83	1.19	1.47	5.83	0.18	0.65	0.12	0.02	3.16	99.8
B48971		58.9	15.3	5.37	3.61	1.86	1.59	6.66	0.25	0.67	0.13	0.02	3.85	98.3
B48972		59.4	14.8	5.41	3.34	2.96	1.07	7.19	0.17	0.72	0.14	0.02	3.47	98.8
48973		64.2	13.8	2.74	3.66	2.13	0.84	8.17	0.15	0.64	0.12	0.02	3.62	100.2
48974		62.1	16.4	4.63	2.46	4.64	0.73	4.85	0.11	0.52	0.12	0.02	2.85	99.5

XRAL

XRF - WHOLE ROCK ANALYSIS 25-APR-88 REPORT 4716 REFERENCE FILE 1032

SAMPLE \ PPM		RB	SR	Y	ZR	NB	BA
B48927		24	190	<10	110	<10	364
B48928		15	240	38	250	50	44
B48929		43	137	<10	117	16	394
B48930		37	158	24	165	15	369
B48931		35	146	22	183	23	326
B48932	DT-14-88	27	168	28	213	22	348
B48933		35	549	<10	81	21	305
B48934		31	187	32	191	24	329
B48935		20	511	12	66	<10	265
B48936		28	232	19	161	16	187
B48937		27	226	14	84	12	199
B48938		37	522	<10	60	18	369
B48939		39	136	<10	91	29	439
B48940		19	246	<10	78	<10	159
B48941		32	210	16	142	<10	215
B48942	DT-15-88	33	214	<10	145	<10	313
B48943		48	226	<10	135	12	582
B48944		27	259	45	193	16	437
B48945		14	211	<10	141	<10	245
B48946		19	184	31	205	<10	267
B48947		23	58	13	67	13	110
B48948		37	154	14	97	11	309
B48949		30	78	34	113	10	421
B48950		50	64	16	131	11	420
B48951		49	73	21	136	21	350
B48952	DT-16-88	39	137	16	104	19	313
B48953		21	155	<10	102	12	156
B48954		11	132	29	114	25	45
B48955		17	129	19	91	15	161
B48956		58	106	12	153	<10	295
B48957		41	510	<10	62	15	346
B48958		41	537	<10	69	15	320
B48959		24	503	<10	62	<10	362
B48960		36	118	<10	109	25	272
B48961		36	80	11	81	26	312
B48962		20	155	<10	88	18	124
B48963		12	185	15	91	15	153
B48964		23	195	16	113	18	214
B48965		28	183	22	138	18	226
B48966	DT-17-88	39	283	24	118	16	534
B48967		41	1090	<10	44	15	514
B48968		47	124	<10	142	<10	832
B48969		19	183	<10	116	17	308
B48970		42	148	<10	112	12	557
B48971		45	152	<10	101	29	654
B48972		35	170	11	119	18	239
48973		35	176	12	178	16	398
48974		27	442	25	75	<10	323

XRAL

XRF - WHOLE ROCK ANALYSIS 27-APR-88 REPORT 4770 REFERENCE FILE 1196

SAMPLE \ %		SIO2	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	MNO	TIO2	P2O5	CR2O3	LOI	SUM
48975		66.1	17.0	2.26	1.83	4.99	1.00	3.77	0.04	0.44	0.11	0.01	2.39	100.1
48976		45.4	11.8	10.6	5.35	1.51	0.38	11.4	0.17	1.09	0.10	0.04	11.3	99.2
48977		62.9	16.3	4.42	1.72	5.12	1.09	3.53	0.06	0.40	0.10	0.01	3.70	99.5
48978		61.7	16.1	5.24	1.59	4.86	1.48	3.27	0.06	0.40	0.10	<0.01	4.16	99.1
48979		65.0	16.0	4.07	1.47	5.10	0.95	3.20	0.05	0.37	0.10	0.01	3.31	99.7
48980		60.5	17.2	6.12	2.40	4.85	0.75	4.90	0.08	0.58	0.14	0.01	1.62	99.3
48981		43.7	13.1	11.1	6.73	2.81	0.14	8.25	0.15	0.69	0.21	0.08	11.7	98.7
48982		56.7	14.9	3.78	5.33	2.24	1.11	8.90	0.08	0.70	0.14	0.05	4.85	98.9
48983		51.4	12.2	6.97	3.13	1.94	0.12	17.4	0.23	2.01	0.24	<0.01	3.16	98.8
48984	DT-18-88	75.9	13.3	1.47	0.18	6.39	0.77	0.84	0.02	0.11	0.03	0.02	1.16	100.3
48985		75.9	13.4	1.10	0.20	5.65	2.05	0.67	0.02	0.11	0.03	0.01	0.93	100.2
48986		73.6	13.8	1.92	0.64	4.74	1.95	1.58	0.04	0.23	0.04	0.02	1.23	99.9
48987		63.0	15.8	4.22	1.72	4.49	1.48	4.02	0.06	0.46	0.11	<0.01	4.93	100.4
48988		58.2	15.3	3.00	6.20	0.74	1.80	7.43	0.10	0.70	0.14	0.04	5.00	98.7
48989		51.2	11.5	6.95	3.35	1.82	0.08	17.6	0.22	1.90	0.20	<0.01	3.54	98.4
48990		64.2	13.4	5.51	2.59	3.25	0.87	4.37	0.07	0.53	0.10	0.01	3.08	98.0
48991		55.7	15.4	2.64	7.35	2.22	0.60	8.51	0.12	0.76	0.15	<0.01	4.70	98.2
48992		62.1	16.3	5.46	2.23	5.13	0.78	4.78	0.09	0.53	0.13	0.02	1.54	99.2
48993		63.8	16.3	3.66	1.73	5.46	1.19	3.60	0.06	0.43	0.11	0.01	2.54	99.0
48994		62.3	16.0	5.02	1.65	5.02	1.11	3.35	0.07	0.40	0.10	<0.01	4.00	99.1
48995		64.2	16.4	4.37	1.79	5.00	1.07	3.57	0.06	0.40	0.10	0.01	2.08	99.2
48996		60.5	14.8	4.34	4.43	1.77	2.06	6.79	0.10	0.64	0.12	0.04	3.08	98.8
48997		64.7	16.9	4.46	1.60	5.05	1.38	3.42	0.06	0.38	0.10	0.01	1.93	100.1
48998		68.4	15.3	3.40	1.35	5.37	1.12	2.78	0.06	0.30	0.08	0.02	1.77	100.1
48999		70.3	14.7	3.01	0.57	5.70	1.56	1.81	0.04	0.22	0.06	0.01	1.77	99.9
49000		49.0	12.4	7.31	4.07	1.55	0.13	17.1	0.24	1.97	0.18	<0.01	4.31	98.3
49426	DT-19-88	60.0	16.3	4.17	3.53	1.46	2.30	6.31	0.10	0.65	0.12	0.02	3.85	98.9
49427		61.9	14.2	4.85	3.50	3.22	0.31	6.78	0.11	0.59	0.12	0.03	3.31	99.0
49428		55.2	14.0	4.90	5.06	2.07	0.91	8.78	0.09	0.63	0.12	0.04	4.39	96.2
49429		62.6	14.9	4.49	2.94	4.52	0.32	5.61	0.12	0.72	0.13	0.04	2.31	98.8
49430		64.2	13.7	3.42	2.98	4.03	0.64	5.57	0.08	0.60	0.11	0.02	3.16	98.6
49431		58.3	14.6	5.45	2.85	2.00	1.70	7.08	0.07	0.65	0.13	0.02	4.85	97.8
49432		48.4	12.5	8.09	3.91	1.86	0.22	18.0	0.26	2.15	0.19	<0.01	3.00	98.6

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES

XRAL

XRF - WHOLE ROCK ANALYSIS 27-APR-88 REPORT 4770 REFERENCE FILE 1196

SAMPLE \ PPM		RB	SR	Y	ZR	NB	BA
48975		42	573	<10	72	<10	365
48976		26	164	17	29	14	44
48977		56	506	<10	65	<10	329
48978		45	528	17	52	14	346
48979		42	528	<10	53	<10	296
48980		42	593	<10	72	13	230
48981		15	360	<10	36	27	57
48982		31	146	20	97	<10	319
48983	DT-18-88	10	95	33	127	27	67
48984		22	178	<10	39	<10	682
48985		39	77	<10	33	11	725
48986		46	186	<10	56	12	632
48987		51	371	11	65	12	345
48988		53	67	13	106	<10	370
48989		15	67	24	119	20	18
48990		31	130	22	139	10	204
48991		18	105	15	132	10	149
48992		32	452	<10	75	<10	270
48993		53	425	<10	67	12	282
48994		43	483	13	67	21	340
48995		32	586	<10	66	<10	338
48996		61	93	16	87	17	573
48997		42	494	<10	53	17	388
48998		34	364	22	59	<10	545
48999		37	296	15	38	10	560
49000	DT-19-88	11	105	25	92	15	38
49426		70	90	<10	133	11	504
49427		13	160	<10	114	23	105
49428		36	99	<10	90	13	169
49429		34	146	21	121	12	81
49430		27	138	26	163	<10	214
49431		41	100	41	127	20	295
49432		<10	111	51	100	14	40

XRAL

XRF - WHOLE ROCK ANALYSIS 13-MAY-88 REPORT 4904 REFERENCE FILE 1314

SAMPLE \ %		SIO2	AL203	CAO	MGO	NA2O	K2O	FE203	MNO	TIO2	P2O5	CR2O3	LOI	SUM
49433		65.2	16.8	4.16	1.14	5.23	1.22	2.47	0.04	0.31	0.10	0.02	2.39	99.2
49434		64.4	16.6	4.60	1.71	5.14	0.77	3.45	0.07	0.41	0.10	0.02	2.23	99.6
49435		64.8	16.6	4.48	1.77	5.04	0.78	3.39	0.06	0.41	0.10	0.02	2.23	99.8
49436	DT-20-88	65.2	16.7	4.74	1.65	5.02	0.90	3.50	0.06	0.40	0.10	0.03	1.31	99.7
49437		64.5	16.8	4.57	1.76	5.00	0.89	3.37	0.06	0.41	0.10	0.02	1.00	98.6
49438		49.7	12.4	7.95	3.40	2.14	0.16	18.1	0.21	2.06	0.20	<0.01	2.54	98.9
49439		57.4	14.4	7.27	3.18	0.85	2.03	6.22	0.08	0.65	0.13	0.04	6.31	98.6
49440		64.0	15.6	2.92	3.62	3.19	1.36	4.74	0.07	0.71	0.13	0.04	3.23	99.7
49441		61.7	14.1	5.47	3.11	2.90	1.26	6.43	0.12	0.65	0.13	0.03	3.77	99.7
49442		64.1	14.5	5.05	2.21	2.40	1.17	6.59	0.11	0.82	0.16	<0.01	2.39	99.6
49443		47.8	12.6	8.95	6.36	1.36	0.09	12.5	0.18	1.20	0.11	0.05	7.93	99.2
49444		62.3	16.3	4.82	1.62	5.29	1.13	3.54	0.06	0.42	0.11	<0.01	3.00	98.7
49445		63.4	16.2	4.73	1.47	5.54	0.94	3.33	0.07	0.41	0.11	0.01	2.39	98.7
49446		60.3	14.6	5.04	4.92	1.17	1.08	7.62	0.13	0.81	0.15	<0.01	3.62	99.5
49447		64.0	16.5	5.07	1.64	5.11	1.09	3.52	0.07	0.40	0.10	0.01	2.31	99.9
49448		59.7	15.1	3.62	4.95	2.98	0.76	7.16	0.09	0.81	0.15	<0.01	3.31	98.7
49449		62.2	14.3	6.75	3.17	1.67	1.36	7.35	0.12	0.75	0.14	0.01	2.77	100.7
49450		62.3	16.4	5.04	2.10	5.02	1.12	4.30	0.07	0.48	0.13	0.01	1.77	98.9
49451	DT-21-88	59.8	15.8	4.94	2.55	4.28	1.56	5.22	0.09	0.55	0.12	0.01	3.54	98.6
49452		48.4	12.9	8.39	4.15	2.68	0.55	18.4	0.24	2.22	0.17	<0.01	1.85	100.0
49453		71.3	14.8	2.66	0.71	5.88	0.99	1.82	0.04	0.23	0.06	0.02	0.77	99.4
49454		50.1	12.4	7.28	3.68	2.97	0.44	17.6	0.24	2.01	0.19	<0.01	1.47	98.4
49455		59.5	15.3	6.27	4.36	4.05	1.04	5.67	0.12	0.47	0.10	0.04	1.54	98.6
49456		62.9	16.3	5.39	1.79	15.03	0.98	3.73	0.07	0.43	0.11	0.02	2.70	99.6

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES

XRAL

XRF - WHOLE ROCK ANALYSIS 13-MAY-88 REPORT 4904 REFERENCE FILE 1314

SAMPLE \ PPM		RB	SR	Y	ZR	NB	BA
49433		43	601	<10	68	<10	372
49434		33	630	<10	53	<10	331
49435		27	632	12	61	10	299
49436	DT-20-88	29	593	<10	71	11	345
49437		27	622	<10	56	<10	334
49438		19	142	24	112	<10	79
49439		50	106	<10	93	20	318
49440		48	147	25	126	<10	353
49441		35	67	21	135	<10	268
49442		25	112	15	140	12	230
49443		26	133	<10	24	19	15
49444		39	483	13	61	<10	394
49445		35	486	<10	66	14	266
49446		44	128	28	128	<10	211
49447		30	443	<10	74	13	365
49448	DT-21-88	23	144	11	120	12	238
49449		35	133	16	134	16	360
49450		45	539	15	73	<10	386
49451		36	303	17	54	<10	406
49452		18	139	25	74	21	168
49453		36	308	<10	42	<10	616
49454		19	167	26	111	28	134
49455		40	473	<10	64	<10	310
49456		25	561	<10	68	<10	331

DIAMOND DRILL RECORD

HOLE NUMBER: DT-1-87

NAME OF PROPERTY: Daniel
HOLE NO.: DT-1-87 LENGTH: 403 meters
LOCATION: Claim No. 374018-2
LATITUDE: 0+80N DEPARTURE: L4+20E
ELEVATION: AZIMUTH: S 210 deg. DIP: -60 deg
STARTED: November 10/87 FINISHED: November 16/87

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
100	57	-54.6	300	45	-42.0
200	48	-46.7	400	38	-37.8

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	19.0	CASING									
19.0	44.7	ALTERED CHERTY RHYOLITE TUFF									
		Aphanitic, medium to dark grey to greeny grey locally. Massive to weakly foliated at approx. 45-55 deg. to core angle. Occasional zone feldspar spotting to 5-8mm dia., micro fractures with quartz + carbonate infill. Siliceous and cherty locally.	05176		19.0	44.7 whole rock					
		Heavy sulphide concentrations as bands in cherty sections, stringers, patches									
		5-8% pyrite, tr to 1.0% chalcopyrite.									
		40-60% sulphides locally.									
		Very occasional chlorite bands + patches.									
		20.3-21.3 Host rock unit with 20-25% pyrite + tr to 1% chalcopyrite locally	05251		20.3	21.3	100	72	136	0.9	10
			05252		21.3	22.3	100	43	128	<0.1	10

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
			05253		22.3	23.3	100	147	285	1.1	30
			05254		23.3	24.3	100	205	314	0.6	10
			05255		24.3	25.3	100	334	232	0.5	5
		25.3-28.3 Host rock unit with cherty sections with 50 - approx. 70% pyrite + minor chalcopyrite as disseminated sulphides very locally - generally in 20 to 30cm sections. 20-30 deg. to CA	05256		25.3	26.3	100	205	85	1.7	85
			05257		26.3	27.3	100	58	196	0.5	30
			05258		27.3	28.3	100	151	33	1.7	340
		28.3-35.3 Host rock unit with 3 to 15% (approx.) pyrite, disseminated + 10-15% locally, 45 deg. to core angle	05259		28.3	29.3	100	58	137	0.9	35
			05260		29.3	30.3	100	40	143	0.3	10
			05261		30.3	31.3	100	36	80	0.6	15
			05262		31.3	32.3	100	28	95	0.3	10
			05263		32.3	33.3	100	36	80	<0.1	30
			05264		33.3	34.3	100	76	84	0.4	10
			05265		34.3	35.3	100	62	79	<0.1	10
		35.3-44.3 Host rock unit with 8-10% pyrite disseminated + as bands + patches, 15-20% (approx.) locally	05266		35.3	36.3	100	38	91	0.3	10
		36.4 5cm quartz vein/patch, barren	05267		36.3	37.3	100	13	30	0.3	25
			05268		37.3	38.3	100	18	41	0.3	5
			05269		38.3	39.3	100	38	28	<0.1	10
			05270		39.3	40.3	100	28	30	0.5	25
			05271		40.3	41.3	100	21	45	0.2	10
			05272		41.3	42.3	100	54	55	0.4	90
			05273		42.3	43.3	100	7	26	0.3	10
			05274		43.3	44.3	100	21	68	0.6	10
44.7	50.5	FINE GRAINED GABBRO - DIKE?									
		Very fine to fine grained, massive to very weakly foliated. Medium to dark greeny-grey with very fine feldspar spotting. Generally evenly chloritic, irregular contacts but unit is much finer grained at contacts - "chilled zone"	05177		44.7	50.5 whole rock					
		Occasional micro-fractures with quartz, + carbonate infill. Very magnetic in sections.									
		1-2% pyrite disseminated throughout unit and 15-20% approx. locally									
		44.4-44.5 10cm host rock unit with 5-8% (approx.) pyrite	05275		44.3	45.3	100	250	125	0.5	15
		45.4 1cm quartz vein at 45-50 deg. to core angle with 10-12% pyrite									
		45.8-46.3 host rock unit with 8-10% (approx.) py	05276		45.3	46.3	100	158	155	0.1	25

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		48.1-48.7 4x1cm quartz veins at 50-60 deg. to CA each with 15-20% pyrite, minor chalcopyrite in and surrounding vein	05277		48.0	48.7	70	95	155	0.1	45
50.5	84.3	ALTERED CHERTY RHYOLITE TUFF									
		Generally as before (19-44.7) but with coarser quartz zones + biotite? 8-10% (approx.) pyrite disseminated throughout unit, 15-20% locally	05278		50.0	51.0	100	76	118	0.8	5
		51.3-54.6 This unit is very cherty light to medium grey, with tr to 1% pyrite and 1-2% pyrite limited to the occasional quartz patches, 20-30% pyrite at upper contact with rhyolite.	05279		51.0	52.0	100	68	111	0.1	20
		55.0-59.0 Very altered, unit very well foliated at 45 deg. to core angle, at which rock is fractured presenting a serpentinized surface which is soft, greasy and tacky	05280		54.5	55.5	100	46	76	0.2	15
			05281		55.5	56.5	100	89	82	0.1	20
			05282		56.5	57.5	100	10	58	0.2	20
			05283		57.5	58.5	100	48	72	<0.1	15
		*58.2-58.5 Fault/shear zone, looks very altered 1-3% pyrite	05284		58.5	59.5	100	35	53	<0.1	10
		59.5-60.5 Host rock 5-8% py	07808		59.5	60.5	100	48	54	<0.1	15
		60.0-63.1 Host rock unit with 5-8% disseminated py + as small veinlets	05285		60.5	61.5	100	30	40	<0.1	10
			05286		61.5	62.5	100	38	82	<0.1	10
			05287		62.5	63.5	100	49	52	0.1	15
		63.0-64.0 5-8% pyrite	07809		63.5	64.0	50	49	77	0.2	5
		67.0-76.0 Host rock unit with 10-12% (approx.) pyrite, very minor chalcopyrite with local zone with 65-80% pyrite. Especially between 69.5-70.5; 72.4-72.6 and 74.0-75.0. Chloritic-foliated at 30 degrees to core axis	05288		64.0	65.0	100	18	110	0.1	10
			05289		65.0	66.0	100	16	151	0.1	15
			05290		66.0	67.0	100	30	260	<0.1	10
			05291		67.0	68.0	100	22	423	0.1	10
			05292		68.0	69.0	100	12	510	<0.1	15
			05293		69.0	70.0	100	55	653	<0.1	5
			05294		70.0	71.0	100	62	892	<0.1	15
			05295		71.0	72.0	100	40	357	0.1	5
			05296		72.0	73.0	100	86	289	<0.1	15
			05297		73.0	74.0	100	68	353	<0.1	10
			05298		74.0	75.0	100	23	300	0.3	20
			05299		75.0	76.0	100	27	253	0.6	10
		76.0-80.0 Host rock with 8-10% pyrite disseminated	05300		76.0	77.0	100	34	245	0.6	10
			05301		77.0	78.0	100	170	198	0.6	20
			05302		78.0	79.0	100	55	220	0.5	5
			05303		79.0	80.0	100	105	274	0.9	5
84.3	86.9	QUARTZ/FELDSPAR PORPHYRY (QFP) DIKE?									
		Medium to coarse grain, light to medium grey to dark greyish green; massive to very weakly foliated. Coarse quartz + feldspar grains to 6mm diameter	05178		84.3	86.9 whole rock					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Very fine chlorite?/epidote? spotting.									
		Micro fractures with quartz + carbonate infill.									
		Tr to less than 1% pyrite.									
86.9	109.0 approx.	ALTERED RHYOLITE (QUARTZ CRYSTAL TUFF)									
		As before (50.5-84.3) but with generally less sulphides 5-8% pyrite + very minor chalcopyrite, 15-20% very locally.									
		90.0-95.5 Host rock with 5-8% pyrite with very local zone with 15-20% pyrite									
			05304		91.0	92.0	100	45	210	<0.1	<5
			05305		92.0	93.0	100	34	157	0.4	<5
			05306		93.0	94.0	100	37	158	0.4	<5
			05307		94.0	95.0	100	29	142	0.1	<5
			05308		95.0	96.0	100	21	127	0.3	<5
			05309		96.0	97.0	100	40	102	0.2	5
			05310		97.0	98.0	100	17	166	0.5	<5
		98.0-109.0 Alt. rhyolite becomes more chloritized towards end of unit. Also sulphides 10-15%; 20-25% pyrite with 1-3% chalcopyrite locally as concentrated bands + patches + stringers	05311		98.0	99.0	100	21	193	0.5	10
			05312		99.0	100.0	100	9	252	0.6	10
			05313		100.0	101.0	100	38	448	0.5	20
			05314		101.0	102.0	100	23	823	0.5	40
			05315		102.0	103.0	100	10	280	<0.1	5
			05316		103.0	104.0	100	23	191	0.3	<5
			05317		106.0	107.0	100	43	79	0.3	20
			05318		107.0	108.0	100	30	60	<0.1	10
			05319		108.0	109.0	100	53	78	0.3	10
109.0 (approx.)	138.9	ALTERED BRECCIATED OR FRAGMENTAL VOLCANIC (ANDESITE - DACITE)									
		Aphanitic to very fine grain to fine grain locally; massive to very weakly foliated at approx. 50-55 deg. to core angle. Medium to dark greeny grey, locally silicified with occasional "cherty" sections. Common epidote? patches + bands, micro-fractures with quartz + minor carbonate infill	05179		109.0	138.9 whole rock					
		Epidote bands + patches surrounded by sulphides and vice-versa.									
		1-3% sulphides, pyrite, pyrrhotite, chalcopyrite disseminated throughout unit - 8-15% (approx.) pyrite, minor pyrrhotite, very minor chalcopyrite concentrated in local sections as stringers surrounded by epidote?	05320		109.0	110.0	100	38	77	0.4	5
			05321		110.0	111.0	100	53	69	0.3	10
			05322		111.0	112.0	100	32	54	<0.1	5
			05323		112.0	113.0	100	33	62	<0.1	<5
		115.5-approx. 119.0 Host rock is very "cherty" in appearance, 8-15% pyrite locally as stringers + patches	05180		115.5	119.0 whole rock					
			05324		115.0	116.0	100	17	93	0.2	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
			05325		116.0	117.0	100	23	180	<0.1	<5
			05326		117.0	118.0	100	15	309	0.3	5
			05327		118.0	119.0	100	20	132	0.5	<5
		Local heavy concentrations of sulphides, pyrite, minor pyrrhotite, very minor chalcopyrite to 20-30% approx. at 116.8, 117.5, 118.0 and 120.6	05328		119.0	120.0	100	22	302	0.1	<5
			05329		120.0	121.0	100	35	101	0.5	30
			05330		121.0	122.0	100	46	76	0.2	<5
		From approx. 123.0 to end of unit 138.0, much less sulphides - tr to 2% max. althouth very occasional stringers pyrite found.									
		*Also - unit much more mafic volcanic - much more evenly chloritized and less silicified.									
		125.4 1cm quartz vein/patch with 25-30% pyrite	05331		125.3	125.6	30	33	49	<0.1	<5
		137.9-138.9 Unit is much darker. Dark greenish black and very biotitic.									
138.9	149.6	FELDSPAR - QUARTZ PORPHYRY - DIKE?									
		Unit is coarse to very coarse grained, light to med. grey-green with large feldspar + quartz phenocrysts to 6-7mm dia. Unit is massive but common fracture plain on 50 degrees to coare angle.	05181		138.9	149.6 whole rock					
		Feldspar, quartz, pyroxene, hornblende (biotite) assemblage; occasional pink feldspar zones.									
		Blue quartz eyes common after 146.5 to 149.6	05332		145.0	146.0	100	4	36	<0.1	<5
		Micro-fractures with quartz infill.									
		Tr to 1% pyrite.									
		Sharp but irregular upper + lower contacts.									
		Lower contact with next unit separated by 12cm quartz vein.									
		149.2-149.35 15cm quartz vein at 30 degrees to core angle with a 1cm x 2cm chunk of pyrite/chalcopyrite + 8 to 10% disseminated pyrite/minor chalcopyrite.	05333		149.0	150.0 check assay	100	583	83	0.7	2685 (.078 oz/t) (0.400 OPT)
		Tourmaline? at ends of vein									
149.6	161.1	MAFIC VOLCANIC (SHEARED GABBRO)									
		Generally as before (109.0-138.9) - more evenly chloritized. Less silicified.									
		Tr to 1% pyrite disseminated throughout unit 5-8% locally as bands & stringers									
		155.0-158.0 5-8% pyrite locally as stringers + band + patches	05334		155.0	156.0	100	321	155	1.0	35
			05335		156.0	157.0	100	350	154	0.6	15
			05336		157.0	158.0	100	146	128	0.3	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
161.1	172.2	GABBRO - DIKE?									
		Generally as before at (44.7 to 50.5). Fine grained dark greeny, black massive. Chlorite bands + light spotting, generally dark green to black mafic constituents. 1-30% pyrite disseminated throughout unit. Unit is very magnetic!	05337		169.0	170.0	100	48	97	<0.1	<5
			05338		170.0	171.0	100	45	86	<0.1	<5
172.2	181.7	CHLORITIZED FELSIC VOLCANIC TUFF									
		Aphanitic to very fine grained, massive to very weakly foliated to approx. 45 degrees to core angle. Medium greyish-green. Local sections of intermottled quartz, carbonate, chlorite, epidote? bands + patches	05182		172.2	181.7 whole rock					
		1-3% pyrite disseminated throughout unit.									
		15-20% locally at 180.0, 182.0, 183.1	05339		179.0	180.0	100	31	50	<0.1	<5
			05340		180.0	181.0	100	73	61	<0.1	5
		Locally cherty banded tuff.	05341		181.0	182.0	100	55	74	0.1	<5
			05342		182.0	183.0	100	95	61	<0.1	<5
			05343		183.0	184.0	100	31	57	<0.1	<5
181.7	189.0	QUARTZ, FELDSPAR, PORPHYRY									
		Unit is coarse to very coarse grained. Massive to very very weakly foliated. Med. greenish-grey with quartz, feldspar grains to 5mm dia. The green color of this unit suggests introduction of pyroxene - gabbroic?	05183		181.7	189.0 whole rock					
		Unit is a feldspar porphyry for the first .5 meters, then grades into a quartz, feldspar, porphyry, then seems to pick up mafic constituents and turns into a gabbro towards the end of unit.	05344		186.0	187.0	100	26	30	<0.1	<5
		1-3% pyrite disseminated throughout unit.									
189.0	246.2	MASSIVE FELSIC VOLCANIC - (BANDED TUFF)									
		Unit is aphanitic to very fine grain, massive, med. grey to med. greeny-grey, very locally. Some sections host fragments?/or intercollations? of quartz feldspar porphyry or rhyolite.	05184		189.0	246.2 whole rock					
		The rhyolite is well foliated with quartz or bio-clots along foliation. These fragments are generally 20-30cm to 60cm in length	05345		188.5	189.5	100	49	38	<0.1	10
			05346		201.0	202.0	100	111	29	<0.1	5
		Host rock appears to have very fine feldspar spotting locally - possible tonalite?									
		Tr to 1% pyrite disseminated throughout unit + 1-5% pyrite very locally.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		* 208.8-210.6 Feldspar, quartz, porphyry dike? with 5-8% pyrite at contact with rhyolite fragment 210.6m	05347		210.0	211.0	100	45	29	<0.1	10
			05348		230.0	231.0	100	5	49	<0.1	<5
		* 240.0-240.9 90cm quartz, feldspar, porphyry dike? with 5-10% pyrite throughout unit.	05349		239.7	240.7	100	9	62	<0.1	<5
			05350		240.7	241.7	100	11	71	<0.1	<5
246.2	250.4	QUARTZ, FELDSPAR, PORPHYRY - DIKE?	05185		246.2	250.4 whole rock					
		Generally as before (138.9-149.6) but with 8-15% pyrite throughout unit.	05351		246.0	247.0	100	7	64	<0.1	<5
			05352		247.0	248.0	100	6	35	<0.1	<5
		25-30% pyrite from 249.0-249.7 as 30cm long 1/2cm wide py stringer.	05353		248.0	249.0	100	7	41	<0.1	<5
			05354		249.0	250.0	100	10	28	<0.1	<5
			05355		250.0	251.0	100	11	30	<0.1	<5
			05356		251.0	252.0	100	26	45	<0.1	<5
250.4	256.0	FINE GRAINED QUARTZ, FELDSPAR, PORPHYRY? DIKE? GABBRO?	05186		250.4	256.0 whole rock					
		Unit is fine to medium grained, massive, medium greenish grey. Appears to have a pyroxene-amphibole, feldspar quartz assemblage? Quartz + feldspar to 30-40%.									
		Occasional quartz veins.	05357		253.0	254.0	100	6	48	<0.1	<5
		1-3% pyrite disseminated throughout unit.									
256.0	258.3	QUARTZ, FELDSPAR, PORPHYRY, DIKE?									
		Generally as before - but with 8-10% pyrite diss. throughout unit.	05358		256.0	257.0	100	20	27	<0.1	5
258.3	280.4	FELSIC - INTERMEDIATE VOLCANIC? (FRAGMENTAL)	05187		258.3	280.4 whole rock					
		Generally as before (172.2-181.7) aphanitic to very fine grained. Medium greenish-grey, 1-3% pyrite throughout unit, weakly foliated to 50 degrees (approx.) to core angle. Generally more foliated after 176.0m.	05359		269.0	270.0	100	45	360	<0.1	<5
280.4	307.0 (approx.)	SHEARED ALT. RHYOLITE - TUFF?? (LAPILLI-TUFF)	05188		280.4	307.0 (approx.)	whole rock				
		Unit is aphanitic to very very fine grained, med. greeny-grey to greeny-black on fracture surface (foliation surface) which appears to be serpentinized? Very well foliated to 50-55 degrees to core angle. Host rock appears to be medium grey with thin dark green mafic bands along foliation. Unit is softer than above unit 5 1/2 to 6 (TUFF)?									
		Occasional white milky quartz veins.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Tr to 1% pyrite disseminated throughout unit with 8-10% pyrite locally as stringers. Generally between 292.5 to 294.0.	05360		290.0	291.0	100	15	55	<0.1	<5
		*291.0-292.0 "Shear" unit is very very foliated. At 50 degrees to core angle unit is very broken-up, soft, soapy, powdery with 5-10% very finely disseminated pyrite.	05361		291.0	292.0	100	14	85	<0.1	10
			05362		292.0	293.0	100	24	118	<0.1	15
			05363		293.0	294.0	100	30	76	<0.1	5
			05364		294.0	295.0	100	5	70	0.2	<5
		289.0-295.0 Moderately sheared.									
		292.0-309.0 Possibly, sheared porphyry.									
307.0 (approx.)	338.3	FELSIC - INTERMEDIATE VOLCANIC?									
		Generally as before at (258.3-280.4) but with 1-2% disseminated pyrite.	05365		310.0	311.0	100	40	67	<0.1	10
		3-5% locally as stringers.	05366		316.0	317.0	100	32	89	0.2	<5
			05367		309.0	310.0	100	47	131	0.4	25
		*323.8-324.1 Rhyolite fragment 30-40cm with 3cm quartz vein at 324.0 (5-10% pyrite)	05368		323.5	324.5	100	19	48	0.2	55
		*Unit more mafic towards end of unit 326.0-338.3.									
		*Grades into a mafic volcanic with tr to 1% pryite at 337.1m.	05189		337.1	338.3 whole rock					
338.3	390.3	GABBRO - DIKE?									
		Unit is as before (44.7-50.5) and at (161.1-172.2) appears to grade between very fine and fine grained.									
		Occasional quartz-carbonate vein/patches with 3-10% pyrite common.									
		Unit is very magnetic throughout.									
		1-3% pyrite throughout unit as individual cubes or small stringers, usually associated with the quartz carbonate veins.	05369		342.0	343.0	100	78	105	<0.1	5
		345.1-345.5 40cm unit which appears to be a mafic volcanic with 3-5% pyrite - unit is magnetic.	05370		344.5	345.5	100	61	148	<0.1	85
		Very occasional epidote? bands + patches.									
		345.5-346.5 2 x 1/2cm quartz/carbonate veins at 50 degrees to core angle.	05371		345.5	346.5	100	151	76	<0.1	5
		348.6 1/2cm quartz/carbonate vein at 50 degrees to core angle with 40-50% pyrite.	05372		348.4	348.7	30	84	160	<0.1	180
		* Unit appears to be of a much finer grain after 356.0m - resembling a mafic volcanic due to extensive chloritization.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Also what appears to be mafic volcanic fragments + quartz, feldspar, porphyry fragments after 360.0m. These units are non-magnetic. Unit also gets reasonably well foliated at 50 degrees to core angle with quartz + carbonate veins/ patches along foliation.									
		Unit also seems to have an increased pyrite content from 3-5% locally.	05373		371.0	372.0	100	53	187	<0.1	175
		372.0-373.0 5-10% pyrite throughout unit.	05374		372.0	373.0	100	93	201	<0.1	5
			05375		378.6	379.6	100	38	206	<0.1	5
		380.9 1cm quartz/carbonate vein at 40 degrees to core angle with 75-80% pyrite	05376		380.5	381.5	100				
390.3	403.0	FELSIC - INTERMEDIATE VOLCANIC? - "FAULT" VERY ALTERED QUARTZ-EYE RHYOLITE?	05190		390.3	403.0 whole rock					
		Unit is aphanitic, light to medium greeny grey, to grey. Very very well foliated to 50 degrees to core angle - unit appears to have quartz-eye ghosts, but it's very difficult to tell because of "fault" at approx. 393.0 to 403.0 (end of hole).									
		Alteration begins at 392.0 (approx.). By 392.5 unit is very foliated with serpentinized, soapy, waxy, greasy, fracture surface.									
		Severe micro-folding at 400.0 to 401.0. Unit is also very altered possibly quartz eye rhyolite.	07801		390.0	391.0	100	61	146	<0.1	10
			07802		391.0	392.0	100	110	114	0.1	10
			07803		392.0	393.0	100	23	86	<0.1	10
			07804		393.0	394.0	100	16	96	<0.1	40
		394.5-394.9 40cm host rock unit with 10-15% disseminated pyrite	07805		394.0	395.0	100	29	91	0.1	325
			07806		395.0	396.0	100	12	68	0.1	20
		400.5 4cm quartz vein/patch with chlorite patches	07807		400.3	400.6	30	10	59	<0.1	10
	403.0	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-2-87

NAME OF PROPERTY: Daniel
HOLE NO.: DT-2-87 LENGTH: 323 meters
LOCATION: Claim No. 374017-2/374018-2
LATITUDE: 2+00 N DEPARTURE: L4+20E
ELEVATION: AZIMUTH: S 210 deg. DIP: -55 deg
STARTED: November 16/87 FINISHED: November 23/87

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
Casing	-55	-56.0	300	-47	-48.4
100	-49	-53.4	323	-47	-48.0
200	-48-49.7				

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	28.0	CASING									
28.0	36.6	INTERMEDIATE - MAFIC VOLCANIC?									
		Aphanitic to very fine grained, massive to very weakly foliated. Dark greeny - grey to dark grey.	05191		28.0	36.6 whole rock					
		Micro-fractures with epidote? quartz, carbonate infill - also epidote? patches	07810		28.0	29.0	100	31	60	<0.1	10
			07811		29.0	30.0	100	48	71	<0.1	10
		Occasional feldspar spotting to 5mm dia.	07812		30.0	31.0	100	40	58	<0.1	10
		3-5% pyrite with 15-20% locally as stringers + veinlets	07813		31.0	32.0	100	52	62	<0.1	<5
			07814		32.0	33.0	100	58	57	<0.1	<5
		1st 2cm of core almost massive sulphide-boulder?									
			07815		33.0	34.0	100	31	46	<0.1	5
			07816		34.0	35.0	100	28	54	<0.1	<5
			07817		35.0	36.0	100	36	53	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Unit vuggy with 8-10% pyrite after 33.0-36.6.									
36.6	62.8	FELSIC-INTERMEDIATE VOLCANIC - ALTERED RHYOLITE?									
		Unit is aphanitic, massive to very weakly foliated, medium to dark grey to greeny-grey locally.	05192		36.6	62.8 whole rock					
		Unit is silicified with occasional sugary texture.									
		Occasional quartz + carbonate vein/patches.									
		3-5% pyrite disseminated throughout unit with 8-10% locally. Also as small fine stringers.									
		Occasional zones of feldspar spotting.									
		Occasional quartz, feldspar, porphyry intercollations/ fragments.	07818		36.0	37.0	100	21	65	<0.1	10
			07819		39.0	40.0	100	26	39	<0.1	5
		Quartz, feldspar, porphyry intercollation/dike? at 40.0-41.6 and at 57.0-58.8	07820		42.0	43.0	100	58	54	<0.1	20
			07821		43.0	44.0	100	68	45	0.2	20
			07822		44.0	45.0	100	70	57	<0.1	5
		FAULT	07823		47.0	48.0	100	36	52	<0.1	5
		Unit very blocky and somewhat vuggy from top 36.6m to 48.2 - from 48.2 to 51 unit is blocky, weathered to a light, beige-brown color, powdery soft. etc. FAULT? Shear? 5-8% pyrite in and around vugs + disseminated throughout unit	07824		48.0	49.0	100	12	26	<0.1	<5
			07825		49.0	50.0	100	21	23	<0.1	<5
			07826		50.0	51.0	100	9	18	<0.1	<5
			07827		51.0	52.0	100	25	29	<0.1	10
			07828		52.0	53.0	100	44	37	<0.1	5
			07829		53.0	54.0	100	45	47	<0.1	5
			07830		54.0	55.0	100	46	45	0.1	<5
			07831		55.0	56.0	100	57	55	<0.1	5
			07832		56.0	57.0	100	40	46	<0.1	30
			07833		57.0	58.0	100	8	35	<0.1	10
			07834		60.0	61.0	100	31	37	<0.1	5
62.8	64.7	QUARTZ DIORITE - DIKE?	05193		62.8	64.7					
					whole rock						
		Unit is medium grained, massive, generally equigranular 60% felsic (20% qtz - 40% feldspar) 40% mafics. Grey to dark greyish-green.									
		5-8% pyrite disseminated throughout unit.	07835		63.5	64.5	100	18	46	<0.1	30
64.7	76.0	GABBRO - DIKE?									
		Unit is medium to coarse grain, massive med. to dark green to greeny-grey. Feldspar + quartz phenocrysts to 6mm dia. Unit is lighter in color than gabbro units in hole DT-1-87 - more feldspar-quartz. Unit is not magnetic.	05194		64.7	76.0 whole rock					
		3-5% pyrite disseminated throughout unit.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Mafic volcanic (very fine grain gabbro) intercollation /fragment between 67.5-69.2 - upper contact sharp with 5cm pinkish quartz vein at 25 degrees to core angle with 5-10% pyrite as patches. Lower contact grades back into gabbro.	07836		67.0	68.0	100	93	63	<0.1	5
			07837		72.0	73.0	100	23	68	<0.1	10
			07838		75.5	76.5	100	37	78	0.1	5
76.0	92.9	FELSIC-INTERMEDIATE VOLCANIC									
		Generally as before (36.6-62.8).	07839		81.0	82.0	100	31	23	0.2	<5
		Occasional silicified sections.									
		Frequent gabbro fragments/dikes?									
		1-2% pyrite disseminated throughout unit.									
		88.2-89.8 Gabbro dike? with 5-8% pyrite disseminated.	07840		88.0	89.0	100	28	69	<0.1	<5
			07841		89.0	90.0	100	46	67	<0.1	10
		91.4-91.7 1cm wide/30cm long vuggy carbonate/quartz vein horizontal to core with 25-30% pyrite -minor chalcopyrite	07842		91.3	91.8	50	81	56	<0.1	25
		Unit more mafic towards end of unit (92.9)									
92.9	99.0	GABBRO - DIKE?									
		As before (64.7-76.0) but unit gets much finer in grain from 98.0-99.0. Unit is not magnetic. Tr to 1% sulphides.	07843		94.0	95.0	100	38	57	<0.1	<5
99.0	107.4	QUARTZ DIORITE - DIKE?									
		Generally as before (62.8-64.7). 3-5% pyrite disseminated throughout unit.	07844		98.5	99.5	100	38	73	<0.1	<5
		100.2 1cm black tourmaline? vein at 30 degrees to core angle with 5-10% pyrite in vein and 25-30% pyrite around vein in host rock.	07845		100.1	100.4	30	8	51	0.1	5
		104.1 5cm vuggy quartz vein. 90 degree to core angle with 8-10% disseminated pyrite in vugs and vein.	07846		104.0	104.3	30	11	57	<0.1	10
107.4	118.5	FINE GRAIN GABBRO									
		Unit is very fine to fine grain. Massive, dark green to greeny black, slightly schistose, very chloritic, soft 4 1/2-5, with light green powdered streak. Fine feldspar spotting, ocassional quartz/carbonate veins/ patches. Core has a lumpy, uneven surface, possibly due to chlorite/carbonate dissolution?	05195		107.4	118.5 whole rock					
		108.5 4cm quartz minor carbonate vein 90 degree to core angle with 25-30% pyrite at sides of vein in contact with host rock.	07847		108.3	108.6	30	90	80	<0.1	15

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		116.1-118.0 Fault/shear, host rock is very blocky and from 116.2-117.5 unit is crushed, powdery, somewhat soapy and waxy with 3-5% py throughout fault/shear.	07848		116.0	117.0	100	178	61	<0.1	10
			07849		117.0	118.0	100	39	76	<0.1	<5
118.5	130.1	QUARTZ, FELDSPAR, PORPHYRY - DIKE									
		Unit is medium to coarse grained, porphyritic, massive, medium to dark greeny gray with feldspar grains to 7mm dia. Unit grades between greeny gray to gray depending on percentage mafics.	05196		118.5	130.1 whole rock					
			07850		120.0	121.0	100	13	60	0.1	<5
			07851		121.0	122.0	100	13	47	<0.1	5
			07852		126.0	127.0	100	21	41	<0.1	<5
			07853		129.0	130.0	100	40	58	<0.1	<5
		8-10% pyrite disseminated throughout unit.									
		Occasional quartz patches/veins.									
130.1	143.8	INTERMEDIATE VOLCANIC (ANDESITIC, LOCALLY PORPHYRITIC)									
		Aphanitic to very fine grained, massive. Dark green to greeny grey; reasonably siliceous in sections. Minor epidote as small patches and bands.	05197		130.1	143.8 whole rock					
		Micro-fractures with quartz/carbonate + epidote infill.									
		1-3% pyrite as vesicle infill + disseminated throughout unit.									
		130.8 1cm quartz vein at 90 degrees to core angle with 5-10% pyrite	07854		130.3	130.9	40	46	74	0.1	5
		131.0-139.0 Host rock with 8-10% pyrite, 40-50% locally. Generally as bands with epidote? + stringers + disseminated	07855		131.0	132.0	100	59	69	<0.1	<5
			07856		132.0	133.0	100	79	64	0.2	35
			07857		133.0	134.0	100	51	102	<0.1	<5
			07858		134.0	135.0	100	47	93	0.1	5
			07859		135.0	136.0	100	26	63	0.3	5
			07860		136.0	137.0	100	41	67	0.1	5
			07861		137.0	138.0	100	50	94	0.1	<5
			07862		138.0	139.0	100	52	91	0.3	<5
143.3	148.5	INTERMEDIATE VOLCANIC - PORPHYRY? DACITE?									
		Unit is aphanitic, massive to very weakly foliated to 40-45 degrees to core angle, light to medium olive greeny-grey.	05198		143.3	148.5 whole rock					
		Feldspar spotting to 5mm dia. with feldspars trending along foliation.									
		Micro-fractures with quartz + epidote? infill.									
		Unit is somewhat siliceous in sections.									
		Quartz fragments/eyes along foliation from 148.1-148.5.									
		1-3% pyrite disseminated throughout unit.	07863		144.0	145.0	100	128	54	0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		148.4-148.3 Contact with lower unit with 10cm host rock unit with 35-40% pyrite	07864		148.0	149.0	100	73	87	<0.1	<5
148.5	152.0	INTERMEDIATE - MAFIC VOLCANIC (SHEARED PORPHYRY?)									
		As before (28 - 36.6m) but more evenly chloritized - no epidote? Massive; aphanitic. Medium to dark greeny-grey. 1-3% disseminated pyrite.	07865		150.0	151.0	100	25	88	<0.1	<5
152.0	161.8	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		Generally as before (118.5-130.1) - color varies throughout unit depending on percentage mafics. Tr to 1% sulphides throughout unit. Unit is slightly broken up/fractured, but no hint of fault or shear.	07866		153.0	154.0	100	17	50	<0.1	<5
			07867		159.0	160.0	100	3	47	0.1	5
161.8	170.5	INTERMEDIATE TO MAFIC VOLCANIC?									
		Generally as before (148.5-152.0) but unit gets more felsic towards end of unit - 170.5. Alteration zone associated with porphyry. Occasional rhyolite fragments/intercollations?									
		1-2% disseminated pyrite throughout unit.									
		165.4 3cm quartz vein 40 degrees to core angle with an irregular black tourmaline vein in the centre of quartz vein with 5-10% pyrite.	07868		165.2	165.6	40	53	66	0.1	5
		Diagram: Surrounding Vein									
		167.6-168.3 70cm long, 1cm wide quartz vein along core surrounded by very siliceous volcanic unit - 5-10% in vein with 3-8% pyrite around vein.	07869		167.0	168.0	100	43	68	<0.1	<5
		This unit ends at 168.3.									
		At 168.35 there is a 3cm black tourmaline vein at 33 degrees to core angle with a 2cm very siliceous volcanic unit on either side of vein. 15-20% pyrite in siliceous unit.	07870		168.0	169.0	100	33	67	0.1	<5
		Diagram									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Separated by "Alteration Zone".									
170.5	173.0	ALTERATION ZONE?									
		Alteration zone - between upper unit and quartz feldspar unit. At 170.5 to 172.0 (170.5-170.9) unit well foliated to 35 degree to core angle.	07871		169.0	170.0	100	17	62	<0.1	10
		170.95-171.2 25cm quartz vein/patch with rhyolite? as matrix with 35-40% pyrite. Disseminated throughout matrix.	07872		170.0	171.0	100	12	34	<0.1	60
			07873		171.0	172.0	100	7	29	<0.1	15
		171.6-171.9 30cm black tourmaline? (lathes seen) vein/patch with 10-15% pyrite at lower contact to host rock.									
173.0	215.0	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		Separated by alteration zone from above unit!									
		Unit is generally as before (152.0-161.8) but feldspar + quartz phenocrysts are not as well defined and appear as "ghosts".									
		Micro-fractures with chlorite? infill.									
		3-5% pyrite disseminated throughout unit.	07874		172.0	173.0	100	4	34	<0.1	5
		173.0-174.0 "Rhyolite" intercollation, no sharp contacts, 15-20% pyrite disseminated throughout sub-unit.	07875		173.0	174.0	100	1	27	<0.1	5
		184.0 Unit appears to pick up more mafic constituents	07876		182.0	183.0	100	5	37	<0.1	<5
		Unit now darker green + phenocrysts of quartz + feldspar more distinct.	07877		183.0	184.0	100	6	34	<0.1	<5
		185.0 3-5% pyrite - 8-10% locally.	07878		188.5	189.5	100	9	46	<0.1	<5
		190.4 2cm quartz vein at 85 degree to core angle 2-3% pyrite, surrounding vein	07879		189.2	189.5	30	15	45	<0.1	5
		192.0-192.1 10cm quartz vein at 80 degrees to core angle with a tourmaline band at vein border with 3-5% pyrite surrounding vein.	07880		191.8	192.2	40	15	22	<0.1	5
		193.5-193.8 Host rock unit with 8-10% disseminated pyrite	07881		193.0	194.0	100	4	47	<0.1	15
			07882		204.0	205.0	100	7	40	<0.1	<5
		208.35-208.5 15cm quartz/minor carbonate vein at 60 degrees to core angle with chlorite band + tr to 1% pyrite.	07883		208.3	208.7	40	9	23	<0.1	90
215.0	232.2	SILICIFIED - MAFIC VOLCANIC (LOCAL QUARTZ LAPILLI)									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Generally as before (130.1-143.8) - dark greeny-grey. Evenly chloritic - occasional band + patches epidote.									
		1-3% pyrite as small individual stringers.	07884		216.0	217.0	100	31	68	<0.1	<5
		Occasional quartz feldspar porphyry fragments/intercollations? up to 30 cm length									
		Quartz feldspar porphyry dike/intercollations (222.0-223.0)									
		226.3-226.5 20cm host rock unit with quartz vein/ patches with 8-10% pyrite as stringers around quartz.	07885		226.2	226.6	40	35	106	<0.1	<5
		227.1-227.3 15-20cm mottled quartz vein/patch with host rock with 8-10% pyrite	07886		227.0	227.5	50	40	109	<0.1	<5
		228.6-228.7 10cm host rock unit with 8-10% pyrite as fine stringers.	07887		228.5	228.9	40	58	81	<0.1	<5
232.0	245.0	QUARTZ, FELDSPAR, PORPHYRY-DIKE?									
		Generally as before (173.0-215.0) but with 5-8%	07888		234.0	235.0	100	2	42	0.1	<5
		pyrite disseminated throughout unit. 8-10%	07889		235.0	236.0	100	4	34	<0.1	<5
		locally disseminated.	07890		236.0	237.0	100	2	37	<0.1	<5
			07891		237.0	238.0	100	4	33	<0.1	10
		Occasional pink feldspars.	07892		238.0	239.0	100	4	34	<0.1	<5
			07893		239.0	240.0	100	5	38	<0.1	35
		Micro fractures with epidote? infill generally at 38 degrees to core angle.	07894		240.0	241.0	100	6	37	<0.1	<5
245.0	248.4	MAFIC VOLCANIC - SILICEOUS	05199		245.0	248.4 whole rock					
		Generally as before (215.0-232.2) but unit appears to be less evenly chloritized and more siliceous - possibly due to "alteration zone" at lower contact?									
		3-5% pyrite disseminated throughout unit.	07895		246.0	247.0	100	27	50	<0.1	<5
		Unit picks up carbonate/quartz patches + 5-8%	07896		247.0	248.0	100	36	91	<0.1	<5
		pyrite towards end of unit.	07897		248.0	249.0	100	14	84	<0.1	<5
248.4	250.0	"ALTERATION ZONE" - SHEAR??									
		248.4-249.2 Host rock unit?? (mafic volcanic) is very very foliated with carbonate/quartz bands along foliation, 35 degrees to core angle - 10-15% very finely disseminated pyrite which appears to trend along foliation.									
		249.2-249.8 60 cm quartz/minor carbonate vein/patch with chlorite + tourmaline veinlets + patches with 8-10% pyrite.	07898		249.0	250.0	100	48	38	<0.1	20

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		249.4-249.5 10cm rhyolite/tuff unit in between quartz veins. This unit is very very foliated at 40 degrees to core angle and hosts 35-40% pyrite as bands along foliation.									
250.0	255.6	FELSIC VOLCANIC - ALT. RHYOLITE/TUFF?									
		Unit is aphanitic, light to medium grey. Reasonably well foliated to 40-45 degree to core angle.	05200		250.0	255.6 whole rock					
		Siliceous and somewhat "cherty" in sections.	07899		250.0	251.0	100	24	44	<0.1	5
		More foliated/banded close to "alteration zone".	07900		251.0	252.0	100	26	35	0.1	10
			07901		252.0	253.0	100	96	48	0.4	10
		5-8% pyrite + pyrrhotite disseminated throughout unit + 35-40% - 40-50% locally as bands/stringers along foliation	07902		253.0	254.0	100	37	59	<0.1	15
			07903		254.0	255.0	100	69	66	0.2	105
		Occasional micro-fractures with quartz/carbonate infill	07904		255.0	256.0	100	68	88	<0.1	40
255.6	287.3	MAFIC VOLCANIC									
		As before (215.0-232.2) but with occasional quartz, feldspar porphyry dikes?/intercollations at (263.0-264.5) + (269.3-271.7)									
		Unit picks up feldspar + epidote? spotting at approx. 273.0.									
		Micro-fractures with quartz-carbonate + epidote? infill.									
		Tr to 1% pyrite throughout unit.									
		258.3-258.7 Host rock unit with 8-10% pyrite in what appears to be carbonate + quartz vesicle infills. 15-20% pyrite locally as individual blobs.	07905		258.0	259.0	100	80	94	0.5	10
		264.7 2cm quartz vein at 88 degrees to core angle with 8-10% pyrite surrounding vein.	07906		264.5	264.8	30	33	85	<0.1	5
		From approx. 274.0m unit picks up a proliferation of epidote? stringers, micro-fractures, bands + irregular patches. Also minor feldspar spotting - foliation 40 degrees to core angle. 286.0-287.3 unit is very well foliated to 45 degrees to core angle - sharp lower contact to next unit.	07907		276.0	277.0	100	74	88	0.3	<5
			07908		283.0	284.0	100	52	68	<0.1	5
			07909		287.0	288.0	100	76	144	0.1	20
287.3	319.2	GABBRO - DIKE?									
		Generally as before (64.7-76.0m). Medium to coarse grained. Massive to very well foliated at 40 degrees to core angle. Dark green to greeny black. Unit is magnetic.									
		ALTERATION ZONE									
		287.3-288.0 Unit is very well foliated with feldspars stretched along foliation (40 degrees to core angle)									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		288.0-288.4 40cm felsic volcanic/rhyolite-tuff fragment/intercollation at 40 degrees to core angle with 25-30% pyrite, possibly 8-10% chalcopyrite.	07910		288.0	289.0	100	57	97	0.2	110
		288.4-291.0 Host rock unit very well foliated at 40 degrees to core angle with 2x3cm tourmaline + epidote patches at 288.6 and 289.1 - host rock with 15-20% pyrite.	07911		289.0	290.0	100	123	121	0.4	330
			07912		290.0	291.0	100	79	109	<0.1	10
			07913		291.0	292.0	100	83	89	0.1	10
		292.5-293.3 80 cm tourmaline, epidote host rock. Quartz, carbonate, very mottled patch with 15-20% pyrite and very minor chalcopyrite + pyrrhotite?	07914		292.0	293.0	100	79	122	0.1	15
			07915		293.0	294.0	100	36	53	0.4	290
		293.8-294.0 20cm felsic-volcanic/rhyolite tuff unit which is very foliated to 40 degrees to core angle with 25-30% pyrite, very minor chalcopyrite.									
		By 294.5 host rock unit appears to be back to normal No foliation, mottling, etc.	07916		294.0	295.0	100	55	122	0.2	65
			07917		295.0	296.0	100	82	127	<0.1	10
			07918		296.0	297.0	100	47	91	0.1	10
			07919		313.0	314.0	100	76	82	0.2	10
			07920		317.0	318.0	100	97	79	0.1	10
319.2	323.0	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before (173.0-215.0) but with 1-2% pyrite.	07921		321.0	322.0	100	19	45	<0.1	10
	323.0	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-3-87

NAME OF PROPERTY: Daniel
HOLE NO.: DT-3-87 LENGTH: 220.5 metres
LOCATION: Claim No. 374017-2/374018-2
LATITUDE: 1+00 N DEPARTURE: L3+00E
ELEVATION: AZIMUTH: S 210 deg. DIP: -60 deg
STARTED: November 24/87 FINISHED: November 27/87

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
31	58	-56.7	100	55	-55.80
31	58	-55.3	100	55	-48.90
200	52	-53.8			
200	52	-40.53			

Second survey done on November 5, 1987 and first survey done on December 2, 1987.

FOOTAGE FROM	FOOTAGE (meters) TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	Footage To	Footage Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	31.0	CASING									
31.0	51.6	QUARTZ, FELDSPAR, PORPHYRY - DIKE									
		Unit is medium to coarse grained, with quartz + feldspar. Grains to 5mm dia., massive, light to med. greyish-green. Mafic constituents to 35-40%.	05201		31.0	whole rock					
		1-3% pyrite - 3-5% locally disseminated.									
		Occasional micro-fractures with epidote? infill. Some micro-fractures show displacement by fracturing.									
		Unit appears to alter in grain size - fine to medium to coarse grained. Locally.									
		Occasional quartz + quartz-carbonate veins with no preferred direction.									
		34.1-34.3 20cm long/1cm wide quartz vein. At 15 degrees to core angle with 1-3% pyrite as clumps in vein + 2-3% pyrite surrounding vein in host rock.	07923	tr-<1	34.1	34.4	30	18	61	0.3	10

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		41.5 1cm quartz vein at 90 degrees to core angle with 75-80% pyrite as large clumps.	07924	tr-<1	41.3	41.6	30	22	55	<0.1	20
			07925	2-3	43.0	44.0	100	12	50	0.1	15
		47.25 1 1/2cm quartz - carbonate vein at 90 degrees to core angle with 1-3% pyrite surrounding vein.	07926	tr-<1	47.1	47.4	30	5	41	0.3	35
		47.65 2cm quartz vein at 90 degrees to core angle with 25-30% pyrite as clumps.	07927	tr-<1	47.4	47.8	40	73	30	0.1	50
		48.7 1cm quartz vein at 40 degrees to core angle with 15-20% pyrite.	07928	tr-<1	48.6	48.9	30	14	53	0.1	10
		50.75 2cm chlorite, carbonate, quartz vein at 40 degrees to core angle, 45-50% pyrite with minor chalcopyrite.	07929	2-3	50.6	50.9	30	699	237	<0.1	70
		Unit appears to get more mafic with large xenoliths of chlorite to 20mm dia. after 50m - gabbroic phases?									
		Unit ends at 51.6 with sharp contact at 25-30 degrees to core angle.	07930	1-3 py	51.0	52.0	100	53	135	0.1	15
51.6	57.5	FELSIC - INTERMEDIATE VOLCANIC									
		Unit is aphanitic to very fine grain, massive to very weakly foliated to 50 degrees (approx.) to core angle, medium to dark greyish-green; chlorite zones, micro-fractures with epidote? infill - intercollations/fragments. Quartz feldspar porphyry.	05202		51.6	57.5 whole rock					
		1-2% pyrite disseminated throughout unit.	07931	1-2 py	52.5	53.5	100	36	104	0.1	10
		53.5-54.7 Quartz feldspar porphyry intercollation/fragment with sharp contact to host rock.									
		55.0 1cm quartz vein at 50 degrees to core angle with 1-2% pyrite in and surrounding vein. Vein offset 1/2cm by micro-fracture.	07932	tr-1	54.9	55.2	30	26	83	0.2	30
		Lower contact sharp at 45 degrees to core angle.									
57.5	63.1	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before (31.0-51.6) but with pinkish feldspars k-spar alteration?									
		Upper and lower contacts sharp and at 45 degrees to core angle.									
		tr to 1% pyrite disseminated throughout unit.	07933	tr-1	59.5	60.5	100	17	43	0.2	<5
63.1	67.9	INTERMEDIATE - MAFIC VOLANIC									
		Unit is aphanitic to very fine grained, massive to weakly foliated at 45-50 degrees to core angle, dark	05203		63.1	67.8 whole rock					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		greeny grey to greeny black. Unit is very finely but not heavily biotitic, and siliceous in sections - chlorite + quartz abundant. Unit may be an alteration of above unit? Micro-fracture with quartz + carbonate common.									
		Rhyolite intercollation at 66.0 - 66.3 at 12 degrees to core angle.									
		Sharp but irregular lower contact.									
		Tr to <1% pyrite throughout unit.	07934	tr-<1 py	66.5	67.5	100	34	49	0.1	<5
67.9	69.6	ALTERED GABBRO - DIKE?									
		Unit is very fine to fine grained. Massive, dark greeny -black. Unit is reasonably well chloritized with lumpy surface - chlorite weathered?	05204	whole rock	67.9	69.6					
		Abundant irregular carbonate/quartz vein/micro-fracture infill. Occasional carbonate/quartz veins at 60 degrees to core angle. Unit is not magnetic.									
		68.9-64.3 2x2cm carbonate/quartz veins at 60 degrees to core angle with 3-5% pyrite.	07935	tr-<1 py	68.8	69.4	60	62	80	<0.1	10
69.6	77.5	INTERMEDIATE - MAFIC VOLCANIC - FRAGMENTAL									
		Generally as before (63.1-67.9) but with quartz, quartz/ carbonate + felsic-intermediate volcanic fragments.									
		Unit is locally schistose - generally between 73.3-74.0.									
		Tr to 1% pyrite disseminated with 5-8% locally.	07936	1-<2 py	74.7	75.7	100	41	118	0.4	95
		Micro-fractures with quartz/carbonate infill.									
		Occasional fragments/intercollations of quartz feldspar porphyry.									
77.5	79.7	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before at (57.5-63.1) but with intermediate mafic volcanic fragments at upper contact.									
		As before - upper and lower contacts reasonably sharp but irregular. Local section with rectangular phenocrysts of feldspar.									
		1-2% pyrite disseminated throughout unit.									
79.7	82.2	INTERMEDIATE - MAFIC VOLCANIC - FRAGMENTS?									
		As before at (69.6-77.5) but unit is much more foliated - possibly due to proximity to alteration/shear zone? At 40 degrees to core angle. Very chloritized.	07937	2-3 py	79.0	80.0	100	25	77	0.1	80
		2-3% pyrite throughout unit with up to 5-8% as vuggy stringers along foliation.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		80.4-80.9 50cm host rock unit which is very chloritized with 8-10% pyrite. Locally as vuggy stringers along foliation.	07938	4-6 py	80.0	81.0	100	82	126	0.1	20
			07939	3-5 py	81.0	82.0	100	246	110	0.6	20
82.2	87.8	ALTERED QUARTZ, FELDSPAR, PORPHYRY - ALT. ZONE/SHEAR?									
		Unit as above (77.5-79.7) until 82.8. At 82.8 unit appears to loose its quartz + feldspar phenocrysts and gain quartz eyes to 5mm dia. along a very distinct foliation of 50 degrees to core angle, with occasional chlorite fragments and 1-2% pyrite. At 82.8 unit gets very well foliated with 10-15% pyrite for 10cm.	05205		82.2	82.8 whole rock					
			07940	tr-<1 py	82.0	83.0	100	21	35	0.1	25
			07941	1-2 py	83.0	84.0	100	13	27	0.1	35
		84.6 to 84.7 10cm alteration zone with host rock, quartz + carbonate, tourmaline + epidote? veinlets along foliation. At 40 degrees to core angle - up to 1-2% pyrite in this 10cm.	07942	1-2 py	84.0	85.0	100	15	54	0.1	20
		84.55-84.9 Unit resembles an intermixture of intermediate to mafic volcanic + host rock unit. Very well foliated at 40 degrees to core angle. Tr to 1% pyrite.									
		84.9-86.0 (approx.) Intermediate to mafic volcanic intercollation/fragment with 30-40 degrees. Very fine quartz eyes along very distinct foliation.	05206		84.9	86.0 whole rock					
		45 degrees to core angle, unit has 5-8% pyrite disseminated as clumps + stringers. Unit is also very chloritized as above unit (79.7-82.2).	07943	3-4 py	85.0	86.0	100	266	158	0.3	115
		86.0-87.8 Altered quartz feldspar porphyry with quartz eyes along foliation at 50 degrees to core angle.	07944	tr-1 py	86.0	87.0	100	9	37	0.1	10
		86.15 5cm quartz/very minor tourmaline vein at 55 degrees to core angle.									
		At 86.7-86.8 host rock unit with pink k-spar alteration. Tr to <1% pyrite.	07945	tr-<1 py	87.0	88.0	100	18	46	<0.1	10
		Sharp lower contact to 30 degrees to core angle.									
87.8	93.2	ALTERED INTERMEDIATE VOLCANIC - DACITE? FRAGMENTAL									
		Unit is aphanitic to very fine grained, olive greeny-grey to greeny grey - massive to very weakly foliated.	05207		87.8	93.2 whole rock					
		Proliferation of epidote? Spotting, micro-fracture infill + epidote rimming of chlorite fragments. Epidote alteration?	07946	3-4 py	89.0	90.0	100	45	91	0.1	20
		Micro-fractures with quartz + carbonate infill.									
		1-2% py disseminated throughout unit with 3-5% locally.	07947	3-4 py	92.0	93.0	100	35	74	0.4	25
93.2	97.7	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Generally as before (72.5-79.7) but with pink k-spar alteration of feldspar phenocrysts.	07948	tr-1 py	95.0	96.0	100	7	48	0.1	10
		Tr - 1% pyrite.									
97.7	102.4	INTERMEDIATE VOLCANIC - DACITE? FRAGMENTAL									
		Generally as before (79.7-82.2) but with less fragments + unit is dacitic?									
		Unit also incorporated quartz feldspar porphyry fragments/ intercollations (100.4 - 101.1).									
		2-3% py disseminated throughout unit with 5-8% locally.									
		100.0-100.4 40cm host rock unit with 25-30% pyrite.	07949	15-20 py	99.9	100.4	50	32	98	0.3	10
102.4	111.6	FELSIC INTERMEDIATE VOLCANIC - FRAGMENTAL									
		Generally as before (97.7-102.4) but more siliceous, felsic, lighter green. Occasional quartz/carbonate chlorite fragments. 3-5% pyrite throughout unit. 5-8% very locally.	07950	4-6 py	102.0	103.0	100	64	74	0.2	5
			07951	4-6 py	103.0	104.0	100	25	79	0.2	5
			07952	4-6 py	105.0	106.0	100	19	89	0.1	10
			07953	4-6 py	106.0	107.0	100	17	107	0.1	<5
			07954	4-6 py	107.0	108.0	100	11	94	0.1	10
			07955	4-6 py	108.0	109.0	100	13	62	0.2	10
			07956	4-6 py	109.0	110.0	100	55	203	0.2	10
		110.15 * .5cm chalcopyrite vein at 85 degrees to core angle - 80% cpy	07957	3-5 sph 1-2 cp+py	110.0	110.6	60	2275	13650	1.7	325
			07957	re-assayed (pct)			0.23	1.34			
		110.25-110.35 1cm wide, 10cm long *sphalerite, minor chalcopyrite, minor pyrite vein at 30 degrees to core alge - 80-85% sph, minor py + cpy.									
		110.4 3mm wide cpy + py veinlet at 22 degrees to core angle.									
			07958	1-2 py tr-1 cpy	110.6	111.6	100	118	309	0.2	10
111.6	135.5	ALTERED GABBRO									
		Unit is as before (67.9-69.6) but unit is altered with proliferation of carbonate + quartz carbonate veins/patches + stringers. Unit is very magnetic with up to 10-15% magnetic?									
		Micro-fractures with carbonate + quartz + epidote infill. Frequent chlorite fragments.									
		Sharp upper contact at 40 degrees to core angle.									
		111.6-111.9 chilled margin - very fine grained.									
		Occasional feldspar spotting.	07959	3-5 py	115.5	116.5	100	370	152	0.5	85
		2-3% pyrite throughout unit. Disseminated.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		112.3 1cm quartz + carb vein at 88 degrees to core angle with 35-40% pyrite.	07960	3-5 py	112.1	112.4	30	34	156	<0.1	10
		112.5 3cm quartz vein at 75 degrees to core angle with 3-5% pyrite	07961	tr-1 py	112.4	112.7	30	77	111	0.1	10
		123.85 2cm quartz patch/vein in fragments with epidote surrounding fragments + 2-3% pyrite in vein	07962	tr-1 py	123.7	124.0	30	180	100	<0.1	15
			07963	2-3 py	122.7	123.7	100	97	148	0.1	110
			07964	3-5 py	124.0	125.0	100	159	120	0.1	40
			07965	3-5 py	125.0	126.0	100	135	105	0.2	330
			07966	3-5 py	127.0	128.0	100	179	79	0.1	120
			07967	3-5 py	128.0	129.0	100	4169	91	0.4	35
			07967	re-assayed (pct)				0.40			
		129.75 7cm quartz vein at 90 degrees to core angle with 3-5% yellowy pyrite? surrounding vein.									
		At 129.85 2cm host rock unit with quartz fragment with 15-20% pyrite	07968	5-8 py	129.7	130.0	30	260	70	0.1	10
		130.4 3cm host rock unit with quartz fragments with 15-20% py	07969	3-5 py	130.3	130.6	30	273	73	0.1	10
		134.2-134.4 20cm irregular quartz patch with 3-5% py	07970	1-2 py	131.0	131.5	50	403	78	0.2	20
135.5	138.4	QUARTZ, FELDSPAR, PORPHYRY - DIKE									
		Generally as before (72.5-79.7) with chlorite fragments.									
		135.5-136.3 80cm fracture/pyrite vein? parallel to core angle with a 1-2cm wide zone of 75-80% pyrite	07971	15-20 py	135.4	136.4	100	12	58	0.4	25
138.4	154.6	GABBRO									
		As above (111.6-135.5) but with numerous quartz feldspar porphyry intercollations.									
		Ocassional small veinlets/stringers + disseminated pyrite	07972	2-3 py	138.4	139.4	100	194	95	0.3	65
			07973	1-2 py	143.0	144.0	100	248	100	0.2	40
		No prefered orientation.	07974	1-2 py	146.6	147.6	100	113	70	0.2	10
		150.0 1 to 3cm quartz vein at 40 degrees to core angle with a 1/2 cm wide yellow? pyrite vein/stringer in the center. 15-20% pyrite in and around vein with possibly 1-2% interstitial chalcopyrite.	07975	2-3 py	149.2	150.2	30	377	69	0.3	10
154.6	156.7	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before (135.5-138.4) since this is a small unit its possible it may be an intercollation/fragment? - unit with chlorite fragments	07976	tr-1 py	155.3	156.5	100	73	77	0.2	20
156.7	164.6	GABBRO									
		As before (138.6-154.6) but with epidote spotting banding/patches. 164.0-164.6 Unit gets very finer	07977	2-3 py	162.0	163.0	100	99	71	0.1	5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		in grain size + has quartz + carbonate vein/micro-fractures (chilled margin?) fine hornblende lathes between 161.0-163.5.									
164.6	179.6	INTERMEDIATE - MAFIC VOLCANIC - DACITE?									
		Generally as before (63.1-67.9) unit gets more felsic towards end of unit - dacite? Unit is generally massive, but locally foliated - epidote? + feldspar spotting.									
		Occasional bands + stringers of pyrite to 20-25% but generally 2-3% throughout unit disseminated.									
		166.2 and 166.3 2xlcm quartz veins at 40 degrees to core angle, barren, but 2-3% pyrite surrounding veins.	07978	2-3 py	166.0	166.4	40	49	44	<0.1	5
		3-5% pyrite as small stringers + disseminated.	07979	3-5 py	166.4	167.4	100	101	98	<0.1	5
			07980	3-5 py	167.4	168.4	100	354	127	0.2	20
			07981	3-5 py	172.0	173.0	100	69	174	<0.1	10
			07982	3-5 py	173.0	174.0	100	17	157	0.1	10
			07983	3-5 py	174.0	175.0	100	23	94	0.1	5
			07984	3-5 py	175.0	176.0	100	47	94	<0.1	5
			07985	3-5 py	179.0	180.0	100	73	127	<0.1	10
179.6	182.3	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		Generally as before at (154.6-156.7) possible dyke + fragment?									
		2-3% disseminated pyrite									
182.3	204.6	FELSIC VOLCANIC - RHYOLITE									
		Unit is aphanitic. Massive to weakly foliated - well foliated locally, light to medium grey, very fine quartz eyes locally.	05208		182.3	204.6 whole rock					
		Unit is very siliceous and somewhat "cherty".									
		Locally schistose with waxy, shiny fracture surface.									
		Epidote? Carbonate patches in mottled fashion locally.									
		8-10% pyrite as veinlets, stringers and as clumps throughout unit.									
		181.0-184.0 300cm host rock unit which is med. to dark greeny grey possibly an intermixing with a felsic intermediate volcanic unit. Unit is well foliated to 30 degrees to core angle, and schistose on fracture surface with 5-8% pyrite + tr-<1% sphalerite as clumps to 5mm dia. + as veinlets + stringers along foliation.	07986	2-5 py	181.0	182.0	100	68	2975	0.1	10
			07986	re-assayed (pct)					0.31		
				tr-<1 py							
			07987	"	182.0	183.0	100	70	497	<0.1	20
			07988	"	183.0	184.0	100	25	362	0.7	25
		186.6 + 186.9 2x3cm quartz veins at 50 degrees to core angle with 1-2% pyrite but 8-10% in unit.	07989	8-10 py	186.5	187.5	100	16	80	0.5	20

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Occasional chlorite bands/fragments common after 197.0 meters.									
		8-10% pyrite as veinlets, stringers + clumps throughout unit.	07990	8-10 py	187.5	188.5	100	3	64	0.6	10
			07991	8-10 py	188.5	189.5	100	5	91	0.1	10
			07992	8-10 py	189.5	190.5	100	7	46	<0.1	10
			07993	8-10 py	190.5	191.5	100	3	29	0.1	10
			07994	8-10 py	191.5	192.5	100	3	24	0.1	<5
			07995	8-10 py	192.5	193.5	100	3	27	<0.1	5
			07996	8-10 py	193.5	194.5	100	3	32	0.1	5
			07997	8-10 py	194.5	195.5	100	4	34	<0.1	5
			07998	8-10 py	195.5	196.5	100	2	30	<0.1	<5
			07999	8-10 py	196.5	197.5	100	4	36	<0.1	<5
			08000	8-10 py	197.5	198.5	100	5	36	<0.1	5
			08001	8-10 py	198.5	199.5	100	5	36	<0.1	10
			08002	8-10 py	199.5	200.5	100	4	43	<0.1	40
			08003	8-10 py	200.5	201.5	100	4	31	0.1	15
			08004	8-10 py	201.5	202.5	100	4	26	<0.1	5
			08005	8-10 py	202.5	203.5	100	8	35	<0.1	5
			08006	8-10 py	203.5	204.5	100	10	44	<0.1	<5
			08007	8-10 py	204.5	205.5	100	24	67	<0.1	<5
204.6	206.5	BLEACHED GABBRO? - DIKE?									
		Unit is fine to medium grained. Massive to weakly foliated. Light to medium greeny-grey - abundant feldspars?	05209	whole rock	204.6	206.5					
		Very carbonatized + chloritic due to softness - scratch leaves light green powder.	08008	3-5 py	203.5	206.5	100	67	48	<0.1	5
		50% mafics, 50% felsics									
		Lumpy - bumpy erosional surface - due to chlorite?									
		3-5% pyrite disseminated throughout unit.									
206.5	211.4	FELSIC VOLCANIC - RHYOLITE - FRAGMENTAL									
		As before at (182.3-204.6) but with bleached gabbro/ chlorite fragments.									
		10-15% pyrite as bands, patches, clumps. Veinlets + stringers along weak foliation of 30 degrees to core angle.	08009	10-15 py	206.5	207.5	100	17	28	<0.1	<5
			08010	10-15 py	207.5	208.5	100	6	36	<0.1	<5
			08011	10-15 py	208.5	209.5	100	18	24	<0.1	10
			08012	10-15 py	209.5	210.5	100	5	30	<0.1	<5
			08013	10-15 py	210.5	211.5	100	7	42	0.1	<5
211.4	214.7	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before at (179.6-182.3) but with 3-5% pyrite disseminated throughout unit.	08014	3-5 py	211.5	212.5	100	3	46	<0.1	5
			08015	3-5 py	212.5	213.5	100	3	39	<0.1	<5
214.7	220.5	ALTERED RHYOLITE									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Generally as before at 206.05-211.4 but unit is well foliated at 40 degrees to core angle. Unit is also "sericitic" and schistose. Frequent zones resembling quartz feldspar porphyry - fragments?	08016	8-10 py	213.5	214.5	100	3	36	<0.1	<5
			08017	8-10 py	214.5	215.5	100	3	28	0.1	<5
			08018	8-10 py	215.5	216.5	100	5	30	0.1	5
			08019	8-10 py	216.5	217.5	100	3	25	<0.1	<5
			08020	8-10 py	217.5	218.5	100	2	29	<0.1	<5
			08021	8-10 py	218.5	219.5	100	3	39	<0.1	<5
			08022	8-10 py	219.5	220.5	100	3	85	<0.1	<5
		8-10% pyrite as fine stringers along foliation + disseminated.									
	220.5	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-4-87

NAME OF PROPERTY: Daniel
HOLE NO.: DT-4-87 LENGTH: 398 meters
LOCATION: Claim No. 374017-2/374018-2
LATITUDE: 2+00 N DEPARTURE: L3+00E
ELEVATION: AZIMUTH: S 210 deg. DIP: -60 deg
STARTED: November 28/87 FINISHED: December 4/87

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
29	-57	-56.8	100	-55	-56.80
200	-55	-55.2	300	-54	-54.40
398	-52	-52.70			

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	24.0	CASING									
24.0	59.9	FELSIC - INTERMEDIATE VOLCANIC - FRAGMENTAL?									
		Unit is aphanitic to very dine grained, massive to very weakly foliated locally, light grey-green to greeny-grey.	05210		24.0	59.9 whole rock					
		Unit is altered due to close proximity to fault.	08023	3-5 py	28.0	29.0	100	208	110	0.3	5
		Silicified zones, feldspar spotting locally.									
		Micro-fractures with quartz + carbonate + epidote? infill.									
		Many units appear mottled together + fragmental?									
		Somewhat blocky + vuggy core locally - vug infill by pyrite grains.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		3-4% pyrite - 8-10% very locally as fine stringers, vug infill, clots, patches + disseminated.									
		32.8 3cm quartz/carbonate vein at 50 degrees to core angle, tr py.	08024	tr-1 py	32.6	32.9	30	99	174	0.2	<5
			08025	3-5 py	34.0	35.0	100	84	230	0.2	<5
		37.3 2cm quartz vein at 30 degrees to core angle offset 1cm by micro-fracture. Tr sulphides.	08026	tr-1 py	37.2	37.5	30	49	420	<0.1	<5
		40.8 5cm quartz + carbonate patch with 1-3% pyrite	08027	2-3 py	40.7	41.0	30	76	352	0.1	<5
		8-10% py locally as veinlets + stringers + clumps	08028	2-3 py	44.7	45.7	100	174	566	0.4	<5
			08029	2-3 py	45.7	46.7	100	391	388	0.3	5
			08030	2-3 py	46.7	47.7	100	135	426	0.3	<5
		49.15 5cm quartz vein at 20 degrees to core angle with 1-2% pyrite	08031	2-3 py	49.0	49.3	30	150	2720	0.4	5
			08031	re-assayed (pct)					0.26		
		50.3-50.6 30cm very altered host rock unit (carbonatized) with proliferation of vugs with 15-20% pyrite infill	08032	15-20 py	50.2	50.6	40	51	555	0.3	10
		51.2-51.4 20cm host rock unit with 15-20% py concentrated as 5mm dia. clumps.	08033	8-10 py	51.1	51.5	40	54	562	0.3	<5
			08034	5-8 py	51.6	52.6	100	31	764	0.1	<5
		54.8 3cm quartz vein at 50 degrees to core angle tr to <1% py.	08035	1-2 py	54.7	55.0	30	31	352	0.1	<5
		*56.2-61.0 "FAULT" unit appears much more felsic (rhyolite) but hard to tell? Unit is very altered	08036	20-25 py	56.0	57.0	100	42	63	0.3	<5
			08037	20-25 py	57.0	58.0	100	271	21	0.3	<5
		powdery, blocky, schistose, brittle, mottled and	08038	20-25 py	58.0	59.0	100	378	25	0.3	<5
		vuggy with 15-20% py - 30-40% locally.	08039	20-25 py	59.0	60.0	100	48	41	0.2	<5
			08040	20-25 py	60.0	61.0	100	49	92	0.4	<5
		Some yellowy pyrite throughout - chalcopyrite?									
59.9	62.9	QUARTZ, FELDSPAR, PORPHYRY DIKE									
		*Late stage dike - rock is unaltered in the middle of fault zone - postdates fault!!	05211		59.9	62.9					
					whole rock						
		Unit is medium to coarse grained, massive, light to medium greeny-grey with quartz + feldspar phenocrysts to 5mm dia.	08041	tr-<1 py	61.0	62.0	100	14	64	<0.1	<5
		Micro-fractures with epidote infill.									
		Tr to 1% pyrite.									
			08042	tr-1 py	62.0	63.0	100	25	69	<0.1	<5
*FAULT											
62.9	75.5	ALTERED RHYOLITE/TUFF? - *"FAULT ZONE"									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Unit is aphanitic to very fine grained, very well foliated, when visible to 30-35 degrees to core	05212	25-30 py	62.9	75.5 whole rock					
		angle; light to medium grey. Unit banded locally	08043	25-30 py	63.0	64.0	100	130	86	0.3	10
		(tuff). Also sericitic, on fracture surface; micro	08044	25-30 py	64.0	65.0	100	349	54	0.1	10
		-folding common with very mottled bands.	08045	25-30 py	65.0	66.0	100	30	47	0.5	<5
		Unit is highly altered, blocky, soft, schistose,	08046	25-30 py	66.0	67.0	100	12	20	0.2	<5
		powdery, tuffaceous, vuggy.	08047	25-30 py	67.0	68.0	100	20	12	<0.1	<5
		25-30% pyrite as secondary mineralization throughout	08048	25-30 py	68.0	69.0	100	16	8	0.1	<5
		unit disseminated + in vugs + up to 50-60% locally	08049	25-30 py	69.0	70.0	100	16	17	0.1	<5
		in unit up to 30-40cm	08050	25-30 py	70.0	71.0	100	24	40	<0.1	<5
		Very heavily mineralized throughout as bands, patches	08051	25-30 py	71.0	72.0	100	24	35	<0.1	<5
		clumsp, etc.	08052	25-30 py	72.0	73.0	100	23	32	<0.1	<5
		Occasional zones of yellowy pyrite - interstitial	08053	10-15 py	73.0	74.0	100	46	67	0.1	<5
		chalcopyrite?	08054	10-15 py	74.0	75.0	100	43	76	<0.1	<5
		Common greenish - turquoise spots + bands - copper oxide staining?	08055	10-15 py	75.0	76.0	100	25	93	0.1	<5
		68.0-69.0 "Water seam" rock, very very altered blocky.									
75.5	109.2	FELSIC - INTERMEDIATE VOLCANIC - FRAGMENTAL?									
		Generally as above (24.0-59.9) but slightly more	08056	9-12 py	76.0	77.0	100	45	90	<0.1	<5
		siliceous - less chloritic (although rock still	08057	9-12 py	77.0	78.0	100	36	74	0.1	<5
		powders light green) epidote? spotting.	08058	9-12 py	78.0	79.0	100	55	73	0.2	<5
		FAULT from 75.5 to 81.0 meters	08059	9-12 py	79.0	80.0	100	12	65	0.2	<5
		Host rock blocky, but very altered only locally!	08060	9-12 py	80.0	81.0	100	35	81	<0.1	<5
		with soft crumbly host rock, brittle, powdery,	08061	9-12 py	81.0	82.0	100	94	134	0.3	<5
		soapy, etc.									
		9-12% pyrite disseminated throughout unit.									
		By 82.0 host rock is less altered, better core recovery.									
		89.5-89.7 20cm host rock unit with epidote/carbonate vuggy veinlets with 15-20% pyrite in vugs.	08062	5-8 py	89.4	89.8	40	56	95	0.1	<5
		93.3-93.6 30cm host rock unit with 2 x 1/2cm pyrite veinlets at 40 degrees to core angle. 25-30% pyrite.	08063	8-10 py	93.3	93.6	30	83	235	0.2	<5
		99.8-99.9 10cm host rock unit with siliceous bands with 10-15% pyrite	08064	8-10 py	99.7	100.0	30	35	118	0.2	10
		*104.2-104.6 40cm rhyolite/tuffaceous looking banded unit (fragment)? at 35 degrees to core angle - very schistose. 15-20% py as bands + stringers.	08065	10-15 py	104.0	104.6	60	512	350	0.7	60
		106.2-106.6 Quartz, feldspar, porphyry intercollation/frag?									
		108.2 3cm carbonate/pyrite vein/patch at 40 degrees to core angle with 60-70% pyrite	08066	8-10 py	108.0	108.3	30	198	280	0.4	10

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		*108.8-109.2 40cm unit resembling a rhyolite/ tuffaceous banded unit - foliated to 35 degrees to core angle with bands + veinlets of pyrite to 35%.	08067	10-15 py	108.7	109.3	60	141	204	0.9	70
109.2	116.2	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before at (59.9-62.9) but with pronounced pink k-spar (feldspar) alteration. Tr to 1% disseminated pyrite.	08068	tr-<1 py	110.0	111.0	100	56	89	<0.1	<5
116.2	131.6	FELSIC INTERMEDIATE VOLCANIC									
		As above unit (75.5-109.2)									
		125.1 3cm quartz/carbonate vein at 90 degrees to core angle with 15-20% finely disseminated pyrite.	08069	tr-1 py	125.0	125.3	30	66	248	0.4	10
		129.8 3cm quartz/carbonate vein at 90 degrees to core angle with 15-20% pyrite.	08070	tr-1 py	129.7	130.0	30	27	227	0.2	<5
131.6	149.4	MASSIVE FELSIC VOLCANIC									
		Unit is aphanitic, massive, light to medium grey, siliceous and somewhat "cherty" locally. Local zones of feldspar spotting - micro-fractures with quartz/ carbonate infill.	05213		131.6	149.4 whole rock					
		3-5% pyrite throughout unit as stringers, clumps + disseminated.									
		*131.6-132.0 40cm unit which appears to be tuffaceous-banded rhyolite? with pyrite bands up to 35-40% to 40 degrees to core angle.	08071	15-20 py	131.5	132.1	60	323	87	0.5	1720
			08071	re-assayed (opt)							0.014
			08072	3-5 py	134.0	135.0	100	42	113	0.2	10
		140.0-149.4 host rock unit is vuggy with pyrite infill to 15-20%.	08073	5-8	142.0	143.0	100	36	77	0.2	10
			08074	5-8	143.0	144.0	100	21	96	<0.1	<5
			08075	5-8	144.0	145.0	100	20	123	0.2	<5
			08076	5-8	145.0	146.0	100	42	114	0.2	5
			08077	5-8	146.0	147.0	100	34	101	0.1	5
		147.4-147.8 40cm fine grain bleached gabbro dike/ intercollation	08078	5-8	147.0	148.0	100	85	582	<0.1	<5
			08079	5-8	148.0	149.0	100	40	102	<0.1	<5
149.9	152.2	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before (59.9-62.9) but no pink k-spar alteration. Tr-1% pyrite.									
152.2	161.9	FELSIC TO INTERMEDIATE VOLCANIC									
		Generally as before (131.6-149.4) but at 156.7 to end of unit - intermediate volcanic.									
		157.5-158.5 host rock unit with intermediate (chloritic) appearance. 3-4% pyrite.	08080	3-4 py	157.5	158.5	100	49	105	<0.1	<5

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
		158.5-161.9 Unit is more mafic with intermottled patches of light green siliceous felsic volcanic material which appears to be cherty. 3-5% pyrite.	08081	3-5 py	158.5	159.5	100	45	111	<0.1	5
			08082	3-5 py	159.5	160.5	100	71	163	<0.1	5
			08083	3-5 py	160.5	161.5	100	92	96	<0.1	10
			08084	3-5 py	161.5	162.5	100	44	81	<0.1	10
161.9	166.9	QUARTZ, FELDSPAR, PORPHYRY DIKE?									
		As before at (149.9-152.2) generally larger phenocrysts of feldspar.									
166.9	183.5	INTERMEDIATE TO MAFIC VOLCANIC									
		Generally as before at 156.7-161.9 but unit is less silicified and more evenly chloritized									
		Aphanitic to very fine grained. Medium to dark greeny-grey.									
		Occasional sections with feldspar spotting.									
		Epidote band + patches + spotting + micro-fracture infill common.									
		Massive to very weakly foliated to 35-40 degrees approx. to core angle.	08085	5-3 py	169.0	170.0	100	49	81	<0.1	<5
		1-3% pyrite throughout unit as bands + patches, stringers + disseminated.									
		Occasional vugs with pyrite/quartz crystal infill.	08086	3-5 py	171.9	172.9	100	49	68	<0.1	5
		Very occasional yellowy-siliceous "cherty" bands at 30-40 degrees to core angle.	08087	2-3 py	180.5	181.5	100	90	130	<0.1	5
183.5	235.7	QUARTZ FELDSPAR PORPHYRY - DIKE?									
		As before at 161.9-166.9 - 1-3% disseminated pyrite	08088	1-3 py	188.0	189.0	100	33	61	<0.1	10
			08089	1-3 py	200.0	201.0	100	23	45	<0.1	5
			08090	1-3 py	212.0	213.0	100	26	85	<0.1	10
			08091	1-3 py	218.0	219.0	100	24	71	0.1	70
			08092	1-3 py	224.0	225.0	100	44	95	<0.1	30
		233.15 2cm quartz vein at 30 degrees to core angle with 1-3% pyrite as clumps.	08093	tr-1 py	233.0	233.3	30	82	72	<0.1	10
235.7	237.2	MAFIC VOLCANIC									
		Unit is aphanitic, massive, dark green to greeny black, evenly chloritized, very finely but not heavily biotitic, feldspar + epidote? spotting.	05214		235.7	237.2 whole rock					
		1-2% pyrite disseminated.									
237.2	245.3	QUARTZ, FELDSPAR, PORPHYRY DIKE									
		As before at 183.5-235.7 but with epidote? spotting. 1-2% pyrite disseminated throughout unit.									
245.3	260.25	MAFIC VOLCANIC									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		As before at 235.7-237.2 but with fracture surface with reddish-brown weathered mineral - hematite? Also unit is slightly magnetic from 245.3-248.0 (magnetite-accessory mineral). 1-3% pyrite. Unit gets lighter in color after 248.0 - loosening magnetite + biotite?	08094	1-3 py	245.0	246.0	100	30	103	<0.1	40
		After 250.0m unit is very weakly foliated at 40 degrees to core angle.									
		250.2-250.9 Quartz feldspar porphyry fragment/intercollation.									
		251.1-251.3 20cm long, 2cm wide quartz vein at 20 degrees to core angle with 1-2% pyrite.	08095	tr-1 py	251.0	251.3	30	96	96	<0.1	5
		*"FAULT"/SHEAR?									
		251.8-252.5 70cm host rock unit which is very well foliated + blocky, + fault gouge, micro-folding, etc.. foliated to 40 degrees to core angle.	08096	tr-1 py	251.3	252.5	100	102	103	<0.1	5
		254.0-257.0 Host rock unit with proliferation of epidote spotting along minor foliation at 45 - 50 degrees to core angle.									
260.25	301.2	GABBRO - DIKE?									
		Unit very fine to fine grained, massive to weakly foliated to 40 degrees (approx.) to core angle. Very fine phenocrysts of quartz seen to 1mm dia.	05216		260.25	301.2 whole rock					
		Micro-fractures with quartz + carbonate infill + pyrite + yellowy pyrite - chalcopyrite??									
		Also - epidote patch + bands + micro-fracture infill.									
		1-3% pyrite - 15-20% locally.									
		261.1-261.5 40cm host rock unit with 15-20% py.	08097	15-20 py	261.1	261.5	40	140	95	0.1	10
		Reddish-brown fracture surface staining common - hematite?									
			08098	1-3 py	271.5	272.5	100	78	146	<0.1	175
			08099	1-3 py	272.5	273.5	100	99	126	<0.1	220
			08100	2-3 py	274.8	275.8	100	100	82	<0.1	10
			08101	1-3 py	276.3	277.3	100	229	68	<0.1	10
			08102	1-3 py	280.0	281.0	100	181	124	0.1	465
		289.0-289.2 20cm quartz vein/patch with 8-10% pyrite	08103	3-5 py	288.9	289.4	50	119	75	0.1	35
		1-3% py as stringers, bands + disseminated.	08104	1-3 py	292.0	293.0	100	85	56	<0.1	5
		293.4 8cm long, 2cm wide quartz vein at 35 degrees to core angle + along core angle. 5-8% pyrite.	08105	1-2 py	293.3	293.6	30	89	65	0.1	5
			08106	tr-1 py	299.5	300.5	100	113	106	<0.1	5
301.2	307.9	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Generally as above at 237.2-245.3. Sharp upper contact at 85 degrees - sharp lower contact at 35 degrees to core angle. 1-2% pyrite throughout unit.									
307.9	315.3 (approx.)	MAFIC VOLCANIC									
		As before at 245.3-260.25 - end of unit dubious. Box 52 dropped.									
315.3	323.2 (approx.)	INTERMEDIATE TO MAFIC VOLCANIC									
		Generally as before at 166.9-183.9.									
		317.9-318.7 Quartz feldspar porphyry dike?/fragment/ intercollation.									
		Unit gets much more mafic after 318.7 - as at 307.9-315.3 (approx.). Unit weakly foliated to 45 degrees to core angle - epidote? Spots along foliation.									
		Unit is slightly schistose with serpentinized fracture surface.									
323.2	326.0	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before at 301.2-307.9.									
326.0	333.7	MASSIVE FELSIC VOLCANIC/RHYOLITE-TUFF?									
		Unit is aphanitic, weakly foliated to 65 degrees to core angle. Light to medium grey to greyish-green.	05216		326.0	333.7 whole rock					
		Very schistose with greasy, waxy fracture surface.									
		Very fine quartz eyes locally.	08107	3-5 py	327.0	328.0	100	87	209	<0.1	200
			08108	3-5 py	331.0	332.0	100	44	101	<0.1	20
		3-5% pyrite as stringers + veinlets oriented along	08109	3-5 py	332.0	333.0	100	30	142	<0.1	10
		foliation (65 degrees to core angle)	08110	3-5 py	333.0	334.0	100	42	119	<0.1	20
		Proliferation of quartz + quartz carbonate veins/bands + patches throughout unit.									
333.7	338.2	QUARTZ, FELDSPAR, PORPHYRY DIKE?									
		As before at 323.2-326.0.									
		337.8 Felsic volcanic fragment unit with (2) small stringers of pyrite/chalcopyrite at 40 degrees to core angle.	08111	3-5 py 1-2 cpy	337.6	338.0	40	1378	332	1.3	160
			08111	re-assayed (pct)				0.12			
338.2	340.0	GABBRO - DIKE?									
		As before at 260.25-301.2 - small dike? Chilled margins with very fine grain at contacts 1-3% pyrite disseminated throughout unit.									
		Magnetic.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
340.0	348.4	FELSIC VOLCANIC/RHYOLITE - TUFF?									
		As before at 326.0-333.7 but unit is much less schistose. Very well foliated to 50 degrees to core angle with 5-8% pyrite along foliation.									
		340.2-340.7 host rock unit very blocky but not extensively weathered.	08112	5-8 py	339.8	340.8	100	144	392	0.1	15
			08113	5-8 py	340.8	341.8	100	46	295	<0.1	15
			08114	5-8 py	341.8	342.8	100	19	270	<0.1	10
			08115	5-8 py	342.8	343.8	100	36	367	<0.1	10
		343.7-346.3 Quartz feldspar porphyry intercollation/ fragment? with quartz, tourmaline, chlorite patch at 345.3-345.5.	08116	1-3 py	345.2	345.6	40	10	63	<0.1	<5
		347.9-348.3 "FAULT" Host rock unit which is very foliated at 50 degrees to core angle with "fault gouge". 3-5% pyrite.	08117	3-5 py	346.5	347.5	100	30	156	<0.1	10
			08118	3-5 py	347.5	348.5	100	21	177	<0.1	10
348.4	350.8	QUARTZ, FELDSPAR, PORPHYRY, DIKE?									
		As before at 333.7-338.2.									
350.8	374.2	FELSIC VOLCANIC/RHYOLITE TUFF?									
		Generally as before at 340.0-348.4. Unit has light medium greenish-grey tint. Foliation varies between 40-50 degrees to core angle. 5-8% pyrite - 10-15% locally.	08119	5-8 py	352.0	353.0	100	10	99	<0.1	5
			08120	5-8 py	353.5	354.5	100	47	92	<0.1	10
			08121	5-8 py	354.5	355.5	100	53	89	<0.1	10
			08122	5-8 py	355.5	356.5	100	57	84	<0.1	5
		Occasional quartz feldspar porphyry fragments to 30cm.	08123	5-8 py	356.5	357.5	100	24	59	<0.1	20
			08124	3-5 py	359.0	360.0	100	20	66	<0.1	<5
			08125	10-12 py	364.5	365.5	100	13	54	<0.1	5
			08126	3-5 py	365.5	366.5	100	9	36	<0.1	5
			08127	5-8 py	366.5	367.5	100	10	34	<0.1	10
			08128	5-8 py	371.0	372.0	100	6	45	<0.1	<5
			08129	5-8 py	372.0	373.0	100	8	83	<0.1	<5
			08130	5-8 py	373.0	374.0	100	10	98	<0.1	5
374.2	377.9	QUARTZ, FELDSPAR, PORPHYRY DIKE?									
		As before at 348.4-350.8.									
377.9	383.0	GABBRO									
		Generally as before at 338.2-340.0 but with felsic volcanic fragment + zones of feldspar spotting to 5mm. Tr to <1% pyrite.									
383.0	385.9	FELSIC VOLCANIC - FRAGMENTAL?									
		Generally as before at 350.8-374.2 but with chlorite + quartz fragments in a siliceous mottled matrix. Foliation variable. 1-2% pyrite.									
385.9	394.1	QUARTZ, FELDSPAR, PORPHYRY DIKE									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		As before at 374.2-377.9. 1-2% pyrite.									
394.1	397.2	FELSIC TO INTERMEDIATE VOLCANIC - FRAGMENTAL									
		As before at 152.2-161.9 but with mottled chlorite, quartz epidote? fragments. 1-2% pyrite.									
		395.7-395.8 10cm long, 1/2cm wide quartz/carbonate/ pyrite/chalcopyrite vein at 20 degrees to core angle. 35-40% pyrite, 8-10% chalcopyrite with tr. sphalerite.	08131	1-2 py tr-1 cpy tr sph	395.6	395.9	30	25	136	<0.1	10
397.2	398.0	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before at 385.9-394.1.									
	398.0	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-5-87

NAME OF PROPERTY: Daniel
HOLE NO.: DT-5-87 LENGTH: 341 meters
LOCATION: Claim No. 374017-2
LATITUDE: 2+30 N DEPARTURE: L1+80E
ELEVATION: AZIMUTH: S 210 deg. DIP: -55 deg
STARTED: December 5/87 FINISHED: December 10/87

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
22	-55		200	-48	
100	-54		300	-45	
			341	-42	

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	22.0	CASING									
22.0	75.7	FELSIC TO INTERMEDIATE VOLCANIC (MOTTLED! METASEDIMENT?)									
		Unit is aphanitic to very fine grain, massive to very weakly foliated to approximately 40-45 degrees to core angle. Light to medium greyish-green.	05217		22.0	75.7	whole rock				
		Very siliceous, but often chloritized zones.									
		Feldspar + epidote? spotting common. Epidote spotting + rimming of chlorite grains/fragments.									
		Quartz + carbonate + epidote band + patches + very mottled, irregular veins.									
		Occasional "cherty" zones.									
		Host rock is vuggy locally.									
		Core is reasonably blocky but not weathered or altered.									

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
		Occasional light bluish - "cherty" veins to 90 deg. to core angle - up to 1cm wide	08132	3-5 py	27.0	28.0	100	41	91	<0.1	<5
			08133	3-5 py	28.0	29.0	100	42	75	<0.1	<5
			08134	5-8 py	34.0	35.0	100	51	80	<0.1	<5
		3-5% pyrite thoughout unit with 15-20% very locally as vugs infill, veinlets, stringers + clumps	08135	5-8 py	35.0	36.0	100	18	54	<0.1	10
			08136	5-8 py	36.0	37.0	100	13	58	<0.1	<5
			08137	5-5 py	37.0	38.0	100	17	47	<0.1	<5
			08138	5-8 py	40.0	41.0	100	37	85	<0.1	<5
			08139	5-8 py	41.0	42.0	100	43	91	<0.1	<5
			08140	5-8 py	47.0	48.0	100	49	76	<0.1	<5
			08141	5-8 py	48.0	49.0	100	47	42	<0.1	<5
			08142	8-10 py	49.0	50.0	100	100	60	0.1	<5
		50.5-51.3 80cm fine grain "gabbro" dike? Non-magnetic.									
			08143	8-10 py	58.0	59.0	100	83	68	<0.1	5
			08144	8-10 py	62.0	63.0	100	57	87	<0.1	<5
		*From approximately 66.0 to 75.7 unit is purplish brown in color but is siliceous and somewhat	05218		66.0	75.0 whole rock					
		"cherty" locally. Unit resembles a "meta-sediment"??	08145	3-5 py	67.0	68.0	100	61	64	<0.1	<5
			08146		74.0	75.0	100	83	538	<0.1	<5
75.7	78.3	QUARTZ, FELDSPAR, PORPHYRY-DIKE?									
		Unit is medium to coarse grained, massive. Medium to dark greyish green with quartz, feldspar phenocrysts to 5mm diameter.	05219		75.7	78.3 whole rock					
		Quartz, feldspar (K-spar), hornblende, epidote? assemblage.									
		Micro-fractures with quartz, carbonate infill.									
		1-2% disseminated pyrite.									
78.3	110.1 approx.	ALTERED - FELSIC TO INTERMEDIATE VOLCANIC - (METASEDIMENT??)									
		As before at (66.0-75.7). Color very variable/mottled. Greyish-green to greyish-purple brown. Very siliceous and somewhat "cherty" in appearance.	05220		78.3	110.1 whole rock					
		Occasional chlorite bands + patches + fragments?									
		Chlorite + epidote? spotting locally.	08147	2-3 py	83.0	84.0	100	124	133	0.1	<5
			08148	2-3 py	84.0	85.0	100	66	176	<0.1	<5
			08149	2-3 py	87.0	88.0	100	161	166	<0.1	5
		91.35 5cm quartz, carbonate vein at 50 degrees to core angle. Tr to <1% py.	08150	tr-<1 py	91.2	91.5	30	185	87	0.1	25
		*95.1-95.7 60cm long, 1/4cm wide sulphide veinlet approx. 3-5 degrees to core angle with 75% pyrite, 15% pyrrhotite and 10% sphalerite	08151	5-8 py	95.0	95.8	80	340	6450	0.4	20
			08151	1-2 pyrr tr-<1 sph		re-assayed (pct)			0.76		
		108.0-108.6 Host rock with blocky but non-weathered core.									

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
110.1	116.6	INTERMEDIATE TO MAFIC VOLCANIC									
		Unit is aphanitic, massive to very weakly foliated locally. Dark greeny-grey, evenly chloritized but still somewhat siliceous locally.	05221		110.1	116.6 whole rock					
		Numerous 1/4cm wide quartz + quartz-carbonate veinlets generally at 40-45 degrees to core angle.									
		Tr to <1% sulphides, very finely disseminated throughout unit.									
		112.0-112.4 Blocky but non-weathered core.									
		115.6-116.6 100cm host rock unit which is very very well foliated at 40-45 degrees to core angle - also very schistose - "minor shear"?? - 2-3% pyrite	08152	2-3 py.	115.5	116.8	120	155	192	0.3	170
116.6	122.7	GABBRO - DIKE?									
		Unit is very fine to fine grain, massive, dark greenish-black. Unit has very fine grains at upper contact - "chilled margin".	05222		116.6	122.7 whole rock					
		116.6-119.0 Host rock unit with abundant quartz + carbonate veinlets to 1/4cm wide offset. 1/2 to 1cm by micro-fractures with quartz/carbonate infill. 3-5% pyrite	08153	3-5 py	117.0	118.0	100	300	246	<0.1	25
		119.0-120.5 Proliferation of micro-fractures with pyrite infill - generally between 30-50 degrees to core angle. 15-20% pyrite as micro-fracture infill + disseminated.	08154 08155	15-20 py 15-20 py	119.0 120.0	120.0 121.0	100 100	162 501	147 150	0.1 0.2	10 5
		121.0-122.7 Host rock unit with much coarser grain + coarse grain magnetite.	08156	8-10 py	121.0	122.0	100	352	136	0.2	<5
		* Host rock unit is magnetic locally.									
122.7	125.5	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before at 75.7-78.3 but with 5-6% pyrite disseminated throughout unit.	08157	5-6 py	123.0	124.0	100	48	47	<0.1	10
125.5	160.1	GABBRO									
		Generally as before at 116.6-122.7 but with fine to medium to coarse grain. Visible magnetite grains locally. Also hornblende laths to 5mm long locally, feldspar spotting + chlorite spotting.									
		1-2% pyrite disseminated throughout unit with up to 5-8% locally.									
		127.7-127.85 15cm quartz vein/patch with tr-<1% sulphides but 3-5% py surrounding patch.	08158	3-5 py	127.5	127.9	40	104	83	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		128.15-128.25 1cm quartz vein at 25 degrees to core angle with 15-20% pyrite in and surrounding vein.	08159	8-10 py	128.0	128.3	30	243	107	0.1	30
		129.5-129.6 10cm quartz vein/patch with 8-10% py at edges of vein.	08160	5-8 py	129.4	129.7	30	118	58	0.1	25
		131.4-131.65 25cm long; 2cm wide quartz vein at 20 degrees to core angle with 25-30% pyrite as clumps to 10mm dia. at edges of vein.	08161	8-10 py	131.3	131.7	40	135	77	<0.1	<5
		133.8-134.8 100cm host rock unit with many quartz vein/patches with up to 15-20% pyrite	08162	5-8 py	133.8	134.8	100	156	60	<0.1	5
		136.0-137.0 100cm host rock unit with many quartz vein/patches with up to 15-20% pyrite	08163	8-10 py	136.0	137.0	100	220	89	<0.1	<5
		139.25 2cm quartz vein at 40 degrees to core angle with 1-2% pyrite	08164	1-2 py	139.1	139.4	30	70	62	<0.1	<5
		142.0-142.4 40cm long, 2cm wide quartz vein at 15 degrees to core angle with 20-25% pyrite in vein.	08165	10-15 py	142.0	142.4	40	265	64	0.1	<5
		* Shear? - 143.0-143.5 50cm host rock unit which is blocky + weathered with a quartz vein/patch to 15cm with 2-3% pyrite.	08166	1-2 py	143.0	143.6	60	202	103	0.4	35
		155.85-156.95 2x1cm quartz veins at 40 degrees to core angle each with 15-20% pyrite	08167	3-5 py	155.8	156.1	30	159	127	0.1	10
		159.4 8cm quartz/minor carbonate vein/patch with 8-10% pyrite	08168	3-5 py	159.3	159.6	30	179	130	0.3	100
		160.0-160.1 End of unit, gabbro is intermottled with mafic volcanic unit.									
160.1	188.5 approx.	INTERMEDIATE TO MAFIC VOLCANIC									
		Generally as before at 110.1 to 116.6 but with medium to dark greyish-grey siliceous sections (intermediate volcanic) - feldspar spotting locally.	08169	3-5 py	164.0	165.0	100	3430	262	5.1	85
			08169		re-assayed (pct)			0.34			
		Abundant carbonate + quartz irregular patches + bands + veinlets	08170	3-5 py	167.0	168.0	100	105	138	0.1	25
		1-2% pyrite generally as individual clumps locally.	08171	3-5 py	176.0	177.0	100	169	159	0.2	5
		Core is somewhat "blocky" locally but not weathered.									
		179.1 3cm, 15cm long carbonate/quartz vein at 20 degrees to core angle with 10-15% pyrite	08172	5-8 py	179.0	179.3	30	1025	131	0.6	80
			08172		re-assayed (pct)			0.12			
188.5 approx.	292.2	MASSIVE FELSIC - INTERMEDIATE? VOLCANIC									
		Unit is aphanitic, massive, light to medium grey to light greeny-grey locally.	05223		188.5 approx.	292.2	whole rock				

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Local sections appear "cherty".									
		Feldspar - epidote? spotting to 5mm dia. locally throughout unit.									
		Micro-fractures with quartz + carbonate infill - no preferred orientation.									
		Occasional chlorite band + patches + irregular veinlets with epidote? rimming.									
		Occasional quartz feldspar porphyry intercollations/ fragments?									
		1-2% pyrite throughout unit, 3-5% locally.									
		195.3-196.3 100cm quartz feldspar porphyry dike/ intercollation.									
		199.45 3cm quartz vein at 85 degrees to core angle 1-2% pyrite	08173	1-2 py	199.3	199.6	30	94	62	<0.1	10
		*207.2-209.2 Bleached gabbro - intercollation/dike? non-magnetic.									
		*217.0-221.7 Host rock unit with generally more mafic constituents (chlorite) resembling an intermediate volcanic. Unit is also schistose, and appears to have undergone minor alteration. Reasonably foliated at 45-50 degrees to core angle. 5-8% pyrite. Some "cherty" bands + patches at 221.6.	08174	5-8 py	217.0	218.0	100	30	78	<0.1	<5
			08175	5-8 py	218.0	219.0	100	17	116	0.1	<5
			08176	5-8 py	219.0	220.0	100	34	119	0.3	10
			08177	5-8 py	220.0	221.0	100	79	163	0.1	75
			08178	5-8 py	221.0	222.0	100	63	106	0.2	30
		*241.3-241.9 60cm quartz feldspar porphyry fragment? Sharp contacts.									
		*243.8-244.2 40cm rhyolite/tuff? Fragment? Fine light/dark bands. Foliated to 35 degrees to core angle with 10-15% pyrite as clumps + stringers along foliation. 1-2% chalcopyrite.	08179	5-8 py tr-<1 cpy	243.7	244.3	60	353	1520	0.6	65
			08179	re-assayed (pct)					0.15		
		*245.5-245.8 30cm rhyolite/tuff? Fragment? With fine light to dark bands - foliated to 35-40 degrees to core angle with 10-15% pyrite as clumps.	08180	5-8 py	245.4	245.9	50	203	230	0.3	20
		258.4-258.5 10cm host rock unit with large epidote? patch with 15-20% pyrite as clumps.	08181	8-10 py	258.3	258.6	30	65	144	0.3	10
		260.35-261.0 Quartz feldspar porphyry intercollation?									
		262.5-263.6 Quartz feldspar porphyry intercollation?									
		266.1-266.5 40cm quartz minor carbonate irregular vein/patch with epidote patches and 10-15% pyrite. Tr pyrrhotite.	08182	9-12 py tr pyrr	266.1	266.6	50	70	106	<0.1	35

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		272.0-272.7 70cm altered host rock unit with chlorite + epidote? bands + patches in a mottled fashion with 10-15% pyrite as a 1/4cm veinlet at 272.4 at 50 degrees to core angle. Unit is very schistose.	08183	5-8 py	272.0	272.6	60	98	89	0.1	20
		285.0-287.0 Host rock unit which is altered - very well foliated at 45 degrees to core angle. Very schistose with shiny soft slickenslide fracture surface. 3-5% pyrite.	08184	3-5 py	285.0	286.0	100	78	142	<0.1	10
			08185	3-5 py	286.0	287.0	100	82	404	0.1	10
			08186	3-5 py	287.0	288.0	100	67	134	<0.1	190
			08187	3-5 py	288.0	289.0	100	59	81	0.1	5
		*290.0-291.2 120cm host rock unit - "cherty" with 10-15% py, 15-20% locally as stringers + diss.	08188	10-15 py	289.0	290.0	100	40	95	0.1	5
			08189	10-15 py	290.0	291.0	100	58	141	0.7	1115
			08189	re-assayed (opt)							0.034
			08190	10-15 py	291.0	292.0	100	24	89	<0.1	25
			08191	3-5 py	292.0	293.0	100	20	111	0.1	10
292.2	296.1	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before at 122.7-125.5.									
296.1	300.5	MASSIVE FELSIC - INTERMEDIATE VOLCANIC									
		Generally as before at 188.5-292.2 but unit is foliated to 50 degrees to core angle with local "cherty" sections, generally after 299.0m.	08192	15-20 py	296.0	297.0	100	20	104	<0.1	10
			08193	15-20 py	297.0	298.0	100	32	116	<0.1	10
			08194	15-20 py	298.0	299.0	100	20	93	0.1	40
		15-20% pyrite as stringers along foliation + as small clumps along foliation - up to 30% py locally.	08195	15-20 py	299.0	300.0	100	24	97	0.2	5
			08196	15-20 py	300.0	301.0	100	22	83	<0.1	5
300.5	304.1	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before at 292.2-296.1.									
		302.4 4cm quartz vein at 40 degrees to core angle with 15-20% yellowy pyrite?	08197	8-10 py	302.3	302.6	30	18	39	<0.1	5
304.1	305.5	MASSIVE FELSIC VOLCANIC									
		Generally as before at 296.1-300.5 but without chlorite/epidote? spotting. Unit is very well foliated at 50 degrees to core angle with 15-20% pyrite as fine clumps along foliation and as stringers also along foliation.	08198	15-20 py	304.0	305.0	100	25	84	<0.1	5
			08199	10-15 py	305.0	306.0	100	13	58	0.3	5
		Occasional small "cherty" sections.									
		Unit reasonably schistose.									
305.5	311.4	ALTERED RHYOLITE									
		Very generally, unit is aphanitic, light to medium grey to pink. Massive to reasonably well foliated to 50 degrees to core angle. Schistose and sericitic locally. Occasional sections with quartz eyes. Tr to 1% pyrite disseminated.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		305.5-306.9 Unit is medium to coarse grained + pink unaltered k-spar diorite? At 306.9 unit gets aphanitic, schistose, sericitic and looses pink color - rhyolite.									
		Occasional micro-fractures with tourmaline/biotite? infill.									
		308.6-308.7 10cm quartz vein with minor tourmaline at 50 degrees to core angle. Tr sulphides.	08200	tr-1 py	308.5	308.8	100	4	19	<0.1	<5
		309.5 20cm felsic volcanic fragment.									
		At 309.6 unit gets coarser grained. Medium to coarse diorite? Unaltered?									
311.4	314.6	FELSIC - INTERMEDIATE VOLCANIC									
		Generally as before at 296.1-300.5 but unit is highly fractured with proliferation of quartz + carbonate infill which are offset up to 1cm by micro-faulting?	08201	8-10 py	311.5	312.5	100	20	74	<0.1	5
			08202	8-10 py	312.5	313.5	100	20	83	<0.1	10
			08203	8-10 py	313.5	314.5	100	22	73	<0.1	10
		Occasional small quartz feldspar porphyry fragments.									
		8-10% pyrite disseminated + as clumps.									
314.6	319.1	QUARTZ FELDSPAR PORPHYRY - DIKE?									
		As before at 300.5-304.1.									
319.1	322.3	INTERMEDIATE TO MAFIC VOLCANIC									
		Generally as before at 160.1-188.5 (approx.).									
		319.1-321.0 Host rock unit with 10-15% disseminated pyrite.	08204	10-15 py	319.0	320.0	100	36	81	<0.1	<5
			08205		320.0	321.0	100	27	99	<0.1	5
322.3	341.0	FELSIC TO INTERMEDIATE VOLCANIC									
		Generally as before at 188.5 (approx.) to 292.2.									
		Feldspar + epidote? spotting + patches prominent. Occasional chlorite patches/fragments.	08206	5-8 py	323.0	324.0	100	103	117	<0.1	40
		331.4-331.7 Host rock unit with quartz fragments + a 1cm wide pyrite vein composed of pyrite clumps.	08207	10-15 py	331.4	331.7	30	35	70	<0.1	110
		335.2 and 335.25 2x.5cm brownish pyrite veins at 35 degrees to core angle - possible sphalerite?	08208	3-5 py	335.0	335.3	30	66	94	<0.1	20
	341.0	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-6-87

NAME OF PROPERTY: Daniel
HOLE NO.: DT-6-87 LENGTH: 290 meters
LOCATION: Claim No. 374017-1/374017-2
LATITUDE: 2+60N DEPARTURE: L1+20E
ELEVATION: AZIMUTH: S 210 deg. DIP: -55 deg
STARTED: December 11/87 FINISHED: December 16/87

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees	
22	-55	-54.10	200	-54	-54.70	
100	-54	-55.10	290	-53	-53.30	"Assumed"

No acid test at 292 meters.

FOOTAGE FROM	FOOTAGE (meters) TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	Footage To	Footage Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	22.0	CASING									
22.0	26.0	ALTERED FRAGMENTAL - FELSIC TO INTERMEDIATE VOLCANIC									
		Unit is aphanitic to very fine grain, light to medium greyish-green to brown. Epidote? + chlorite mottled patches, bands, spotting.	05224		22.0	26.0 whole rock					
		Unit is massive to very weakly foliated at 50 degrees to core angle.									
		Chlorite spots with epidote rimming?									
		Locally siliceous.	08209	3-5 py	25.0	26.0	100	158	135	0.1	5
		Unit is blocky and mildly weathered with rusty weathered surface.									
		3-5% pyrite as small stringers + clumps + disseminated throughout unit.									
		Micro-fractures with quartz + carbonate + epidote? Infill.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
26.0	39.5	INTERMEDIATE TO MAFIC VOLCANIC									
		Unit is aphanitic to very fine grained, massive to weakly foliated (variable); medium to dark green to to greeny grey.	05225		26.0	34.5 whole rock					
		Unit is more evenly chloritized. Unit is siliceous locally but also well chloritized.									
		Very abundant micro-fractures with epidote? infill. Less commonly quartz + carbonate.									
		Occasional irregular quartz veinlets.									
		Occasional fracture surface with brownish-red staining - hematite.	08210	1-3 py	26.0	27.0	100	81	140	0.1	<5
		Ocassional chlorite spots with epidote? rimming.									
		1-3% pyrite as micro-fracture infill + disseminated.									
		33.7 2cm quartz vein at 50 degrees to core angle with 8-10% pyrite.	08211	2-4 py	33.5	33.8	30	59	62	<0.1	<5
		38.0 .5cm wide irregular sulphide veinlet/patch with yellowy-brownish pyrite?? sphalerite + chalcopyrite??	08212	1-2 py	37.8	38.1	30	83	108	<0.1	5
39.5	41.4	GABBRO - DIKE?									
		Unit is very fine to fine grain, massive, medium to dark green to greeny-grey.	05226		39.5	41.4 whole rock					
		Upper contact - "fault gouge" - lower contact sharp. Unit very fine grain for last .5 meters - chilled margin.									
		Proliferation of carbonate + quartz irregular patches + veinlets.									
		Unit is slightly magnetic throughout.									
		Tr to less than 1% pyrite.									
41.4	56.1	"ALTERED" FRAGMENTAL? - FELSIC TO INTERMEDIATE VOLCANIC									
		Unit is aphanitic to very fine grain, massive to very weakly foliated, medium to dark greenish-brown - green + brown colors appear in a mottled fashion.	05227		41.4 whole rock	56.1					
		Local section siliceous - other sections host chlorite bands + patches with epidote? rimming.									
		Unit is somehwat blocky but not weathered.	08213	3-5 py	45.0	46.0	100	100	177	0.4	<5
		Brownish-red hematite staining of occasional fracture surface.	08214	3-5 py	46.0	47.00	100	135	171	0.2	<5
		Tuffite??	08287	tr-<1 py	53.5	54.0	50	117	180	0.2	265
		Occasional quartz feldspar porphyry intercollations/fragments.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		3-5% pyrite as clumps + stringers along weak foliation. Also seen rimming chlorite.									
		At 55.4m lcm fault gouge @ 50 degrees to core axis.									
55.4	56.1	PORHYRITIC (ANDESITE) FLOW OR DYKE									
		(see below)									
56.1	64.5	QUARTZ FELDSPAR PORPHYRY - DIKE?									
		Unit is medium to coarse grain, massive, medium to dark grey with lighter colored feldspar + quartz phenocrysts. To 5mm dia.	05228		56.1	64.5 whole rock					
		8-10% chlorite grains seen in matrix.									
		Quartz, feldspar, hornblende (amphibole) assemblage.									
		Tr to <1% sulphides. 2-3% locally.									
		Micro-fractures with quartz + carbonate infill.									
		62.7-64.3 Host rock is altered carbonatized + "cherty" bands. Unit is somewhat bleached with 5-8% pyrite locally.	08215	3-5 py	62.0	63.0	100	89	95	0.2	<5
			08216	3-5 py	63.0	64.0	100	44	66	0.2	5
64.5	71.7	MASSIVE FELSIC VOLCANIC									
		Unit is aphanitic, massive, medium to dark grey siliceous and somehwat "cherty" locally.	05229		64.5	71.7 whole rock					
		Occasional chlorite fragments up to 3cm dia. vuggy with 15-20% pyrite.									
		Micro-fractures with quartz + quartz-carbonate infill.									
		Unit gets more mafic after 65.5m - unit picks up chlorite. By 71.7 unit appears intermediate to mafic volcanic.									
		1-3% pyrite disseminated throughout unit. But 5-8% locally as clumps.									
		64.3-65.5 Host rock unit with pyrite clumps to lcm dia. with yellowy + brownish yellowy color. Tr chalcopyrite and sphalerite.	08217	5-8 py tr cpy tr sph	64.5	65.5	100	90	80	<0.1	5
		66.6-67.2 Shear zone? bleached hairline fractures and lcm blue quartz vein	08283	tr-<1 py	66.6	67.2	60	25	101	<0.1	130
71.7	92.6	GABBRO									
		Generally as before at (39.5 to 41.4) but unit appears somewhat siliceous with up to 15% quartz.									
		Occasional chlorite patch, band/vein. Also epidote? bands & patches.	08218	3-5 py	80.0	81.0	100	177	214	0.2	10
			08219	3-5 py	81.0	82.0	100	188	214	0.2	10

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Micro-fractures with chlorite, epidote?, quartz + carbonate infill.									
		3-5% pyrite throughout unit as clumps, stringers and disseminated. 5-8% locally.	08220	3-5 py	85.0	86.0	100	244	153	0.1	<5
		Unit is magnetic!									
92.6	104.4	QUARTZ FELDSPAR PORPHYRY - DIKE?									
		As before at (56.1-64.5) but phenocrysts are much more distinct - sharper distinction between quartz + feldspar phenocrysts.									
		Tr to <1% sulphides.									
104.4	117.3	GABBRO									
		Generally as before at (71.7 to 92.6) but not siliceous and more magnetite - grains of magnetite can be seen well. 5-8% pyrite as stringers + disseminated throughout unit. 12-15% pyrite between 109.0-115.9 with 20-25% very locally.	08221	15-18 py	109.0	110.0	100	99	130	<0.1	<5
			08222	15-18 py	110.0	111.0	100	116	125	<0.1	20
			08223	15-18 py	111.0	112.0	100	202	150	0.3	55
			08224	15-18 py	112.0	113.0	100	108	110	<0.1	<5
			08225	15-18 py	113.0	114.0	100	181	124	<0.1	5
			08226	15-18 py	114.0	115.0	100	160	172	0.2	5
			08227	15-18 py	115.0	116.0	100	355	142	0.8	45
117.3	119.7	INTERMEDIATE TO MAFIC VOLCANIC									
		Generally as before at (26.0-39.5) but weakly foliated to 40 degrees to core angle + abundant pyrite stringers + veinlets along foliation - 5-8% pyrite throughout unit.	08228	5-8 py	116.0	117.0	100	246	279	0.6	20
		117.4 2cm quartz vein at 30 degrees to core angle tr to 1% py	08229	tr-1 py	117.3	117.6	30	106	133	0.4	10
119.7	122.2	QUARTZ, FELDSPAR PORPHYRY - DIKE?									
		As before at (92.6-104.4) but with epidote + hornblende lathes + k-spar alteration.									
122.2	134.3	ALTERED - INTERMEDIATE TO MAFIC VOLCANIC									
		As before at (115.9-119.7) in 60cm to 2m bands, chlorite bands, patches. Swirls, fragments many with epidote? rimming.									
		Occasional chlorite grains with pyrite rimming + py surrounding chlorite.	08230	3-5 py	125.0	126.0	100	2860	169	2.2	230
			08230	re-assayed (pct)				0.24			
			08231	3-5 py	126.5	127.5	100	967	137	1.0	50
		2-3% pyrite throughout unit.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		121.6 1cm quartz vein at 30 degrees to core angle with reddish brown veinlets surrounding quartz vein 1-2% py	08232	3-5 py	131.5	131.8	30	1004	100	0.5	25
			08232	re-assayed (pct)				0.09			
134.3	143.0	ALTERED FELSIC TO INTERMEDIATE FRAGMENTAL									
		Similar to 122.2-134.0 above except for mafic dike.									
134.3	151.0 (approx.)	ALTERED? HIGHLY SILICIFIED - FELSIC-INTERMEDIATE VOLCANIC (LAPILLI TUFF)									
		Generally as before at (41.4-56.1) but unit is somewhat more siliceous with a browny-grey siliceous appearance.									
		1-3% pyrite throughout unit.									
		147.75 2x1cm quartz veins at 40 degrees to core angle with 5-8% pyrite in and around veins.	08233	5-8 py	147.6	147.9	30	328	123	0.2	55
		150.65 1-2cm quartz vein at 30 degrees to core angle with 15-20% pyrite + 1-3% chalcopyrite	08234	10-15 py tr-1 cpy	150.5	150.8	30	737	790	1.7	50
151.0 approx.	180.0 approx.	(ALTERATION PIPE) - ALTERED (CHLORITIZED) INTERMEDIATE VOLCANIC	14780		151.0	180.0					
					whole rock						
		Very generally as above (143.0-151.0) but unit is very heavily chloritized with chlorite bands, patches, veins, fragments - also with 15-20% quartz as fragments.									
		Unit has 3-5% pyrite throughout unit as clumps, veinlets + stringers with 5-8% locally.									
		Unit is very schistose - very very schistose locally with black shiny-scaly fracture surface locally.	08235	tr-1 sph + cpy	151.0	152.0	100	372	560	1.1	45
			08236	3-5 py	152.0	153.0	100	406	817	1.0	40
			08237	3-5 py	153.0	154.0	100	228	2915	0.5	80
			08237	re-assayed (pct)					0.24		
			08238	3-5 py	154.0	155.0	100	282	2760	0.9	70
			08238	re-assayed (pct)					0.20		
		STRINGER SPHALERITE									
		*Also between 150m to approx. 180m unit has 1-3% sphalerite throughout unit.	08239	1-2 sph	155.0	156.0	100	437	8290	1.1	15
			08239	re-assayed (pct)					0.71		
		The sphalerite usually occurs as stringers or irregularly shaped veinlets/patches - on occasion.	08240	tr-1 cpy	156.0	157.0	100	239	2030	0.6	370
			08240	re-assayed (pct)					0.17		
		They are up to 65-70% for 1 or 2cm. The sphalerite is usually associated with pyrite and tr to 1% chalcopyrite. These sphalerite veinlets/stringers are up to 30 to 50cm apart but fine sphalerite specks as fracture infill disseminated throughout unit can be seen by hand lens.	08241	3-5 py	157.0	158.0	100	124	664	0.3	70
			08242	3-5 py	158.0	159.0	100	161	731	0.5	50
			08243	3-5 py	159.0	160.0	100	136	2100	0.8	135
			08243	re-assayed (pct)					0.22		
			08244	3-5 py	160.0	161.0	100	265	3005	0.6	25
			08244	re-assayed (pct)					0.31		
			08245	1-3 sph	161.0	162.0	100	86	1545	0.7	20
			08245	re-assayed (pct)					0.15		
			08246	tr-1 cpy	162.0	163.0	100	152	2515	0.7	20

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	Cu ppm	Zn ppm	Ag ppm	Au ppb
			08246	re-assayed (pct)					0.26		
			08247	tr-1 cpy	163.0	164.0	100	159	1325	0.8	35
			08247	re-assayed (pct)					0.14		
			08248	3-5 py	164.0	165.0	100	176	9080	1.7	35
			08248	re-assayed (pct)					0.80		
			08249	3-5 py	165.0	166.0	100	182	1625	0.8	25
			08249	re-assayed (pct)					0.17		
			08250	3-5 py	166.0	167.0	100	306	4660	0.9	85
			08250	re-assayed (pct)					0.48		
			08251	3-5 py	167.0	168.0	100	454	>20000	1.8	20
			08251	re-assayed (pct)					2.52		
			08252	3-5 py	168.0	169.0	100	129	3575	0.8	5
			08252	re-assayed (pct)					0.36		
			08253	3-5 py	169.0	170.0	100	227	2595	0.9	35
			08253	re-assayed (pct)					0.25		
			08254	3-5 py	170.0	171.0	100	504	4360	1.6	50
			08254	re-assayed (pct)					0.45		
			08255	3-5 py	171.0	172.0	100	475	1475	1.4	35
			08255	re-assayed (pct)					0.13		
			08256	3-5 py	172.0	173.0	100	411	19100	1.2	275
			08256	re-assayed (pct)					2.04		
			08257	3-5 py	173.0	174.0	100	253	4060	0.7	35
			08257	re-assayed (pct)					0.08		
			08258	3-5 py	174.0	175.0	100	107	1025	0.2	10
			08258	re-assayed (pct)					0.10		
			08259	3-5 py	175.0	176.0	100	493	950	1.4	70
			08260	3-5 py	176.0	177.0	100	151	>20000	1.0	55
			08260	re-assayed (pct)					2.88		
			08261	3-5 py	177.0	178.0	100	105	3120	0.8	15
			08261	re-assayed (pct)					0.29		
			08262	1 sph	178.0	179.0	100	107	4750	0.4	25
			08262	re-assayed (pct)					0.42		
			08263	tr-1 cpy	179.0	180.0	100	65	2880	0.3	15
			08263	2-3 py	re-assayed (pct)				0.28		
180.0 approx.	191.6	ALTERED? CHLORITIZED - FELSIC VOLCANIC - FRAGMENTAL?									
		Generally as above at [151.0 (approx.) - 180.0 (approx.)] but not as well chloritized. Unit is reasonably well foliated to 50 degrees to core angle.									
		As above, sphalerite occurs between 180.0 (approx.) to 186.3m as fine stringers + disseminated . throughout unit. Up to 1% sphalerite, tr - 1% chalcopyrite and 2-3% pyrite	08264	1 sph	180.0	181.0	100	259	1575	1.0	45
			08264	re-assayed (pct)					0.16		
			08265	tr cpy	181.0	182.0	100	104	1140	0.4	<5
			08265	re-assayed (pct)					0.11		
			08266	2-3 py	182.0	183.0	100	159	783	0.8	20
			08267	1 sph	183.0	184.0	100	116	5560	0.5	15

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
			08267	re-assayed (pct)					0.52		
			08268	tr cpy	184.0	185.0	100	152	2870	0.8	10
			08268	re-assayed (pct)					0.26		
			08269	2-3 py	185.0	186.0	100	216	1980	0.8	55
			08269	re-assayed (pct)					0.18		
			08270	2-3 py	186.0	187.0	100	184	1096	0.5	15
			08270	re-assayed (pct)					0.11		
			08271	2-3 py	187.0	188.0	100	88	227	0.2	<5
		FAULT?* 188.5-188.7 20cm host rock unit which is blocky + weathered - powdery, waxy, greasy feel. FAULT	08272	3-5 py	188.0	188.8	80	723	7390	1.0	150
			08272	re-assayed (pct)					0.70		
		*188.8-189.4 60cm rhyolite/tuff? fragment/ intercollation with banded pyrite along foliation at 50° to core angle. 15-20% pyrite as bands + disseminated.	08273	10-15 py	188.8	189.7	90	315	6080	0.2	140
			08273	tr sph	re-assayed (pct)				0.54		
		FAULT?* 191.0-191.8 80cm host rock unit which is blocky + weathered - powdery, waxy, greasy, etc. FAULT - tr sulphides	08274	tr py	189.8	190.8	100	24	244	0.5	5
191.6	193.3	QUARTZ, FELDSPAR PORPHYRY DIKE									
		As before at 119.7-122.2.									
193.3	215.7	ALTERED? CHLORITIZED - FELSIC VOLCANIC - TUFF									
		As before at (180.0 approx. to 191.6) 1-2% pyrite throughout unit.									
		* From (203.0-209.0) host rock unit grades from "cherty appearance" to "cherty". Locally with "cherty" sections up to 2.0 meters in length. 1-2% pyrite disseminated.	08275	tr-1 py	204.0	205.0	100	119	154	0.3	130
			08276	tr-1 py	206.0	207.0	100	37	119	<0.1	70
			08277	tr-1 py	208.0	209.0	100	32	169	0.3	485
		* 211.0-211.4 40cm host rock unit with stringers + veinlets of sphalerite to 1/2cm dia., 2-3% sphalerite, tr-1% py, 2-3% pyrite	08278	2-3 sph	210.9	211.5	60	102	8750	0.3	690
			08278	tr cpy 2-3 py	re-assayed (pct)				0.72		
215.7	236.5	ALTERED? FELSIC - INTERMEDIATE VOLCANIC									
		As before at (143.0-151.0 approx.) unevenly chloritzed, often siliceous sections - feldspar + epidote? spotting.									
		Occasional browny-grey to green mottled siliceous zones after (242.5m).									
		*224.6-225.3 70cm rhy/tuff? intercollation foliated to 30 degrees to core angle - with pyrite bands + patches to 2cm width - 25 to 30% pyrite with 1-3% chalcopyrite. Rhyolite fragment? with quartz eyes and with greenish-tourquoise color. Fuchsite - muscovite.	08279	5-8 py tr-<1 cpy	224.5	225.4	90	178	137	0.7	95
		1-3% disseminated pyrite throughout unit.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
236.5	246.3	FELSIC-INTERMEDIATE "LAPILLI TUFF"									
		Similar to 134.3-151.0 - less siliceous, more chloritic.									
246.3	257.3	(MASSIVE FLOW)? - INTERMEDIATE VOLCANIC - DACITE?									
		Unit is aphanitic to very fine grain, massive to weakly foliated to 40-45 degrees to core angle. Medium to dark greeny-grey.	05230		246.3	257.3 whole rock					
		Unit is evenly chloritized with very fine epidote? spotting, but also somewhat siliceous.									
		Micro-fractures with epidote? infill - many fractures criss -cross each other with minor offset.									
		Occasional micro-fractures + veinlets with quartz + carbonate infill.									
		Amygdules of chlorite? or pyrite to 5mm dia. with epidote? rimming.									
		1-2% pyrite throughout unit. Disseminated and as clumps.									
		247.9 2cm quartz/carbonate vein at 50 degrees to core angle. Tr chalcopyrite.	08280	tr cpy	247.7	248.0	30	40	144	0.2	1025
			08280	re-assayed (opt)							<0.001
		249.3 4cm quartz vein at 90 degrees to core angle with epidote and chlorite. 8-10% pyrite.	08281	2-3 py	249.1	249.4	30	20	95	0.1	90
		254.1-254.6 50cm chlorite/carbonate/quartz veinlet at 20 degrees to core angle with 15-20% pyrite	08282	3-5 py	254.1	254.6	50	85	97	<0.1	265
257.3	290.0	ALTERED (EPIDOTIZED) (PORPHYTIC FLOW) FELSIC-INTERMEDIATE VOLANIC									
		As before at 215.7-246.3 proliferation of epidote spotting? + rimming.									
		tr - 1% sulphides.									
		282.4 3cm pyrite band/patch, 35-40% pyrite.	08284	8-10 py	258.2	258.5	30	219	69	0.2	50
		271.2-271.9 70cm alteration/shear? zone with bleached host rock unit well foliated to 35-40 degrees to core angle with a 2cm quartz vein at 35 degrees to core angle with vugs - pyrite infill and 25-30% pyrite in vein. Also chlorite patches + pyrite clumps - 1-2% chalcopyrite.	08285	8-10 py tr-1 cpy	271.2	272.0	80	593	73	0.4	40
		275.1-275.6 50cm alteration zone of host rock - unit mottled + multiple fractures with carbonate/ quartz infill	08286	tr-1 py	275.1	275.6	70	73	92	0.2	985
			08286	re-assayed (opt)						<0.001	
		275.7-276.0 Unit is blocky but not weathered. Tr-1% sulphides.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		286.0-288.4 Alteration Zone (Silicification). From 286.1-286.8 70cm long, 10m wide quartz/ chlorite veinlet parallel with core with 25-30% pyrite.	08288	8-10 py	286.0	286.9	90	104	84	0.3	700
		286.9-287.7 80cm massive quartz vein with tourmaline bands in vein and at upper contact - tr-1% py	08289	tr-<1 py	286.9	287.8	90	13	30	0.2	25
		287.7-288.5 80cm felsic-intermediate volcanic fragment.									
		289.6 2cm very very vuggy carbonate/quartz vein at 90 degrees to core angle with 15-20% pyrite.	08290	3-5 py	289.5	289.8	30	28	83	0.3	180
			14780	whole rock							
	290.0	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-7-87

NAME OF PROPERTY: Daniel
HOLE NO.: DT-7-87 LENGTH: 320 meters
LOCATION: Claim No. 374017-2
LATITUDE: 0+20N DEPARTURE: L1+20E
ELEVATION: AZIMUTH: N 30 deg. DIP: -55 deg
STARTED: December 16/87 FINISHED: January 11/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
25	-55	-52.70	200	-47	-48.50
100	-52	-52.40	300	-46	-45.50

FOOTAGE FROM	FOOTAGE (meters) TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	Footage To	Footage Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	22.0	CASING									
22.0	27.7	ALTERED (EPIDOTIZED) "FAULT"?									
		Massive felsic-intermediate volcanic.									
		Unit is aphanitic , massive to very weakly foliated at 40 degrees to core angle, light to medium grey to greyish-green.	05231		22.0	27.7 whole rock					
		Unit is very siliceous and somewhat "cherty" locally.									
		Proliferation of epidote? spotting, some stretched along foliation - epidote? patches, bands, irregular veinlets, infill, etc.									
		Core is blocky but not highly weathered throughout unit shear/fault?									
		Local zones with "tourmaline" micro-fracture infill.									
		Epidote rimming of host rock + pyrite grains.									
		1-3% pyrite as clumps.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
27.7	32.9	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		Unit is medium to coarse grain, massive, medium to dark grey with lighter phenocrysts.	05232		27.7	32.9 whole rock					
		Quartz, feldspar grains to 5mm dia.									
		Quartz, feldspar, hornblende (amphibole) assemblage.									
		1-2% pyrite as clumps + disseminated.									
		Core somehwat blocky but not weathered from 27.7 to 31.0m.									
		28.3-28.7 2-3cm irregular quartz vein/patch along core with 8-10% pyrite	08291	3-5 py	28.3	28.7	40	11	30	<0.1	10
32.9	55.3	ALTERED (EPIDOTIZED)									
		Massive felsic-intermediate volcanic.									
		As above at 22.0-27.7, but epidote alteration not as distinct. Epidote spotting. Banding, micro-fracture infill, etc. Local after 40.8 meters.									
		1-3% pyrite.									
		33.2-33.5 Bleached? host rock unit with 1cm quartz vein at 30 degrees to core angle. 3-5% py.	08292	3-5 py	33.1	33.6	50	13	39	<0.1	5
		Occasional quartz/carbonate veins/patches + very occasional .5 to 1cm "bluish" quartz veins/patches.									
		46.8-47.5 Quartz feldspar porphyry intercollation.									
55.3	61.5	QUARTZ FELDSPAR PORPHYRY - DIKE									
		As before at 27.7-32.9 but unit is very blocky but not weathered - fractures?									
		56.2 2cm quartz/carbonate vein at 60 degrees to core angle. Tr to less than 1% py.	08293	3-5 py	56.1	56.4	30	45	24	<0.1	10
61.5	137.1	ALTERED (EPIDOTIZED) MASSIVE FELSIC - INTERMEDIATE VOLCANIC									
		As above at 32.9-55.3. Occasional "bluish" quartz veins.									
		1-3% pyrite, 3-5% locally.									
		Also occasional sections of very yellowy pyrite (chalcopyrite)?									
		Core blocky but not weathered locally.									
		68.3 3cm quartz vein at 60 degrees to core angle with vugs + 5-8% pyrite as cubes with very minor sphalerite + chalcopyrite with the pyrite.	08294	1-3 py tr sph tr cpy	68.2	68.5	30	13	27	<0.1	170
		70.0 3cm quartz vein at 40 degrees to core angle 1-3% pyrite	08295	2-4 py	69.9	70.2	30	20	36	0.4	10

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		70.0-72.5 Host rock unit with 5-8% finely disseminated pyrite.	08296	5-8 py	70.5	71.5	100	23	35	<0.1	5
			08297	5-8 py	71.5	72.5	100	14	39	<0.1	5
		74.5-75.1 4 quartz veins/patches from 1-6cm wide at approx. 40 degrees to core angle with 5-8% pyrite in and around veins with 3-5% very yellowy pyrite-chalcopyrite?	08298	5-8 py tr cpy	74.5	75.1	60	9	22	<0.1	<5
		77.7-80.3 Quartz feldspar porphyry intercollation 5-8% pyrite.									
		84.8-86.6 Quartz feldspar porphyry intercollation. 1-3% pyrite.									
		After approximately 85.0, host rock unit has much finer epidote spots to 5mm dia. - more evenly spotted.									
		90.1-90.4 Host rock bleached zone? shear? Unit appears to be an alt. rhyolite - sericitic + schistose with 5-8% banded + disseminated pyrite. Foliation to 60 degrees to core angle.									
		*101.8-103.2 "Shear zone" "Felsic tuff"? Rhyolitic with8-10% banded+ disseminated pyrite - foliation at 50 degrees to core angle - sharp upper + lower contacts - also somewhat cherty.	08486		101.7	102.7	100	214	132	<0.1	55
			08487		102.7	103.7	100	30	45	<0.1	<5
		107.8-108.2 40cm silicified zone of host rock with 3-5% irregular stringers of chalcopyrite + 8-10% py	08299	3-5 cpy 8-10 py	107.8	108.2	40	12250	4730	7.9	310
			08299	re-assayed (pct)				1.04			
		127.4-129.0 "Shear/Fault"? zone. Host rock unit is blocky - fragmental with mafic volcanic fragments with carbonate fracture infill. Tr to 1% sulphides.	08300	tr-1 py	127.4	129.0	160	163	110	<0.1	<5
		129.6 (approx.) - 130.5 (approx.) Host rock is very carbonatized, very soft - powders on scratch - with green chlorite grains to 5mm dia. Lumpy eroded surface.	08301	tr sulph	129.6	130.6	100	58	72	<0.1	<5
137.1	178.0	ALT. (EPIDOTIZED) INTERMEDIATE TO MAFIC VOLCANIC									
		Sharp contact at 137.1 at 50 degrees to core angle.	05233		137.1 whole rock	178.0					
		Unit is aphanitic to very fine grain, massive to weakly foliated to well foliated (where epidote grains trend along foliation) at 50 degrees to core angle.									
		Unit is medium to dark green to greeny black on fracture (schistose-slickenside) surfaces with whitish-green epidote spotting to 10mm dia.									
		Unit is schistose with greeny-black shiny slickenslide fracture surfaces.									
		Occasional quartz-carbonate veins to 10mm dia. + micro-fractures with quartz-carbonate infill.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		1-3% pyrite throughout unit as small regular + irregular stringers, clumps + disseminated.									
		Core somehwat blocky but not weathered locally.									
		148.8-150.6 Quartz feldspar porphyry intercollation.									
		155.0-162.0 Host rock unit is very blocky and somewhat weathered - with soft powdery weathering. Unit is also fractured with chlorite + quartz-carbonate fragments. 1-3% pyrite usually rimming quartz-carbonate fragments.	08302	1-3 py	155.0	156.0	100	51	72	0.1	5
			08303	1-3 py	156.0	157.0	100	49	90	<0.1	5
			08304	1-3 py	157.0	158.0	100	78	97	<0.1	5
			08305	1-3 py	158.0	159.0	100	132	86	<0.1	10
			08306	1-3 py	159.0	160.0	100	86	87	<0.1	5
			08307	1-3 py	160.0	161.0	100	125	88	<0.1	10
			08308	1-3 py	161.0	162.0	100	92	91	0.2	10
			08309	1-3 py	162.0	163.0	100	347	88	0.3	10
			08310	1-3 py	163.0	164.0	100	136	77	<0.1	<5
178.0	205.7	ALT. (SILICIFED + TUFFACEOUS) - FRAGMENTAL? FELSIC-INTERMEDIATE VOLCANIC									
			05234		178.0						
		Unit is aphanitic to very fine grain; light to medium green to greeny-grey. Reasonably well foliated to 35-55 degrees to core angle. Occasional zones of quartz eyes/fragments. Some along foliation. Epidote bands + spots locally.									
		Very siliceous and somewhat cherty locally.									
		Occasionally tuffaceous after 184.0.									
		1-3% pyrite, 3-8% locally with tr-1% sphalerite + tr chalcopyrite.									
		Locally schistose with platy slickenslide fracture surface.									
		187.5 (approx.)-190.5 (approx.) Altered host rock with "cherty zones" + stringer pyrite, chalcopyrite sphalerite at 189.8-190.1. Generally 5-8% pyrite, tr-10% cpy + sph	08311	3-5 py tr cpy,sph	187.0	188.0	100	222	109	0.2	10
			08312	3-5 py tr cpy,sph	188.0	189.0	100	166	182	0.3	20
			08313	3-5 py tr cpy,sph	189.0	190.0	100	686	1965	0.9	75
			08314	3-5 py tr cpy,sph	190.0	191.0	100	47	105	0.1	5
		Unit gets less tuffaceous after 194.0m.									
205.7	208.7	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		Generally as before at 27.7-32.9. Sharp upper + lower contacts at 50 degrees to core angle.									
208.7	255.7	VERY ALTERED (SILICIFIED + CHLORITIZED) - ALTERATION PIPE FELSIC - INTERMEDIATE VOLCANIC									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Unit is aphanitic, weakly to well foliated to 40-45 degrees to core angle. Light to medium green to greenish-grey. Unit is very schistose with greeny-black serpeninitzed fracture surface.									
		On surface of core, unit resembles a banded tuff with fine bands, to 215.0m.									
		First 1.0m from 208.7 to 209.7 unit is very altered (silicified) with large 2-3cm wide irregular sphalerite band at upper contact.									
		From 208.7 to 230.0 (approx.) unit is more siliceous with quartz specks, clumps and blebs aligned along foliation. Ratio of quartz to chlorite is 60-40%.	05235		205.7	230.0					
					whole rock						
		From 230.0 (approx.) to 244.2 unit is much more chloritized with a ratio of chlorite to quartz of 70-30%.	05236		230.0	239.0					
					whole rock						
			14779		239.0	260.0					
					whole rock						
		After 244.2 ratio of chlorite to quartz is approx. 60-40%									
		244.2-245.2 Quartz feldspar porphyry intercollation.									
		245.2 (approx.) to 253.0 (approx.) Unit appears to be a well foliated banded tuff? at 40 degrees to core angle with a quartz to chlorite ratio of 50-50%.									
		253.0 (approx.) to 255.7 (approx.) Unit appears to be a well foliated banded tuff? at 40-45 degrees to core angle with a quartz to chlorite ratio of 70-30% with quartz eyes, quartz shears/fragments.									
		Thoughout unit - 208.7-255.7 - 1-2% (max.) sphalerite at irregular veinlets, bands, patches, stringers + infill with 3-5% pyrite and tr chalcopyrite. Sphalerite in the quartz rich sections are generally confined to chlorite patches/fragments.	08315	2-3 spy	208.0	209.0	100	150	17750	<0.1	10
			08315	/py	re-assayed (pct)				1.88		
			08316	2-3 spy	209.0	210.0	100	50	3270	0.1	10
			08316	/py	re-assayed (pct)				0.31		
			08317	tr-1 sph	210.0	211.0	100	53	219	<0.1	10
			08318	3-5 py	211.0	212.0	100	59	2720	0.2	5
			08318		re-assayed (pct)				0.28		
			08319	3-5 py	212.0	213.0	100	136	474	0.1	15
			08320	3-5 py	213.0	214.0	100	69	233	<0.1	10
			08321	3-5 py	214.0	215.0	100	168	3570	0.4	70
			08321		re-assayed (pct)				0.36		
			08322	3-5 py	215.0	216.0	100	76	4860	0.2	30
			08322		re-assayed (pct)				0.53		
			08323	3-5 py	216.0	217.0	100	65	4620	0.2	10
			08323		re-assayed (pct)				0.50		
			08324	3-5 py	217.0	218.0	100	114	5400	0.4	35
			08324		re-assayed (pct)				0.56		

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
			08325	2-3 sph	218.0	219.0	100	417	>20000	1.0	50
			08325		re-assayed (pct)				2.32		
			08326	3-5 py	219.0	220.0	100	116	2250	0.3	15
			08326		re-assayed (pct)				0.22		
			08327	tr-1 sph	220.0	221.0	100	88	4320	0.1	5
			08327		re-assayed (pct)				0.43		
			08328	3-5 py	221.0	222.0	100	151	3450	0.2	10
			08328		re-assayed (pct)				0.56		
			08329	3-5 py	222.0	223.0	100	130	3320	<0.1	10
			08329		re-assayed (pct)				0.55		
			08330	3-5 py	223.0	224.0	100	163	2960	0.4	25
			08330		re-assayed (pct)				0.29		
			08331	3-5 py	224.0	225.0	100	180	1005	0.3	20
			08331		re-assayed (pct)				0.10		
			08332	3-5 py	225.0	226.0	100	138	1990	<0.1	10
			08332		re-assayed (pct)				0.20		
			08333	3-5 py	226.0	227.0	100	175	8650	0.2	15
			08333		re-assayed (pct)				0.91		
			08334	3-5 py	227.0	228.0	100	157	5980	0.3	10
			08334		re-assayed (pct)				0.80		
			08335	3-5 py	228.0	229.0	100	170	3420	0.3	15
			08335		re-assayed (pct)				0.35		
			08336	3-5 py	229.0	230.0	100	102	2190	0.2	10
			08336		re-assayed (pct)				0.22		
			08337	3-5 py	230.0	231.0	100	78	1925	0.2	10
			08337		re-assayed (pct)				0.20		
			08338	3-5 py	231.0	232.0	100	136	4790	0.1	50
			08338		re-assayed (pct)				0.51		
			08339	3-5 py	232.0	233.0	100	79	1145	0.1	20
			08339		re-assayed (pct)				0.11		
			08340	3-5 py	233.0	234.0	100	358	6590	0.6	35
			08340		re-assayed (pct)				0.69		
			08341	3-5 py	234.0	235.0	100	60	1385	<0.1	10
			08341		re-assayed (pct)				0.14		
			08342	3-5 py	235.0	236.0	100	102	783	0.1	10
			08343	3-5 py	236.0	237.0	100	114	1595	0.1	20
			08343		re-assayed (pct)				0.15		
			08344	3-5 py	237.0	238.0	100	72	5610	<0.1	20
			08344		re-assayed (pct)				0.61		
			08345	1-2 sph	238.0	239.0	100	237	1760	0.4	30
			08345		re-assayed (pct)				0.16		
			08346	3-5 py	239.0	240.0	100	389	3750	0.8	35
			08346		re-assayed (pct)				0.36		
			08347	3-5 py	240.0	241.0	100	91	3580	0.1	25
			08347		re-assayed (pct)				0.35		
			08348	tr-1 sph	241.0	242.0	100	87	>20000	0.4	25
			08348		re-assayed (pct)				3.24		
			08349	3-5 py	242.0	243.0	100	54	1400	0.2	35

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
			08349		re-assayed (pct)				0.14		
			08350	3-5 py	243.0	244.0	100	85	1350	0.2	85
			08350		re-assayed (pct)				0.14		
			08351	3-5 py	244.0	245.0	100	31	509	<0.1	70
			08352	3-5 py	245.0	246.0	100	134	1170	0.3	35
			08352		re-assayed (pct)				0.12		
			08353	3-5 py	246.0	247.0	100	206	704	0.5	25
			08354	3-5 py	247.0	248.0	100	85	1135	0.2	10
			08354		re-assayed (pct)				0.11		
			08355	3-5 py	248.0	249.0	100	615	1650	1.3	35
			08355		re-assayed (pct)				0.17		
			08356	3-5 py	249.0	250.0	100	207	1285	0.6	20
			08356		re-assayed (pct)				0.14		
			08357	3-5 py	250.0	251.0	100	76	1910	0.3	15
			08357		re-assayed (pct)				0.18		
			08358	3-5 py	251.0	252.0	100	61	814	0.3	10
			08359	3-5 py	252.0	253.0	100	119	489	0.6	10
			08360	3-5 py	253.0	254.0	100	75	328	0.4	5
			08361	3-5 py	254.0	255.0	100	36	312	0.1	10
			08362	3-5 py	255.0	256.0	100	83	193	0.2	10
255.7	259.5	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before at 205.7-208.7, sharp but irregular upper + lower contacts.									
259.5	264.8	ALT. (CHLORITIZED) TUFF? (ALT. PIPE?) FELSIC TO INTERMEDIATE VOLCANIC									
		Generally as above at 208.7-255.7. Unit foliated at 40 degrees to core angle. Heavy chlorite spots, patches, bands to 60%. Very schistose - tuffaceous locally. 3-5 % pyrite locally.									
		259.5-261.0 (approx.) Host rock is less chloritized + appears tuffaceous with tuff. Banding along foliation of 25 degrees quartz eyes, shards, etc.									
		261.0-264.8 Host rock very chloritized.	08363	3-5 py	262.5	263.5	100	149	4620	1.0	15
			08363		re-assayed (pct)				0.30		
			08364	2-3 py	264.0	265.0	100	541	665	2.4	80
264.8	291.0	ALT. (CHLORITIZED) - MASSIVE FELSIC VOLCANIC	05237		264.8	291.0					
					whole rock						
		Generally aphanitic, massive, light to medium grey to greyish green. Light to medium green alt. (vuggy) chlorite grains + patches, many with secondary pyrite common.									
		Occasional small (10mm) darker green unaltered chlorite grains.									
		Abundant quartz-carbonate.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		3-5% pyrite, 10-12% locally.									
		264.8-266.8 Host rock unit tuffaceous?. Banded tuff at 30 degrees to core angle.									
		267.0-268.5 1.5m "shear" host rock unit which is very sheared giving a foliation of 30-35 degrees to core angle - alternating chlorite + siliceous band + banded pyrite to 5-8%.	08365	4-6 py	267.0	268.0	100	58	219	0.2	10
			08366	4-6 py	268.0	269.0	100	45	97	0.3	5
		268.0-268.4 Highest intensity alt.									
		271.0 4cm quartz vein at 35 degrees to core angle with 2-3% pyrite. Disseminated.	08367	2-3 py	270.9	271.2	30	23	63	0.2	5
		271.6-272.5 90cm quartz vein/patch with 1-2% py	08368	1-2 py	271.5	272.5	100	23	35	0.1	<5
		278.0-283.0 Host rock unit with 8-10%, 10-12% py locally as disseminated py + clumps	08369	8-10 py	278.0	279.0	100	68	72	0.2	10
			08370	8-10 py	279.0	280.0	100	47	71	0.2	5
			08371	8-10 py	280.0	281.0	100	84	65	0.2	<5
			08372	8-10 py	281.0	282.0	100	28	67	0.3	<5
			08373	8-10 py	282.0	283.0	100	48	56	0.3	<5
		290.6-291.0 40cm greenish porphyry dike?									
291.0	294.7	QUARTZ, FELDSPAR PORPHYRY - DIKE?									
		As before at 255.7-259.5. Sharp but irregular upper + lower contacts.									
294.7	298.6	DACITE - MAFIC - VOLCANIC DIKE?									
		Unit is aphanitic to very fine grain, massive, med. to dark green with proliferation of very fine epidote? spotting (light green).									
		Micro-fractures with epidote/chlorite infill - usually vuggy with pyrite	08374	10-15 py	295.5	296.5	100	168	194	0.3	10
			08375	10-15 py	296.5	297.5	100	178	193	0.3	10
		10-15% pyrite, 15-20% locally									
298.6	302.0	ALTERED (CHLORITIZED) MASSIVE FELSIC VOLCANIC									
		As before at 264.8-291.0. Generally less chlorite than above.									
		301.3-302.0 70cm quartz vein/patch with tr to 1% py	08376	tr-1 py	301.3	302.0	70	105	43	0.1	5
302.0	305.3	QUARTZ, FELDSPAR PORPHYRY - DIKE?									
		As before at 291.0-294.7 with 5-8% disseminated pyrite.									
305.3	318.3	ALTERED (CHLORITIZED) - MASSIVE FELSIC VOLCANIC									
		Generally as before at 298.6-302.0 but with many small (10-20cm) quartz feldspar porphyry fragments - also more vuggy than before!	08377	8-10 py	308.0	309.0	100	140	120	0.3	5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
318.3	320.0	QUARTZ, FELDSPAR PORPHYRY - DIKE?									
		As before at 302.0-305.3 but appears much more dioritic than before.									
	320.0	END OF HOLE									

DIAMOND DRILL RECORD — HOLE NUMBER: DT-8-88 & DT-8A-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-8-88 & DT-8A-88 LENGTH: 401 meters
LOCATION: Claim No. 374017-1
LATITUDE: 3+00N DEPARTURE: L0+60E
ELEVATION: AZIMUTH: S 210 deg. DIP: -55 deg
STARTED: January 11/86 FINISHED: January 16/88
CONTINUED: February 21/88 FINISHED: February 24/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
20	-55	-55.70	200	-55	-55.10
100	-55	-55.90	300	-52	
			400	-50	

FOOTAGE		DESCRIPTION	SAMPLE		ASSAYS						
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO	No.	Sulph	From	To	Total	ppm (cm)	ppm	ppm	ppb	
0.0	20.0	CASING									
20.0	34.4	QUARTZ, FELDSPAR, PORPHYRY - DIKE									
		Unit is medium to coarse grain, light to medium grey, massive, with quartz, feldspar, biotite (hornblende) assemblage.	05238		20.0	34.4 whole rock					
		Local pink k-spar alteration from 29.0-31.0m.									
		2-3% pyrite throughout unit.									
		22.1-22.2 10cm tourmaline vein at 35 degrees to core angle with quartz-carbonate vein in center. Also with 5-8% cubic pyrite.	08378	2-3 py	22.0	22.3	30	9	20	<0.1	210
34.4	84.1	GABBRO									
		Unit is fine to medium grain, massive, dark green to greenish black. With light green - fine epidote spotting.	05239		34.4	84.1 whole rock					
		Micro-fractures with epidote, chlorite + quartz-carbonate infill.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Visible magnetite grains locally to .5mm dia.									
		Very magnetic.									
		Occasional chlorite patches.									
		1-2% pyrite disseminated throughout core with 2-3% locally as stringers + diss. Up to 10-12% over (15-20 cm)									
		Occasional QFP intercollations at 35.5.									
		35.7-37.0 Host rock unit with 5-8% pyrite, 10-15% locally.	08379	8-10 py	35.7	36.7	100	354	90	0.1	15
			08380		36.7	37.7	100	196	101	<0.1	10
		37.0-40.0 Host rock unit with very chloritized sections.									
		38.3 10cm very chloritized host rock unit with brownish-purple clots - hematite - sphalerite??	08381	tr-1 sph 1 py	38.2	38.5	30	58	94	<0.1	<5
		42.3-44.0 "Shear/front" zone. Host rock unit is very schistose, soft (chloritized + carbonatized) foliated at 50° (approx.) to core angle with 8-10% pyrite at 43.2-44.0. Unit is very sheared with chlorite + carbonate (very soft material) + fault gouge + 5-8% banded pyrite.	08382	5-8 py	42.0	43.0	100	93	253	<0.1	10
			08383	5-8 py	43.0	44.0	100	88	150	<0.1	5
			08384	5-8 py	44.0	45.0	100	147	175	0.1	10
			08385	5-8 py	45.0	46.0	100	104	117	0.1	<5
		44.0-46.0 Unit hosts numerous bluish-grey quartz patches with 8-10% pyrite throughout unit as clumps + disseminated.									
		56.0-56.3 30cm minor "shear", host rock schistose. Foliated with a tourmaline (3cm) vein + quartz carb at 56.2.	08386	5-8 py	56.0	57.0	100	179	101	<0.1	10
		56.5-56.7 2 x 4cm quartz veins at 50 degrees to core angle, 8-10% py									
		After approx. 74.0m host rock unit gets finer in grain size and lighter in color. (Also softer with more chlorite and less magnetite.)									
		67.1-67.3 20cm long, 4cm wide quartz vein at 20 degrees to core angle with 5-8% pyrite as clumps and minor epidote + tourmaline.	08387	3-5 py	67.0	67.4	40	196	127	0.3	5
		Occasional small 5-8cm quartz, feldspar, porphyry intercollations after 77.0m.									
84.1	100.0	ALTERED - FELSIC - INTERMEDIATE VOLCANIC FRAGMENTAL									
		Unit is aphanitic to very fine grain, massive, light to medium grey to greyish-green. Very siliceous (felsic volcanic) with quartz + chlorite fragments, bands, patches, etc.	05240		84.1	100.0 whole rock					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Micro-fractures with quartz-carbonate infill.									
		3-5% pyrite, 5-8% locally as clumps + disseminated throughout unit.	08388	5-8 py	89.0	90.0	100	75	84	<0.1	5
			08389	5-8 py	91.0	92.0	100	69	86	0.7	10
		Unit is mottled with quartz, chlorite, patches, fragments.	08390	5-8 py	94.5	95.5	100	163	99	<0.1	5
100.0	105.7	QUARTZ, FELDSPAR, PORPHYRY - DIKE									
		As before at 20 - 34.4m. 2-3% pyrite.									
105.7	108.7	ALTERED - FELSIC TO INTERMEDIATE VOLCANIC FRAGMENTAL?									
		Generally as before at 84.1-100.0.									
108.7	117.9	MASSIVE FELSIC VOLCANIC									
		Unit is aphanitic, massive, light to medium grey. Locally somewhat tuffaceous - also somewhat "cherty" locally. 5-8% pyrite with 10-12% locally as clots + disseminated.	05241		108.0	117.9					
						whole rock					
			08391	8-10 py	108.5	109.5	100	146	1515	0.1	5
			08391		re-assayed (pct)				0.16		
			08392	8-10 py	113.0	114.0	100	63	155	0.1	<5
			08393	8-10 py	114.0	115.0	100	118	99	<0.1	<5
		Occasional quartz + quartz carbonate stringers + micro-fracture infill - also occasional bluish quartz veins to 8mm dia.	08394	8-10 py	115.0	116.0	100	39	66	<0.1	5
			08395	8-10 py	116.0	117.0	100	75	81	<0.1	<5
			08396	8-10 py	117.0	118.0	110	30	85	0.1	<5
117.9	212.6	ALTERED - FELSIC - INTERMEDIATE? VOLCANIC FRAGMENTAL?									
		Generally as above at 105.7-108.7 but unit is generally more chloritic to 135.0 (approx.) + up to 15-20% pyrite locally. Unit vuggy after 137.0m (dissoluation of chlorite) much more felsic after 136.0 to 178.0 (approx.).	08397	5-8 py	120.0	121.0	100	45	160	0.2	<5
			08398	5-8 py	121.0	122.0	100	37	200	<0.1	<5
			08399	5-8 py	122.0	123.0	100	36	226	<0.1	<5
			08400	5-8 py	135.5	136.5	100	105	204	0.1	10
		136.0-139.0 3.0m massive felsic volcanic unit.									
		140.0-156.0 Host rock unit is very silicified with "cherty" appearance locally with 10-15% pyrite, 15-25% locally.	08401	12-15 py	140.0	141.0	100	94	199	<0.1	<5
			08402	12-15 py	141.0	142.0	100	74	121	<0.1	<5
			08403	12-15 py	142.0	143.0	100	108	98	<0.1	5
			08404	12-15 py	143.0	144.0	100	63	75	<0.1	<5
			08405	12-15 py	144.0	145.0	100	74	58	<0.1	<5
			08406	15-20 py	145.0	146.0	100	194	46	<0.1	10
			08407	15-20 py	146.0	147.0	100	443	35	0.4	20
			08408	15-20 py	147.0	148.0	100	183	35	0.4	5
			08409	15-20 py	148.0	149.0	100	37	77	0.1	<5
			08410	12-15 py	149.0	150.0	100	177	50	0.1	5
			08411	12-15 py	150.0	151.0	100	104	64	<0.1	<5
			08412	12-15 py	151.0	152.0	100	108	48	0.3	<5
			08413	12-15 py	152.0	153.0	100	82	68	0.1	<5
			08414	12-15 py	153.0	154.0	100	170	62	0.9	5
			08415	10-12 py	154.0	155.0	100	257	46	0.1	5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
			08416	10-12 py	155.0	156.0	100	73	64	<0.1	<5
			08417	10-12 py	156.0	157.0	100	29	48	0.1	<5
			08418	10-12 py	157.0	158.0	100	22	42	0.1	<5
		158.0 (approx.)-174.0 "Shear/fault" zone? Host rock unit is very blocky, bleached, carbonatized, soft, powdery, vuggy with chlorite clots, quartz, fragments, + 8-10% pyrite as clots, veinlets + disseminated 10-15% locally.	08419	10-12 py	158.0	159.0	100	20	36	<0.1	<5
			08420	10-12 py	159.0	160.0	100	15	33	<0.1	<5
			08421	10-12 py	160.0	161.0	100	34	35	<0.1	<5
			08422	10-12 py	161.0	162.0	100	18	22	<0.1	<5
			08423	10-12 py	162.0	163.0	100	16	30	<0.1	<5
			08424	10-12 py	163.0	164.0	100	58	34	<0.1	<5
		Also much more felsic than above - less chlorite.	08425	10-12 py	164.0	165.0	100	45	37	0.1	<5
			08426	12-15 py	165.0	166.0	100	36	53	0.2	<5
			08427	12-15 py	166.0	167.0	100	27	63	0.2	<5
			08428	12-15 py	167.0	168.0	100	28	67	0.1	<5
			08429	12-15 py	168.0	169.0	100	23	99	<0.1	<5
			08430	12-15 py	169.0	170.0	100	18	106	<0.1	<5
			08431	10-12 py	170.0	171.0	100	23	83	0.1	<5
			08432	10-12 py	171.0	172.0	100	32	62	0.2	<5
			08433	10-12 py	172.0	173.0	100	18	73	0.4	<5
			08434	10-12 py	173.0	174.0	100	10	55	<0.1	<5
			08435	10-12 py	174.0	175.0	100	29	88	0.3	<5
			08436	10-12 py	175.0	176.0	100	161	179	0.1	5
			08437	10-12 py	176.0	177.0	100	66	166	0.5	5
			08438	10-12 py	177.0	178.0	100	259	291	0.9	35
		178.0 (approx.) Host rock unit less altered and not fragmented.	08439	10-12 py	178.0	179.0	100	81	333	0.6	20
			08440	10-12 py	179.0	180.0	100	82	440	0.6	20
			08441	10-12 py	180.0	181.0	100	106	377	0.1	10
			08442	10-12 py	181.0	182.0	100	160	268	0.7	30
		178.0 Host rock unit much more evenly chloritized and siliceous - no mottling, no fragments.									
		Felsic - intermediate volcanic.									
		Much less alteration with much less pyrite after 182.0, 5-8% pyrite.	08443	5-8 py	182.0	183.0	100	113	312	1.0	35
			08444	5-8 py	183.0	184.0	100	112	421	0.5	25
		205.4-206.5 110 cm fault/shear? zone. Host rock silicified, bleached, with stringer tourmaline at upper + lower contacts. Pyrite as cubes to 4mm dia. in shear to 8-10%.	08445	8-10 py	205.0	206.0	100	26	55	0.1	10
		206.0-206.4 40cm quartz vein/patch with 1-3% py.	08446	8-10 py	206.0	207.0	100	24	151	<0.1	5
		211.5-212.6 Host rock unit more chloritized but unevenly with chlorite bands. Unit also very well foliated to 20-30 degrees to core angle.	08447	8-10 py	208.0	209.0	100	105	172	<0.1	10
			08448	8-10 py	209.0	210.0	100	99	124	<0.1	10
			08449	8-10 py	210.0	211.0	100	83	131	0.1	10
			08450	8-10 py	211.0	212.0	100	145	171	<0.1	10
			08451	8-10 py	212.0	213.0	100	95	96	0.1	10
212.6	221.5	QUARTZ, FELDSPAR PORPHYRY DIKE?									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		As before at 100.0-105.7.									
		213.2 4cm quartz vein 90 degrees to core angle, tr pyrite.	08452	tr-1 py	213.1	213.3	30	12	48	<0.1	<5
		216.2-216.3 10cm very mottled quartz, chlorite, tourmaline, tr pyrite, vein/patch	08453	tr-1 py	216.1	216.3	20	30	89	<0.1	<5
221.8	236.6	MASSIVE FELSIC VOLCANIC - FRAGMENTAL									
		Generally as before at 108.7-117.9, but host rock is fragmental + unit is chloritized locally with occasional vuggy sections.									
		Proliferation of micro-fractures with carbonate + quartz infill.									
		221.5-226.5 Host rock unit is chloritized and blocky (but not weathered).	08454	5-8 py	225.0	226.0	100	78	175	<0.1	10
		At 225.0-226.0 host rock unit is very well foliated at 35 degrees to core angle + schistose with 5-8% stringer pyrite.	08455	5-8 py	226.0	227.0	100	190	93	<0.1	25
		227.0-236.6 Host rock is less chloritized - massive felsic volcanic - with 5-8% pyrite, 8-10% locally	08456 08457	8-10 py 8-10 py	233.0 234.0	234.0 235.0	100 100	23 98	127 152	0.2 0.7	15 30
		236.4-236.6 Host rock is mildly chloritized with a 20cm quartz vein/patch with minor tourmaline.	08458	5-8 py	236.0	237.0	100	69	103	0.2	15
236.6	246.9	ALTERED (CHLORITIZED) QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		Generally as before at 212.6-221.5 but with a fault/shear zone which is very chloritized.									
		Fault/shear?									
		241.2-243.5 Host rock unit is chloritized, carbonatized, vuggy with quartz + calcite crystals especially at 242.0-242.7.	08459 08459	tr-1 py cpy	241.2	242.2 re-assayed (pct)	100	996 0.12	175	<0.1	5
		From 242.7-243.3 unit is a very chloritized schistose mafic volcanic?	08460 08461	1-2 cpy tr-1 py	242.2 243.2	243.2 244.2	100 100	495 96	139 166	<0.1 <0.1	<5 <5
		Minor tourmaline as bands + epidote.									
		241.8-242.6 80cm very altered vuggy unit with 1-2% chalcopyrite.									
246.9	284.0	ALTERED (CHLORITIZED) LOCALLY. FELSIC VOLCANIC-TUFF?									
		Generally as before at 108.7-117.9 but unit is mildly chloritized in sections (light to medium greenish-grey) + unit appears tuffaceous.									
		Occasional quartz feldspar porphyry intercollations first 8.0m. At 250.0-251.6 (porphyritic)									

FOOTAGE		DESCRIPTION	SAMPLE		ASSAYS						
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		From 246.9-257.0 (approx.) host rock unit slightly chloritized but also tuffaceous in appearance with siliceous bands + patches (cherty zones)	08462	3-5 py	249.0	250.0	100	73	88	0.2	5
			08463	3-5 py	250.0	251.0	100	35	72	<0.1	5
			08464	2-3 py	255.0	256.0	100	89	96	<0.1	<5
		From 257.0-262.5 much more felsic - little chlorite but still tuffaceous with tuffaceous bands + "cherty" zones - quartz eyes/shards/fragments	08465	2-3 py	262.0	263.0	100	74	130	<0.1	<5
		From 262.5-265.3 (as at 246.9-257.0) host rock with chlorite - tuffaceous appearance. "Cherty zone"									
		From 265.3-284.0 (as at 257.0-262.5) felsic volcanic tuffaceous - with tuffaceous bands. Quartz eyes, shards, fragments.	08466	1-3 py	266.0	267.0	100	71	110	<0.1	<5
			08488		279.0	280.0	100	34	59	<0.1	<5
			08489		280.0	281.0	100	146	475	0.2	5
			08490		281.0	282.0	100	205	974	0.1	20
			08491		282.0	283.0	100	86	287	<0.1	10
			08492		283.0	284.0	100	38	215	<0.1	5
			08493		284.0	284.5	50	79	1403	0.4	55
	284.0	END OF HOLE									

DT-8-88 was deepened.

284.0	307.4 approx.	ALTERED (CHLORITIZED) LOCALLY - FELSIC VOLCANIC TUFF?	14781		284.0	307.4 (approx.) whole rock					
		Unit is aphanitic, massive to weakly foliated at 50° to 60° to core angle. Light to medium grey to greenish-grey. Locally somewhat tuffaceous with quartz shards, fragments along foliation.									
		Local sections "cherty" - occasional garnets to 1mm dia.									
		Occasional QFP intercollations.									
		Occasional chlorite and epidote patches and spots.									
		1-3% pyrite, 1-3% chalcopyrite and tr-<1% sphalerite, 1-2% pyrrhotite locally.									
			14828	tr sph 1-3 py	284.5	285.0	50	350	643	1.5	15
			14829	1-3 cpy 5-8 py	285.0	286.0	100	2900	235	3.4	65
			14830	1-3 py	286.0	287.0	100	340	87	0.8	10
		287.0-288.0 Host rock unit with tr sphalerite	14831	1-3 py	287.0	288.0	100	81	107	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		288.0-289.0 Host rock unit very well foliation with 1-3% stringer chalcopyrite and 5-8% pyrite - very schistose.	14832	10-15 py	288.0	289.0	100	126	272	0.3	10
			14833	3-5 py	289.0	290.0	100	94	101	<0.1	15
		290.5-292.0 1.5m "shear". Host rock unit blocky, but not weathered. Very well foliated at 23° to core angle with cherty appearance and 10-15% banded pyrite. Tr chalcopyrite. Very schistose.									
307.4 (approx.)	317.0	ALTERED (EPIDOTIZED SPOTTED) - FELSIC-INTERMEDIATE VOLCANIC	14782		307.4 (approx.)	317.0	whole rock				
		Unit is aphanitic to very fine grained, weakly foliated (variable) to 30-45° to core angle. Medium to dark greenish-grey with epidote? spotting to 1cm dia. in section.									
		Locally chloritic with fine chlorite bands and patches generally after 311.0m.									
		Micro-fractures with quartz-carbonate infill.									
		Unit schistose with waxy fracture surface.									
		1-2% disseminated and fine stringer pyrite with 3-5% locally. Tr pyrrhotite.	14834	1-2 py	310.0	311.0	100	19	78	<0.1	<5
			14835	1-2 py	315.0	316.0	100	29	97	<0.1	<5
317.0	327.5	QUARTZ, FELDSPAR, PORPHYRY - DIKE?	14783		317.0	327.5	whole rock				
		Unit is medium to coarse grained, massive, medium to dark green. Quartz, feldspar, hornblende assemblage with hornblende and chlorite phenocrysts to 5mm dia.									
		1-3% disseminated pyrite throughout unit.	14837	1-3 py	323.0	324.0	100	22	54	<0.1	5
		Micro-fractures with quartz and carbonate infill.									
327.0	335.9	ALTERED (EPIDOTE SPOTTING) - FELSIC-INTERMEDIATE VOLCANIC									
		As before at 307.4 (approx.) to 317.0 but unit has many chloritized dikes??									
		327.0-329.5 Unit is felsic volcanic with epidote spotting of chlorite grains. After 329.3 unit gets more chloritized with larger percentage epidote grains.									
		1-3% pyrite disseminated.	14838	1-3 py	329.0	330.0	100	52	49	<0.1	<5
		329.7-330.4 Mafic (chloritic) dike?	14839	1-3 py	334.0	335.0	100	27	51	<0.1	<5
335.9	354.3	ALTERED (CHLORITIZED AND CARBONATIZED) MAFIC VOLCANIC									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Unit is very fine to fine grained, massive to very weakly foliated at 35° to core angle. Dark green to greeny-black.	14784		335.9	354.3 whole rock					
		Unit is very chloritized in sections and very carbonatized making unit very soft with light green streak.									
		Heavy dark chlorite grains/spots to 5mm dia. locally.									
		1-2% pyrite, 1-3% locally.									
		Occasional (felsic-int. spotted) fragments up to 40cm.									
		346.0-348.0 Host rock unit very carbonatized and very chloritic.	14840	tr py	346.0	347.0	100	83	73	<0.1	<5
			14841	tr py	347.0	348.0	100	19	54	<0.1	<5
		3503.-350.9 Chlorite band/patch and 60cm. with carbonate veins at 50° to core angle.	14842	tr py	350.0	351.0	100	36	65	<0.1	<5
354.3	366.6	VERY ALTERED (CHLORITIZED AND CARBONATIZED) FELSIC-INTERMEDIATE VOLCANIC SPOTTED	14785		354.3	366.6 whole rock					
		Very generally as before at 327.0-335.9 but unit is under the influence of the chloritized and carbonatized mafic volcanic unit.									
		This unit retains its epidote spotting to 5mm dia. but is highly chloritized and carbonatized locally.									
		Occasional QFP fragments to 20cm width.									
		1-3% pyrite with 8-10% locally.									
		361.2-361.6 40cm fault gouge - host rock unit blocky and very weathered, powdery.	14843	tr py	361.1	361.7	60	15	69	0.1	<5
		362.0-362.4 40cm long, 2cm wide fragmented quartz vein/patch with 25-30% yellowy and grassy pyrite?	14844	15-20 py	362.0	362.5	50	58	130	0.3	15
		365.5-366.6 Host rock unit is very silicified with quartz fragments - fractured unit with many quartz and quartz carbonate veinlets/infill. 3-5% pyrite, 8-10% locally generally in quartz and carbonate veinlets/patches.	14845	5-8 py	365.0	366.0	100	53	58	<0.1	30
			14846	5-8 py	366.0	367.0	100	49	73	1.3	6810
			14846		re-assayed (opt)						0.215
366.6	377.7 approx.	ALTERED VERY CHLORITIZED - INTERMEDIATE VOLCANIC									
		Unit is aphanitic to very fine grained, well foliated variable at 40° to core angle but shallows to 30° to core angle from 374.0-372.2 (approx.). Unit is medium to dark green, very chloritized soft, with green powdery streak.	14788		366.6	373.0 whole rock					
		Up to 60% chlorite and 90% chlorite locally up to 373.0 (approx.).									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Generally less chloritic after 373.0 and more carbonatized and quartz infill.	14789		373.0	377.2					
		whole rock		approx.	approx.						
		3-5% pyrite as clumps and disseminated and as stringers.									
		Unit is very shcistose on fracture surface.									
		366.6-373.0 (approx.) Host rock unit is very	14847	3-5 py	367.0	368.0	100	52	84	<0.1	120
		chloritic and schistose with 3-5% pyrite	14848	3-5 py	368.0	369.0	100	140	184	0.1	110
		Resembles alteration pipe?	14849	3-5 py	369.0	370.0	100	15	337	<0.1	15
			14850	3-5 py	370.0	371.0	100	60	625	<0.1	<5
			14851	3-5 py	371.0	372.0	100	31	574	<0.1	10
			14852	1-3 py	372.0	373.0	100	19	496	<0.1	<5
		373.0 (approx.) - 377.2 Host rock unit is less	14853	1-3 py	373.0	374.0	100	49	322	<0.1	<5
		chloritic and more carbonatized.	14854	1-3 py	374.0	375.0	100	45	311	<0.1	30
			14855	1-3 py	375.0	376.0	100	70	566	0.1	40
			14856	1-3 py	376.0	377.0	100	60	254	<0.1	<5
377.2 approx.	401.0	ALTERED (EPIDOTIZED) SPOTTED FELSIC-INTERMEDIATE VOLCANIC									
		Generally as before at 307.4 (approx.) to 317.0 but epidote spots not as well defined.									
		Micro-fractures with quartz-carbonate infill common.	14857	1-2 py	383.0	384.0	100	91	67	0.3	<5
		1-2% disseminated pyrite.	14858	1-2 py	389.0	390.0	100	68	76	<0.1	5
			14859	1-2 py	394.0	395.0	100	42	64	0.1	<5
			14860	1-2 py	399.0	400.0	100	110	70	<0.1	5
	401.0	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-9-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-9-88
LOCATION: Claim No. 374016-2/374016-1
LATITUDE: 4+50N
ELEVATION:
STARTED: January 16/87

LENGTH: 184 meters
DEPARTURE: L0+60E
AZIMUTH: S 210 deg. DIP: -55 deg.
FINISHED: January 21/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
60	-55		184	-54	
100	-55				

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	60.0	CASING									
60.0	61.4	(ALTERED) QUARTZ, FELDSPAR, PORPHYRY - DIKE									
		Unit is medium to coarse grained, massive, medium to dark grey to greyish green with phenocrysts of feldspar + quartz to 7mm dia. - 1-2% pyrite disseminated throughout unit.	05242		60.0	61.4	whole rock				
		Generally much more feldspar phenocrysts than usual.									
		Local sections with felsic volcanic. Fragments/ intercollations.									
61.4	79.5	ALTERED (SHEARED) FELSIC VOLCANIC									
		Unit is aphanitic, weakly to well foliated at 40-45 degrees to core angle, light to medium grey + greyish brown. Sheared zones are light beige to light brown and generally well foliated.	05243		61.4	65.0	whole rock				
		Occasionally schistose, sericitic and often somewhat "cherty" sections.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		3-5% pyrite throughout unit with 10-15% pyrite locally as bands + stringers along foliation in shear/stress zones.									
		Unit blocky throughout core locally. Shear/fault.									
		62.0-65.0 3 host rock sheared units with bleached	08467	5-8 py	62.0	63.0	100	10	49	<0.1	5
		zones and 15-20% pyrite as bands + stringers	08468	5-8 py	63.0	64.0	100	181	2040	<0.1	35
		(over 15cm)	08468	re-assayed (pct)					0.18		
			08469	5-8 PY	64.0	65.0	100	28	114	<0.1	<5
		"FAULT/SHEAR?"									
		65.2-71.8 Host rock unit is very blocky in fragments.	05244		65.2	71.8					
		Very slightly weathered - vuggy with crystaline			whole rock						
		epidote + pyrite infill - also on fracture surface	08470	3-5 py	67.0	68.0	100	14	56	0.1	<5
		occasional vugs with crystaline chlorite.	08471	3-5 py	68.0	69.0	100	11	40	<0.1	<5
		3-5% pyrite	08472	3-5 py	69.0	70.0	100	15	60	<0.1	<5
		Foliation varies between 35-45 degrees to core	08473	3-5 py	70.0	71.0	100	7	49	<0.1	<5
		angle.	08474	3-5 py	71.0	72.0	100	4	49	<0.1	<5
		71.8-79.5 Host rock unit - blocky locally with	08475	3-5 py	76.0	77.0	100	16	1685	<0.1	15
		small minor shear/fault zones.	08475	re-assayed (pct)					0.17		
		Alteration as epidote with pyrite + chlorite.	08476	3-5 py	77.0	78.0	100	4	83	<0.1	<5
		Minor weathering.	08477	3-5 py	78.0	79.0	100	7	67	<0.1	<5
			08478	3-5 py	79.0	80.0	100	32	66	<0.1	<5
79.5	81.4	GABBRO									
		Unit is very fine to fine grained, massive with	05245		79.5	81.4					
		chlorite bands at 50 degrees to core angle, medium			whole rock						
		to dark green to greeny black.									
		Chlorite bands + patches - fragments common.									
		Unit is slightly magnetic locally.									
		Micro-fractures with quartz infill common.									
		2-3% disseminated pyrite.									
81.4	84.6	ALT. (SHEARED) FELSIC VOLCANIC									
		Generally as before at 61.4-79.5 but host rock is very chloritized at upper + lower contacts for up to 30cm. Host rock is a yellowy brownish-grey due to "bleaching" from stress?									
		3-5% pyrite, 10-15% locally.									
		83.0-84.1 Host rock unit sheared with 30 degrees	08479	5-8 py	81.0	82.0	100	53	66	<0.1	5
		foliation + stringer pyrite to 10-15% locally.	08480	5-8 py	82.0	83.0	100	42	81	<0.1	<5
		Unit looks rhyolitic?	08481	5-8 py	83.0	84.0	100	41	43	<0.1	10
			08482	5-8 py	84.0	85.0	100	207	91	0.2	10
84.6	101.9	GABBRO									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Unit as before at 79.5-81.4 but much more magnetic. (Magnetite grains seen to 1mm dia.) Also coarser grain to 90.0m then finer grain.	05246		84.6	101.9 whole rock					
		Unit has abundant chlorite bands, patches, fragments + much more interstitial quartz - to 8-10% to 90.0m.									
		1-3% disseminated pyrite. 3-5% very locally associated with chloritic zones.									
		Occasional sections with blue quartz eyes.									
		91.7 1 1/2cm quartz vein at 30 degrees to core angle with 15-20% sphalerite + 20-25% pyrite as irregular patches/clumps.	08483	1-3 sph 3-5 py	91.5	91.8	30	106	142	0.2	190
101.9	103.6	QUARTZ, FELDSPAR PORPHYRY - DIKE?									
		As before at 60.0-61.4, much more equigranular. 1-2% pyrite + minor pink (k-spar) alteration.									
103.6	109.8	GABBRO									
		As before at 84.6-101.9 siliceous + chloritic. 1-3% pyrite disseminated.									
109.8	111.1	VERY MINERALIZED - FELSIC VOLCANIC									
		Unit is aphanitic, massive, light to medium grey.	08484	15-20 py	109.5	110.5	100	180	4700	0.1	10
		Very siliceous with 25-30% disseminated + banded	08484	re-assayed (pct)					0.45		
		pyrite to 25-35 degrees to core angle with 35-40% pyrite locally.	08485	15-20 py	110.5	111.5	100	90	168	0.1	65
		Tourmaline lathes in pyrite to 3mm length.									
111.1	184.0	GABBRO									
		As before at 84.6-101.9 siliceous + chloritic, locally.									
		133.7 1.5cm quartz vein at 70 degrees to core angle with 15-20% brownish-yellowy pyrite.	08495	3-5 py	133.6	133.9	30	184	140	<0.1	<5
		137.2-137.5 30cm fine grain dike with sharp contacts at 60 degrees to core angle.									
		139.15 2cm quartz vein at 60 degrees to core angle with 10-15% pyrite.	08494	5-8 py	139.0	139.3	30	705	10500	2.5	10
		147.6-147.7 8cm quartz vein/patch with 15-20% pyrite	08496	3-5 py	147.5	147.8	30	125	82	0.4	20
		150.1 2cm quartz vein at 85 degrees to core angle with 20-25% pyrite as clumps.	08497	3-5 py	150.0	150.3	30	174	83	0.2	10
		152.5-152.6 10cm quartz, epidote vein at 80-85 degrees to core angle with 10-15% pyrite.	08498	3-5 py	150.4	150.7	30	163	158	<0.1	10
		160.35 3cm quartz vein at 90 degrees to core angle with 15-20% pyrite + epidote surrounding vein.	08499	3-5 py	160.2	160.5	30	157	98	0.2	10

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		160.7 8cm quartz patch with quartz fragments + epidote + 5-8% pyrite	08500	2-3 py	160.5	160.8	30	257	96	0.1	20
		169.0-169.3 30cm quartz vein/patch with minor epidote + 12-15% pyrite	14501	5-8 py	168.9	169.4	50	206	93	0.4	5
	184.0	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-10-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-10-88 LENGTH: 335 meters
LOCATION: Claim No. 374016-2/374017-2
LATITUDE: 4+50N DEPARTURE: L3+00E
ELEVATION: AZIMUTH: S 210 deg. DIP: -60 deg
STARTED: January 21/88 FINISHED: February 13/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
16	-60	-61.20	200	-60	-60.80
100	-60	-60.50	300	-59	-60.10

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	ASSAYS Footage From	To	Total (cm)	Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	16.0	CASING									
16.0	17.5	INTERMEDIATE TO MAFIC VOLCANIC - PORPHYRY									
		Unit is aphanitic, massive, dark green to greenish black with small quartz, feldspar - hornblende phenocrysts to 3-4mm dia.	05247		16.0	17.5 whole rock					
		Unit is very hard - micro-fractures with quartz infill.									
		Fracture surface schistose with reddish-brown surface-hematite.									
		1-2% very finely disseminated pyrite.									
17.5	19.7	GABBRO	05248		17.5	19.7 whole rock					
		Unit is fine to medium grained, massive, medium to dark green.									
		Unit is very magnetic with visible magnetite grains to 1mm diameter.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Micro-fractures with epidote + quartz infill.									
		Common intercollations/fragments of (int-mafic volc.).									
		2-3% disseminated py.									
		Occasional fracture surfaces with hematite staining?									
19.7	22.7	QUARTZ, FELDSPAR, PORPHYRY - DIKE?	05249		19.7 whole rock	22.7					
		Unit is medium to coarse grained, massive medium to dark greyish-green with quartz, feldspar phenocrysts to 6mm dia.									
		Also hornblende phenocrysts to 5mm dia.									
		Pink (k-spar) alteration throughout unit.									
		Micro-fractures with epidote infill.									
		1-2% disseminated pyrite.									
22.7	33.4	GABBRO									
		Generally as before at 17.5-19.7. Occasional inter-collations of (int-mafic volc.) + QFP intercollation at 29.0-29.9.									
		Unit is magnetic.									
		31.0-33.4 Host rock unit with 5-8% pyrite as clumps to 3mm diameter.	14502	5-8% py	32.0	33.0	100	125	76	0.1	5
33.4	41.2	ALTERED SHEARED SILICIFIED FELSIC-INTERMEDIATE VOLCANIC									
		Host rock is aphanitic, massive to weakly foliated at 30-50° to core angle. Medium to dark brownish-green to green.	05250		33.4 whole rock	41.2					
		Light to medium green bands in a brownish-siliceous matrix.									
		Unit is very siliceous and "cherty" throughout.	14503	3-5 py	34.0	35.0	100	76	82	<0.1	<5
			14504	3-5 py	35.0	36.0	100	70	65	<0.1	<5
			14505	3-5 py	37.0	38.0	100	76	85	1.3	<5
		Chlorite bands + patches with pyrite common.									
		3-5% disseminated pyrite.									
		Unit gets much lighter green (chloritic) after 38.0m but still siliceous and cherty.									
		38.9-40.9 QFP intercollation	14506	3-5 py	40.0	41.0	100	23	73	<0.1	<5
41.2	44.4	QUARTZ, FELDSPAR, PROPHYRY - DIKE?									
		Generally as before at 19.7-22.7 but without hornblende phenocrysts and no (k-spar) alteration.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		44.4 3cm quartz vein at contact with minor tourmaline, tr sulphides. 90° to core angle.	14507	tr-<1 py	44.3	44.6	30	30	33	<0.1	<5
44.4	65.0	ALTERED (SIL) - FELSIC-INTERMEDIATE VOLCANIC									
		Generally as before at 33.4-41.2. Unit is much blockier with angular fragments but no weathering.	14508	1-2 py	51.0	52.0	100	50	81	0.2	<5
		Unit much more chloritic with fine chloritic bands + occasional irregular patches.									
		Very browny/purplish - very siliceous and somewhat "cherty".									
		Occasional zones of feldspar spotting.									
		59.7-60.3 Host rock unit with "cherty" chlorite bands at 20-25° to core angle.	14509	tr-1 py	59.6	60.6	100	193	58	0.1	<5
		From 60.3-65.0 host rock unit is much greener/ chloritic and very hard and "cherty".	14510	tr-<1 py	60.6	61.6	100	70	36	<0.1	<5
			14511	tr-<1 py	61.6	62.6	100	143	33	<0.1	5
65.0	75.4	INTERMEDIATE TO MAFIC VOLCANIC									
		Unit is aphanitic, weakly to well foliated at 50° to core angle. Medium to dark green, schistose, often siliceous sections with "cherty" fragments towards lower part of unit.	14751		65.0	75.4 whole rock					
		Irregular micro-fractures with quartz-carbonate infill.									
		Tr-1% pyrite - unit is chloritic.									
		65.9-67.2 QFP - sharp upper contact at 35° to CA.									
		68.7 - 2cm quartz vein at 40° to CA - barren.	14512	tr-<1 py	68.6	68.9	30	215	54	<0.1	<5
		70.1-71.6 QFP - sharp upper contact at 30° to CA									
		71.6-73.1 Host rock unit is much lighter green and well foliated at 35-40° to CA with frequent siliceous - cherty fragments after 72.5.									
		73.1-74.1 QFP - sharp upper contact at 50° to CA.									
		74.1-75.4 Host rock unit with micro-shears, well foliated, semi-blocky + weathered locally with 5-8% pyrite	14513	5-8 py	74.3	75.4	110	139	89	0.2	40
75.4	92.1	QUARTZ FELDSPAR PORPHYRY - (GRANODIORITE)?	14752		75.4 whole rock	92.1					
		Generally as before at 41.2-44.4 but unit appears to be a granodiorite locally + local pink (k-spar) alteration. Local dark greenish-black sections with chlorite + hornblende phenocrysts - 1-2% disseminated pyrite	14514	1-2 py	86.0	87.0	100	49	60	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		77.0-86.0 Host rock unit with many 10-30cm fine to medium magnetic gabbro intercollations.									
		86.0-92.1 Host rock unit generally more evenly pink (k-spar) alteration - equigranular.	14515	1-2 py	89.0	90.0	100	42	52	<0.1	15
92.1	96.9	GABBRO									
		Generally as before at 22.7-33.4 but unit is very fine to fine grain.									
		Epidote micro-fracture infill common.									
		Unit is magnetic.									
		92.7-92.8 10cm vuggy quartz patch/vein with minor chlorite - barren.	14516	tr-1 py	92.6	92.9	30	18	74	<0.1	<5
		92.8-93.3 QFP intercollation.									
		93.3-93.9 very "cherty" siliceous, very fine grain - gabbro? - magnetic with 8-10% stringer pyrite. 50° to CA.	14517	7-9 py	93.3	94.3	100	133	89	0.1	25
		Occasional QFP intercollations.									
96.9	335.0	QUARTZ, FELDSPAR, PORPHYRY - GRANODIORITE?									
		Generally as before at 75.4-92.1. Unit grades between pink (k-spar altered) to greenish black (chlorite + hornblende + epidote).									
		Also grades between QFP and granodiorite.									
		Generally 1-2% pyrite, 1-3% locally disseminated.									
		Many intermediate to mafic volcanic fragments/intercollations?									
		Altered gabbro?									
		Occasional zones magnetic "accessory magnetite".									
		104.2 5cm wide shear zone on contact between host rock and int-volc. fragment. Sharp upper contact (shear) with tourmaline bands. Shear at 30° to CA - 3-5% pyrite.	14518	2-3 py	104.1	104.4	30	282	63	<0.1	20
		104.2-105.5 Intermediate to mafic volcanic fragment with graphic texture.									
		107.3-107.6 host rock unit which is very siliceous with 8-10% pyrite.	14519	8-10 py	107.3	107.7	40	68	59	0.2	150
		113.0 2cm quartz vein at 30° to CA with 5-8% pyrite as clumps.	14520	3-5 py	112.9	113.2	30	31	61	<0.1	5
		114.0-114.7 Int-mafic fragment with a quartz-carbonate vein parallel to core - 2cm in width - very vuggy with 1-2% pyrite	14521	1-2 py	114.0	115.0	100	57	66	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		124.6-125.6 "Shear zone" with center at 124.7-125.0 with a 30cm quartz vein/patch with tourmaline bands + 5-8% pyrite. Bleached zone on either side of shear.	14522	5-8 py	124.6	125.6	100	27	19	<0.1	1440
			14522	re-assayed							1415
			14522	re-assayed							1630
			14522	re-assayed opt							0.062
		126.7-127.2 Int. to mafic volcanic fragment/intercollation.									
		132.0-134.0 Host rock unit magnetic - with 3-5% pyrite	14523	4-6 py	132.0	133.0	100	24	69	<0.1	10
		134.0-137.0 Host rock unit with vuggy sections with 5-8% pyrite. Epidote micro-fracture infill common + disseminated epidote.	14524	4-6 py	134.0	135.0	100	20	62	<0.1	5
		140.8-141.3 Int-mafic volcanic fragments/intercollation, with sharp upper + lower contacts at 85° to core angle.									
		146.2 "shear" - 7cm quartz-tourmaline irregular vein/patch in shear with bleached zone for 15cm either side, 5-8% pyrite	14525	5-8 py	146.0	146.5	50	23	34	<0.1	280
		153.2 4cm quartz vein - very vuggy with 4-6% pyrite	14526	4-6 py	150.0	150.3	30	12	54	1.8	15
		158.8 "Shear" - 4cm quartz vein at 90° to core angle with tourmaline + 10cm bleached zone on either side of vein. 5-8% pyrite.	14527	5-8 py	158.6	159.0	40	36	33	<0.1	125
		159.3 2-4cm quartz vein at 40° to CA with 3-5% pyrite	14528	3-5 py	159.2	159.5	30	18	44	0.1	5
		160.6-161.4 "shear" 3cm tourmaline vein at 90° to core angle with 15cm bleached zone either side of "shear" with 5-8% pyrite.	14529	5-8 py	160.6	161.4	80	28	35	0.1	730
		165.2 "shear zone" - 10cm shear, host rock foliated to 50° to core angle, 3-5% pyrite	14530	3-5 py	165.0	165.3	30	10	35	<0.1	10
			14531	1-2 py	169.0	170.0	100	9	49	<0.1	20
		171.8 3cm vuggy quartz vein at 50° to CA, tr-1% py	14532	tr-1 py	171.7	172.0	30	13	49	<0.1	<5
		176.9-177.1 20cm long, 4cm wide quartz vein along core, tr-1% pyrite. With 20cm altered host rock either side of vein, with 1-3% pyrite.	14533	1-2 py	176.7	177.7	100	25	43	<0.1	5
		184.3 "shear" - 4cm tourmaline minor quartz vein at 40° to CA with a alt.-bleached zone for 10cm either side of vein. 3-5% pyrite as a .25cm py stringer.	14534	1-2 py	184.1	184.4	30	363	43	0.6	1225
			14534	re-assayed							1934
			14534	re-assayed							2590
			14534	re-assayed opt							0.068
			14535	1-2 py	189.0	190.0	100	59	46	0.1	475
		194.0-197.2 Alt. int. volc/alt (chl) diorite fragment/intercollations with QFP intercollations.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		193.9.9 5cm quartz + tourmaline vein at 90° to CA on contact of fragment/intercollation. Tr-1% pyrite	14536	tr-1 py	193.5	194.5	100	60	46	0.1	1900
			14536	re-assayed							1180
			14536	re-assayed							915
			14536	re-assayed opt							0.032
		200.8 "shear" - 4cm tourmaline + quartz vein at 30° to CA with a 15cm bleached zone on either side of the vein. 5-8% pyrite as clumps + cubes.	14537	3-5 py	200.6	201.0	40	186	26	<0.1	120
		205.2-205.7 50cm quartz + tourmaline vein/patch with 5-8% pyrite as clumps + cubes generally around tourmaline vein/stringers - 10cm bleached zone around vein/patch.	14538	1-2 py	204.0	205.0	100	55	60	<0.1	40
			14539	5-8 py	205.0	206.0	100	79	15	0.2	>20000
			14539	re-assayed							26290
			14539	re-assayed							67390
			14539	re-assayed opt							2.280
			14540	1-2 py	206.0	207.0	100	45	56	<0.1	150
		207.7 4cm quartz vein at 60° to CA with 3-5% pyrite + 5-8% pyrite in 10cm bleached zone either side of vein.	14541	3-5 py	207.6	207.9	30	36	43	<0.1	155
		212.9-213.1 Int-mafic volcanic fragment with sharp contacts at 30° to core angle.									
		219.3 2cm quartz vein at 70° to CA with 60% pyrite in vein. Many smaller quartz veins with minor pyrite in 100cm unit.	14542	1-3 py	218.7	219.7	100	17	39	<0.1	10
			14543	2-3 py	224.0	225.0	100	15	41	<0.1	10
		227.9 5cm epidote band/patch with minor quartz + 5-8% cubic + clumps pyrite	14544	2-3 py	227.8	228.1	30	48	38	0.4	20
		232.7-232.9 Bleached host rock unit with chlorite fragments to 5cm dia. with 3-4% pyrite as clumps	14545	2-3 py	232.5	232.9	40	17	37	<0.1	255
		235.3-235.5 20cm foliated quartz vein at 50° to CA. Grey "cherty" bands with 7-9% stringer pyrite at 50°.	14546	3-5 py	235.0	235.8	80	29	25	<0.1	75
		238.6 "shear" 2cm quartz vein with minor tourmaline with 5-8% pyrite in bleached zone surrounding vein. Vein at 30° to CA.	14547	3-5 py	238.5	238.8	30	33	14	<0.1	350
			14548	2-3 py	244.5	245.5	100	17	43	<0.1	140
		245.7 "shear" - 3cm quartz vein at 85° to CA with minor tourmaline + 10cm bleached zone on either side of vein. 5-8% pyrite.	14549	5-8 py	245.6	245.9	30	37	24	<0.1	3205
			14549	re-assayed							5280
			14549	re-assayed							1345
			14549	re-assayed opt							0.156
			14753		240.0 whole rock	250.0					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		247.8 "shear" 3cm tourmaline - minor quartz vein at 85° to CA with 5-8% pyrite as clumps + 3-5% pyrite in 10cm bleached zone surrounding vein.	14550	4-5 py	247.7	248.0	30	14	24	<0.1	295
		256.9 3cm quartz vein at 60° to CA with 2-3% pyrite + 5-8% pyrite in 10cm bleached zone either side of vein.	14551	3-5 py	256.7	257.1	40	86	19	0.8	2310
			14551	re-assayed							2710
			14551	re-assayed							2100
			14551	re-assayed opt							0.067
		259.6-260.7 "shear" 3 tourmaline veins with very minor quartz - at 259.8 6cm vein at 40° to CA. At 260.2 2cm vein at 25° to CA, and at 260.6 3cm vein at 45° to CA. Bleached zone between 259.6-260.7 with 5-8% pyrite to 8-10% locally.	14552	4-5 py	259.6	260.7	110	21	11	0.1	550
		261.4 3cm quartz vein at 50° to CA with 2-3% pyrite + 5-8% pyrite in 10cm bleached zone either side of vein.	14553	3-5 py	261.2	261.5	30	756	22	0.7	1685
			14553	re-assayed							1280
			14553	re-assayed							920
			14553	re-assayed opt							0.034
		265.7 3cm quartz/pyrite vein at 85° to CA with at least 60% pyrite.	14554	5-8 py	265.6	265.9	30	145	49	0.1	185
			14754		250.0 whole rock	280.0					
		266.8 3cm quartz vein at 60° to CA with very minor tourmaline. 1-2% pyrite in vein.	14555		266.7	267.0	30	84	34	0.4	315
		268.4 "shear" 3cm quartz/tourmaline vein at 70° to CA with 5-8% pyrite + 5-8% pyrite in 10cm bleached zone either side of vein.	14556	5-8 py	268.3	268.6	30	9	18	<0.1	275
		272.3 "shear" 1cm tourmaline vein at 85° to CA with 35-40% pyrite + 5-8% pyrite in 15cm bleached zone either side of vein.	14557	5-8 py	272.0	272.4	40	17	21	<0.1	260
			14755		280.0 whole rock	300.0					
		277.2 "shear" 2cm tourmaline vein with minor quartz at 50° to CA. With 8-10% pyrite + 5-8% py in 10cm bleached zone either side of vein.	14558	6-9 py	277.1	277.4	30	18	15	<0.1	90
		277.6-277.7 "shear" 10cm quartz/minor tourmaline vein at 30° to CA with 2-3% pyrite + 5-8% pyrite in 5cm bleached zone either side of vein.	14559	3-5 py	277.4	277.9	50	25	23	<0.1	3880
			14559	re-assayed							3690
			14559	re-assayed							2915
			14559	re-assayed opt							0.004
		280.1-280.5 "shear" 40cm tourmaline/quartz vein/ patch with 8-10% cubic + clumps pyrite with 5-8% py in 10cm bleached zone either side of vein.	14560	6-9 py	280.0	280.7	70	17	48	<0.1	20

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		283.1 4cm quartz vein at 85-90° to core angle with 3-5% pyrite as clumps	14561	2-3 py	283.0	283.3	30	24	33	<0.1	55
		284.8 "shear" - 3cm tourmaline minor quartz vein at 75° to CA with 3-5% pyrite + 3-5% pyrite in 10cm bleached zone either side of vein.	14562	3-5 py	284.7	285.0	30	24	45	<0.1	10
			14563	2-3 py	286.0	287.0	100	44	57	<0.1	10
		290.0-291.0 Very fine to fine grained. Intermediate-mafic volc./gabbro dike? Fragment. - Sharp upper + lower contacts at 60° to core angle.									
		293.4-297.0 Fine grained intermediate volcanic (sil)/ sil. gabbro porphyry (feldspar phenocrysts). Unit slightly magnetic - fragment?. Sharp but irregular upper contact at 35° to CA - sharp + irregular lower contact at 20° to CA.									
		295.4 5cm quartz vein at 55° to core angle with 1-2% pyrite as cubes + clumps. 1-2% galena.	14564	1-2 py	295.3	295.6	30	20	20	<0.1	20
		298.5-299.0 2x4cm quartz veins with 1-2% pyrite with 1-2% pyrite in surrounding bleached zone.	14565	1-2 py	298.5	299.0	50	33	16	<0.1	25
		301.6-301.7 "shear" - 10cm tourmaline + quartz vein/ patch with 5-8% cubic pyrite with 5-8% pyrite in 10cm bleached zone around vein.	14566	5-8 py	301.5	301.9	40	11	11	<0.1	205
		302.0-302.2 "shear" 20cm quartz + tourmaline vein/ patch with 2-3% pyrite + 3-5% pyrite in 10cm bleached zone around vein.	14567	3-4 py	301.9	302.4	50	21	46	<0.1	<5
			14756		300.0 whole rock	335.0					
			14568	2-3 py	308.0	309.0	100	17	49	<0.1	<5
		315.6 3cm quartz vein at 90° to CA with 5-8% py as clumps	14569	2-3 py	315.5	315.8	30	13	43	<0.1	5
		323.0-325.0 host rock very siliceous with 10-12% py	14570		323.0	324.0	100	57	42	<0.1	<5
		325.4-326.0 Int-mafic volcanic fragment, sharp but irregular contains 5-8% pyrite	14571		324.0	325.0	100	37	35	0.1	120
			14572		325.0	326.0	100	313	121	0.2	30
		328.0-329.0 Host rock unit with quartz patches + int-mafic volcanic fragments to 20cm width with 7-9% pyrite throughout unit.	14573		328.0	329.0	100	219	57	<0.1	<5
		329.8-332.6 Int-mafic volcanic fragment/intercollation with a sharp but irregular upper contact - and	14574	7-9 py	329.3	330.5	100	204	133	0.1	10
		sharp lower contact at 50° to core angle.	14575	7-9 py	330.5	331.5	100	242	130	<0.1	15
		Proliferation of mottled chlorite/quartz + carbonate	14576	7-9 py	331.5	332.5	100	237	101	<0.1	10
		bands + patches.	14577	7-9 py	332.5	333.5	100	53	53	<0.1	50

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Micro-fractures with epidote + pyrite infill.									
		8-10% pyrite as clumps + stringers, 10-12% locally.									
		335.8-336.5 70cm quartz vein/patch with minor tourmaline, 3-5% pyrite and very minor chalcopyrite	14578	3-5 py tr cpy	335.7	336.7	100	86	57	0.2	4085
			14578	re-assayed (opt)							0.052
336.5	340.5	GABBRO									
		As above at 17.5-19.7 but unit is much more siliceous + chloritic - very magnetic with 5-8% pyrite throughout unit, with 8-10% locally.	14579	6-8 py	336.8	337.8	100	264	123	<0.1	40
			14580	6-8 py	337.8	338.8	100	107	135	<0.1	5
			14581	6-8 py	338.8	339.8	100	209	134	<0.1	15
			14582	6-8 py	339.8	340.8	100	243	151	0.1	10
340.5	369.1	INTERMEDIATE TO MAFIC VOLCANIC									
		As before at 65.0-75.4 but unit reasonably, foliated to 40° to core angle with local foliations of 25-30°.									
		Quartz feldspar porphyry fragments to 10-30cm common occurrence.									
		Micro-fractures with epidote + quartz-carbonate infill.									
		2-3% pyrite disseminated + stringers throughout unit with 3-5% locally.									
		350.0-353.0 Altered - Host rock unit with irregular epidote bands + patches with quartz patches + 3-5% pyrite. Foliated at 30° to core angle.	14584	3-5 py	350.0	351.0	100	76	82	<0.1	5
			14585	3-5 py	351.0	352.0	100	74	68	<0.1	10
			14586	3-5 py	352.0	353.0	100	106	85	<0.1	<5
		346.4 5cm quartz vein at 30° to core angle. 1-2% pyrite.	14583	1-2 py	346.3	346.5	30	110	47	<0.1	10
		355.0-359.0 Host rock unit is very well foliated at 25-30° to core angle + somehwat cherty with cherty bands. Occasional pyrite stringers to 5% locally.	14587	3-5 py	355.0	356.0	100	68	56	0.1	10
			14588	3-5 py	356.0	357.0	100	50	66	<0.1	10
			14589	3-5 py	357.0	358.0	100	55	55	0.1	10
			14590	3-5 py	358.0	359.0	100	95	57	<0.1	20
		361.7-362.6 90cm quartz vein/patch with 1-2% py	14591	1-2 py	361.6	362.7	110	51	39	<0.1	<5
		356.7-366.1 40cm quartz vein/patch with 1-2% py	14592	1-2 py	356.6	366.2	60	57	71	<0.1	<5
			14593	7-9 py	366.2	367.2	100	51	75	0.1	<5
			14594	7-9 py	367.2	368.2	100	43	71	0.2	<5
369.1	378.9	QUARTZ. FELDSPAR. PORPHYRY - DIKE?									
		Generally as before at 96.5-336.5.									
		370.4 and 370.6 - 2x4cm quartz veins at 35° to core angle, 1-2% pyrite	14595	1-2 py	370.3	370.7	40	38	45	0.1	30
		374.2-374.6 40cm bleached zone (pinkish quartz vein/ patch) with minor tourmaline + 2-3% pyrite	14596	2-3 py	374.2	374.6	40	19	15	<0.1	5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		374.0-378.9 host rock unit with many felsic volcanic fragments/intercollations up to 40cm length - sharp but irregular contacts.									
		375.2-375.4 20cm bleached host rock unit with 3-5% pyrite	14597	3-5 py	375.1	375.5	40	22	11	<0.1	<5
378.9	383.7	INTERMEDIATE VOLCANIC	14757		378.9 whole rock	383.7					
		Very generally as before at 340.5-369.1 but unit is more an altered dacite. Unit is very fine to fine grain to 380.0. After 381.0 host rock unit gets "cherty" with 3-8% stringer pyrite.									
		Mottled "cherty" bands + patches from 381.0-383.7.	14598	5-8 py	380.0	381.0	100	15	45	<0.1	<5
		381.4 8cm quartz vein at 40° to core angle with 8-10% pyrite + tr-1% galena.	14599	5-8 py tr-1 gal	381.2	381.5	30	86	76	0.2	10
			14600	5-8 py	381.5	382.5	100	37	46	<0.1	5
		382.9-383.6 "Shear zone" with soft, powdery, gouge, very foliated to 40° to core angle. Blocky. 5-8% pyrite + tr-1% chalcopyrite.	14601	tr-<1 cpy	382.5	384.0	150	342	56	0.4	85
383.7	388.2	QUARTZ, FELDSPAR, PORPHYRY DIKE?									
		As before at 369.1-378.9 - 1-2% disseminated pyrite.									
388.2	395.1	ALTERED - FELSIC VOLCANIC	14758		388.2 whole rock	395.1					
		Unit is aphanitic, massive to very weakly foliated, medium to dark grey; locally fragmental - locally "cherty"									
		Unit is blocky and fractured, but not weathered between 389.0-392.0	14602	10-12 py tr cpy	388.0	389.0	100	500	42	<0.1	15
		8-10% stringer + disseminated + clumps pyrite with	14603	"	389.0	390.0	100	682	38	0.3	20
		15-20% locally, but up to 30-60cm length with	14604	10-12 py	390.0	391.0	100	692	33	0.3	10
		tr-<1% chalcopyrite.	14605	10-12 py	391.0	392.0	100	498	521	0.1	5
		Abundant intercollations/fragment QFP + bleached QFP.									
		393.0-395.1 Host rock unit is fragmental with quartz fragments with carbonate infill between fragments	14606	10-12 py	392.0	393.0	100	262	70	0.1	5
			14607	10-12 py	393.0	394.0	100	628	49	0.1	30
			14608	10-12 py	394.0	395.0	100	837	62	0.5	5
395.1	398.5	ALT. (BLEACHED) - QUARTZ, FELDSPAR, PORPHYRY - DIKE?	14759		395.1 whole rock	398.5					
		Generally as before, but 70% of unit is bleached with minor tourmaline veining + 1-2% pyrite.	14609	1-2 py	396.0	397.0	100	22	9	<0.1	30
398.5	425.0	ALT. (MOTTLED + EPIDOTIZED) - INTERMEDIATE TO MAFIC VOLCANIC	14760		398.5 whole rock	425.0					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Generally as before at 378.9-383.7 but more mafic with zones of chloritization + epidotization.									
		"FAULT"									
		401.0-407.0 - host rock unit is blocky, vuggy, chloritic, with fault gouge, minor weathering locally with 3-5% pyrite to 15-20% py locally disseminated in 1 to 2cm vuggy chlorite veins.	14610	8-10 py	400.0	401.0	100	41	41	0.1	<5
			14611	8-10 py	401.0	402.0	100	318	40	0.3	5
			14612	8-10 py	402.0	403.5	100	62	38	<0.1	<5
		403.1-404.2 Bleach QFP fragment with sharp contacts at 30° to core angle with 1-2% pyrite.	14613	1-2 py	403.5	404.2	70	10	10	0.1	<5
			14614	5-8 py	404.2	405.2	100	28	45	0.1	<5
			14615	5-8 py	405.2	406.2	100	42	49	0.1	<5
			14616	5-8 py	406.2	407.2	100	54	63	0.2	5
		FRAGMENTAL									
		408.0-418.5 Host rock unit with quartz fragments + epidote + 5-8% pyrite as blebs + clots.									
		408.9 2cm quartz vein at 20° to core angle with 1-2% pyrite	14617	1-2 py	408.8	409.1	30	60	48	<0.1	5
			14618	5-8 py	410.0	411.0	100	56	51	<0.1	5
		411.5-412.5 Host rock unit (fragmental) with 8-10% pyrite	14619	8-10 py	411.5	412.5	100	67	50	<0.1	5
			14620	5-8 py	416.0	417.0	100	37	60	<0.1	<5
		FRAGMENTAL (CHLORITE)									
		418.5-423.5 Alt pipe? - Unit is highly fragmental with large (5 to 20cm) chlorite fragments. 5-8% to 8-10% locally - pyrite Proliferation of irregular quartz + carbonate bands + patches - infill?	14621	5-8 py	418.5	419.5	100	60	55	<0.1	<5
			14622	5-8 py	419.5	420.5	100	28	44	<0.1	<5
			14623	5-8 py	420.5	421.5	100	72	47	0.1	<5
			14624	5-8 py	421.5	422.5	100	78	62	0.1	<5
		420.3 2cm fault gouge									
		Numerous 5-10cm quartz + carbonate veins/patches									
425.0		END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-11-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-11-88 LENGTH: 260 meters
LOCATION: Claim No. 374017-2
LATITUDE: 3+00N DEPARTURE: 3+60E
ELEVATION: AZIMUTH: S 210 deg. DIP:-55 deg
STARTED: February 14/88 FINISHED: February 18/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
20	-57	-58.40	200	-55	-55.30
100	-56	-56.60			

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	20.0	CASING									
20.0	23.0	ALTERED QUARTZ, FELDSPAR, PORPHYRY - DIKE?	14761		20.0	23.0 whole rock					
		Unit is medium to coarse grained, massive, medium to dark grey to greyish green. Very siliceous sections with pink to orange k-spar alteration + biotite. Quartz, feldspar, epidote, hornblende matrix.									
		1-3% pyrite, generally restricted to alt. siliceous zone between 21.6 to 22.6.	14625	1-3 py	21.7	22.7	100	45	27	<0.1	10
23.0	33.8	ALT. (CHLORITIZED) + "FAULT" - FELSIC-INTERMEDIATE VOLCANIC	14762		23.0	33.8 whole rock					
		Unit is aphanitic to very fine grain, massive to very well foliated at 20° to core angle; medium to dark grey to greeny-grey. Epidote spotting + banding locally.									
		Very chloritized sections, very soft with green powdery streak.									
		Cherty bands after 31.0m - locally fragmental!									
		Micro-fractures with quartz + carbonate and epidote infill.									
		Occasional QFP intercollations.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		23.0-30.8 - FAULT - Host rock is blocky, fragmental, vuggy, (in chloritized sections) but not weathered.									
		"FAULT"									
		Foliation varies from 20° to 40° to core angle within fault.									
		23.0-26.0 Very well foliated - very chloritized	14626	12-15 py	23.0	24.0	100	151	148	0.4	10
		with vugs, soft with 12-15% pyrite to 20% locally	14627	12-15 py	24.0	25.0	100	157	101	<0.1	45
		very finely disseminted.	14628	12-15 py	25.0	26.0	100	100	54	<0.1	10
		27.0-28.6 Q.F.P. intercollation. Sharp contacts at 40° to core angle.									
		28.6-39.5 Unit is very well foliated - very	14629	10-12 py	28.5	29.5	100	65	61	<0.1	10
		chloritized with vugs, soft, with 10-12% pyrite	14630	10-12 py	29.5	30.5	100	27	64	0.1	10
		Foliation 20° to CA (very blocky + fragmental).	14631	10-12 py	30.5	31.5	100	54	58	<0.1	10
			14632	8-10 py	31.5	32.5	100	80	64	<0.1	5
		32.7-33.8 - Q.F.P. intercollation (fragment)									
33.8	42.0	ALT. (CHLORITIZED) + (SIL) - INTERMEDIATE VOLCANIC	14763		33.8 whole rock	42.0					
		Unit is aphanitic to very fine grain, massive to very well foliated locally to 30° to core angle. Also 40° locally. Medium to dark green.									
		Very evenly chloritized with soft, powdery, green streak.									
		Local sections with quartz eyes to 10mm diameter.									
		Locally fragmental with quartz, chlorite fragments.									
		3-5% pyrite, 15-20% locally dissemianted + stringer.									
		37.7-41.0 Q.F.P. intercollation/fragment with int. to mafic volcanic frags. to 10-15cm width.									
		33.8-42.0 Unit is dark green and evenly chloritized	14633	5-8 py	36.0	37.0	100	60	74	0.3	<5
		with abundant carbonate + quartz veins/patches. 5-8% py									
42.0	54.5	TUFF? "Cherty"									
		42.0-53.0 Host rock unit is much lighter green -	14634	8-10 py	41.0	42.0	100	74	85	<0.1	10
		evenly chloritized + carbonatized with quartz eyes	14635	8-10 py	42.0	43.0	100	98	119	0.2	5
		fragments, shards along variable foliation of	14636	8-10 py	43.0	44.0	100	75	144	<0.1	10
		30-40° - soft.	14637	8-10 py	44.0	45.0	100	208	226	<0.1	5
			14638	8-10 py	45.0	46.0	100	125	196	0.1	10
		Unit is tuffaceous with "cherty" bands, wisps,	14639	8-10 py	46.0	47.0	100	91	107	0.1	15
		elongated blebs along foliation	14640	8-10 py	47.0	48.0	100	123	101	0.3	10
			14641	8-10 py	48.0	49.0	100	144	86	0.2	10
		8-10% pyrite disseminated + stringer with 15-20%	14642	8-10 py	49.0	50.0	100	104	69	<0.1	5
		locally as accumulated bands/stringers	14643	12-15 py	50.0	51.0	100	83	81	0.2	15
			14644	12-15 py	51.0	52.0	100	107	55	0.1	15
			14645	12-15 py	52.0	53.0	100	74	51	<0.1	5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		32.5-54.5 Q.F.P. intercollation/fragments									
54.5	65.5	ALT. - SILICEOUS ALTERATION PIPE?? FELSIC TO INTERMEDIATE VOLCANIC									
		Generally as before at 23.0-33.8. Much more felsic + very well foliated at 40° to core angle. Cherty with thin cherty bands along foliation. Unit somehwat schistose + weathered on fracture surface. 6-8% very finely disseminated pyrite.	14646	6-8 py	54.4	55.4	100	121	30	0.1	5
			14647	6-8 py	55.4	56.4	100	75	50	0.3	10
			14648	6-8 py	56.4	57.4	100	131	70	<0.1	5
		56.6-58.7 Very fine to fine grain. Dark green dacite (dike!) with small 10-15cm intercollations of banded felsic volcanic massive - intercollations are foliated at 40°.									
		59.0-60.2 Host rock unit appears to be a felsic tuff? 6-8% diss + stringer py. 10-15% locally	14649	8-10 py	58.5	59.5	100	218	65	0.2	10
			14650	8-10 py	59.5	60.5	100	28	54	<0.1	5
		60.2-64.5 Host rock unit is very cherty with beige to brown cherty bands + patches with 8-10% pyrite + stringers.	14651	8-10 py	60.5	61.5	100	58	96	<0.1	10
			14652	8-10 py	61.5	62.5	100	58	67	0.2	10
			14653	8-10 py	62.5	63.5	100	81	51	<0.1	10
			14654	8-10 py	63.5	64.5	100	148	44	<0.1	10
			14655	8-10 py	64.5	65.5	100	67	83	<0.1	10
65.5	68.0	ALTERED - QUARTZ, FELDSPAR, PORPHYRY - DIKE?	14764		65.5 whole rock	68.0					
		Unit is highly altered - no phenocrysts of quartz or feldspar seen - unit is altered to the point of resembling a metaquartzite - very siliceous with small well compacted quartz veins.	14656	3-5 py	66.0	67.	100	93	181	<0.1	<5
		67.0-68.0 Unit is pinkish-orange (k-spar) alteration	14657	3-5 py	67.0	68.0	100	49	13	<0.1	<5
		1-2% disseminated pyrite 8-10% locally.									
68.0	74.5	SILICEOUS ALTERATION PIPE? - ALT. FELSIC VOLCANIC - FRAGMENTAL									
		Generally as before at 54.5-65.5 but unit is larger and more altered. Quartz fragments + cherty bands + patches in a siliceous minor chloritic matrix. Well foliated to 40° to core angle.	14658	7-9 py	68.0	69.0	100	58	51	<0.1	5
			14659	7-9 py	69.0	70.0	100	58	38	<0.1	<5
			14660	7-9 py	70.0	71.0	100	262	23	0.2	15
			14661	7-9 py	71.0	72.0	100	37	34	<0.1	5
			14662	7-9 py	72.0	73.0	100	62	76	<0.1	5
		5-8% disseminated + stringer pyrite with 8-12% locally, at time for .5 to 1.0 metres.	14663	7-9 py	73.0	74.0	100	86	79	<0.1	5
			14664	7-9 py	74.0	75.0	100	76	149	<0.1	<5
		Some sections present very yellowy + browny pyrite?									
		Lower contact sharp and at 2° to core angle.									
74.5	153.2 approx.	GABBRO									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Unit is very fine to coarse grain (variable), massive, dark green to greeny black to black depending on epidote magnetite ratio - unit is highly magnetic.	14765		74.5	153.2 whole rock	(approx.)				
		Epidote bands, patches to 20cm width common first 20 metres.									
		Epidote micro-fracture infill common and abundant.									
		Occasional sections with chlorite fragments/patches.									
		Commonly vuggy with epidote + pyrite infill.									
		Occasional sections very siliceous with 8-10% quartz + occasional sections feldspar phenocrysts.									
		Micro-fractures + patches + veinlets quartz + carbonate common - visible magnetite grains.									
		1-3% pyrite disseminated + as micro-fracture infill with 8-10% + 20-25% pyrite locally for up to 50cm.									
		74.5-78.5 Generally as a finer grain size. Chilled margin.									
		75.3-75.9 Host rock with vuggy, chlorite veins to lcm width with very yellowy pyrite to 8-10% + quartz vein 5cm at 75.7 with 5-8% pyrite.	14665	8-10 py	75.3	75.6	30	291	97	0.4	10
			14666	5-8 py	75.6	75.9	30	256	89	0.1	10
			14667	5-8 py	76.0	77.0	100	381	100	0.3	15
		80.0-90.0 Host rock unit with abundant epidote + chlorite vuggy patches, bands, with 8-10% pyrite 15-20% locally.	14668	5-8 py	80.0	81.0	100	245	63	0.1	<5
			14669	5-8 py	81.0	82.0	100	334	66	0.1	<5
			14670	8-10 py	83.0	84.0	100	174	69	0.1	<5
			14671	8-10 py	84.0	85.0	100	180	74	0.3	<5
			14672	8-10 py	85.0	86.0	100	122	93	<0.1	<5
		86.5-88.0 Alt. chloritized + vuggy host rock with 15-20 to 20-25% finely disseminated pyrite.	14673	15-20 py	86.0	87.0	100	512	131	0.3	<5
			14674	15-20 py	87.0	88.0	100	580	86	0.4	5
			14675	15-20 py	88.0	89.0	100	184	86	0.1	<5
		92.5-93.0 Q.F.P. intercollation/fragment. (k-spar) alteration - sharp upper + lower contacts at 20^{0} to core angle with lcm quartz vein at each contact - 5-8% pyrite.	14676	5-8 py	93.4	94.1	70	119	66	0.1	<5
		106.2-106.4 40cm long, 2cm wide quartz vein along core with minor chlorite + epidote + 25-30% pyrite	14677	10-12 py	106.2	106.4	20	425	61	0.6	10
		108.5-108.8 30cm host rock unit with 2 quartz veins/ patches with epidote + 5-8% pyrite.	14678	5-8 py	108.4	108.9	50	179	63	0.2	<5
		110.8-111.1 30cm long, lcm wide quartz vein at 10^{0} to core angle with epidote + 25-30% pyrite.	14679	5-8 py	110.7	111.2	50	244	62	<0.1	<5
		112.0-112.3 Numerous epidote veins/patches with up to 15-20% pyrite.	14680	8-10 py	112.0	112.3	30	593	98	0.3	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		114.3 3cm fault gouge with quartz vein/patches surrounding gouge + chlorite - epidote + 8-10% pyrite	14681	5-8 py	114.2	114.5	30	268	77	0.1	<5
		116.0-117.3 Q.F.P. intercollation									
		117.3-119.0 Alt (carbonatized) "shear zone" very highly foliated/sheared at 45° to core angle - possibly host rock (gabbro). Unit is whitish-green to white, very soft, with occasional magnetite grains - very carbonatized with 8-10% very finely disseminated pyrite.	14682	8-10 py	117.0	118.0	100	56	36	<0.1	1390
			14683	8-10 py	118.0	119.0	100	133	89	<0.1	10
		119.0-120.2 Q.F.P. intercollation									
		121.0-123.2 Q.F.P. intercollation									
		120.6-120.9 30cm long, 1.5cm wide quartz vein at 5° to core angle with epidote + 15-20% pyrite.	14684	5-8 py	120.6	120.9	30	193	101	0.1	5
		125.3 2cm quartz vein at 50° to core angle with 8-10% pyrite, minor epidote.	14685	5-8 py	125.2	125.5	30	532	75	<0.1	45
		126.9 4cm bleached zone (shear?) with tourmaline + quartz vein/patches + 8-10% pyrite in shear? + 10-12% py surrounding shear?	14686	8-10 py	126.7	127.1	40	275	68	0.9	2565
		130.6-131.1 Q.F.P. intercollation.									
		131.5-133.0 FAULT? Host rock unit blocky, fragmented, but not weathered with quartz patches + 3-5% pyrite.	14687	3-5 py	131.5	133.0	150	194	123	<0.1	20
		137.2 4cm quartz vein at 50° to core angle with 15-20% pyrite + tourmaline specks to 3mm diameter.	14688	8-10 py	137.0	137.3	30	325	137	0.5	10
		139.7 4cm quartz vein/patch at approx. 35° to core angle with 25-30% pyrite as clumps.	14689	12-15 py	139.5	139.8	30	295	87	0.3	10
		145.2-145.5 30cm very silicified section with 15-20% pyrite	14690	15-20 py	145.2	145.5	30	297	136	0.9	20
		146.0-148.2 Mafic volcanic intercollation	14691	15-20 py	152.0	152.3	30	102	77	1.9	90
		148.2-151.0 Q.F.P. intercollation.									
		152.0-152.3 30cm very silicified section with 15-20% pyrite diss. + stringer.									
153.2 approx.	156.9 approx.	ALTERATION ZONE									
		Appears to be an altered (carbonatized, chloritized) gabbro - felsic volcanic which is very well foliated at 60° to core angle with avacado color cherty bands, + 10-15%, 20-25% locally banded,	14766		153.2	156.9	(approx.) whole rock				
			14692	5-8 py	153.0	154.0	100	92	168	0.5	10
			14693	5-8 py	154.0	155.0	100	168	182	0.6	5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		stringer pyrite, pyrrhotite + minor tr-<1% chalcopyrite.	14694	10-15 py tr-1 cpy+pyrr	155.0	156.0	100	677	284	0.5	15
			14695	"	156.0	157.0	100	154	134	0.7	15
156.9 approx.	182.0 approx.	ALTERED (SHEARED?) - FELSIC VOLCANIC - SILICEOUS ALTERATION PIPE?	14767		156.9	182.0 whole rock	(approx.)				
		Unit is reminiscent of hole #3 (182.3-204.6)	14696	8-10 py	157.0	158.0	100	32	72	0.5	10
		Unit is aphanitic to very fine grain, light to med. grey to avacado grey where cherty, very well foliated - foliation variable, 40° at 158.0m; 30° at 167.0, 30° at 180.	14697	8-10 py	158.0	159.0	100	14	48	0.5	5
			14698	8-10 py	159.0	160.0	100	18	54	0.8	10
			14699	8-10 py	160.0	161.0	100	41	103	0.4	5
			14700	8-10 py	161.0	162.0	100	12	54	0.3	<5
		Unit is very siliceous with quartz + "cherty" bands + patches along foliation.	14701	8-10 py	162.0	163.0	100	10	30	0.2	<5
		Very schistose with sericitic fracture surface.	14702	8-10 py	163.0	164.0	100	19	24	0.5	<5
		Schistose fracture surface often waxy + greasy feel.									
		Unit almost appears to be an altered rhyolite in sections.	14703	8-10 py	164.0	165.0	100	23	29	0.4	10
		Occasional sections very carbonatized - whitish, soft, with whitish streak + powder.	14704	8-10 py	165.0	166.0	100	12	34	0.2	10
		Average sulphides - 8-10% pyrite as stringers + clumps along foliation with 10-15% locally at times over 2 meters. Tr-<1% pyrrhotite, tr-<1% chalcopyrite + bornite??	14705	8-10 py	166.0	167.0	100	11	30	0.2	<5
		Occasional bluish-green spots to 5mm dia. + bluish green cherty sections - accessory fuchite??									
		167.0-167.5 50cm quartz vein/patch with tr pyrite, 1-2% galena	14706	tr py 1-2 gal	167.0	167.5	50	10	36	0.2	5
			14707	8-10 py	167.5	168.5	100	19	41	0.2	5
			14708	8-10 py	168.5	169.5	100	26	55	0.2	5
		169.5-170.0 FAULT 50cm fault gouge. Blocky + weathered zone, very powdery - soft, 8-10% pyrite - host rock either side of fault, very well foliated to 40° to core angle.	14709	8-10 py	169.5	170.5	100	69	25	0.3	10
			14710	8-10 py	170.5	171.5	100	43	25	0.5	5
			14711	8-10 py	171.5	172.5	100	47	31	0.3	5
			14712	8-10 py	172.5	173.5	100	22	34	0.1	5
			14713	8-10 py	173.5	174.5	100	18	21	0.2	<5
			14714	8-10 py	174.5	175.5	100	12	19	<0.1	<5
			14715	10-12 py	175.5	176.5	100	19	41	<0.1	<5
			14716	10-12 py	176.5	177.5	100	19	34	0.2	<5
			14717	10-12 py	177.5	178.5	100	82	43	0.1	5
			14718	10-12 py	178.5	179.5	100	18	48	0.1	<5
			14719	8-10 py	179.5	180.5	100	20	51	0.4	5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
			14720	8-10 py	180.5	181.5	100	30	40	0.1	<5
			14721	8-10 py	181.5	182.5	100	30	52	<0.1	<5
182.0 approx.	246.2	ALT. "TUFF + CHERTY" "FRAGMENTAL" FELSIC TO INTERMEDIATE VOLCANIC	14768		182.0	200.0 whole rock					
		Very generally as before at (54.5-65.5) but unit well foliated to 35° to core angle.									
		Tuffaceous appearance locally.									
		Cherty appearance locally with light brown-beige cherty bands + patches/fragments in mottled fashion.									
		5-8% pyrite as clumps + stringers along foliation. 8-10% locally.									
		182.0-186.0 Host rock unit much more evenly chloritized (darker green) with quartz-carbonate fracture infill.									
		183.3-184.3 Felsic volcanic unit which is blocky + weathered with minor fault gouge + 10-12% dissem. pyrite.	14722	10-12 py	183.3	184.3	100	19	44	0.2	<5
		186.0-187.0 Q.F.P. intercollation.									
		187.0-191.0 Host rock unit well foliated at 33° to core angle + tuffaceous appearance. 5-8% - 7-9% locally py.	14723	6-7 py	188.0	189.0	100	12	57	0.1	15
			14724	6-7 py	189.0	190.0	100	12	52	0.2	10
		192.0-193.0 Q.F.P. intercollation, sharp lower contact 20° to core angle.									
		193.0 Host rock unit is "cherty" with light to dark brown to purplish-brown siliceous - (cherty) bands + patches (fragments)? with 5-8% stringer + disseminated pyrite - 10-15% locally.	14769		193.0	210.0 whole rock					
		Light + dark brown "cherty" siliceous bands + patches occur in a mottled fashion giving unit a mottled appearance.	14725	5-8 py	198.0	199.0	100	25	72	0.2	<5
			14726	5-8 py	199.0	200.0	100	19	87	0.3	<5
			14727	7-8 py	200.0	201.0	100	51	69	<0.1	<5
			14728	5-8 py	205.0	206.0	100	22	70	<0.1	<5
		214.2-216.3 Q.F.P. intercollation/fragment?									
		216.3-240.0 Host rock unit generally darker greenish-brown with brownish cherty patches/fragments - occasional epidote spotting + rimming	14770		216.3	240.0 whole rock					
			14729	5-8 py	216.3	217.3	100	464	118	0.6	10
			14730	5-8 py	217.3	218.3	100	223	98	0.1	<5
			14731	7-9 py	221.5	222.5	100	59	151	0.1	<5
		240.0-246.2 FAULT - host rock unit much more felsic with epidote spots to 5mm dia. vuggy + blocky + fragmented + fault gouge. Rock soft + powdery with 10-12% finely disseminated pyrite. 12-15%	14732	5-8 py	240.0	241.0	100	199	77	<0.1	<5
			14733	8-10 py	242.0	243.0	100	77	107	<0.1	<5
			14734	8-10 py	243.0	244.0	100	62	85	<0.1	<5
			14735	8-10 py	244.0	245.0	100	60	84	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		locally diss. + stringer.	14736	8-10 py	245.0	246.0	100	50	102	0.1	<5
			14737	8-10 py	246.0	247.0	100	84	83	<0.1	5
246.2	250.5	QUARTZ, FELDSPAR, PORPHYRY DIKE?									
		As before at 20.0-23.0 - 1-2% disseminated pyrite.									
250.5	260.0	ALTERED (CARBONATIZED) "FAULT" - FELSIC VOLCANIC									
		As before at 156.9-182.0. Host rock unit is blocky fragmented, with fault gouge, soft, powdery rock. 15-20% pyrite as stringers along foliation + disseminated, very carbonatized from 254.5-257.0.	14744	10-12 py	250.5	251.5	100	13	75	0.2	<5
			14745	10-12 py	251.5	252.5	100	105	52	0.1	<5
			14746	10-12 py	252.5	253.5	100	15	77	<0.1	<5
			14738	10-15 py	253.5	254.5	100	78	55	0.1	5
			14739	10-15 py	254.5	255.5	100	193	71	<0.1	5
			14740	10-15 py	255.5	256.5	100	40	75	<0.1	<5
			14741	10-15 py	256.5	257.5	100	38	96	<0.1	10
			14742	10-15 py	257.5	258.5	100	40	184	<0.1	5
			14743	8-10 py	258.5	259.5	100	40	75	<0.1	10
	260.0	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-12-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-12-88 LENGTH: 144 meters
LOCATION: Claim No. 374017-2
LATITUDE: 1+80N DEPARTURE: L1+20E
ELEVATION: AZIMUTH: N 210 deg. DIP: -55 deg
STARTED: February 18/88 FINISHED: February 21/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
100	-53	-54.00	240	-55	

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	24.0	CASING									
24.0	29.7	QUARTZ, FELDSPAR, PORPHYRY - DIKE?	14771	24.0 whole rock	29.7						
		Unit is medium to coarse grain, massive, light to medium greyish-green: quartz, feldspar, hornblende assemblage									
		Phenocrysts of quartz, feldspar to 5mm dia.									
		3-5% disseminated pyrite - 5-8% locally.	14747	5-8 py	28.8	29.8	100	8	54	0.2	5
		27.3 Mafic volcanic fragment/intercollation.									
29.7	48.9	GABBRO									
		Unit is fine to medium grain, massive to very weakly foliated at 30° to core angle. Medium to dark green to greenish-black depending upon quartz content.	14772		29.7	48.9 whole rock					
		Unit is very magnetic with visible magnetite grains locally to 2mm dia.									
		Micro-fractures with carbonate + quartz infill.									
		Occasional sections with chlorite + epidote.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		5-8% disseminated pyrite but up to 15-20% in and around quartz vein/patches.									
		29.7-32.0 Host rock unit very well foliated at 30° to core angle + blocky, fragmented but not weathered. Very siliceous + 8-10% stringer + diss. pyrite.	14748	8-10 py	29.6	30.6	100	324	175	0.2	20
			14749	8-10 py	30.6	31.6	100	189	164	0.3	120
			14750	8-10 py	31.6	32.6	100	200	131	0.7	35
		32.6-34.6 Host rock unit with 10-15% pyrite in and around quartz vein/patches	14801	10-15 py	32.6	33.6	100	441	133	0.9	30
			14802		33.6	34.6	100	178	172	0.4	10
			14808	10-12 py	34.6	36.0	140	253	139	0.5	20
			14803	10-12 py	36.0	37.0	100	233	116	0.5	20
		38.3 2cm quartz vein at 30° to core angle with 25-30% pyrite	14804	10-12 py	38.2	38.6	40	340	146	1.0	50
		45.8 2cm quartz vein at 40° to core angle with 5-8% pyrite	14805	5-8 py	45.7	46.0	30	201	135	0.2	10
		47.4 2cm quartz vein at 60° to core angle with 3-5% pyrite	14806	3-5 py	47.3	47.6	30	157	109	0.3	10
48.9	56.2	FELSIC - INTERMEDIATE VOLCANIC FRAGMENTAL?									
		Unit is aphanitic to very fine grain, massive to very weakly foliated. Medium to dark greyish-green, with quartz fragments throughout unit. Locally difficult to see!	14773		48.9	56.2 whole rock					
		Micro-fractures with quartz-carbonate infill.									
		2-3% pyrite disseminated + as clumps.									
		Light epidote + carbonate spotting?									
		48.9-49.6 "Shear" - Host rock unit shear + bleached (very felsic - rhyolitic appearance) with 15-20% banded pyrite along foliation of 40° to core angle with tr to <1% sphalerite.	14807	15-20 py tr-1% sph	48.9	49.7	80	475	171	0.2	220
56.2	68.0	VERY SILICEOUS (CHERTY) - FELSIC VOLCANIC - METASEDIMENT??	14774		56.2	68.0 whole rock					
		Unit is aphanitic - almost cherty in appearance, massive, dark greyish-brown, medium to dark brownish-purple on fracture surface.									
		Unit is cherty in appearance with relic quartz fragments + irregular feldspar? spotting.									
		Occasional chlorite + epidote? patches.									
		Micro-fractures with quartz + carbonate? infill.									
		1-2% py. Disseminated + clumps pyrite and 1-2% chalcopyrite as stringers + clumps. Tr sphalerite.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Sharp lower contact at 30° to core angle.									
		60.0-68.0 Host rock unit is very schistose and very finely chloritic but still siliceous. Also tuffaceous + fragmental? Foliated at 50° to core angle.	14809	tr-1 cpy	60.0	61.0	100	40	139	<0.1	<5
			14810	tr-1 cpy	61.0	62.0	100	191	160	0.3	40
			14811	tr-1 cpy	62.0	63.0	100	623	333	1.8	180
			14812	1-2 cpy	63.0	64.0	100	609	1760	1.2	35
		1-2% pyrite + 1-2% chalcopyrite, 1-3% locally for .5 metres	14813	1-2 cpy	64.0	65.0	100	2850	430	4.6	115
			14814	1-3 cpy	65.0	66.0	100	695	292	1.0	20
			14815	1-3 cpy	66.0	67.0	100	135	340	0.7	15
			14816	1-3 cpy	67.0	68.0	100	643	305	0.6	20
68.0	71.0	QUARTZ, FELDSPAR, PORPHYRY - DIKE?	14775		68.0 whole rock	71.0					
		Generally as before at 24.0-29.7. Sharp upper + lower contacts. Upper 30° to core angle; lower 15° to core angle.									
		3-5% pyrite + tr-<1% chalcopyrite. Disseminated.	14817	3-5 py tr cpy	70.0	71.0	100	46	60	0.2	<5
71.0	72.0	ALTERATION (PIPE)? FRAGMENT/INTERCOLLATION (CHLORITIZED) INTERMEDIATE VOLCANIC?									
		Very chloritized (alteration pipe)? fragment/ intercollation?, very well foliated at 20-25° to core angle.	14818	10-15 py 1-2 cpy tr sph	71.0	72.0	100	4570	276	3.5	195
		Unit is very schistose with 10-15% stringer pyrite, 1-2% chalcopyrite and tr-<1% sphalerite.									
		Sharp but irregular upper + lower contacts.									
72.0	78.0 approx.	ALTERED!! FELSIC TO INTERMEDIATE VOLCANIC FRAGMENTAL	14776		72.0 whole rock	78.0					
		Very generally as before at 48.9-56.2 but in this unit quartz fragments are much larger (to 20-30mm) and much more distinct - resembles an altered QFP in sections. Quartz + feldspar fragments in a felsic volcanic matrix with minor chlorite?									
		Occasional light olive green "cherty" bands + patches.									
		1-2% pyrite as individual clumps.	14819	1-2 py	75.0	76.0	100	119	67	0.1	20
78.0	111.0	ALT. (EPIDOTIZED + CHLORITIZED) FELSIC TO INTERMEDIATE VOLCANIC	14777		78.0 whole rock	111.0					
		Generally as before at 48.9-56.2 but unit has epidotized zones with epidote spotting corresponding to chloritic zones.									
		Grey siliceous "cherty" bands common.									
		Foliation variable at 40-50° to core angle.									
		Chlorite + dark grey cherty bands + patches prolific.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		1-2% pyrite, tr-<1% chalcopyrite.									
		Very schistose after 89.0m.	14820	1-2 py	80.0	81.0	100	183	61	<0.1	10
			14821	tr cpy	84.0	85.0	100	94	51	0.1	5
			14822	tr cpy	87.0	88.0	100	162	76	0.1	30
			14823	tr cpy	93.0	94.0	100	102	79	<0.1	5
			14824	1-2 py	108.0	109.0	100	124	105	<0.1	30
111.0	113.3	FINE GRAIN GABBRO? DACITE DIKE?									
		Unit is very fine to fine grain, massive, medium to dark green with occasional individual quartz eyes. Micro-fractures with quartz infill. 1-2% pyrite as stringers/ infill. Unit is non-magnetic.									
113.3	143.5	ALT. (EPIDOTE) SPOTTED FELSIC - INTERMEDIATE VOLCANIC									
		Unit is aphanitic to very fine grain, massive to weakly foliated at 40^{0} to core angle. Medium to dark greenish-grey.	14778		113.3	143.5 whole rock					
		Epidote? spotting + lathes along foliation common.									
		Micro-fractures with quartz-carbonate infill.									
		1-2% disseminated pyrite.									
		114.7-117.2 QFP intercollation?									
		Siliceous and somewhat "cherty" after 120.0m.	14825	1-2 py	123.0	124.0	100	23	111	<0.1	10
		135.0-141.0 local sections to .5m blocky with rubble, but not weathered.	14826	1-2 py	135.0	136.0	100	53	254	0.9	10
			14827		140.0	141.0	100	55	157	<0.1	<5
	143.50	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-13-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-13-88 LENGTH: 236 meters
LOCATION: Claim No. 374017-1
LATITUDE: 2+50N DEPARTURE: L0+0E
ELEVATION: AZIMUTH: S 210 deg. DIP: -55 deg
STARTED: February 25/88 FINISHED: February 29/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
22.0	-57	-57.76	100.0	-55	-56.20
200.0	-54	-55.24			

FOOTAGE FROM	FOOTAGE (meters) TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	Footage To	Total (cm)	Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	22.0	CASING									
22.0	29.0	ALT (CHLORITIZED) LOCALLY FRAGMENTAL? - FELSIC INTERMEDIATE VOLCANIC	14791		22.0	29.0 whole rock					
		Unit is aphanitic to very fine grained, massive, medium to dark grey to greyish-green. Occasional sections of chlorite patches, bands; angular + rounded quartz fragments common.									
		Occasional micro-fractures with quartz + carbonate infill.									
		1-3% pyrite, 5-8% locally as clumps, stringers, + disseminated.	14861	3-5 py	24.0	25.0	100	183	241	1.1	5
		Quartz fragments - not well defined - in felsic-int. matrix.									
		22.0-24.0 Host rock unit block with angular fragments. No weathering!									
		27.5 3cm quartz vein with a tourmaline vein in the center vein at 50° to core angle with 5-8% pyrite surrounding vein.	14862	5-8 py	27.4	27.7	30	22	149	0.9	6760
			14862	re-assayed (opt)							0.197
			14863	8-10 py	27.7	28.7	100	362	253	1.2	55

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
29.0	33.0	QUARTZ, FELDSPAR, PORPHYRY - DIKE?	14792		29.0 whole rock	33.0					
		Unit is medium to coarse grained, massive, medium to dark grey with quartz + feldspar phenocrysts to 5mm diameter.									
		1-3% disseminated pyrite throughout unit.	49024		26.0	27.4	140	192	617	0.4	20
			49025		25.0	26.0	100	73	231	0.1	15
		29.7 3cm quartz + carbonate vein at 75° to core angle with minor tourmaline + 1-3% pyrite in surrounding 10cm bleached zone.	14864	1-3 py	29.5	29.9	40	51	39	0.2	10
33.0	42.6	FRAGMENTAL? FELSIC - INTERMEDIATE VOLCANIC									
		Generally as before at 27.0-29.0 but generally less chlorite. Unit more felsic appearance. Quartz + chlorite fragments, angular + rounded with non-distinct borders (ghosts). Occasional cherty fragments.									
		3-5% pyrite, 10-15% locally as clumps - blebs + stringers	14865	10-12 py	34.0	35.0	100	28	54	0.4	40
			14866	10-12 py	36.0	37.0	100	183	76	0.7	10
			49023		39.0	40.0	100	157	265	1.0	10
42.6	47.7	QUARTZ, FELDSPAR, PORPHYRY, DIKE?									
		As before at 29.0-33.0.	14867	5-8 py	47.4	47.7	30	16	42	0.3	<5
		"Shear" zone at 47.3 to 47.7 - host rock is bleached with chlorite + tourmaline patches. 5-8% pyrite.									
47.7	105.4	FRAGMENTAL? FELSIC - INTERMEDIATE VOLCANIC									
		As before at 33.0-42.6 but much less fragments, also more well defined borders.									
		Unit is much more lightly but more evenly chloritized.									
		1-3% pyrite, 3-5% locally as clumps + disseminated.									
		47.7-49.0 "Shear zone". Blocky + weathered core at 47.7-47.9. Very well foliated at 45° to core angle. 3-5% disseminated pyrite.	14868	3-5 py	47.7	48.7	100	96	83	0.2	10
			14869	3-5 py	48.7	49.7	100	46	92	0.4	10
			49022		49.7	50.4	70	57	136	<0.1	15
		47.7-66.0 (approx.) quartz + chlorite + minor epidote fragments to 10-20% in felsic-intermediate matrix.	14793		47.7 whole rock	66.0					
			14870	1-3 py	53.0	54.0	100	32	84	<0.1	<5
			14871	1-2 py	58.0	59.0	100	74	55	0.2	<5
			14872	1-3 py	62.0	63.0	100	78	86	0.2	5
		66.0 (approx.) - 75.0 (approx.) Quartz + cherty fragments, shards, quartz eyes + chlorite + epidote rimming of chlorite grains to 30-50% in felsic-intermediate matrix.	14794		66.0 whole rock	75.0	approx.				
			14873	1-3 py	68.0	69.0	100	84	65	0.2	<5
			14874	1-3 py	73.0	74.0	100	340	263	0.2	25
		Occasional bluish "cherty" appearing quartz veints.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		75.0 (approx.)-89.0 Quartz + cherty fragments + shards + eyes + chlorite fragments + epidote fragments + epidote spotting + rimming of chlorite grains.	14795		75.0	89.0 whole rock					
		Fragments to 60-80% in a felsic-intermediate matrix.									
		75.0-78.0 Fault/shear? Unit blocky mildly weathered + vuggy with chlorite + epidote on fracture surface with 8-10% pyrite.	14875	3-5 py	75.0	76.0	100	61	153	<0.1	<5
			14876	3-5 py	76.0	77.0	100	33	108	<0.1	<5
			14877	3-5 py	77.0	78.0	100	53	71	<0.1	<5
			49021		78.0	79.0	100	240	259	<0.1	20
			49020		84.0	85.0	100	358	243	<0.1	35
			14878	1-3 py	85.0	86.0	100	106	103	<0.1	<5
		88.5-90.0 50cm long, 2cm wide bluish quartz vein along core angle with 3-5% pyrite.	14879	3-5 py	88.0	89.0	100	89	81	0.1	<5
			14880	1-2 py	89.3	90.3	100	47	106	<0.1	<5
		*90.3-91.8 1.5 meter long milky-white quartz vein with sharp upper + lower contacts at (30^{0} upper - 40^{0} lower) with minor tourmaline veinlets/bands at contacts. Trace sulphides.	14881	tr py	90.3	91.8	150	4	10	0.1	<5
			14882	1-2 py	91.8	92.8	100	23	61	0.1	<5
		92.0-105.4 Quartz + "cherty" + chlorite + epidote fragments, shards, patches, etc. to 30-50% in felsic - intermediate matrix.	14796		92.0	105.4 whole rock					
			14883	1-2 py	95.0	96.0	100	170	123	<0.1	10
			14884	1-2 py	103.0	104.0	100	71	71	<0.1	20
105.4	111.4	QUARTZ, FELDSPAR PORPHYRY - DIKE?	14797		105.4	111.4 whole rock					
		Generally as before at 42.6-57.7 but unit is much more chloritic + epidote + hornblende.									
		1-3% disseminated pyrite.	14885	1-3 py	107.0	108.0	100	24	48	<0.1	<5
111.4	153.3	FRAGMENTAL, ALT. (MILDLY CHLORITIZED) FELSIC VOLCANIC	14798		111.4	153.3 whole rock					
		Very generally as before at 47.7 (approx.) to 66.0 (approx.) but unit is much more felsic. Medium to dark grey color, massive to well foliated locally.									
		Quartz, "cherty", + minor chlorite + minor epidote fragments from 20-50% in a felsic volcanic matrix.									
		1-3% disseminated + as clumps pyrite.	14886	1-3 py	115.0	116.0	100	75	74	0.3	<5
		Occasional sections with feldspar spotting to 5mm dia.	14887	1-3 py	119.0	120.0	100	81	101	0.2	5
			14888	1-3 py	125.0	126.0	100	25	60	<0.1	<5
			14889	1-3 py	130.0	131.0	100	127	73	0.1	10
			14890	1-3 py	136.0	137.0	100	24	50	<0.1	<5
			14891	1-3 py	140.0	141.0	100	56	79	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		After 143.0-153.3 host rock unit is well foliated in sections at 30-35° to core angle with fragments stretched/elongated along foliation.	14892	1-3 py	148.0	149.0	100	124	92	<0.1	5
			14893	1-3 py	151.0	152.0	100	40	73	<0.1	5
153.3	169.8	QUARTZ, FELDSPAR, PORPHYRY, DIKE?									
		Much as before at 105.4 to 111.4. 1-3% disseminated pyrite.	14894	1-3 py	158.0	159.0	100	7	52	<0.1	5
			14895	1-3 py	165.0	166.0	100	13	48	<0.1	<5
169.8	189.8	FRAGMENTS, FELSIC-INTERMEDIATE VOLCANIC									
		Very generally as before at 111.4 to 153.3 but from 170.0 to 182.0 host rock unit is more intermediate with large felsic - "cherty" appearing fragments in an intermediate matrix.	14799		170.0	182.0 whole rock					
			14896	1-3 py	171.0	172.0	100	67	71	0.2	5
			14897	1-3 py	173.0	174.0	100	56	105	0.2	5
		1-3% pyrite + pyrrhotite? - 3-5% locally as clumps.	14898	1-3 py	176.0	177.0	100	81	119	0.2	10
			14899	1-3 py pyrr tr sph	177.0	178.0	100	79	105	0.1	<5
		Tr sphalerite?									
		After 182.0 unit becomes less intermediate and more felsic + "cherty".	14800		182.0	189.8 whole rock.					
			14900	1-3 py	186.0	187.0	100	71	205	0.3	5
189.8	236.0	FELSIC VOLCANIC - "CHERTY" TUFF									
		Unit is aphanitic, weakly to well foliated at 30° to 45° to core angle, medium to dark grey with quartz eyes, shards, fragments along foliation.	48926		189.8	236.0 whole rock					
		Unit is tuffaceous + cherty with quartz eyes + "cherty" whisps + bands along foliation.									
		Occasional chlorite + epidote? patches + spotting locally.									
		2-3% pyrite, 8-10% locally as bands + stringers.									
		1-2% pyrrhotite locally, tr - <1% sphalerite locally.									
		191.5-191.6 10cm quartz vein at 40° to core angle with 10-12% pyrite + tr galena	14901	5-8 py tr gal	191.4	191.7	30	12	41	0.1	<5
			14902	1-3 py	199.0	200.0	100	90	259	0.1	<5
		202.5-203.2 70cm host rock unit, very well foliated at 20° to core angle with 10-15% banded (.5cm wide) pyrite.	14903	10-15 py	202.5	203.2	70	381	220	3.6	250
			49019		204.7	205.3	60	149	215	<0.1	25
		206.0-212.0 Host rock unit generally much "chertier" and tuffaceous + banded with tr-1% sphalerite + tr-1% pyrrhotite + 5-8% pyrite locally.	14904	1-3 py tr-1 sph	206.0	207.0	100	67	215	<0.1	5
			14905	"	207.0	208.0	100	21	87	<0.1	<5
			14906	1-5 py	208.0	209.0	100	24	64	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
				tr pyrr							
			14907	"	209.0	210.0	100	25	55	<0.1	<5
		210.7-211.2 fault/shear. Host rock very foliated	14908	"	210.0	211.0	100	9	46	<0.1	<5
		+ banded with fault gouge, soft, slippery, powdery	14909	"	211.0	212.0	100	9	46	<0.1	<5
		rock foliated at 45° to core angle.	14910	"	212.0	213.0	100	164	154	<0.1	70
			14911	"	213.0	214.0	100	139	403	0.1	<5
			14912	"	214.0	215.0	100	17	119	<0.1	<5
			14913	"	215.0	216.0	100	19	82	<0.1	<5
			14914	3-5 py	218.0	219.0	100	71	68	0.2	<5
			14915	3-5 py	219.0	220.0	100	31	73	0.2	<5
			14916	3-5 py	220.0	221.0	100	27	53	<0.1	<5
		220.4-221.0 Quartz feldspar porphyry intercollation	14917	3-5 py	221.0	222.0	100	36	61	<0.1	5
		/fragmental.									
			14918	3-5 py	222.0	223.0	100	59	87	<0.1	5
		At 223.0 host rock foliation of 30° to core angle									
		disappears and unit gets massive to very weakly foliated.									
			14919	1-3 py	226.0	227.0	100	130	85	0.2	10
		227.0-228.5 fault/shear?. Host rock very blocky	14920	1-3 py	227.0	228.5	150	31	89	0.1	10
		with angular fragments - no weathring. 1-3%									
		disseminated pyrite.									
			14921	1-3 py	234.0	235.0	100	19	61	0.1	<5
		235.0-236.0 Host rock unit gets much more chloritic -									
		sharp upper contact at 50° to core angle.									
236.0		END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-14-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-14-88 LENGTH: 260 meters
LOCATION: Claim No. 374016-1/374017-1
LATITUDE: 2+20N DEPARTURE: L2+40E
ELEVATION: AZIMUTH: S 210 deg. DIP:-55 deg
STARTED: March 1/88 FINISHED: March 12/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
16.0	-54	-55.30	100.0	-51	-52.31
200.0	-50	-48.90			

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	16.0	CASING									
16.0	25.4	FELSIC TO INTERMEDIATE VOLCANIC	48927	whole rock	16.0	25.4					
		Unit is aphanitic to very fine grain, reasonably well foliated at 30° to core angle. Medium to dark greyish green, with very fine feldspar whisps trending along foliation.									
		Uni reasonably "cherty" with "cherty bands" + patches.									
		Quartz-carbonate micro-fracture infill + irregular bands + patches common.									
		Tr - 1% disseminated pyrite + chalcopyrite.	14922	tr-1 py + cpy	16.0	17.0	100	97	70	0.1	<5
25.4	27.3	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
27.3	35.3	FINE GRAIN GABBRO									
		Unit is fine grained, massive to weakly foliated at 43° to core angle. Unit is slightly magnetic, very finely + evenly but not heavily chloritized.	48928	whole rock	27.3	35.3					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Abundant micro-fractures + veinlets + patches with quartz= carbonate infill.									
		Sharp upper + lower contacts at 30° and 45°.									
		Tr - <1% sulphides.	14923	tr-<1	28.0	29.0	100	57	196	0.2	<5
35.3	36.3	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
36.3	86.9 (approx.)	ALTERED (SHEARED) - FELSIC - INTERMEDIATE VOLCANIC - TUFF?	48929		36.3	86.9 whole rock					
		Unit is aphanitic to very fine grained, very well foliated (shear)? at 20-30° to core angle.									
		Unit is light to medium to dark grey to greyish-green.									
		Lighter "cherty" band + patches common along foliation.									
		Unit is quartz eyes/fragments aligned along foliation resembling a tuff?									
		5-8% disseminated + stringer pyrite, 8-10% very locally.									
		37.0-42.0 Host rock unit very well foliated - variable at 20-30° to core angle - tuffaceous + locally "cherty" with 5-8% stringer pyrite.	14924	5-8 py	37.0	38.0	100	106	273	0.2	15
			14925	5-8 py	38.0	39.0	100	94	378	0.2	10
			14926	5-8 py	39.0	40.0	100	102	201	0.2	<5
			14927	5-8 py	40.0	41.0	100	61	149	0.2	<5
			14928	5-8 py	41.0	42.0	100	91	123	0.4	10
		47.6-47.8 20cm "sheared" host rock unit. Very foliated at 35° to core angle. Unit blocky + weathered with fault gouge. 8-10% disseminated + stringer pyrite.	14929	8-10 py	47.3	48.3	100	39	58	0.3	<5
		49.4-51.8 240cm "very sheared" host rock unit which is bleach appearing "rhyolitic", soft, powdery fault gouge locally. 8-10% very finely disseminated pyrite.	14930	8-10 py	49.4	50.4	100	21	29	0.2	5
			14931	8-10 py	50.4	51.4	100	22	37	0.1	<5
			14932	8-10 py	51.4	52.4	100	116	71	0.1	<5
			48600		52.4	53.4	100	112	77	<0.1	30
			48599		53.4	54.4	100	14	133	1.1	25
			48598		54.4	55.4	100	10	46	0.1	15
			48597		55.4	56.0	60	28	54	<0.1	30
		57.4-57.5 10cm fault gouge, unit very weathered powdery with minor fuchite? 8-10% diss. pyrite.	14933	8-10 py	56.0	57.0	100	37	74	0.2	15
			14934	8-10 py	57.0	58.0	100	29	70	0.1	10
		61.0-66.0 Host rock unit fragmental with quartz, "cherty", + chlorite fragments with quartz + carbonate fracture infill. 8-10% disseminated, clumps, + stringer pyrite.	14935	8-10 py	61.0	62.0	100	57	83	0.1	10
			14936	8-10 py	62.0	63.0	100	56	86	0.3	<5
			14937	8-10 py	63.0	64.0	100	74	87	0.1	<5
			14938	8-10 py	64.0	65.0	100	97	64	0.3	<5
			14939	8-10 py	65.0	66.0	100	103	63	0.2	5
			14940	8-10 py	66.0	67.0	100	98	61	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		69.7-70.4 Dacite dike? with quartz-carbonate irregular veinlets/patches.									
		70.4-75.5 Host rock unit is very bleached (sheared) appearing rhyolitic, sericitic, schistose. Also Also fragmental with 5-8% pyrite. Diss. + clumps + stringers. 8-10% locally; minor fuchite?	14941	5-8 py	70.4	71.4	100	11	21	<0.1	5
			14942	5-8 py	71.4	72.4	100	8	30	0.1	10
			14943	5-8 py	72.4	73.4	100	12	35	0.1	5
			14944	5-8 py	73.4	74.4	100	10	32	<0.1	<5
			14945	5-8 py	74.4	75.4	100	15	37	0.2	<5
			48596		79.9	80.9	100	39	58	<0.1	20
			48595		80.9	81.2	130	16	71	<0.1	15
		83.8 7cm fault gouge, 8-10% pyrite	14946	8-10 py	83.6	83.9	30	02	61	<0.1	10
		84.5-85.9 140cm host rock unit, very carbonatized unit. Very whitish + soft + powdery with 5-8% disseminated pyrite.	14947	5-8 py	84.5	85.5	100	25	27	0.3	<5
			14948	5-8 py	85.5	86.5	100	96	92	0.3	<5
86.9 approx.	97.5	SILICEOUS GABBRO?									
		Unit is fine to medium grained, massive to very weakly foliated, medium to dark green to greenish-grey. Quartz eyes to 5mm in diameter, grey to bluish-grey locally. Quartz to 60-70%.	48930		86.9	97.5 whole rock					
		Micro-fractures with quartz-carbonate infill.									
		Tr - 1% sulphides.									
		Unit gets more siliceous after 94.0 with only 10-15% mafics.	14949	tr-1 sulph.	95.0	96.0	100	48	110	<0.1	<5
97.5	130.0	MASSIVE FELSIC - INTERMEDIATE VOLCANIC	48931		97.5	130.0 whole rock					
		Unit is fine to very fine to aphanitic; massive, medium to dark grye to greyish-green.									
		Darker quartz grains to 3-4mm in diameter locally.									
		Micro-fractures + patches + fragments. Quartz + carbonate common.									
		2-3% pyrite, 5-8% locally as disseminated + clumps.									
		Occasional quartz, feldspar, porphyry intercollations/ fragments.									
		97.5-105.0 Host rock unit is fine to very fine grained - aphanitic after 105.0. Very finely but not heavily carbonatized.									
		104.4-105.0 Quartz, feldspar, porphyry intercollations/ fragment?									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		107.0 "shear" Host rock with minor alteration (bleached) with 3cm quartz vein at 65° to core angle with 8-10% pyrite as clumps.	14950	5-8 py	106.9	107.4	50	30	85	<0.1	15
		Abundant micro-fractures with quartz + carbonate infill after 111.0.	14951	2-3 py	111.0	112.0	100	29	83	<0.1	<5
		116.0-121.0 Whitish carbonate spotting to 3mm dia.	14952	2-3 py	119.0	120.0	100	31	100	<0.1	<5
			48594		122.7	123.7	100	20	102	<0.1	15
		128.8-129.3 Very fine grain gabbro fragment (chilled).									
130.0	136.0	GABBRO DIKE									
		As before at 27.3-35.3. Upper and lower contacts sharp but irregular and very fine grained (chilled margin).									
		Unit is massive to very weakly foliated.									
		Siliceous after 133.0 with >10% quartz.									
		Unit is magnetic except chilled margins.									
		Tr to <1% sulphides.									
136.0	157.4	FELSIC - INTERMEDIATE VOLCANIC									
		Generally as before at 97.5-130.0.									
		141.3-145.0 Host rock unit is altered, fragmental with quartz and carbonate patches/fragments and epidote fragments in mafic-volcanic fragments? with 3-5% pyrite as diss. and minor disseminated fuchite!	14953	3-5 py	141.3	142.3	100	14	47	<0.1	<5
			14954	3-5 py	142.3	143.3	100	25	48	0.1	5
			14955	3-5 py	143.3	144.3	100	31	113	<0.1	<5
			14956	3-5 py	144.3	145.3	100	56	88	<0.1	5
		Occasional quartz, feldspar, porphyry intercollations.									
		Occasional sections lighter grey + very fine to fine grain - these sections are generally more carbonatized.									
		2-3% pyrite. 5-8% pyrite as small clumps to 5mm dia. locally.	14957	5-8 py	154.0	155.0	100	58	85	<0.1	5
		Locally fragmental.									
157.4	159.9	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before.									
		Generally with quartz phenocrysts to 6mm diamter.									
		Tr to <1% sulphides.									
159.9	173.5	FELSIC VOLCANIC									
		Unit is much like above at 159.9-160.5 but unit is much more felsic - aphanitic, massive. Medium to dark grey, locally "cherty" appearance.	48932		159.9	173.5 whole rock					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Abundant micro-fractures with quartz + quartz-carbonate infill.									
		1-2% pyrite, 3-5% locally as clumps + disseminated.									
173.5	180.4	ALTERED (CHLORITIZED) - QUARTZ, FELDSPAR, PORPHYRY DIKE?	48933		173.5	180.4					
		Unit is medium to coarse grained, massive, medium to dark green to greenish grey. Quartz, feldspar phenocrysts to 8mm dia. in a medium green (chloritized) matrix.	14958	1-2 py	175.0	176.0	100	13	63	<0.1	5
		Very occasional micro-fractures and veinlets. Quartz and carbonate infill and micro-fractures with epidote infill - usually vuggy.									
		Pinkish (k-spar alteration) feldspar phenocrysts towards end of unit.	14959	tr-1 py	179.0	180.0	100	24	53	<0.1	<5
		Tr - <1% sulphides.									
180.4	229.6	FELSIC - INTERMEDIATE VOLCANIC	48934	180.4	229.6 whole rock						
		Generally as before at 136.0-157.4. Unit is weakly foliation. 3-5% pyrite.									
		187.2-187.8 Fragment? Very well foliated at 35° to core angle carbonatized mafic volcanic? with carbonate bands along foliation.									
			48593		187.0	188.0	100	120	116	<0.1	15
			48592		188.0	188.5	50	29	50	<0.1	<5
		Very sharp upper and lower contacts at 35° to core angle.									
		189.3-189.7 Host rock unit sheared with bleached zone very well foliated at 30° to core angle with 8-10% banded pyrite. Very schistose and sericitic.	14960	8-10 py	189.3	189.7 re-assayed	40 (pct	136	2170 0.23	0.2	10
		195.9-196.7 Bleached host rock unit very well foliated at 30° to core angle with 8-10% banded pyrite.	14961	8-10 py	195.9	196.7	80	74	320	0.3	15
		201.8-201.9 10cm tourmaline vein/patch with 10cm bleached zone either side of patch - 8-10% py as clumps.	14962	8-10 py	201.6	202.0	40	196	44	0.1	245
		206.6-206.8 20cm tourmaline vein/patch with quartz fragments and 20cm bleached zone either side of vein/patch with 8-10% pyrite as fine diss. clumps.	14963	8-10 py	206.4	207.1	70	251	21	0.3	125
		209.4-209.5 10cm tourmaline vein/patch with quartz veins and patches and 2cm pyrite vein at 209.5 - with a 20cm bleached zone either side of vein. 10-15% pyrite.	14964	10-15 py	209.0	209.8 re-assayed	80 (opt)	473	31	0.6	15155 0.770

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		218.0-218.2 20cm quartz vein with 2xlcm tourmaline veins in quartz vein with 2-3% pyrite at edges of vein.	14965	2-3 py	217.9	218.3 re-assayed	40 (opt)	149	23	0.4	1180 0.037
		223.6-224.0 40cm quartz vein with tourmaline veinlets. 5-8% pyrite disseminated around quartz vein.	14966	5-8 py	223.5	224.0	50	28	19	0.1	55
		225.6-226.5 Quartz, feldspar, porphyry intercollation/fragment!									
		226.5-229.6 Unit gets grainier with quartz fragments and quartz eyes to 2mm dia. and 5-8% pyrite disseminated and very weakly foliated.	14967	5-8 py	227.5	228.5	100	100	75	0.1	50
229.6	236.7	QUARTZ, FELDSPAR, PROPHYRY - DIKE?	48935		229.6 whole rock	236.7					
		Generally as before but this unit hosts blue to greyish-blue quartz eyes to 3-5mm dia. and 3-5% brownish pyrite in clumps	14968	3-5 py	231.0	232.0	100	13	59	<0.1	5
			14969	3-5 py	232.0	233.0	100	58	61	<0.1	<5
			14970	3-5 py	234.0	235.0	100	7	53	<0.1	<5
236.7	244.8	FELSIC - INTERMEDIATE VOLCANIC?	48936		236.7 whole rock	244.8					
		As before at 97.5-130.0. Generally a coarser grained felsic-int. volcanic. Grain size is fine grained, quartz grains and mafics (chlorite) can be distinguished.									
		Occasional bluish-grey quartz eyes.									
		Unit almost appears dioritic.									
		1-3% pyrite as clumps and disseminated.									
		236.7-237.0 Host rock unit is very well foliated to 40^{o} to core angle, aphanitic, cherty, sheared locally and bleached.	14971	1-3 py	236.0	237.0	100	29	49	<0.1	105
244.8	250.0	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before at 229.6-236.7 but unit does not have blue quartz eyes. Unit has very distinct quartz and feldspar phenocrysts.									
		Tr to <1% very finely disseminated pyrite.									
250.0	260.0	ALTERED - FELSIC-INTERMEDIATE VOLCANIC?									
		As above at 236.7-244.8. Unit is massive to weakly foliated locally with a fine to medium grained texture.									
		Distinct quartz grains.	14972	3-5 py	254.0	255.0	100	16	53	0.1	125
		3-5% pyrite as clumps and disseminated.	14973	2-3 py	257.1	258.1	100	32	63	<0.1	5
		Unit has dioritic appearance locally.									
		259.1 lcm pyrite band at 25^{o} to core angle in a 10cm wide bleached zone.	14974	15-20 py	258.9	259.3	40	53	38	0.2	15

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
	260.0	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-15-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-15-88 LENGTH: 215.4 meters
LOCATION: Claim No. 374017-1/374018-2
LATITUDE: 0+60S DEPARTURE: L0+0
ELEVATION: AZIMUTH: S 210 deg. DIP: -60°
STARTED: March 13/88 FINISHED: March 17/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
38.0	-57	-59.00	100.0	-52	-52.10
200.0	-45	-41.20			

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	38.0	CASING									
38.0	50.2	ALTERED (EPIDOTE) - FELSIC-INTERMEDIATE SPOTTED	48937		38.0 whole rock	50.2					
		Unit appears felsic, aphanitic to very fine grained, massive to very weakly foliated locally, medium to dark greyish-green with light olive-green epidote spotting to 5mm diameter.									
		Proliferation of epidote spotting and micro-fracture infill.	14975	1-3 py	44.5	45.5	100	108	62	<0.1	10
		Also, micro-fracture with quartz and carbonate infill.									
		1-3% disseminated pyrite.									
50.2	54.7	QUARTZ, FELDSPAR, PORPHYRY DIKE?	48938		50.2 whole rock	54.7					
		Unit is medium to coarse grained, massive, medium to dark grey; - quartz and feldspar phenocrysts in a medium grey matrix. Phenocrysts to 5mm dia. Tr to 1% disseminated pyrite.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Pb
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
54.7	68.0 approx.	ALTERED (EPIDOTE) - FELSIC-INTERMEDIATE SPOTTED									
		Unit as above at 38.0-50.2 but unit has sections that are not spotted with epidote. Also weak foliation locally to what appears to be 45° to core angle. 1-3% disseminated pyrite.									
		60.5-61.0 Quartz, feldspar, porphyry intercollation/fragment.									
		Lower contact not distinct - grades into lower unit.									
68.0 approx.	76.7	FELSIC - INTERMEDIATE TUFF?									
		Unit is aphanitic to very fine grained to fine grained, well foliated at 40° to core angle but rock fractures at 30°.	48939		68.0 approx.	76.7 whole rock					
		Unit is light to medium greenish-grey with light grey siliceous (thin) bands and quartz eyes, fragments, shards along foliation - generally up to 1mm dia.									
		Occasional sections with epidote? feldspar spotting?									
		1-2% disseminated pyrite.	14976	1-2 py	70.0	71.0	100	11	63	<0.1	10
		71.4-72.4 Quartz feldspar porphyry intercollation/ fragment?									
76.7	88.7	ALTERED (EPIDOTE) FELSIC-INTERMEDIATE VOLCANIC									
		Unit is much like before at 54.7-68.0 (approx.).	48940		76.7 whole rock	88.7					
		81.2-83.1 Quartz feldspar porphyry intercollation/ fragment.									
		84.5-85.7 Felsic - int. tuff intercollation/fragment - sharp upper and lowr contact at 40° to core angle.									
88.7	94.1	QUARTZ, FELDSPAR, PORPHYRY DIKE?									
		As before at 50.2-54.7.									
		90.4 4cm quartz vein with minor tourmaline at 50° to core angle with 15-20% pyrite as clumps and a 10cm bleached zone either side of vein.	14977	10-12 py	90.3	90.6 re-assayed	30 (opt)	3	31	1.9	3775 0.142
		92.4 7cm quartz vein at 50° to core angle with minor tourmaline and 5-8% pyrite as cubes and clumps in 10cm bleached zone either side of vein.	14978	3-5 py	92.2	92.6	40	10	27	<0.1	285
94.1	113.4	ALTERED (EPIDOTE), FELSIC-INTERMEDIATE VOLCANIC									
		As before at 76.7-88.7 but unit has less epidote spotting7 - also spotting is sporadic.									
		97.7-99.7 (approx.) altered quartz feldspar porphyry unit.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		101.7-104.0 Host rock unit with abundance of quartz and quartz-carbonate veins, veinlets in an irregular fashion and patches.	14979	2-3 py	101.5	102.5	100	70	65	<0.1	25
			14980	2-3 py	102.5	103.5	100	43	82	0.2	250
			14981	2-3 py	103.5	104.5	100	30	64	<0.1	20
		2-3% disseminated pyrite.									
		105.0-106.5 Altered quartz feldspar porphyry intercollation.									
		111.0-113.4 Shear/fault. Host rock unit gets very foliated at 40° to core angle with serpentinized fracture surface, very schistose, friable, blocky, etc. due to close proximity to shear/fault.	14982	2-3 py	111.0	112.0	100	19	99	<0.1	10
			14983	2-3 py	112.0	113.0	100	51	90	<0.1	15
113.4	115.2	QUARTZ, FELDSPAR PORPHYRY - DIKE?	14984	2-3 PY	113.0	114.0	100	28	111	<0.1	235
		Unit as before. From 114.7 unit is bleached to a whitish-beige colour with 3-5% disseminated pyrite due to close proximity to shear/fault.	14985	2-3 py	114.0	115.0	100	42	46	<0.1	75
115.2	142.6	VERY ALTERED (SHEARED) - CHLORITIZED INTERMEDIATE VOLCANIC	48941		115.2	123.0 whole rock					
		Unit is most likely above unit at 94.1-113.4 but altered.									
		Unit is very fine grained, chloritic, siliceous with cherty bands locally. Very foliated at (variable) 30-40° to core angle, very schistose with serpentinized fracture surface. Very friable, platy, blocky + slightly weathered.	14986	2-3 py	115.0	116.0	100	146	77	<0.1	225
		2-3% disseminated pyrite, 3-5% locally.	14987	2-3 py	116.0	117.0	100	17	42	<0.1	550
		Center of shear appears to be between 119.0-121.0.	14988	2-3 py	117.0	118.0	100	13	40	<0.1	60
		Unit appears to be chloritized more in centre of shear with proliferation of quartz + quartz-carbonate band along foliation.	14989	2-3 py	118.0	119.0	100	25	83	<0.1	70
			14990	2-3 py	119.0	120.0	100	42	89	<0.1	20
			14991	2-3 py	120.0	121.0	100	34	121	<0.1	50
		Severe foliation (shearing) ends at 122.0 meters.	14992	2-3 py	121.0	122.0	100	40	96	<0.1	<5
			14993	2-3 py	122.0	123.0	100	52	124	<0.1	10
		After shear (122.0) unit becomes more evenly chloritized throughout unit - soft with light green streak. Unit still foliated (not severely) at 40° to core angle.									
		127.0-129.3 Altered quartz, feldspar, porphyry intercollation.									
		Feldspar? epidote? spotting after 130.0 meteres.									
		134.8-134.9 10cm fault gouge, very chloritized	14994	2-3 py	134.0	135.0	100	41	140	0.1	15
		138.2-138.8 60cm fault gouge, very chloritized, weathered with 5-8% banded pyrite locally.	14995	3-5 py	138.0	139.0	100	82	595	<0.1	15
142.6	144.8	QUARTZ, FELDSPAR PORPHYRY, DIKE?									
		As before.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
144.8	160.0	ALTERED INTERMEDIATE VOLCANIC TUFF??	48942		144.8 whole rock	160.0					
		Unit as before at 115.2 - 142.6 but unit much less chloritized - chloritization sporadic as bands along foliation - reasonably to well foliated locally at 40^{0} to core angle.									
		Local section siliceous - appear to be felsic - int. volcanic.									
		Quartz + quartz carbonate band + patches + irregular veinlets common.									
		Unit appears tuffaceous locally.									
		1-3% pyrite, 3-5% disseminated pyrite locally generally in more siliceous sections.									
		147.0-150.0 Unit is much more felsic - felsic - intermediate volcanic with 3-5% disseminated pyrite.	14996	3-5 py	147.0	148.0	100	49	202	<0.1	<5
			14997	3-5 py	148.0	149.0	100	78	82	<0.1	10
			14998	3-5 py	149.0	150.0	100	181	53	<0.1	35
160.0	164.2	ALTERED QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before, quartz + feldspar phenocrysts not well defined - ghosts? 1-3% disseminated pyrite.									
164.2	175.9	ALTERED (SHEARED) CARBONATIZED + CHLORITIZED INTERMEDIATE VOLCANIC	48943		164.2 whole rock	175.9					
		Very generally as before at 144.8-160.0. Unit is locally sheared with mild bleaching. Unit is carbonatized, soft, also finely but not heavily chloritized with soft light green streak locally. Local heavy chlorite bands common.									
		Unit very well foliated at 40^{0} to core angle - unit intact but very well foliated.									
		Unit also very schistose + sericitic locally with serpentinized fracture surface which is shiny, slippery, and waxy. 3-5% pyrite. 10-15% very locally.									
		Very local sections look tuffaceous.									
		167.5-168.5 Many quartz + carbonate patches and irregular bands. 3-5% pyrite as individual clumps.	14999	3-5 py	167.5	168.5	100	71	199	0.2	45
		168.5-169.1 Light grey (sheared) bleached zone with 10-15% pyrite as bands along 40^{0} foliation.	15000	8-10 py	168.5	169.5	100	32	196	1.6	260
		171.7 - 174.3 Altered QFP - foliated at 40^{0} to core angle with quartz and feldspar grains stretched along core angle.									
175.9	181.9	QUARTZ, FELDSPAR, PORPHYRY DIKE?									
		As before - 3-5% disseminated pyrite.	48501	1-3 py	176.9	177.2	30	3	57	<0.1	20

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		177.0 3cm quartz and minor carbonate vein at 30° to core angle with 1-3% pyrite and 5cm bleached zone either side of vein.									
		177.3 and 177.4 2x2cm quartz veins at 90° to core angle with 20-25% pyrite as clumps.	48502	10-15 py	177.2	177.5	30	5	57	0.2	145
		178.4 3cm patch of quartz with 8-10% pyrite.	48503	5-8 py	178.3	178.5	20	6	59	<0.1	10
181.9 (approx.)	202.4	ALTERED (SHEARED?) - FELSIC-INTERMEDIATE VOLCANIC	48944		181.9 whole rock	202.4					
		Unit is aphanitic to very fine grained, very well foliated at 40° to core anlge - rock still intact!									
		Light to medium grey to greyish-green.									
		Unit is lightly carbonatized and chloritized. Locally with soft greyish and green powdery streak.									
		Unit is banded with 5-8% pyrite and occasional heavier chlorite bands. 10-12% py locally.									
		This unit is much like above at 164.2-175.9 but appears much more felsic. Unit is much more felsic or much more bleached due to shearing?									
		Very schistose and sericitic.									
		Serpentinized on fracture surface.	48504	5-8 py	184.0	185.0	100	34	150	<0.1	<5
		185.0-200.0 Host rock unit with 5-8% banded pyrite with 8-10 and 10-15% locally.	48505	5-8 py	185.0	186.0	100	18	67	<0.1	10
			48506	8-10 py	187.0	188.0	100	3	42	<0.1	10
			48507	8-10 py	188.0	189.0	100	3	38	0.2	10
			48508	8-10 py	189.0	190.0	100	44	71	<0.1	5
			48509	8-10 py	190.0	191.0	100	38	81	<0.1	<5
			48510	8-10 py	191.0	192.0	100	26	41	0.1	10
			48511	5-8 py	194.0	195.0	100	25	260	0.4	20
			48512	5-8 py	197.0	198.0	100	15	256	<0.1	5
		200.6-202.4 Unit is very light greyish-green - "cherty" appearance - sericitic, 1-3% pyrite.	48513	1-3 py	201.0	202.0	100	29	31	0.1	<5
202.4 (approx.)	209.2 (approx.)	ALTERED INTERMEDIATE VOLCANIC									
		Generally as before at 164.2-175.9 but unit is not as strongly foliated and evenly chloritized.	48945		202.4 whole rock	209.2					
		Unit still very schistose with serpentinized fracture surface.									
		Foliated to 40° to core angle.									
		Occasional sections with light feldspar? spotting stretched along foliation.	48514	1-3 py	206.0	207.0	100	221	71	0.1	15
			48515	2-4 py	208.0	209.0	100	152	88	0.1	10

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
209.2	215.4	FELSIC - INTERMEDIATE VOLCANIC	48946		209.2 whole rock	215.4					
		As before at 181.9 to 202.4 but unit is much harder - not chloritized or carbonatized.									
		Very siliceous - light to medium grey to greyish green.									
		Local "cherty" section around 212.0m.									
		Well foliated at 40^{o} to core angle - rock intact.	48516	5-8 py	209.2	210.2	100	78	52	0.4	20
		5-8% as clumps and disseminated aligned along foliation.	48517	5-8 py	210.2	211.2	100	30	54	0.3	10
		Unit schistose with sericitic and serpentinized fracture surface.	48518	5-8 py	214.0	215.0	100	151	253	2.6	165
		Micro-fractures with quartz and carbonate infill.									
	215.4	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-16-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-16-88 LENGTH: 260.0 meters
LOCATION: Claim No. 374018-2/465810-2
LATITUDE: 2+75S DEPARTURE: L1+20E
ELEVATION: AZIMUTH: S 210 deg. DIP: -60°
STARTED: March 18/88 FINISHED: March 24/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
76.0	-60	-59.10	200.0	-44	

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	79.0	CASING									
79.0	80.2	CHLORITE SCHIST?? "SHEAR FAULT"									
		Unit is aphanitic, very well foliated at 40° to core angle, dark green.	48947		79.0	80.2	whole rock				
		Unit is very chloritized with approx. 75-80% chlorite; soft, green powdery streak.									
		Quartz-carbonate bands along foliation.									
		Unit is generally intact with mild weathering but rock fractures with a serpentinized fracture surface.									
		Rock is friable, almost platy.	48519	tr-<1	79.0	80.0	100	121	215	0.7	260
		Tr to <1% sulphides.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
80.2	125.8 approx.	"FAULT/SHEAR" - ALT. (SHEARED) CHLORITIZED (CHLORITE SCHIST)? INTERMEDIATE VOLCANIC - ??									
		Unit is aphanitic to very fine grained, very well foliated at 30° to 40° to core angle - unit is light to medium greenish grey.	48948		80.2	100.2					
		Unit is very carbonatized, also very chloritic.									
		Occasional sections with quartz eyes, chlorite clumps.									
		Rock is very well foliated, very blocky and weathered between 80.2-96.0 meters with serpentinized and talcouse fracture surface; very powdery and soapy texture.									
		Ocassional sections to 30cm intact but mildly weathered.	48520	tr-1	83.0	84.0	100	55	109	<0.1	45
		From 96.0 to 125.8m unit is still very well foliated at 30 to 40° to core angle, but rock is more intact.	48521		84.0	85.0	100	32	128	0.1	30
		Ocassional micro-folding seen; especially at 94.0-95.0m.	48522	1-2 py	94.0	95.0	100	6	108	<0.1	500
			48523	1-2 py	95.0	96.0	100	43	115	0.2	1000
						re-assayed	(opt)				0.004
		Chlorite whisps - thin bands common locally throughout unit.	48524	tr-1	100.0	101.0	100	76	125	<0.1	1500
						re-assayed	(opt)				0.019
			48525	tr-1	106.0	107.0	100	6	100	<0.1	<5
		100.2 - 125.8 Unit continues very well foliated at 30 to 40° to core angle and very chloritized - now mildly carbonatized - quartz eyes/fragments/ grains aligned along foliation.	48949		100.2	125.8					
						whole rock					
		1-2% pyrite, tr - <1% chalcopyrite, both as clumps and disseminated along foliation.	48526	1-2 py	110.0	111.0	100	7	126	0.2	500
		Soft, serpentinized almost talcouse fracture surface.									
		114.5 - 114.7 Unit with 15-20% banded pyrite - rock blocky with minor fault gouge.	48527	5-8 py	114.0	115.0	100	259	1200	1.3	500
						re-assayed	(pct)		0.11		
			48528	1-2 py	117.0	118.0	100	16	135	<0.1	<5
		125.0 - 125.6 Host rock unit very chloritized with 10-12% stringer/banded pyrite + 1-2% banded chalcopyrite.	48529	10-12 py 1-2 cpy	125.0	125.6	60	1325	268	4.2	365
						re-assayed	(pct)	0.13			
125.8 approx.	145.2 approx.	ALT. (SHEARED) (CHLORITE SCHIST?) FELSIC - INTERMEDIATE VOLCANIC?									
		Unit is aphanitic to very fine grained, very well foliated at 30 to 40° to core angle, medium grey to greyish-green.	48950		125.8	145.2					
						whole rock					
		Unit is very sheared but still intact; serpentinized fracture surface, schistose.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Unit is much more felsic than above, also less chloritized than above.									
		Quartz eyes, fragments along foliation.	48562	1-2 py	126.5	127.0	50	7	113	<0.1	10
		Micro-folding common throughout unit locally.	48530	1-2 py	128.3	129.3	100	128	144	0.2	10
		Chlorite as thin whisp like stringers aligned along foliation.									
		1-2% pyrite as clumps and cubes and disseminated throughout unit.									
		130.0-130.3 Massive chlorite unit, soft with 5-8% pyrite.	48531	5-8 py	130.0	130.4	40	121	2680	<0.1	25
					re-assayed		(pct)		0.28		
			48563	5-8 py	130.7	131.7	100	82	3780	0.2	20
					re-assayed		(pct)		0.38		
		FAULT?									
		136.3-139.0 2.7 meter host rock unit which is very blocky, soft, brittle, powdery, micro-folded "fault gouge". Very serpentinized. Tr sulphides.	48532	tr	136.0	137.0	100	59	215	0.1	10
			48533	tr	137.0	138.0	100	61	188	0.1	<5
			48534	tr	138.0	139.0	100	65	174	<0.1	<5
145.2 approx.	220.1	"FAULT/SHEAR" - ALT. (SHEARED) (CHLORITE SCHIST) INTERMEDIATE VOLCANIC?	48564		144.0	144.5	50	28	221	<0.1	20
			48951		145.2	173.0	approx.				
					whole rock						
		Very generally as before at (80.2-125.8) unit is not as pock marked, gouged as this unit.	48565		145.3	146.0	70	36	643	<0.1	65
		Unit still very well foliated at 30 to 40° to core angle. Very schistose and serpentinized on fracture surface.									
		Very chloritic as thin whisps/bands along foliation. Occasional heavier bands + local massive chlorite.									
		Micro-fractures with quartz + carbonate infill.	48535	tr-1 py	148.0	149.0	100	21	527	<0.1	<5
		Micro-folding common + very distinct throughout unit.									
		Tr - 1% pyrite.	48536	tr-1 py	154.0	155.0	100	13	251	0.1	<5
		149.0 - 160.0 Host rock unit which appears tuffaceous with fine quartz eyes along foliation.	48537	tr-1 py	159.0	160.0	100	24	267	<0.1	<5
		163.7 - 164.3 60cm massive chlorite section with tr - 1% pyrite.	48538	tr-1 py	163.5	164.5	100	31	282	<0.1	<5
		At approx. 173.0 host rock unit foliated at 50° to to core angle.	48952		173.0	200.0					
					approx.		whole rock				
		Unit still very well micro-folded locally.									
		Very schistose and serpentinized on fracture surface.									
		Chlroite -soft.									

FOOTAGE		DESCRIPTION	SAMPLE		ASSAYS						
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		170.4 10cm fault gouge - host rock unit very broken up, powdery. Weathered. Tr-<1% sulphides.	48539	tr-<1	170.0	171.0	100	29	322	<0.1	65
			48540		171.0	172.0	100	28	277	<0.1	5
		171.4 - 171.7 30cm fault gouge - host rock unit very blocky, weathered, soft. Soapy. Tr to <1% sulphides.	48541	tr-<1	176.9	177.9	100	43	347	<0.1	<5
		181.0 - 188.0 Host rock unit less foliated/banded. Generally more felsic - foliation not as distinct. No micro-folding - still schistose and serpentinized on fracture surface.	48542	tr-<1	182.0	183.0	100	4	66	<0.1	<5
			48543	tr-<1	188.0	189.0	100	9	267	<0.1	<5
			48544	tr-<1	194.0	195.0	100	22	45	<0.1	<5
		188.0 Resuming foliation of 50° + micro-folding.									
		200.0 - 220.1 Host rock unit with very severe micro-folding, very well foliated at 60° to core angle. Still schistose + serpentinized fracture surface.	48953		200.0	220.1 whole rock					
		200.4-201.1 3x10cm quartz vein/patches with minor carbonate. Tr sulphides + "cherty" bands.	48545	tr	200.4	200.8	80	8	40	<0.1	<5
		212.0-215.0 3.0 meter section with many irregular/ mottled quartz + minor carbonate vein/patches. 1-2% pyrite in host rock surrounding vein/patches.	48546	1-2 py	212.0	213.0	100	17	40	<0.1	<5
			48547	1-2 py	213.0	214.0	100	7	52	<0.1	<5
			48548	1-2 py	214.0	215.0	100	4	45	<0.1	<5
220.1	227.2	ALT. (CHLORITIZED) GABBRO	48954		220.1	227.2 whole rock					
		Unit is aphanitic to very fine to fine grained, massive to well foliated; dark green to greenish black.									
		Unit is very heavily chloritized in sections with fine quartz + carbonate stringers/bands along foliation of 40-50° to core angle.									
		Unit is very magnetic throughout unit.									
		Tr - <1% pyrite - biotite seen of fracture surface.									
		220.1 - 223.3 Host rock unit is very chloritic, foliated at 40-50° to core angle. Magnetic. With quartz + carb bands. Very schistose on fracture surface.	48549	tr-<1 py	220.0	221.0	100	72	107	<0.1	<5
		From 223.3 - 227.2 host rock unit is very fine to fine grained, much grainier than above. With epidote spotting. Very chloritic, also magnetic. Massive.	48550	tr-<1 py	224.0	225.0	100	55	121	<0.1	5
227.2	260.0	ALT. (CHLORITIZED) (CHLORITE SCHIST)? INTERMEDIATE VOLCANIC									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Generally as before at 145.2 (approx.) to 220.1. Unit is very well foliated at 50-60° to core angle. Very schistose with serpentinized fracture surface. Very friable, platy.	48955		27.2	240.0 whole rock					
		227.2-233.0 Massive chlorite, little or no quartz + carbonate banding.	48551	tr-<1 py	229.0	230.0	100	5	76	<0.1	<5
			48566	tr-<1 py	231.0	231.4	40	116	181	<0.1	40
			48552	tr-<1 py	234.0	235.0	100	33	106	<0.1	<5
		Shear/fault									
		239.4 - 257.4 Host rock unit is very very blocky with rock slivers no more than 1/2 to 1.0". Very schistose and foliated at 60-70° to core angle. Tr to 1% pyrite. Very weathered with soft, slippery powdery material.	48956		240.0	260.0 whole rock					
		240.1 - 240.7 60cm very blocky, fragmented quartz vein/patch with a 1/2" pyrite veinlet. No details - very very blocky + weathered.	48553	2-5 py	240.0	241.0	100	29	123	<0.1	275
			48554	tr-1 py	244.0	245.0	100	32	121	0.1	30
		252.3 - 257.5 Several quartz _ patches to 30cm wide; very blocky with minor chlorite schist patches - difficult to define section - badly weathered! Tr - <1% pyrite. Local "cherty" bands.	48555	tr-1 py	251.0	252.0	100	24	148	<0.1	10
			48556	tr-1 py	252.0	253.0 re-assayed	100 (pct)	97	11300 1.04	0.1	130
			48557	tr-1 py	253.0	254.0 re-assayed	100 (pct)	87	2315 0.22	<0.1	20
			48558	tr-1 py	254.0	255.0	100	24	236	<0.1	10
			48559	tr-1 py	255.0	256.0	100	37	141	<0.1	15
			48560	tr-1 py	256.0	257.0	100	37	435	<0.1	15
			48561	tr-1 py	257.0	258.0	100	39	193	<0.1	10
		From 257.6 to 260.0 rock is intact, not altered, but mildly foliated at 70° to core angle.									
260.0		END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-17-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-17-88 LENGTH: 438.6 meters
LOCATION: Claim No. 374016-2/374017-2
LATITUDE: 4+00N DEPARTURE: L1+20E
ELEVATION: AZIMUTH: S 205 deg. DIP: -55°
STARTED: March 24/88 FINISHED:

LOGGED BY: Les Kovacs & Joe Hinzer
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
36	54		100	53	
200	53		300	52	

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	36.0	CASING									
36.0	151.5	QUARTZ FELDSPAR PORPHYRY									
		Massive medium grained medium gray with local greenish or purple tint. Grains are indistinct up to 4mm in size with epidote (green) intergranular infills to 1mm. Chlorite spots and mafic xenoliths not uncommon. Sulphides are pyrite up to 1% with 1-2mm grain size.									
		Local altered sections are darker, more siliceous with a pinkish tinge and 1-4mm blue grey quartz veins at 45° to core axis. Local lighter grey weakly bleached sections with occasional narrow quartz tourmaline veins and sulphides - py disseminated up to 3-4%.	48957		39.0	100.0 whole rock					
		36.0 - 48.1 Predominantly med grey with faint pink tinge and tiny 1mm epidote green altered spots. 45-57 pinkish granodiorite.	48567	1 py	39.5	40.5	100	33	65	<0.1	10
		48.1 - 49.0 Mafic volcanic xenolith - dark green carbonated with minor quartz-carb veining at contact. 1mm brownish leucoxene spots common.	48568	<1 py	48.1	49.0	90	60	117	<0.1	15

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		49.0 - 56.5 Light grey greenish tinge - porphyry with dominant whitish phenos 3-4mm. Faint epidote spotting 1mm throughout and diss. py 1-2% common. Local fine grained grey-bleached zones with narrow qtz and qtz-tourmaline veins.									
		53.4 1cm grey quartz vein 30° to core axis, 3-4% disseminated pyrite.	48569	2 py	52.7	53.7	100	22	48	0.3	10
			48570	tr py	53.7	54.6	90	29	63	<0.1	10
		54.95 2cm white qtz-carb-tourm vein at 70° to core axis. 1-3% py.	48571	2 py	54.6	55.2	60	22	53	0.1	10
			48572	1 py	55.2	55.8	60	20	61	<0.1	10
		56.5 - 63.0 Mid grey similar to above - darker green with 5% 1-2mm epidote spotting.									
		63.0 - 65.0 Light grey locally bleached - weakly sil. less epidote spotting, narrow 1-10mm carb veins @ 70° to core axis, 1-2% diss. py, minor 1-5mm qtz veinlets.	48573	1-2 py	63.5	64.6	110	26	49	<0.1	20
		65.0 - 74.6 Light grey more silicified towards base with increasingly finer grain size and more interstitial quartz veins 4-5mm bluish @ 30-45° to core axis	48573	1-2 py	63.5	64.6	110	26	49	<0.1	20
		tr galena	48574	1-2 py	68.7	69.0	30	33	47	<0.1	10
			48575	2 py	72.9	73.5	60	23	37	<0.1	25
		73.3 - 74.6 Strongly silicified and bleached zone, 3-5% py with bluish qtz veins 1cm @ 10° to core axis with tr galena.	48576	3 py tr gal	73.5	74.5	100	19	29	<0.1	10
			48577	1 py	74.5	75.0	50	69	81	<0.1	45
		74.6 - 75.7 Mafic volcanic xenolith dark green strongly chloritized.	48578	1 py	75.5	76.5	100	51	50	<0.1	15
			48579	2 py	76.5	77.0	50	47	56	<0.1	15
		75.7 - 76.5 Quartz feldspar porphyry with 3cm qtz chlorite vein at upper contact and 30cm finer grained silicified zone of base - sharp contacts at 70° to core axis.									
		76.5 - 76.8 Quartz crystal (eye) tuff (sheared) or xenolith finely laminated at 60-70° to core axis light green with 1mm blue-grey broken quartz phenocrysts.									
		76.8 - 94.5 Quartz feldspar porphyry - silicified and epidotized locally - mid grey with greenish zones bluish quartz veins and quartz tourmaline veins localized in sheared bleached sections.									
		At 77.5 - 1cm blue quartz vein @ 55° to core axis.									
		79.3-79.6 Light grey fine grained sheared zone. Some carbonatization.									
		82.3 2cm white grey quartz vein - silicified at 35-40° to core axis.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		83.0 - 83.3 Pinkish + epidote alteration.									
		85.0 - 85.9 Grey fine grained silicified bleached zone - local 1-4mm quartz and or carbonatization veinlets at 60° to core axis with bleached haloes.	48580	1-2 py	85.0	86.0	100	17	40	<0.1	10
		87.8 - 88.6 Sheared bleached zone with 6cm qtz carb tourmaline vein @ 87m and 3cm qtz carb vein with 3-5% py	48581	2-3 py	87.8	88.6	80	44	28	<0.1	680
		92.0 - 91.8 As above with quartz-tourmaline vein 4cm vein @ 91.35 - 2-3% py	48582	2 py	91.0	91.8	80	8	30	0.2	40
		93.3 - 94.4 Bleached silicified sheared zone									
		93.3 - 94.4 Qtz laced - minor 1-2cm carb-qtz-tourm. veining + chlorite blebs up to 2cm, 1-2% py	48583	2-3 py	93.3	94.3	100	9	38	0.7	10
		94.5 - 106.0 Quartz feldspar porphyry. Greener colour, more massive, much epidote 1-2mm spots occasional greenish and pinkish feldspars - local sheared quartz laced and mafic xenoliths.									
		98.5 - 99.7 Pinkish alteration zone									
		98.95 - 98.25 Sheared quartz laced fine grained section - 1cm quartz-tourm. vein, trace pyrite @ 75° to core axis.	48584	1 py	98.8	99.4	60	54	42	0.3	10
		101.35 - 102.35 Dark green fine grained, mafic volcanic xenoliths or (shear zone)? at 85° to core axis with 10cm shear at	48585	1 py	101.2	102.0	80	32	69	<0.1	20
			48586	1 py	102.0	102.5 re-assayed	50 (opt)	93	56	0.1	1600 0.040
			48587	1 py	102.5	103.0	50	87	51	2.2	90
		101.8 - 101.9 @ 75° to core axis - quartz carb tourm. vein (microfaulted at 40° to core axis.)									
		102.85 - 104.15 Dark green intensely foliated quartz-laced aphanitic shear zone with local sericitic? wisps 2-4% diss. pyrite. Zone is at 30 - 45° to core axis. Locally chloritic with many indistinct 2mm - 5mm quartz veins.	48588	1 py	103.0	104.0	100	92	45	0.1	30
		106.0 - 122.0 Biotite (hornblende?) granodiorite to diorite. Distinct black-peppery appearance variable epidote content and local sheared and pink alteration zones.	48958		106.0	120.0 whole rock					
		109.0 - 109.6 Local pink alteration centred on 2cm blue qtz-tourmaline vein at 80° to core axis - with py cubes @ 109.25	48589	1-2 py	109.1	109.7	60	139	49	<0.1	15
		109.1 - 110.0 Several local mafic xenoliths 3-15cm	48590	1 py	111.35	111.65	30	30	56	0.6	15

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		116.3 - 117.8 Pinkish alteration zone with central grey fine grained sheared zone and quartz tourmaline veins.	48591	1 py	116.3	116.7	40	30	56	<0.1	10
			49001	1 py	116.7	117.2	50	12	22	<0.1	10
		116.8 - 117.2 qtz-laced shear zone									
		117.08 - 117.16 8cm qtz-carb-tourm vein @ 80° to core axis.	49002	1 py	117.2	117.8	60	19	55	<0.1	10
		Other minor qtz veins .5 - 1cm common in shear.									
		Epidote alteration intensifies below 118.0 m.									
		122.0 - 151.5 Rock is epidotized with pinkish greenish grey tinge - locally sheared and locally hematite alteration - weakly fractured at various low angles to core axis 5 - 35°	49003	3 py	126.6	127.0	40	23	60	<0.1	10
			49004		127.0	127.3	30	22	54	0.1	10
			49005	4 pty	127.3	127.6	0.3	46	48	<0.1	15
		130.0 - 133.0 Major sheared - silicified section with pink alteration dominant and intense shear zone with qtz-tourmaline veins - silicified	48959		125.0	150.0 whole rock					
		130.6 - 131.2 and 131.7 - 132.2 2-3% py avg.	49006	1 py	130.5	131.0	50	22	57	<0.1	15
		131.7-131.82 best quartz tourm vein at 75° to core axis	49007	1 py	131.0	131.6	60	61	40	<0.1	<5
			49008	1 py	131.6	132.2	60	17	55	<0.1	15
		NB. Adjacent sections for 2-3m carry .5-2cm local quartz veins	49009	1 py	132.2	133.0	80	7	38	<0.1	15
			49010	1 py	133.0	134.0	100	18	44	<0.1	15
		130.6-131.2 Could be sheared mafic xenolith or band									
		142.0-151.5 Unit is more pyritic with locally 3-4%, average 2-3% finely disseminated.									
		142.7-143.0 Minor alteration and shearing, 1-2mm chl. veinlets at 75° to core axis	49011	2 py	142.7	143.0	30	11	31	<0.1	15
		Ocassional 1cm blue + white quartz veins at 70° and 1-2m qtz-carb veins at 5° to core axis. Disseminated py more common.									
		147.7-149.0 Major silicified sheared section - grey (bleached) finer grained.	49012	3 py	147.5	148.5	100	22	40	<0.1	20
			49013	3 py	148.5	149.5	100	34	35	<0.1	20
		151.4-151.5 Silicified contact zone with 2cm white quartz vein at 70° to core axis.	49014	3 py	150.5	151.5	100	19	27	<0.1	20
		Contact sharp at 70-75° to core axis.	49015	5 py	151.5	152.0	50	152	77	0.2	50
151.5	169.6 (170.2)	GABBRO									
		Dark green to black medium to coarse grained altered with numerous hairline cross fractures at 30°, 45° and 70° to core axis usually quartz-chlorite or carb filled with local silicified sections up to 10% pyrite. Sharp lower contact									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		at 30° to core axis. Chilled margins upper and lower persist 1-2m. Unit is highly magnetic throughout.									
		169.6-170.2 Silicified cherty sheared contact zone - banded at 30° to core axis.									
		151.5-153.0 Fine grained sheared chloritic upper contact zone.	49015	1-2 py	151.5	152.0	50	152	88	0.2	50
			49016	1-2 py	152.0	153.0	100	65	88	<0.1	10
		156.0-156.6 Granodiorite pink vein 10cm wide at 10-15° to core axis - mineralized py rims 5-6% py	49017	2-3 py	156.0	157.0	100	103	69	<0.1	10
		157.3-158.3 Sheared zone with quartz veining and granodiorite dykes at 5° to core axis and crossing at 30° - 10% py locally.	49018	5-7 py tr cpy	157.0	158.0	100	326	70	0.1	20
		158.3-170.2 Sporadic narrow qtz veins 0.2-1.5cm with up to 10% py, tr cpy at 45° to core axis.	48601	5 py	158.0	158.5	50	226	54	0.1	10
			48602	5-7 py tr cpy	161.0	162.0	100	102	67	<0.1	<5
		162.6 - 162.7 major shear at 50° to core axis with sericite quartz veining 10-15% py. Adjacent areas above and below show increased sulphide content.	48603	3-5 py	162.0	163.0	100	93	111	<0.1	15
		164.4 2cm qtz-py vein, 15% py at 35° to core axis	48604	5-7 py	163.7	164.7	100	105	70	<0.1	10
		166.5 - 167.2 General diss. py to 15%	48605	7-10 py	166.6	167.2	60	113	93	0.3	5
			48606	3-5 py	168.6	169.6	100	161	98	0.2	<5
		169.4 Mt. stops - chilled banded margin at 30° to core axis continues to 170.2. Avg. 5-7% py.									
170.2	173.8	CHERTY RHYOLITE TUFF									
		Fine grained to aphanitic light to mid-grey weakly foliated and/or sheared at 20-30° to core axis. Mineralized with 3-5% disseminated and stringer py with traces of cpy.	48960		70.0	173.0 whole rock					
		170.2-171.7 altered tuff with 1-2mm whitish carb spots, 1-2% vein hosted py.	48607	3-5 py	169.6	170.4	80	64	128	<0.1	<5
		171.8 2-3cm qtz vein, 30° to core axis, 5% py, tr cpy	48608	1-2 py	171.0	172.0	100	93	183	0.1	5
		171.7-173.2 Fine grained, mid-grey felsic tuff with faint dark green alteration spots 2-3mm and 3-4% vein hosted and diss. py.	48609	2-3 py	172.0	173.0	100	66	340	0.3	5
		173.2-173.8 Chert weakly foliated and/or banded at 30° to core axis. Light grey with sulphide veins and small blebs. 5-7% py, tr-1% cpy locally. Sharp lower contact with 4cm qtz vein at 40° to core axis.	48610	3-5 py	173.0	173.8	80	217	550	0.1	15
173.8	175.6	QUARTZ FELDSPAR PORPHYRY (ALTERED)	48611	1 cpy	173.8	174.2 re-assayed	40 (pct)	2440 0.21	358	0.4	30

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Faint whitish feldspar phenocrysts to 3mm in a mid-grey siliceous matrix with noticeable 1-2mm carbonate (white) alteration veinlets. Local qtz veins contain minor cpy up to 1% locally at the upper contact.	48612	2-3 py	175.3	176.0	70	135	476	0.2	<5
		0173.8-173.84 qtz vein, py, tr cpy. 173.95 qtz vein, 1% cpy - lower contact very irregular at at 5-10°? to core axis.	48961		175.0	190.0 whole rock					
175.6	192.2	ALTERED RHYOLITE TUFF? - LAPILLI TUFF									
		Light to medium grey, fine grained to aphanitic, locally silicified, massive in appearance with local colour changes and areas of faint remnant fragments. Stringer sulphide mineralization throughout. Locally chloritic (minor)									
		Throughout unit, 5-10% sulphides, locally to 30% with py + sph + cpy stringers.									
		175.6-177.8 Silicified, minor carb, 5% py.	48613	3-4 py	176.0	177.0 re-assayed	100 (pct)	115	1255 0.12	0.2	10
			48614	5-7 py	177.0	177.7 re-assayed	70 (pct)	139	2990 0.30	0.5	10
		177.8-178.0 Silicified, 7-10% py, tr cpy	48615	5-6 py tr cpy	177.7	178.0 re-assayed	30 (pct)	184	1370 0.14	0.3	10
		178.0-179.2 Very silicified, minor chlorite - semi-massive sulphides. 15-20% py, 2-3% sph, tr cpy.	38616	25 py 2-3 sph	178.0	179.2 re-assayed	120 (pct)	521	11400 1.09	1.5	50
		178.3-178.8 30% py, 3-4% sph, tr cpy									
		*All sphalerite is light brown in colour.									
		**Stringers are generally at low angles 20° to core axis.									
		179.2-179.3 5-7% py, tr cpy.	48617	7-10 py tr-1 cpy	179.2	179.5 re-assayed	30 (pct)	224	3410 0.34	0.8	20
		179.3-185.0 Darker grey in appearance mottled looking possibly with remnant fragments. 2-3%	48618	3-5 py	179.5	180.5 re-assayed	100 (pct)	108	1405 0.15	0.4	10
		183.8-184.5 Chlorite-epidote patches or vein zone. Altered stringer, minor carb, 10-12% py, cherty fragments.	48619	3-5 py	180.5	181.5	100	309	579	0.5	20
			48620	8-10 py	183.5	184.5	100	120	420	0.2	10
		184.5-192.2 Felsic to intermediate faint coarse fragments possible very large. Faint feldspar spotting and chlorite spots. 3-5% pyrite as veins.	48621	3-4 py	184.5	185.0	100	77	189	0.3	<5
			48622	1-2 py tr gal.	190.0	190.8	80	102	174	<0.1	<5
		Local lcm bluish quartz veins at 30° to core angle with py + galena specs.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
192.2	192.7	MAJOR SILICIFIED FAULT ZONE	48623	5 py shear fault	192.0	193.0	100	72	177	0.1	5
		Qtz-sericite minor carb and chlorite 2-3% py at 45-50° to core axis.									
192.7	204.0	MASSIVE FRACTURE BRECCIATED SILICIFIED INTERMEDIATE VOLCANIC (SPOTTED FLOW)	48624	3-4 py	193.0	194.0	100	95	183	<0.1	5
		Rock is mid-green to grey generally fine to medium grained and highly altered. Original rock may be remnant pseudofragments with silicified (cherty) halos adjacent to alteration silica veining and sulphides - epidote staining and spotting is common throughout. Sulphides are restricted to veins - average 3-5% locally to 10%. White carbonate veins 1-3mm common at 80° to core axis. ?? Rock could be altered spotted massive flow??	48962		193.0	204.0 whole rock					
		196.6-179.5 Sheared silica laced well foliated zone at 70° to core axis. 5-7% diss py.	48625	3-4 py shear	196.5	197.5	100	79	66	0.1	5
		Silicification increases down hole - gradational contact with lower unit.	49026	7-10 py	200.0	201.0	100	75	82	<0.1	5
			49027	2-3 py	203.0	204.0	100	43	56	0.1	10
		193.8 3cm quartz vein at 70° to core axis.									
204.0	217.8	SILICIFIED MASSIVE (FELSIC-INTERMEDIATE) VOLCANIC (SPOTTED FLOW)									
		Rock is extremely hard, siliceous grey to browny grey aphanitic matrix with feldspar, sulphide, chlorite and epidote spotting locally throughout. Colour and texture vary with intensity of alteration. Sulphide content 3-5% with local concentrations up to 8-10% - usually as very tiny spots or veinlets. Hairline fracturing is common.	49028	3-5 py	204.0	205.0	100	61	55	<0.1	5
			49029	5-7 py	205.0	206.0	100	57	48	<0.1	<5
			49030	8-10 py	208.5	209.5	100	59	64	0.1	5
			49031	7 py	209.5	210.5	100	66	61	0.1	5
			49032	3-5 py	211.5	212.5	100	70	71	0.1	<5
			49033	5-7 py	214.0	215.0	100	59	46	0.1	<5
		Unit may be an extremely silicified flow, both silica and sulphides intruding along fractures.	48963		205.0	218.0 whole rock					
		Silicification and sulfide content increases near base. 213.0-217.8 (approx.) 10-12% pyrite with intense silicification.									
217.8	219.5	SILICIFIED SHEAR ZONE	49034	2-3 py	217.5	218.3	80	36	115	<0.1	10
		Intensely silicified - cherty in appearance very hard aphanitic foliated at 30-40° to core axis with 15cm qtz tourmaline vein at 218.4m. Minor 1-2% py as blebs.	49035	5-7 py	218.3	218.7	40	17	64	0.1	10
			49036	3-4 py	218.7	219.7	100	20	127	0.1	<5
219.5	248.9	MASSIVE EPIDOTE SPOTTED INTERMEDIATE VOLCANIC	48964		220.0	228.0 whole rock					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Unit is similar to 192.7-204 and 204-217.8 above. Intensity of alteration is greater - spots of feldspar, sulphide chlorite, epidote and silicification are more intense and larger locally appearing fragmental. Colour is variable mid-dark green to back with reddish hue. Less altered sections are green grey - very altered zone are aphanitic (matrix) dark and highly silicified. Sulphide content varies from 3-8% py, average is 3-4%.									
		219.5-221.4 Fine grained, mid-green with local chlorite epidote spots to 2mm diminishing away from contact.	49037	3-5 py	221.3	221.6	30	48	61	<0.1	5
		221.4-221.5 Quartz vein - sheared zone at 40° to core axis.									
		221.5-227.5 Fine grained to aphanitic, mid-greenish grey to dark grey with intense alteration spots throughout large irregular spots up to 2-4cm - with sulphide, py, chlorite (epidote) and a whitish bleached silicified rim. Silicification increases downhole.	49038	5-7 py	225.0	226.0	100	42	102	0.2	<5
		227.5-232.5 Aphanitic mid-grey to brownish grey, lighter than above - most intensely silicified with higher local sulphide py content. Alteration spots and patches as before but more sporadic and grouped.	49039	5-7 py	227.5	228.5	100	63	118	0.2	<5
			49040	5 py	228.5	229.5	100	40	48	0.3	<5
			49041	5-7 py	230.5	231.5	100	31	52	0.1	5
		227.5-228.0 10-15% py.									
		232.5-236.6 Aphanitic - still very silicified slightly darker brown grey with increasing alteration spotting intensity similar to 221.5-227.5. Also getting coarser grained downhole.	49042	5 py	235.0	236.0	100	36	66	0.1	<5
			48965		230.0	236.0 whole rock					
		236.6-248.9 Fine to very fine grained, medium green-grey to dark grey intensely epidote - pyrite spotted 1 to 15mm size with many weathered spots where epidote (+-) carb has been leached out leaving porous holes. Average pyrite content 3-5%.	49043	5-7 py	237.0	238.0	100	44	71	0.1	<5
			49044	7 py	244.0	245.0	100	47	74	<0.1	<5
			49045	8-10 py	246.5	247.5	100	51	101	<0.1	<5
			49046	1 py	248.1	248.9	80	55	96	0.1	<5
		238.4-238.7, 239.0-240.2 Mafic fine grained andesitic? dykes midgreen fine grained contacts sharp at 30° to core axis.									
		246.7-248.9 Light grey - silicified - no alteration spots as contact is approached. 3-5% py throughout.									
		248.5-248.9 Intensely sheared contact zone at 45° to core axis.	48966		237.0	247.0 whole rock					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		248.7-248.85 Fault gouge and quartz carbonate vein zone + chlorite, 1-2% py.									
248.9	260.8	FELDSPAR PORPHYRYTIC (DIORITE)	49047	2-3 PY	248.9	249.7	80	48	68	<0.1	10
			49048	2-3 PY	254.0	255.0	100	114	79	<0.1	<5
		Medium to dark green, medium grained porphyritic with 10% feldspar phenocrysts 1-3mm, common epidote alteration spots, 1-2% bioclots (1-2mm biotite grains) also chloritic specs to 3mm. Foliation or shearing is faint - some alignment of 30° to core axis. Matrix is mid to dark green aphanitic.	49049	3-4 py	260.0	260.8	80	145	104	<0.1	<5
			48967		248.0	260.0 whole rock					
		Xenoliths are not uncommon and include mafic volcanic and granodiorite clasts up to 3-5cm.									
		Epidote veins are common - especially in upper 2/3rd of unit, 1-4mm of 70° to core angle. Quartz veins up to 1cm are common in the lower 1/2 of the unit. Core is locally very blocky.									
		Sulphides average 2-3% and occur as small pyrite clasts often rimmed with tiny magnetite halos. Unit is locally weakly magnetic.									
		248.9-249.6 Sheared finer grained section - foliated of 70° to core axis with some carbonate stringers minor quartz. 2-3% py									
		Lower contact sharp 20° to core axis.									
260.8	277.9	SILICIFIED EPIDOTE SPOTTED INTERMEDIATE VOLCANIC	48968		261.0	278.0 whole rock					
		Similar to 219.5-248.9.									
		260.8-262.4 Unit is highly siliceous brecciated and contains both dyke material and host rock as an intimate mix. 260.2-260.35 Qtz vein at 70° to core axis. 3-5% py, tr cpy.	49050	3-5 py tr cpy	260.8	261.4	60	132	93	<0.1	<5
			49051	3-5 py	261.4	262.4	100	170	63	0.2	5
		Downhole both sulphide content - altered patches and veinlets and silicification increases - epidote spots diminish - alteration is less pronounced throughout - but concentrated in more local patches. Sulphide content averaged 2-5% py - up to 10% locally. Colour remains mid grey with green tint.	49052	10 py	264.5	265.5	100	110	160	0.5	<5
			49053	7 py	268.0	269.0	100	43	105	0.1	<5
			49054	7-10 py	269.0	270.0	100	48	102	0.1	<5
			49055	7-8 py	271.5	272.5	100	128	71	0.2	<5
			49056	7-10 py	273.0	274.0	100	129	135	1.1	<5
			49057	qv-3 py	274.0	275.0	100	73	100	1.9	5
			49058	5 py	274.5	275.5	100	76	104	1.1	<5
		At 278.0 10cm qtz vein at 30° to core axis with pyrite and chlorite bands at the contact.	49059	2-3 py	275.5	276.0	50	132	81	<0.1	<5
		275.8 Fault gouge (minor) blocky core with some gouge material.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		277.9 Silicified contact zone.									
277.9	280.9	ALTERED QUARTZ FELDSPAR PORPHYRY DYKE	49060	1-2 py	277.7	278.7	100	17	28	0.1	<5
		Light to mid grey colour with whitish feldspars 2-4mm laminating-individual grains are diffuse. Matrix is quartz rich with many tiny 1mm epidote spots and minor py. Upper/lower contacts at 30° and 70° respectively.	49061	1-2 py	280.3	281.3	100	39	50	<0.1	5
		277.9-278.6 Bleached silicified light grey with 20cm white quartz vein at 278.0m 1-2% py									
		284=0.4-280.9 Bleached as above with two 10-15cm qts veins (white), 1-2% py.	48969		280.0	295.0 whole rock					
280.9	295.2	SILICIFIED MASSIVE VOLCANIC (RHYOLITIC)	49062	7-10 py	281.5	282.5	100	76	81	0.7	5
		Rock is light to mid grey - extremely siliceous and very hard. Ground mass is aphanitic. Observed textures include light grey (bleached) alteration spots to up to 1cm and irregular patches adjacent to narrow veins.	49063	5-7 py	282.5	283.5	100	89	76	0.1	<5
			49064	7-10 py	285.0	286.0	100	165	94	0.3	<5
			49065	5-7 py	286.0	287.0	100	137	99	0.4	<5
			49066	3-5 py	289.0	290.0	100	98	58	0.1	<5
			49067	7-10 py	290.0	291.0	100	64	47	0.1	<5
		Minor chlorite and epidote (carbonate) is often associated with sulphide patches, spots and lesions. Sulphides py averages 5-7% locally exceeding 10%.	49068	2-3 py	293.5	294.5	100	40	219	0.2	<5
		Insitu brecciation, local very cherty looking bands and disrupted bedding features are common. The rock is extremely silicified - some of the observed features are consistent with an extensively altered - bleached pillowed flow sequence.									
		The resultant rock now, however, resembles a massive rhyolitic tuff.									
295.2	296.6	FELDSPAR PORPHYRY DYKE									
		Similar to 248.9-260.9 - dark green matrix with light greenish-white equant feldspar grains 2-3mm with small biotite grains common. Only 1-2% disseminated py, unit is weakly magnetic.									
		Upper contact with 2cm qtz vein at 70° to core axis, lower contact sharp at 70° to to core axis.									
296.6	299.5	RHYOLITIC TUFF (OR DYKE)	49069	7-10 py	297.0	298.0	100	336	254	0.1	<5
		Fine grained to aphanitic mid grey very hard - homogeneous. Tiny 1mm py specs, altered spots and dark grey specs (?glossy shards?) make up 30% of unit. Pyrite content is 10%, upper and lower contacts are sharp at 70 and 50° to core axis.	49070	5 py	299.0	300.0	100	180	206	0.4	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
299.5	306.9	SILICIFIED MASSIVE VOLCANIC (RHYOLITIC)	48970		300.0	307.0					
						whole rock					
			49071	7-10 py	301.0	302.0	100	86	162	0.1	<5
		Similar to 280.9-295.2 Light to mid grey aphanitic	49072	5-7 py	303.0	304.0	100	67	188	0.2	<5
		matrix very siliceous and hard. Tiny 1mm grey	49073	4-5 py	304.0	305.0	100	66	300	0.2	<5
		alteration spots and bleached patches and	49074	4-5 py	305.0	306.0	100	72	194	0.5	<5
		chloritic rims around sulphide grains and patches	49075	5-7 py	306.0	307.0	100	45	132	0.4	<5
		common. Unit is quite homogenous and massive looking being either a fine tuff or flow or dyke. Sulphide content is variable disseminated throughout with at least 5-7% py.									
307.0	404.4	ALTERED SILICEOUS BRECCIA ZONE	48971		307.0	324.0					
						whole rock					
		Siliceous aphanitic matrix - brecciated fragments	49076	5-7 py	307.0	308.0	100	122	265	0.4	<5
		with diffuse margins. Fragments are irregular	49077	7-10 py	308.0	309.0	100	919	2275	1.7	70
		and multicompositional. Chlorite + sulphide		tr cpy		re-assayed	(pct)		0.22		
		patches also common. Composition similar to above	49078	10-12 py	309.0	310.0	100	1460	5400	3.2	70
		(280.9-295.2) some sections less brecciated appear				re-assayed	(pct)	0.13	0.29		
		identical.	49079	7-10 py	310.0	311.0	100	107	943	0.4	<5
			49080	5-7 py	313.0	314.0	100	70	1620	0.3	5
						re-assayed	(pct)		0.16		
			49081	7 py	314.0	315.0	100	35	186	0.5	<5
			49082	7-10 py	315.0	316.0	100	49	142	0.1	<5
			49083	7-10 py	316.0	317.0	100	139	225	0.4	<5
		Top 20-3m of unit resembles top of #15, 5, 6 in siliceous fragmental zones.									
		Upper part of unit has 10-15% py with traces of cpy common. Carbonate alteration and qtz-carbonate-chlorite veining common.									
		318.0-319.8 Unit is banded at 45° to core axis resembling sheared lapilli with 10-15% py.	49084	5-7 py	318.0	319.0	100	148	396	0.2	5
		318.5-319.3 Very chloritic band.									
		319.8-320.7 Sheared-chloritic zone with minor 1-2cm quartz and carb veining.	39085	5 py	319.0	320.0	100	55	199	<0.1	5
		320.7-324.5 Brecciated and strongly sheared at 20-30° to core axis.	39086	4-5 py	320.0	321.0	100	63	93	0.2	5
			49087	5 py	321.0	322.0	100	36	102	<0.1	<5
			49088	5-7 py	323.5	324.5	100	307	410	0.4	10
		323.0-323.8 Quartz feldspar porphyry.									
		324.5-326.8 Black to dark green aphanitic to fine grained.	49089	2 py mt	324.5	325.0	50	93	280	0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Mafic dyke contains many 1-2mm pyritic veinlets. Is extremely magnetic throughout. Upper contact at 30° to core axis, lower contact at 70° to core axis.	49090	1 py mt	325.0	326.0	100	149	202	0.3	<5
		326.8 Rock below dike is again very intensely brecciated and much move highly altered (than section from 307-324).	48972		326.0	345.0 whole rock					
			49091	5 py tr cpy	326.7	327.7	100	112	130	0.5	<5
		Chlorite and epidote content in part a green colour to the core up to 329m. Intense silica whitish and chlorite greenish alteration impart a dark grey with mottled look. Brecciation is intense and sulphide content 7-10%, tr cpy.	49092	5-7 py	329.0	330.0	100	40	132	0.7	<5
			49093	7 py	331.0	332.0	100	33	104	0.1	<5
			49094	7-10 py	334.0	335.0	100	42	97	0.1	<5
			49095	7-10 py	335.0	336.0	100	315	117	0.3	10
			49096	5-7 py	338.0	339.0	100	61	107	0.3	<5
		- Crude foliation from alignment of fragments is at 10-20° to core axis.	49097	7 py	339.0	340.0	100	62	92	0.1	<5
			49098	7-10 py	340.0	341.0	100	30	80	<0.1	<5
		- Small brilliant blue qtz veinlets 2mm - 10mm not uncommon.	49099	5-7 py tr cpy	341.0	342.0	100	21	91	<0.1	<5
			49100	7 py tr cpy	342.0	343.0	100	23	96	<0.1	<5
		343.0 Continued siliceous fragmental (breccia) with chlorite, QFP, cherty, bleached gabbro? Intermediate spotted; fragments in an irregular fashion. All in a siliceous somewhat cherty matrix. 3-5% pyrite, 5-8% locally as disss. clumps. Tr to <1% chalcopyrite.	48626	3-5 py	344.0	344.5	100	29	100	<0.1	10
			48627	tr cpy	348.0	349.0	100	46	85	<0.1	5
			48628	tr cpy	350.0	351.0	100	83	125	<0.1	5
			48629	tr cpy	353.0	354.0	100	46	137	<0.1	10
			48630	tr cpy	354.0	355.0	100	52	132	<0.1	5
		359.0 - 374.0 (approx.) Unit is very siliceous + cherty with browny-beige cherty fragments + chlorite. Occasional bluish quartz veins in an irregular fashion + 5-8% pyrite as clumps.	48631	tr cpy	359.0	360.0	100	79	165	<0.1	5
			48632	3-5 py	360.0	361.0	100	103	195	<0.1	<5
			48633	3-5 py	361.0	362.0	100	66	117	0.1	10
			48634	3-5 py	362.0	363.0	100	37	64	<0.1	10
			48635	3-5 py	363.0	364.0	100	62	90	<0.1	10
			48636	3-5 py	365.0	366.0	100	67	132	0.1	15
			48637	3-5 py	368.0	369.0	100	54	128	<0.1	5
			48638	3-5 py	369.0	370.0	100	54	127	0.2	10
			48639	3-5 py	373.0	374.0	100	113	265	0.2	10
		376.8-377.9 10cm fault gouge, very weathered.	48640	3-5 py	376.5	377.5	100	147	319	0.1	30
		378.0 - 404.4 Unit less fragmental - sill very siliceous + locally cherty with less cherty + siliceous + chlorite fragments than above. Epidote spotting common locally.	48641	5-8 py	393.0	394.0	100	43	128	<0.1	5
			48642	5-8 py	394.0	395.0	100	96	199	0.1	5
		398.0-402.0 Very siliceous host rock unit with 10-12% pyrite, 15-20% locally + tr chalcopyrite.	48643	15-20 py	398.0	399.0	100	302	113	0.4	10
			48644	15-20 py	399.0	400.0	100	175	94	0.1	10
			48645	10-12 py	400.0	401.0	100	97	8	0.1	10
			48646	10-12 py	401.0	402.0	100	21	41	0.3	<5
			48647	10-12 py	402.0	403.0	100	25	90	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
404.4	429.5	ALTERED (SILICEOUS) - INTERMEDIATE VOLCANIC	48973		404.3 whole rock						
		Unit is aphanitic to very fine grain, massive to very weakly foliated at 40° to core angle. Medium to dark green to greenish-grey in more siliceous zones.	48648	2-3 py	407.0	408.0	100	100	91	0.1	<5
		Local chloritic + epidote sections - generally schistose.									
		Micro-fractures with quartz + quartz carbonate infill.									
		2-3% pyrite as clumps. Tr chalcopyrite.									
		416.0-422.0 Host rock unit - more siliceous with quartz eyes to 5mm dia. + epidote spotting to 8mm dia. 3-5% pyrite as diss. clumps	48649	3-5 py	419.0	420.0	100	56	131	<0.1	<5
			48650	3-5 py	420.0	421.0	100	21	84	<0.1	<5
		424.9-426.9 QFP intercollations.									
429.6	438.6	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before at 40.3 to 52.5. 2-3% disseminated pyrite as fine clumps.	48651	2-3 py	430.0	431.0	100	125	83	0.1	<5
			48652	2-3 py	436.0	437.0	100	42	72	0.2	5
	438.6	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-18-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-18-88 LENGTH: 274.0 meters
LOCATION: Claim No. 374017-2
LATITUDE: 4+00N DEPARTURE: L1+40E
ELEVATION: AZIMUTH: S 210 deg. DIP: -50°
STARTED: April 8/88 FINISHED: April 13/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
28.0	-51	-52.40	100.0	-50	-40.50
200.0	-50	-49.90			

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	28.0	CASING									
28.0	36.6	QUARTZ FELDSPAR PORPHYRY									
		Unit is medium grained, coarser grain locally. Massive, medium to dark grey with pinkish (k-spar) alt. + greenish (epidote + chlorite) sections. Quartz, feldspar, assemblage with minor biotite; epidote, chlorite grains locally, generally to 3-4mm dia.	48975		28.0	36.6 whole rock					
		Mafic volcanic xenoliths common - generally very chloritized.									
		1-2% very finely disseminated pyrite, also as clumps + cubes. Quartz veinlets from white to grey common with or without sulphides.									
		28.2-28.3 10cm quartz + minor tourmaline vein at 90° to core angle with 1-2% pyrite as small specks + minor carbonate.	48653	1-2 py	28.0	28.4	40	13	32	0.2	10
		28.8 8cm quartz vein with minor tourmaline + carbonate veinlets. 1-2% very finely disseminated pyrite + 5cm bleached zone either side of vein.	48654	1-2 py	28.7	29.0	30	16	3	0.2	35

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		35.8-36.3 Light beige bleached zone with 5-8% disseminated pyrite.	48655	5-8 py	35.8	36.3	50	22	3	0.2	305
36.6	39.4	ALT. SHEARED - CHLORITIZED GABBRO	48976		36.6	39.4					
		Unit is very fine to fine grained, very well foliated at 50° to core angle. Medium to dark green.				whole rock					
		Very chloritized with light green powdery streak. Abundant carbonate/quartz veinlets, stringers, patches throughout unit. Unit is slightly magnetic throughout.	48656	tr-<1 py	37.0	38.0	100	79	87	0.1	5
		Tr to <1% very finely disseminated pyrite.									
		Unit is very schistose throughout, with shiny greenish - black waxy, slippery fracture surface.									
39.4	146.9 (approx.)	QUARTZ, FELDSPAR, PORPHYRY									
		Generally as before at (28.0-36.6), 1-2% py, 2-3% locally.	48972		39.4	60.0					
						whole rock					
		41.0-42.2 1.2 meter alt. zone, unit is bleached to a light beige with several 2 to 3cm quartz veins at 90° to core angle + carbonate patches. 3-5% cubic + diss. pyrite. Tr arsenopyrite?	48657	3-5 py tr arseno	41.0	42.2	120	35	31	0.3	165
		42.5-44.0 Unit with interstitial epidote - light green color - occasional pink k-spar. Mafic volcanic xenoliths common to 3cm.									
		47.5-47.8 30cm bleached zone with a 1cm quartz carbonate vein at 60° to core angle. Minor tourmaline + 5-8% pyrite in bleached zone.	48658	5-8 py	47.5	47.8	30	32	56	<0.1	230
		47.95 2cm quartz/carbonate vein at 80° to core angle with 15-20% pyrite in two large clumps.	48659	8-10 py	47.8	48.1	30	239	38	2.1	5410
		51.6 5cm quartz/carbonate vuggy vein/patch with epidote vug infill. 5-8% pyrite in surrounding bleached zone.	48660	5-8 py	51.5	51.8	30	16	40	0.1	30
		57.3 6cm quartz + tourmaline vein at 60° to core angle with 15-20% pyrite at peripheri of vein in contact with host rock + as large clumps in vein. 8-10% pyrite in 5cm bleached zone surrounding vein.	48661	10-15 py	57.1	57.5	40	87	35	0.2	1100
						re-assayed	(ppm)				1.11
						re-assayed	(opt)				0.033
						re-assayed	(opt)				0.057
		57.0-60.1 Local k-spar (pinkish) alteration common.									
		59.3 1cm quartz vein at 50° to core angle with a 5cm bleached zone either side of vein with 8-10% pyrite.	48662	5-8 py	59.2	59.5	30	28	51	0.1	30

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		60.2-61.2 1.0 meter chloritic mafic volcanic xenolith with very fine feldspar, carbonate? spotting.	48978		60.0	101.0 whole rock					
		61.2 2cm quartz vein at contact of xenolith. Bluish-grey with 1-2% pyrite at 50° to core angle.	48663	1-2 py	61.1	61.4	30	63	57	0.1	5
		63.6-64.2 Section of very pinkish-brown k-spar alt.									
		64.2-64.4 20cm very chloritic mafic-volcanic xenolith with sharp upper + lower contacts at 75° and 40° respectively.									
		67.2-69.0 Host rock section with indistinct/fuzzy grains - unit is dark grey to greyish-green									
		69.0 4cm quartz + tourmaline vein at 35° to core angle with 8-10% pyrite as clumps + a 5cm bleached zone either side of vein with 5-8% diss. pyrite.	48664	7-9 py	68.9	69.2	30	77	24	0.2	1620
						re-assayed	(ppm)				1.51
						re-assayed	(opt)				0.044
						re-assayed	(opt)				0.033
		74.0-77.7 Host rock unit with indistinct grains + vuggy surface.									
		77.7-78.6 90cm light green bleached (dike)? mafic volcanic xenolith with a 5cm quartz patch at 78.3m with tr pyrite with 1-2% pyrite surrounding patch.	48665	tr-<1 py	78.2	78.5	30	14	92	<0.1	180
		79.9-80.2 30cm mafic volc. xenolith - very chloritic.									
		81.4-82.3 90cm very chloritic mafic volcanic xenolith with sharp lower contact at 70° to core angle.									
		83.0-91.0 Host rock unit with light greenish tint from 5-8% interstitial epidote - distinct grains. Qtz, feldspar - 1-2% very finely disseminated pyrite.	48666	1-2 py	87.0	88.0	100	15	56	<0.1	15
		91.5-101.0 Host rock unit with 10-12% interstitial chlorite + epidote around qtz + feldspar grains.									
		98.8-99.1 30cm section with 4x2cm irregular quartz vein/patches, tr-<1% diss. pyrite.	48667	tr-<1 py	98.8	99.1	30	34	60	0.2	<5
		101.0 4cm quartz + tourmaline vein/patch with 15-20% pyrite as clumps - with 10cm bleached zone either side of vein/patch with 5-8% pyrite.	48668	15 py	100.8	101.2	40	15	19	0.2	5380
						re-assayed	(ppm)				4.90
						re-assayed	(opt)				0.143
						re-assayed	(opt)				0.109
		101.3 3cm quartz-carbonate vein at 85° to core angle with 10-15% pyrite as clumps + a 10cm bleached	48669	10-12 py	101.2	101.5	30	1	24	0.3	>20000
						re-assayed	(ppm)				4.76

FOOTAGE		DESCRIPTION	SAMPLE		ASSAYS						
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		zone either side of vein with 5-8% pyrite diss.				re-assayed	(opt)				0.139
						re-assayed	(opt)				0.146
		102.2-102.9 70cm quartz + tourmaline vein/patch with 15-20% pyrite in clumps + a 50cm bleached zone at lower contact to 103.4m with 5-8% py.	48670	12-15 py	102.2	103.4	120	29	22	0.8	6830
						re-assayed	(ppm)				3.43
						re-assayed	(opt)				0.100
						re-assayed	(opt)				0.121
		104.7-105.7 100cm bleached zone with several 1-2cm whitish quartz vein/patches, tr sulphides but 3-5% pyrite diss. in bleached zone.	48671	3-5 py	104.7	105.7	100	30	23	<0.1	180
		106.2-107.3 110cm bleached zone - very siliceous with 2-3% diss. pyrite + a 1cm pyrite vein/ stringer at 40° to core angle at 107.0m.	48672	3-5 py	106.2	107.3	110	40	19	0.2	3750
						re-assayed	(ppm)				1.68
						re-assayed	(opt)				0.049
						re-assayed	(opt)				0.066
		110.4-110.5 10cm quartz + tourmaline vein/patch with 3-5% pyrite as clumps + 10cm bleached zone either side of vein/patch with 8-10% very finely diss. pyrite.	48673	5-8 py	110.2	110.7	50	119	17	0.1	325
		114.0-122.0 Host rock unit - pinkish with well defined - distinct k-spar alt.	48979		114.0	122.0					
						whole rock					
		116.5-117.6 110cm bleached zone with 5-8% to 8-10% py locally + a 10cm quartz-tourmaline vein at 50° to core angle at 171.1-171.2 with 15-20% py as large cubes to 1 sq. in. + a 5cm quartz tourmaline vein at 171.3 with 8-10% py as clumps.	48674	10-15 py	116.5	117.6	110	220	12	0.7	2560
						re-assayed	(ppm)				2.54
						re-assayed	(opt)				0.074
						re-assayed	(opt)				0.084
		117.6-118.2 Host rock unit with vugs - 8-10% pyrite infill as small 1-2mm cubes + hex. crystals + 2cm irregular greyish quartz vein at 118.0m with 8-10% pyrite as clumps.	48675	3-5 py	117.6	118.2	60	84	25	0.5	890
		119.4-119.8 40cm chloritic mafic volcanic xenolith with sharp upper + lower contacts at 85° to core angle.									
		120.6 1cm tourmaline minor quartz vein at 30-35° to core angle with 8-10% pyrite + a 10cm bleached zone either side of vein with 5-8% diss. py.	48676	6-9 py	120.4	120.8	40	95	23	0.6	560
		124.3 4cm quartz-tourmaline vein at 40° to core angle with 8-10% cubic pyrite to 3mm with a 5cm bleached zone either side of vein with 5-8% diss. pyrite.	48677	6-9 py	124.2	124.5	30	27	47	<0.1	5
		130.2-130.7 50cm light green fine epidote? spotted gabbro xenolith with sharp upper + lower contacts - slightly magnetic locally.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		137.0-143.0 Host rock unit looks dioritic (diorite) with what appears to be a quartz matrix with biotite, chlorite + epidote spotting to 25-30% (hornblende)? rectangular phenocrysts to 3-4mm. ommon. 1-2% diss. pyrite.	48980		137.0	143.0 whole rock					
			48678	1-2 py	139.0	140.0	100	37	40	0.7	<5
		143.7 3cm greyish quartz vein at 45-50° to core angle with 1-2% diss. pyrite.	48679	2-3 py	143.6	143.9	30	43	48	0.1	<5
		146.0-146.9 90cm host rock unit where quartz-feldspar grains are indistinct - med. grey color with a 6cm quartz minor tourmaline vein at 85° to core angle at 146.6 with 5-8% diss. pyrite.	48680	3-5 py	146.3	146.8	50	6	65	<0.1	<5
146.9 approx.	149.2	ALT (CHLORITIZED) GABBRO									
		Very generally as before at 36.6-39.4 but unit is not as sheared - foliated. Abundant irregular carbonate quartz veinlets-stringers. Unit slightly magnetic locally - tr - <1% diss. pyrite.	48981		146.9	149.2 whole rock					
			48681	tr-<1 py	147.4	148.4	100	46	64	0.1	5
149.2	152.6	QUARTZ, FELDSPAR, PORPHYRY - DIKE?									
		As before at 39.4-146.9 (approx). Unit is pinkish-greenish grey - k-spar alt. + epidote. 3-5% py. 5-8% locally.	48682	3-5 py	151.0	152.0	100	83	71	0.2	25
		Small (2-5cm) mafic volcanic + gabbro xenoliths common.									
152.6	156.7	INTERMEDIATE - MAFIC VOLCANIC									
		Unit is aphanitic to very fine grained, massive to weakly foliated. Medium to dark greeny - grey black. Very finely and evenly but not heavily chloritized with soft light green powdery streak. Occasional alt. Q.F.P. xenoliths to 20-30cm. 5-8% very finely diss. pyrite. 8-10% locally.	48982		152.6	156.7 whole rock					
			48684	5-8 py	154.0	155.0	100	120	116	0.1	20
		155.7 5cm fault gouge with quartz-carb + gouge material, 1-2% py									
		155.7-156.1 Siliceous - alt. Q.F.P.? pinkish shear zone foliated at 40° to core angle.	48683	1-2 py	155.5	156.5	100	93	50	0.2	10
		156.1-156.5 40cm int - mafic unit which appears tuffaceous with qtz. shards, eyes along foliation of 50° to core angle - possibly result of shear stress?									
		Very sharp but faint hairline lower contact with gabbro at 57° to core angle.									
156.7	162.8	GABBRO									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Unit is fine to medium grained, massive; dark green to greeny black. Hard. Not as chloritized as above. Very fine epidote + feldspar spotting - abundant quartz-carbonate. Veinlets-stringers to 2cm. Unit is highly magnetic. Micro-fractures with quartz-carb infill.	48683		156.7	162.8 whole rock					
		1-2% py, diss. av. with 8-10% very locally.									
		Abundant vugs to 1mm dia. - chl.-epidote? dissolution?									
		156.7-158.0 Host rock unit aphanitic to very fine grained - chilled margin with pink quartz feldspar porphyry xenolith at 157.0-157.1 (10 cm)	48685	3-5 py	157.0	158.0	100	367	10	0.4	5
		158.0-162.8 Host rock unit with very visible magnetite grains to 1mm dia. - 10-12% - 1 5-20% locally.									
		161.0-162.8 Host unit with 5-8% av. py - 8-10% locally. Diss. + stringer.	48686	5-8 py	161.0	162.0	100	199	101	0.4	340
			48687	8-10 py	162.0	163.00	100	35	20	<0.1	190
162.8	169.9	ALT. SHEARED? BLEACHED QUARTZ, FELDSPAR, PORPHYRY?									
		Unit is variable - aphanitic to very fine to med. grained, massive grains mostly indistinct. Unit is light to medium pinkish beige. Very hard, siliceous. Occasional sections with visible quartz-feldspar - biotite (hornblende) grains + specks. Tr to 1% diss. pyrite - sharp upper + lower contacts at 85-90° to core angle.	48984		162.8	169.9 whole rock					
		Micro-fractures with grey quartz infill common to 1mm width.	48688	tr-1 py	165.0	166.0	100	76	10	<0.1	125
		165.0-166.8 Host rock unit with distinct but still fuzzy phenocrysts of quartz, feldspar (k-spar) biotite (hornblende)? chlorite.	48689	tr-1 py	167.0	168.0	100	102	69	<0.1	5
169.9	177.0	GABBRO									
		As before at 156.7-162.8 unit is very magnetic.	48690	1-2 py	169.5	170.5	100	81	57	<0.1	<5
		169.9-169.95 5 cm very sheared host rock unit at 85-90° to core angle. Banded chlorite epidote? with carbonate.									
		170.0-175.0 Numerous epidote rich quartz feldspar porphyry xenoliths up to 30cm width some with pink (k-spar) alt. grading in with host rock unit.	48691	1-2 py	173.5	174.5	100	43	8	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		173.8-174.2 very pink k-spar alt. xenolith. 1-2% py diss.									
		176.4-176.7 30cm pink (k-spar) alt. quartz feldspar porphyry xenolith with indistinct grains.									
177.0	207.0	ALT. (SHEARED)? BLEACHED? QUARTZ, FELDSPAR, POPRHYRY	48985		177.0 whole rock	188.0					
		Very generally as before at 162.8 - 169.9. Unit is pink to pinkish beige - massive, grains indistinct for most part, but occasional sections showing minor very fine, fine grained quartz, feldspar, biotite (hornblende) chlorite - very siliceous and hard!!	48692	tr-1 py	177.0	178.0	100	20	9	<0.1	20
		Tr to 1% pyrite as individual grains.									
		181.0-183.0 Host rock unit is blocky and fractured with angular fragments + mild weathering.	48693	tr-1 py	181.0	182.0	100	25	12	<0.1	10
		185.0-188.0 Host rock unit gets greyer with more greyish siliceous zones + biotite (hornblende) + chlorite.	48694	tr-1 py	185.0	186.0	100	22	26	<0.1	<5
		188.0-196.0 Host rock unit with distinct well defined quartz, feldspar grains to 4mm. Grey to dark grey siliceous matrix. 1-2% diss. pyrite as at 28.8-36.6. Post (Q.F.P. shearing) intrusive?	48986		188.0 whole rock	196.0					
			48695	1-2 py	193.0	194.0	100	40	21	<0.1	<5
		196.0-200.0 Host rock unit pinkish-bleached with no distinct grains.									
		200.0-203.4 Host rock unit greyish with beige bleached shear zones - grains nearly indistinct. 2-3% diss. pyrite. 3-5% very locally.	48696	2-3 py	200.0	201.0	100	43	21	<0.1	5
			48697	2-3 py	201.0	202.0	100	20	28	<0.1	5
			48698	2-3 py	202.0	203.0	100	23	10	<0.5	<5
		203.4-207.0 Host rock unit with sharp distinct quartz feldspar + (k-spar) alt. phenocrysts in a dark greenish - grey near vuggy matrix - also with bluish-grey quartz eyes to 5mm dia. 2-3% diss. pyrite.	48987		203.4 whole rock	207.0					
			48699	2-3 py	205.0	206.0	100	25	55	<0.1	5
207.0	240.3	ALT. (EPIDOTIZED) INTERMEDIATE-MAFIC VOLCANIC									
		Very generally as before at 152.6-156.7. Unit is well foliated in sections to 35-40° to core angle. Where foliation is well developed unit is light to medium green to olive green, carbonatized, chloritic with minor epidote. Unit also blocky but not heavily weathered. Occasional sections more massive with epidote vug + micro-fracture infill. 5-8% py, 10-12% py locally as clumps, diss. + stringers.	48988		207.0 whole rock	226.0					
			48700	5-8 py	206.7	207.7	100	148	83	<0.1	10

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		208.1-210.1 200cm beige bleached quartz feldspar porphyry - very siliceous micro-fractures with tourmaline infill. 1-2% diss. pyrite.	48701	1-2 py	207.7	208.7	100	26	27	<0.1	<5
			48702	1-2 py	208.7	209.7	100	17	14	<0.1	10
			48703	1-2 py	209.7	210.7	100	65	42	<0.1	10
		210.0-226.0 "Shear" Host rock unit well foliated to 35-40° to core angle - light to medium green. Relatively soft. Carbonate - chlorite + minor epidote common. Unit blocky but not severely weathered - quartz eyes along foliation - vuggy locally with py infill. 5-8% py diss. + light stringers along foliation - 10-12% locally. Schistose + occasional tourmaline/quartz veins at 35° to CA.	48704	5-8 py	213.0	214.0	100	10	54	<0.1	<5
			48705	5-8 py	214.0	215.0	100	39	50	<0.1	<5
			48706	5-8 py	215.0	216.0	100	77	54	<0.1	<5
			48707	5-8 py	216.0	217.0	100	42	35	<0.1	<5
			48708	5-8 py	217.0	218.0	100	31	44	<0.1	5
			48709	8-10 py	218.0	219.0	100	44	41	<0.1	<5
			48710	8-10 py	219.0	220.0	100	45	57	<0.1	30
			48711	8-10 py	220.0	221.0	100	50	45	<0.1	5
			48712	10-12 py.	221.0	222.0	100	125	79	<0.1	5
			48713	10-12 py	222.0	223.0	100	209	42	<0.1	5
			48714	5-8 py	223.0	224.0	100	120	67	<0.1	5
			48715	5-8 py	224.0	225.0	100	198	75	<0.1	10
			48716	5-8 py	225.0	226.0	100	159	67	<0.1	5
		226.0-231.0 "Int. spotted" Host rock unit is harder, massive. Darker green, with abundant micro-fractures + vugs with epidote infill - usually also with pyrite. Epidote irregular patches - spotting prolific after 229.0. 4-6% pyrite as micro-fracture infill + vug infill + diss. core also blocky + mildly weathered.	48717	5-8 py	226.0	227.0	100	15	70	<0.1	5
			48718	4-6 py	229.0	230.0	100	65	84	<0.1	<5
			48719	4-6 py	230.0	231.0	100	115	62	<0.1	<5
			48720	4-6 py	231.0	232.0	100	97	74	<0.1	<5
			48721	4-6 py	232.0	233.0	100	139	37	<0.1	<5
			48722	4-6 py	233.0	234.0	100	127	46	<0.1	<5
		228.5-228.7 20cm quartz patch with minor epidote rimming patch + 3-56% diss. pyrite.	48723	3-5 py	228.4	228.8	40	178	62	<0.1	<5
			48724	5-8 py	236.0	237.0	100	19	60	0.1	<5
		237.0-238.4 104cmn alt. (siliceous) Q.F.P. with little or no distinct phenocrysts.									
		238.4-240.3 Host rock unit (int. volc.) epidote spotted - hard! 5-8% pyrite in vugs + micro-fracture infill with epidote.	48725	5-8 py	238.5	239.5	100	93	94	<0.1	<5
240.3	254.4	GABBRO									
		Same as at 169.9-177.0. Unit is very magnetic with very visible magnetite grains to 2mm dia.	48989		240.3	254.4 whole rock					
		Abundant micro-fractures (many vuggy) with epidote + pyrite infill.									
		5-8% to 8-10% stringer + very finely disseminated pyrite also as vug + micro-fracture infill.									
		240.3-242.0 Host rock unit blocky + mildly weathered with abundant 1-2cm fault gouge + fault gouge material.	48726	6-8 py	240.0	241.0	100	399	127	0.3	15
			48727		241.0	242.0	100	203	117	0.2	10

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		242.4-245.0 260cm alt. (silicified) + graphic texture - gabbro - quartz-carbonate veinlets in a graphic texture pattern with blue grey quartz eyes. 5-8% pyrite.	48728	6-8 py	242.5	243.3	80	137	70	0.1	20
		243.4 4cm tourmaline + minor quartz vein at 90° to core angle, 1-2% diss. py but 8-10% around vein for up to 10cm either side.	48729	8-10 py	243.3	243.6	30	81	40	0.3	250
			48730	7-9 py	243.6	244.6	100	177	106	<0.1	10
			48731	7-9 py	244.6	246.0	140	121	110	0.1	<5
		245.0-254.4 Host rock unit with 5-8%, 8-12% locally diss. + stringer + vug and micro-fracture infill pyrite + epidote.	48732	7-9 py	246.0	247.0	100	18	109	<0.1	<5
			48733	7-9 py	247.0	248.0	100	200	88	<0.1	5
			48734	7-9 py	248.0	249.0	100	268	93	<0.1	5
			48735	7-9 py	249.0	250.0	100	39	86	0.2	<5
			48736	7-9 py	250.0	251.0	100	265	83	0.3	10
			48737	7-9 py	251.0	252.0	100	162	110	0.2	5
			48738	7-9 py	252.0	253.0	100	91	82	0.1	20
			48739	7-9 py	253.0	254.0	100	115	62	<0.1	<5
			48740	7-9 py	254.0	255.0	100	81	83	0.1	270
254.4	259.7	MASSIVE - FELSIC-INTERMEDIATE VOLCANIC									
		Unit is aphanitic, massive, medium to dark grey with a very slight greenish tint - very siliceous with very fine chlorite/epidote? spots - occasional epidote spots/patches to 10mm dia. with pyrite rimming. Very hard. Very occasional light brown to beige cherty bands.	48990		254.4	259.7 whole rock					
		5-8% pyrite as small clumps.									
		254.4-255.6 Host rock unit mildly foliated at 75° to core angle + more intermediate with a much greener tint than rest of unit - also schistose.	48741	5-8 py	255.0	256.0	100	62	56	0.1	<5
			48742	5-8 py	257.0	258.0	100	24	46	<0.1	5
			48743	5-8 py	258.0	259.0	100	36	47	0.1	<5
		Sharp lower contact at 40° to core angle.									
259.7	266.8	INTERMEDIATE VOLCANIC -DACITE? DIKE?									
		Very generally as above at 152.6-156.7. Host rock unit is lightly but very evenly chloritized. Medium green; massive; very fine to fine grained.	48991		259.7	266.8 whole rock					
		Very fine lightly epidote? spotting on surface. 1-2% py, 1-3% locally as clumps to 1mm dia.	48744	1-2 py	262.0	263.0	100	53	90	<0.1	<5
		Sharp lower contact at 40° to core angle.	48745	1-2 py	266.0	267.0	100	77	137	0.2	<5
266.8	268.7	GABBRO									
		As above at 240.3-254.4. Unit is very fine to fine grained from 266.8 to 267.5 (approx.) then gets fine to medium grained. Very magnetic. 3-5% py locally.	48746	3-5 py	267.0	268.0	100	84	84	0.2	<5
268.7	272.3	MAFIC MATRIX, QUARTZ, FELDSPAR, PORPHYRY DIKE?									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Very generally as before - but matrix is dark greyish - green with distinct quartz, feldspar phenocrysts with epidote, chlorite and biotite (hornblende) as accessory minerals. Chlorite + biotite (hornblende - amphibole) occur as lathes to 2-3mm length. Tr to 1% very finely diss. pyrite.	48992		268.7	272.3 whole rock					
272.3	273.4	FINE GRAINED GABBRO									
		As before at 266.8-268.7 but with a very fine grained, very magnetic with 5-8% stringer + diss. pyrite.	48747	5-8 py	272.0	273.0	100	131	108	<0.1	<5
273.4	274.0	INTERMEDIATE VOLCANIC									
		As before at 207.0-240.3 but unit is aphanitic to very fine grained and much less mafic. 1-2% py.	48748	1-2 py	273.0	274.0	100	191	83	0.1	<5
		273.4-273.6 20cm host rock unit with abundant epidote grains stretched along weak foliation.									
	274.0	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-19-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-19-88
LOCATION: Claim No. 374017-2
LATITUDE: 4+00N
ELEVATION:
STARTED: April 13/88

LENGTH: 301.4 meters
DEPARTURE: L3+00E
AZIMUTH: S 210 deg. DIP: -60°
FINISHED: April 19/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
25.0	-56		100.0	-56	
200.0	-54		300.0	-52	

FOOTAGE FROM	FOOTAGE (meters) TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	Footage To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	25.0	CASING									
25.0	188.5	QUARTZ FELDSPAR PORPHYRY									
		Unit is medium grained, fine to coarse grained locally, massive. Medium to dark grey to greyish green. Quartz, feldspar phenocrysts in a grey siliceous matrix. Chlorite, biotite, epidote as local accessories.									
		Locally vuggy with pyrite, epidote? infill - occasional sections - mafic volcanic xenoliths.									
		Local sections with pink (k-spar) alteration.									
		Frequent "shear" - bleached zones with quartz + quartz tourmaline veining.									
		1-2% disseminated pyrite, 2-4% locally.									
		25.0-33.0 Host rock unit with 10-15% interstitial chlorite + chlorite grains. Locally vuggy. Also blocky but not weathered. 1-3% disseminated pyrite.	48993		25.0	33.0	whole rock				
			48749	1-3 py	29.0	30.0	100	43	66	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		33.8-34.0 20cm "shear zone" with fault gouge material to a soft light green consistency with quartz + tourmaline veins/patches. Minor fuchite, 10-15% disseminated + stringer pyrite + a 10cm bleached zone either side of shear with 8-10% disseminated pyrite.	48750	10-12 py	33.5	34.1	60	35	45	<0.1	140
		34.1-34.8 Int-mafic volcanic xenolith? dacite dike? sharp upper and lower contacts at 85-90° to core angle. 1-2% diss. py.									
		35.3 3cm quartz-carbonate minor tourmaline vein at 25° to core angle with 10-15% pyrite as clumps + a 10cm bleached zone either side of vein with 8-10% disseminated pyrite.	48751	11-13 py	35.1	35.5	40	23	23	0.2	175
		36.0-36.15 15cm massive white quartz vein at 90° to core angle with a thin 1mm tourmaline vein at 36.0m - with 1-3% disseminated pyrite. Also a 5cm bleached zone either side of vein with 5-8% diss. py.	48752	3-5 py	35.9	36.3	40	28	30	<0.1	115
		41.9-42.2 30cm intermediate-mafic xenolith/dike? with 5-8% stringer + disseminated pyrite.	48753	4-6 py	41.7	42.2	50	82	116	<0.1	485
		44.15 4cm quartz minor tourmaline vein at 80-85° to core angle in a 10cm bleached zone with 5-8% disseminated + cubic pyrite.	48754	4-6 PY	44.0	44.3	30	82	35	<0.1	140
		44.4-45.9 1.5 meter mafic volcanic xenolith/dike? well foliated at 45° to core angle with biotite clots trending along foliation. 1-2% disseminated pyrite - quartz vein at lower contact.									
		45.9 12cm quartz minor tourmaline vein at 40° to core angle with tr-1% pyrite on lower contact of mafic xenolith + upper contact of quartz feldspar porphyry.	48755	TR-1 PY	45.8	46.1	30	31	90	<0.1	20
		47.4-47.6 20cm bleached zone with 5-8% disseminated pyrite with a .5cm quartz-carbonate vein at 25° to core angle at 47.5 with 5-8% disseminated pyrite.	48756	5-8 py	47.3	47.7	40	32	43	<0.1	310
		48.2 1cm quartz minor tourmaline + carbonate vein at 80° to core angle with 15-20% py + a 5cm bleached zone on either side of vein with 5-8% disseminated pyrite.	48757	8-10 py	48.1	48.4	30	20	44	0.1	55
			48994		50.0 whole rock	80.0					
		53.7 5cm quartz minor tourmaline vein at 70° to core angle with 10-15% disseminated + cubic	48758	8-10 py	53.5	53.8	30	24	45	0.3	325

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		pyrite + a 5cm bleached zone either side of vein with 5-8% disseminated py + minor fuchite?									
		53.7-55.5 1.8 meter mafic volcanic dike? with chlorite clots/spots - unit very chloritic - 3cm quartz vein at lower contact to quartz feldspar porphyry.									
		55.5 3cm quartz vein at 30° to core angle with minor tourmaline + 2-3% disseminated pyrite.	48759	1-2 py	55.4	55.7	30	59	58	<0.1	570
		63.9 1cm carbonate/quartz vein at 50° to core angle with 1-2% disseminated pyrite + a 10cm bleached zone either side of vein with 5-8% disseminated + cubic pyrite + minor tourmaline veins.	48760	4-6 py	63.7	64.1	40	16	20	<0.1	15
		65.0-65.4 3 quartz patches to 4cm width with minor pyrite in semi-bleached zone with 5-8% diss. pyrite.	48761	3-5 py	65.0	65.4	40	29	42	<0.1	15
		65.5-65.6 10cm cloudy white quartz vein at 90° to core angle with minor tourmaline + 5-8% stringer + disseminated pyrite all in a 30cm bleached zone with 5-8% disseminated pyrite.	48762	5-8 py	65.4	65.7	30	170	21	<0.1	5
		65.7-66.7 100cm host rock unit with 5 x 2-4cm quartz patches with tr - 1% disseminated pyrite + 3-5% disseminated pyrite in 1.0m semi-bleached + locally vuggy host rock.	48763	1-2 py	65.7	66.7	100	30	44	<0.1	<5
		67.3 4cm quartz vein at 60° to core angle with epidote patches + 1-2% disseminated pyrite.	48764	1-2 py	67.1	67.4	30	23	54	<0.1	<5
		68.8-69.5 70cm milky white to grey quartz vein/ patch with Q.F.P. fragments, 1-2% pyrite in clumps + 1-2% chalcopyrite. Also as clumps to 5mm dia. concentrated around the grey quartz areas at 69.4m.	48765	1-2 py + cpy	68.8	69.5	70	1250	11	<0.1	<5
		69.5-69.9 40cm mafic volcanic xenolith/fragment with sharp upper + lower contacts at 60° to core angle.									
		69.9-71.0 110cm milky white quartz vein/patch with 3 x 3-4cm tourmaline patches in vein. 1-2% disseminated + clumps pyrite.	48766	1-2 py	69.9	71.0	110	26	12	<0.1	10
		71.2 5cm quartz minor tourmaline vein at 45° to core angle with 8-10% diss. + clumps pyrite + a 20cm bleached zone above vein and a 25cm bleached zone below vein both with 5-8% diss. pyrite.	48767	5-8 py	71.0	71.3	50	250	19	0.2	210

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		74.6 5cm greyish quartz vein at 60° to core angle with 5-8% diss. py.	48768	3-5 py	74.5	74.8	30	18	52	<0.1	15
		74.9 5cm greyish quartz vein at 50° to core angle with 8-10% disseminated pyrite.	48769	5-8 py	74.8	75.1 re-assayed	30 (opt)	42	40	<0.1	14270 0.164
		79.0-80.5 1.5m Q.F.P. host rock unit which is blocky and vuggy but not severely weathered with 5-8% disseminated pyrite.	48770	5-8 py	79.0	80.5	150	13	47	<0.1	50
		89.5-91.0 150cm intermediate-mafic volcanic dike/ fragment with several light beige bleached zone with 5-8% disseminated pyrite concentrated around these zones. Sharp upper + lower contacts at 90° to core angle.	48771	2-3 py	89.5	91.0	150	87	98	<0.1	115
		91.0 At lower contact of xenolith? 4cm greyish quartz vein at 90° to core angle with 8-10% disseminated pyrite.	48772	5-8 py	91.0	91.3	30	53	48	0.3	1980
		95.0 3cm quartz vein at 80° to core angle with vugs + minor epidote clumps. Tr - 1% disseminated pyrite.	48773	1-2 py	94.8	95.1	30	16	39	0.2	15
		91.0-96.0 Host rock unit with very distinct quartz + feldspar phenocrysts - unit is light greenish-grey - epidote spotting, phenocryst rimming + interstitially 1-3% disseminated pyrite.	48995		91.0	96.0 whole rock					
		99.6-101.2 Chloritized mafic volcanic xenolith/ fragment? with abundant quartz-carbonate irregular veinlets/patches + occasional light olive green bleached zones with 3-5% disseminated pyrite around these zones.	48774	1-2 py	100.0	101.0	100	52	64	<0.1	10
		107.1-107.4 30cm very sheared xenolith - sheared - foliated at 55-60° to core angle - very chloritic + carbonate banding. 3-5% fine stringer - banded pyrite - unit resembles hole #16.	48775	3-5 py	107.0	107.5	50	59	75	<0.1	40
		108.15 2cm quartz vein at 85° to core angle with 5-8% pyrite as clumps.	48776	3-5 py	108.0	108.3	30	24	50	<0.1	10
			48777	1-2 py	112.0	113.0	100	6	54	<0.1	5
		114.1-114.2 10cm quartz very minor tourmaline vein at 50° to core angle with 15-20% py as clumps to 1cm dia. + a 5cm bleached zone either side of vein with 3-5% disseminated pyrite.	48778	10-12 py	114.0	114.3 re-assayed	30 (opt)	76	38	0.8	5310 0.126
		115.0 2cm quartz vein at 75-80° to core angle with 6-8% py diss.	48779	3-5 py	114.8	115.1	30	32	52	<0.1	30

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
			48780	2-3 py	121.0	122.0	100	36	53	0.2	10
		122.4 2cm quartz - epidote vein at 90° to core angle with 8-10% py as clumps.	48781	5-8 py	122.3	122.6	30	24	45	<0.1	10
		125.8 1 to 2cm quartz-tourmaline vein at 30° to core angle with 5-8% diss. py + a 10cm bleached zone either side of vein with 3-5% disseminated py.	48782	4-6 py	125.6	125.9	30	170	29	<0.1	195
		Pink (k-spar) alt. lcoally	48783	2-3 py	127.0	128.0	100	53	62	<0.1	10
		129.7 5cm quartz minor tourmaline vein at 90° to core angle with 5-8% py as clumps + a 10 cm semi -bleached zone either side of vein with 2-3% disseminated pyrite.	48784	4-6 py	129.5	129.8	30	65	47	<0.1	170
		K-spar alt. + vuggy 2-3% py	48787	2-3 py	132.0	133.0	100	70	47	0.4	6580
						re-assayed	(opt)				0.145
		133.3 3cm massive pyrite vein with minor tourmaline + quartz + a 5cm bleached zone either side of vein with 10-12% diss. py (pyrite is very yellowy?)	48788	25-30 py	133.0	133.3	30	65	48	0.2	305
		137.95 2cm quartz minor epidote vein at 90° to core angle with 5-8% diss. py.	48786	3-5 py	137.8	138.1	30	23	57	<0.1	20
		142.0 2cm quartz minor tourmaline vein at 60° to core angle with 8-10% diss. py + a 5cm bleached zone either side of vein with 3-5% diss. py.	48789	3-5 py	141.8	142.1	30	20	34	0.3	690
		145.4 2cm tourmaline - quartz vein at 85° to core angle with 20-25% py as clumps with a 5cm bleached zone either side of vein with 5-8% diss. py.	48785	10-15 py	145.3	145.6	30	62	38	0.1	1245
						re-assayed	(opt)				0.087
		148.3-148.4 10cm bleached zone with a 2mm massive pyrite vein at 35° to core angle with 5-8% py in bleached zone.	48790	5-8 py	148.2	148.5	30	168	40	0.6	575
		150.6 1cm quartz minor tourmaline vein at 35° to core angle with 1-2% pyrite in a 10cm bleached zone with 5-8% disseminated pyrite.	48791	3-5 py	150.5	150.8	30	106	46	0.4	350
		151.6 1cm quartz vein at 90° to core angle in a 5cm bleached zone all with 5-8% cubic + diss. pyrite.	48792	3-5 py	151.5	151.8	30	73	54	<0.1	215
		153.8 5cm quartz vein/patches with 5-8% cubic pyrite + a 5cm bleached zone either side of vein/patch with 3-5% disseminated py.	48793	4-6 py	153.7	154.0	30	301	29	1.5	2645
						re-assayed	(opt)				0.074
		154.3-154.4 10cm bleached zone with minor tourmaline veins + 3-5% disseminated pyrite.	48794	3-5 py	154.2	154.5	30	410	29	0.2	330

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		158.2-159.1 90cm bleached zone with occasional tourmaline veinlets at 90° to core angle with 5-98% very finely disseminated + cubic pyrite.	48795	4-6 py	158.0	159.2	100	42	35	<0.1	20
		159.2-160.2 100cm bleached zone with 5-8% diss. py. + a 4cm quartz, carbonate, tourmaline vein at 50° to core angle with 3-5% pyrite at 129.9m.	48796	4-6 py	159.2	160.2	100	51	36	<0.1	95
		160.5 8cm quartz-tourmaline minor carbonate vein at 90° to core angle with 3-5% diss. py + a 10cm bleached zone on either side of vein with 5-8% cubic + diss. py.	48797	4-6 py	160.2	160.8 re-assayed	60 (opt)	44	29	0.6	3665 0.149
		163.0-164.0 Host rock unit is blocky with minor weathering + vugs.	48798	2-3 py.	163.0	164.0	100	32	41	<0.1	55
		164.0-164.8 Host rock unit unaltered but with abundant 1 to 2cm quartz patches. 1-2% py in host rock.	48799	1-2 py	164.0	164.8	80	36	43	<0.1	<5
		164.8-166.3 150cm very bleached host rock unit with 5-8% diss. + cubic py. Also with several 2-3cm quartz + tourmaline veins at 90° to core angle with 3-5% disseminated + cubic py + minor fuchite?	48800	4-6 py	164.8	166.3	150	23	33	<0.1	150
		167.4 4cm quartz + tourmaline vein at 75° to core angle with minor carbonate patches + 3-5% diss. py with a 10cm bleached zone either side of vein with 5-8% disseminated cubic pyrite.	48801	4-6 py	167.1	167.6	50	26	19	0.1	740
		167.9-169.4 150cm host rock unit with several 1-2cm whitish to grey quartz veins all at 90° to core angle with tr-1% py + 3-5% disseminated py in unbleached Q.F.P. unit.	48802	3-5 py	167.9	169.4	150	35	34	<0.1	30
		170.0-171.0 100cm host rock unit with several whitish-grey quartz vein/patches with 3-5 + 5-8% disseminated + cubic pyrite + 3-5% disseminated pyrite in unbleached host rock unit.	48803	4-6 py	170.0	171.0	100	64	37	<0.1	45
		171.3-171.9 60cm host rock unit with 2 x 5cm whitish-grey quartz vein/patches at 171.4 + 171.8 with 3-5% disseminated + cubic pyrite in a very silicified but unbleached host rock unit with 5-8% disseminated pyrite.	48804	4-6 py	171.3	171.9	60	25	27	<0.1	170
		172.5-174.0 150cm host rock unit with several quartz - greyish vein/patches with 5-8% py + 5-8% disseminated py in unbleached but siliceous host rock unit.	48805	5-8 py	172.5	174.0	150	27	21	<0.1	650

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		174.4-179.5 10cm quartz vein at 90° to core angle with 8-10% pyrite as clumps to 5-8mm dia.	48806	5-8 py	174.3	174.6	30	35	18	0.1	355
		175.7-175.9 20cm long 2cm wide quartz vein at 15° to core angle with 8-10% brownish brassy pyrite as clumps.	48807	5-8 py	176.6	176.9	30	46	32	<0.1	10
		176.0-177.5 150cm host rock unit with 5-8% disseminated pyrite + tr-1% diss chalcopyrite.	48808	5-8 py tr-1 cpy	176.0	177.5	150	39	36	<0.1	5
		175.6-178.0 40cm long 2-3cm wide quartz vein along core with a 2-3mm rim of galena around peripheri of vein + diss + clumps galena in vein. 15-20% galena + 1-2% chalcopyrite + 1-3% disseminated pyrite with a 30cm bleached zone with large quartz eyes after vein + 2-3% diss. pyrite.	48809	15-20 py 1-3 py tr-1 cpy	177.5	178.5	100	82	31	0.4	20
		78.6-179.1 50cm pinkish quartz vein/patch 3cm wide along core with 1-3% disseminated py. + 5-8% disseminated pyrite in host rock unit.	48810	5-8 py	178.5	179.1	60	62	24	<0.1	5
		182.5 2cm quartz + carbonate vein at 90° to core angle with 1-2% disseminated py + a 5cm bleached zone on either side of vein with 3-5% disseminated pyrite.	48811	2-4 py	182.4	182.7	30	54	34	0.5	10
		187.9 5cm quartz vein at 90° to core angle with 30-35% pyrite as massive cubes - clumps to 1cm dia. with a 5cm bleached zone on either side of vein with 3-5% py.	48812	15-20 py	182.7	183.1	40	42	35	0.4	805
		183.6-184.0 40cm bleached section with 3-5% diss. pyrite.	48813	3-5 py	183.6	184.0	40	31	13	0.1	25
		186.6-187.1 50cm bleached zone with 1-3% diss. pyrite.	48814	1-3 py	186.6	187.1	50	48	20	0.1	10
188.5	196.5	ALT. (SILICIFIED) + FRAGMENTAL - FELSIC-INTERMEDIATE VOLCANIC?	48996		188.5	196.5 whole rock					
		Unit is aphanitic to very fine grained, massive to very weakly foliated (variable) medium greenish to dark greenish-brown with purplish brown siliceous sections.									
		Unit is very siliceous with grey to purplish-brown silicified zones - very hard.									
		Mottled appearance with grey to brownish quartz - siliceous fragments + chlorite + epidote fragmented in a siliceous matrix. Very finely but not heavily biotitic on fracture surface.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Fragments are not well defined with fuzzy borders.									
		Unit is very vuggy with chlorite + epidote + pyrite infill to 191.0m.									
		5-8% pyrite as clumps + diss.									
		188.5-191.0 Host rock unit is vuggy + chloritic with pyrite + epidote vug infill. 7-9% pyrite.	48815	7-9	188.0	189.0	100	312	41	0.2	20
			48816	7-9	189.0	190.0	100	258	35	0.4	10
			48817	7-9	190.0	191.0	100	43	47	<0.1	<5
			48818	7-9	191.0	192.0	100	66	38	<0.1	<5
		191.0-196.5 Host rock unit much harder, more siliceous - not vuggy with 5-8% disseminated + clumps pyrite.	48819	5-8 py	193.0	194.0	100	258	52	0.1	<5
196.5	200.0	QUARTZ, FELDSPAR, PORPHYRY	48997	196.5	200.0						
				whole rock							
		Generally as before at 25.0-188.5 but unit appears to be biotitic (hornblende)?, 2-3% disseminated pyrite.	48820	2-3 py	198.0	199.0.0	100	108	49	0.1	<5
200.0	204.1	ALT. (SILICIFIED) + FRAGMENTAL - FELSIC-INTERMEDIATE VOLCANIC?									
		Very generally as before at 188.5 to 196.5 but this unit has abundant QFP fragments to 30cm + unit is very vuggy with epidote + pyrite infill.									
		200.0-204.1 Host rock unit very vuggy + mildly weathered with epidote + pyrite vug infill to 8-10% py diss. Also fragmental - QFP fragments.	48821	8-10 py	199.5	200.5	100	50	58	<0.1	5
			48822	8-10 py	200.5	201.5	100	78	51	<0.1	5
			48823	8-10 py	201.5	202.5	100	112	83	<0.1	<5
			48824	8-10 py	202.5	203.5	100	106	53	<0.1	<5
			48825	8-10 py	203.5	204.5	100	88	51	<0.1	5
204.1	226.5	ALTERED - QUARTZ, FELDSPAR, POPRHYRY									
		Very generally as before at 25.0-188.5 but unit varies widely in color and mineralogy. From a light pink to a dark grey to black to a light greeny-pink color, all depending upon percentage of k-spar, biotite-hornblende, chlorite-epidote. 1-3% disseminated pyrite.									
		204.1-209.0 Host rock unit with distinct quartz + feldspar phenocrysts - matrix alters due to mineralogical changes. K-spar, epidote, chlorite, biotite-hornblende.	48998		204.1	209.0					
					whole rock						
			48826	1-3 py	206.0	207.0	100	24	61	<0.1	<5
		209.0-219.4 Host rock unit is altered (silicified). Also bleached + pink (k-spar) alteration locally - no distinct grains/phenocrysts. 1-2% diss. py.	48999		209.0	219.4					
					whole rock						
			48827	1-2 py	211.0	212.0	100	17	30	<0.1	<5
			48828	1-2 py	212.0	213.0	100	15	20	<0.1	10

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
			48829	1-2 py	213.0	214.0	100	22	20	<0.1	20
			48839	1-2 py	218.0	219.0	100	41	25	<0.1	10
		219.5-221.2 Dike? Porphyritic gabbro - magnetic gabbro with feldspar phenocrysts to 5mm and chlorite laths + phenocrysts to 3mm. Tr-1% diss. py.	48840	1-2 py	210.0	220.0	100	20	42	<0.1	5
		221.2-222.0 Pinkish (k-spar) alt. + bleached host rock unit with 1-2% diss. py.	48830	1-2 py	221.0	222.0	100	32	23	<0.1	5
		222.0-222.8 80cm magnetic gabbro dike?/fragment									
		222.8-226.5 Host rock unit pinkish + bleached with indistinct grains + 1-2% disseminated pyrite.	48831	1-2 py	224.0	225.0	100	28	45	0.1	675
			48832	1-2 py	225.0	226.0	100	30	28	<0.1	20
		226.3 3cm quartz vein/patch with 20-25% pyrite as clumps to .5cm dia. with a 15cm greyish - siliceous bleached zone on the lower contact to the vein with 15-20% disseminated pyrite.	48833	15-20 py	226.0	226.5 re-assayed	50 (opt)	57	30	1.5	>20000 0.193
226.5	236.7	GABBRO									
		Unit is fine grained, massive, medium to dark green with fine magnetic spotting to 1mm dia. up to 8-10% Unit is very magnetic, evenly but not heavily chloritic, local section feldspar spotted (phenocrysts) locally siliceous with alt. (bleached) + k-spar alt. Q.F.P.; quartz, carbonate veins/veinlets with 45-50° to core angle. Epidote patches + stringers common. 5-8% av. 8-10% locally pyrite as diss. + clumps + stringers.	49000		226.5	236.7 whole rock					
		227.0 7cm pinkish and grey quartz and tourmaline vein/patch with 15-20% pyrite as clumps and a 8cm siliceous irregular bleached zone either side of vein/patch with 15-20% diss. pyrite.	48834	15-20 py	226.5	227.3	80	222	62	0.3	895
		227.5-227.7 20cm quartz vein at 90° to core angle with minor tourmaline + carbonate + 1-2% diss. pyrite. 2 x 1cm tourmaline veins in a pink k-spar alt. unit at upper contact of vein with 3-5% disseminated py.	48835	3-5 py	227.3	227.8 re-assayed	50 (opt)	164	26	1.7	>20000 0.303
		227.8-228.8 Altered host rock which is very siliceous with very siliceous grey bands at 35° to core angle - bleached zones? with 10-15% disseminated pyrite.	48836	10-15 py	227.8	228.8 re-assayed	100 (opt)	229	81	<0.5	1640 0.052
		230.8-230.9 10cm quartz-tourmaline vein at 50° to core angle with 1-3% diss. pyrite and a 10cm	48837	10-12 py	230.6	231.0	40	312	57	0.4	925

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		grey siliceous bleached zone either side of vein with 10-15% disseminated pyrite.									
		231.5-232.5 100cm host rock unit with abundant .5cm wide quartz-carbonate veins at 45-50° to core angle with 5-8% pyrite diss. in host rock.	48838	5-8 py	231.5	232.5	100	156	115	<0.1	10
		233.0-236.7 Host rock unit with 5-8%, 8-10% locally pyrite as diss. + clumps + stringers + as micro-fracture + vug infill with epidote.	48841	7-9 py	233.0	234.0	100	282	129	<0.1	<5
			48842	7-9 py	234.0	235.0	100	305	123	<0.1	<5
			48843	7-9 py	235.0	236.0	100	10	124	<0.1	<5
			48844	7-9 py	236.0	237.0	100	344	110	0.1	<5
236.7	242.6	ALT. (SILICIFIED) FRAGMENTAL - INTERMEDIATE VOLCANIC									
		Unit is aphanitic to very fine grained, massive to very weakly foliated light to dark greeny -grey.	49426		236.7	242.6 whole rock					
		Unit is very siliceous with irregular quartz + cherty fragments with indistinct rounded fuzzy borders + sections that have a very siliceous matrix.									
		Quartz eyes to 5mm common locally as is quartz patches + irregular veinlets.									
		Unit is evenly but lightly chloritized.									
		5-8% - 8-10% pyrite disseminated and as clumps and stringers with tr-1% chalcopyrite locally.									
		236.8-237.7 90cm host rock bleached zone - light olive green tint with 1-2% diss. pyrite.									
		237.7-242.6 Host rock unit with 5-8% av. pyrite, 8-10% locally as diss. and stringer pyrite. Also as vug infill with epidote and tr-1% chalcopyrite.	48845	7-9 py tr-<1 cpy	237.0	238.0	100	69	53	0.2	30
			48846	"	238.0	239.0	100	112	57	0.1	5
			48847	"	239.0	240.0	100	127	62	0.1	<5
			48848	"	240.0	241.0	100	209	64	<0.1	5
			48849	"	241.0	242.0	100	173	35	<0.1	<5
		242.2-242.4 20cm very vuggy section with 10 -15% pyrite infill with epidote. Tr cpy. (Occasional very very yellowy pyrite)??? in vugs.	48850	10-12 py tr cpy	242.0	242.6	60	409	41	0.3	10
242.6	266.7	ALT (EPIDOTE SPOTTED) + SHEARED/FRAGMENTAL - INTERMEDIATE VOLCANIC									
		Unit is aphanitic to very fine grained, massive to very weakly foliated, medium to dark greenish - grey. Epidote spotting to 2-3mm locally. Some sections spotting stretches along foliation. Very evenly, but not heavily chloritic.	49427		242.6	249.0 whole rock					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Occasional quartz-carbonate veinlets - also occasional greyish-blue quartz veins. Quartz feldspar porphyry xenoliths/fragments common.									
		3-5% average disseminated pyrite with 5-8% locally as diss. + clumps.									
		Tr - <1% cpy.									
		243.5-243.8 4cm wide 30cm long quartz fragment/ patch along core angle with tr-1% disseminated pyrite.	48851	1-2 py	243.5	243.8	30	83	63	<0.1	<5
			48852	3-5 py	246.0	247.0	100	118	52	<0.1	5
		249.0-254.0 Host rock unit gets well foliated at 45-50° to core angle and very schistose. Also more chloritic with 5-8% disseminated and banded py 8-10% locally.	49428		249.0	254.0 whole rock					
		250.00 2cm fault gouge with gouge material and 5-8% disseminated pyrite with a 3cm quartz vein at 250.1 with 1-3% disseminated pyrite.	48853	4-6 py	249.8	250.3	50	89	60	0.3	<5
			48854	5-8 py	250.3	251.6	130	111	55	0.3	5
		251.7-251.9 20cm fault gouge with gouge material and 8-10% very finely disseminated pyrite around and in gouge material.	48855	7-9 py	251.6	252.0	40	131	41	0.1	<5
			48856	4-6 py	252.0	253.0	100	169	44	0.4	<5
			48857	4-6 py	253.0	254.0	100	245	42	0.1	<5
			48858	4-6 py	254.0	255.0	100	306	62	0.2	5
		255.0-258.1 310cm QFP fragmental locally with epidote bands to 2-3mc width with quartz fragments.									
		258.1 At QFP and host rock unit contact a .5cm pyrite veinlet/band with minor chalcopyrite.	48859	5-8 py tr-1 cpy	258.0	258.3	30	268	46	0.2	10
		258.0-266.7 Host rock unit - more massive but now fragmental with cherty, siliceous, quartz, epidote, chlorite: fragments, bands, patches in a mottle appearance with occasional zones original epidote spotted intermediate volcanic. 3-5% av. pyrite disseminations and clumps.	49429		258.0	266.7 whole rock					
			48860	3-5 py	260.0	261.0	100	101	34	0.2	<5
			48861	3-5 py	263.0	264.0	100	59	67	0.1	<5
			48862	3-5 py	264.0	265.0	100	202	69	0.1	<5
266.7	289.3	ALT. - FELSIC - INTERMEDIATE VOLCANIC									
		Unit is aphanitic, very fine grained locally. Massive to well foliated at 40 to 50° to core angle. Unit is light to medium grey to greyish green. Occasional sections very finely and lightly chloritic. Lightly fragmental with occasional cherty and siliceous fragments.	49430		266.7	275.0 whole rock					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Occasional bluish-grey quartz vein/veinlets also quartz carbonate as infill. Locally sheared and bleached and sericitic.	48863	3-5 py	270.0	271.0	100	39	45	<0.1	<5
			48864	3-5 py	271.0	272.0	100	105	75	0.4	5
		3-5% disseminated and clumps pyrite, 5-8% locally. Tr-<1% chalcopyrite as clumps and very finely disseminated.	48865	3-5 py	272.0	273.0	100	75	46	0.1	35
			48866	3-5 py	273.0	274.0	100	107	41	0.1	<5
		275.0-276.2 Epidote spotted, int. volc. fragment /intercollation.									
		276.2-287.3 Host rock unit is sheared to a greyish -beige color - unit is schistose, sericitic, and generally much more felsic with cherty and siliceous sections. Occasional altered quartz-feldspar-porphyry xenoliths to 30cm.	49431		276.21	287.3 whole rock					
			48867	3-5 py.	277.0	278.0	100	19	47	0.3	25
			48868	tr cpy	278.0	279.0	100	56	46	0.3	<5
			48869	3-5 py	279.0	280.0	100	54	51	0.3	20
			48870	9-12 py	281.5	282.5	100	38	48	0.1	10
			48871	9-12 py	282.5	283.5	100	17	28	0.5	25
			48872	9-12 py	283.5	284.5	100	34	36	<0.1	10
			48873	9-12 py	284.5	285.5	100	50	37	<0.1	25
			48874	9-12 py	285.5	286.5	100	41	45	0.1	30
			48875	9-12 py	286.5	287.5	100	78	99	0.3	10
		276.2-283.0 3-5% av. pyrite, 5-8% local, tr. cpy.									
		283.0-287.2 8-10% av. py. 10-12% local.									
287.3	300.2	GABBRO									
		As before at 226.5-236.7 very heavily magnetic with 8-10% visible magnetite. Quartz-carbonate veinlets. Sharp upper contact at 50^{0} common.	49432		287.3	300.2 whole rock					
		Chlorite and epidote bands and patches common.									
		3-5% pyrite as stringers and disseminations usually in or around chlorite and epidote zones.									
		287.3-288.0 70cm host rock unit much finer grained - "chilled margin"									
		290.4-298.8 2x2cm quartz vein/patches with 1-2% disseminated pyrite and 5-8% disseminated py in host rock unit in chl. and epid. patches.	48876	3-5 py	290.0	291.0	100	156	97	0.1	20
			48877	5-8 py	290.2	290.9	70	121	101	0.5	40
		292.7 1cm quartz vein at 35^{0} to core angle with 5-8% disseminated pyrite and 8-10% very yellowy pyrite as clumps and disseminations in host rock around vein.	48878	7-9 py	292.6	292.9	30	99	75	0.1	5
			48857	4-6 py	253.0	254.0	100	245	42	0.1	<5
			48879	5-8 py	293.0	294.0	100	177	90	<0.1	20
			48880	7-9 py	298.0	299.0	100	343	78	<0.1	15
300.2	301.3	QUARTZ, FELDSPAR, PORPHYRY									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		As before at 25.0-188.5.									
	301.3	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-20-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-20-88 LENGTH: 266.0 meters
LOCATION: Claim No. 374017-2
LATITUDE: 4+00N DEPARTURE: L3+60E
ELEVATION: AZIMUTH: S 210 deg. DIP: -55°
STARTED: April 19/88 FINISHED: April 24/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
25.0	-55		100.0	-55	
200.0	-53				

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	25.0	CASING									
25.0	182.4	QUARTZ FELDSPAR PORPHYRY									
		Unit is medium to coarse grained, massive, medium to dark greyish-green; phenocrysts almost indistinct with fuzzy ghost like borders. Unit is pinkish grey (k-spar) alt. locally. Core is blocky with angular fragments initial 10.0m with mild weathering. Tr to 1% diss. pyrite.	49433		25.0 whole rock	39.0					
			48881	tr-1 py	32.0	33.0	100	18	30	<0.1	5
		39.5-41.5 2.0 meter sheared, chloritic mafic volcanic intercollation. Very well foliated at 60° to core angle. Tr to 1% disseminated pyrite with a 10cm quartz vein at upper contact at 39.4-39.5 with minor tourmaline + 8-10% pyrite.	48882	5-8 py	39.3	39.6	30	130	54	<0.1	15
		And at 41.6 (lower) contact a 4cm quartz vein at 90° to core angle with 1-2% pyrite + a 10cm bleached/alt zone with tourmaline veins on either side of vein with 5-8% disseminated pyrite.	48883	5-8 py	41.4	41.9	50	44	52	<0.1	20
		43.0-60.0 Host rock now with distinct phenocrysts of quartz + feldspar to 5mm dia. Unit is medium to dark grey with occasional greyish-green sections	49434		43.0 whole rock	60.0					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		- epidote interstitially. Tr-1% py.									
		45.0 1cm quartz minor carbonate + tourmaline vein at 45° to core angle with 2-3% diss. pyrite and a 5cm semi-bleached zone on either side of vein with 2-3% disseminated pyrite.	48884	2-3 py	50.0	50.3	30	410	31	0.2	180
		56.1 2cm quartz vein at 45° to core angle with 5-8% disseminated and small clumps pyrite.	48885	3-5 py	56.0	56.3	30	26	38	0.1	280
		61.6-61.7 10cm quartz + tourmaline vein/patch with 2-3% disseminated pyrite all in a 150cm bleached zone between 161.2 to 162.7 with minor tourmaline veinlets and quartz patches and 5-8% disseminated pyrite.	48886	5-8 py	61.2	62.7 re-assayed	150 (opt)	38	14	<0.1	1310 0.037
		72.6 1cm quartz minor carbonate, tourmaline and chlorite vein at 35° to core angle with 1-2% disseminated pyrite with a 10cm semi-bleached zone on either side of vein with 1-2% disseminated pyrite.	48887	1-2 py	72.5	72.8	30	18	20	0.6	870
		75.3 4cm quartz vein at 60° to core angle with minor tourmaline with tr-1% disseminated pyrite and a 5cm bleached zone either side of vein with 1-2% disseminated pyrite.	48888	1-2 py	75.1	75.4	30	26	18	<0.1	45
		76.0-85.0 Host rock unit with distinct phenocrysts of quartz and feldspar with common point (k-spar) altered phenocrysts to 5mm dia. Occasional sections with greenish tint due to epidote.	49435		76.0	85.0 whole rock					
		81.2-81.7 50cm host rock unit with quartz patches and pyrite clumps to 1cm dia. Also with epidote patches. 8-10% disseminations and clumps pyrite.	48889	8-10 py	81.2	81.7	50	18	31	<0.1	15
		84.4-85.4 1.0 meter host rock unit with quartz patches and veinlets to .5cm diameter with a 1cm diameter quartz vein at 50° to core angle with 5-8% pyrite at 85.1m.	48890	3-5 py	84.4	85.4	100	33	35	<0.1	130
		85.4-86.7 130 cm intermediate-mafic dike? feldspar, epidote? spotting on surface to 1mm diameter. Tr - <1% disseminated pyrite.									
		Shear zone - 87.8 to 90.8.									
		87.8-88.2 40cm unit of quartz veins/patches with fragments of bleached zone in between fragments and veins with 5-8% pyrite in quartz and 5-8% disseminated py in bleached zones.	48891	5-8 py	87.7	88.3	70	34	24	<0.1	30
		88.3-90.8 Shear and bleached zone at 45° to core angle. Light greyish-beige, with very altered	48892	7-9 py	88.3	90.3	200	45	44	<0.1	110

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		host rock and minor fuchite and cherty bands with 5-8 to 8-10% disseminated pyrite locally and a 40cm greyish-blue quartz vein at 45° to core angle with 8-10% pyrite as clumps and disseminations at 89.0-89.4 meters.									
			48893	1-2 py	90.8	91.8	100	31	39	<0.1	20
		95.5 2cm fault gouge at 65° to core angle. Very chloritized. Tr - <1% disseminated pyrite.	48894	1-2 py	95.2	95.8	60	78	59	0.1	10
		98.4 4cm quartz and tourmaline and minor carbonate vein at 90° to core angle with 5-8% disseminated pyrite and a 5cm bleached zone on either side of vein with 3-5% pyrite. Vein on contact with altered mafic dike.	48895	4-6 py	98.2	98.6	40	51	66	<0.1	20
		98.5-99.5 100cm altered (chloritized and carbonatized) mafic dike with light greenish white epidote? spotting and banding. Tr-<1% disseminated pyrite.									
		99.7 1cm quartz vein at 35° to core angle with 8-10% pyrite as clumps.	48896	5-8 py	99.6	99.9	30	77	60	<0.1	<5
		101.4 1cm quartz vein at 35° to core angle with 5-8% pyrite as clumps - vein is vuggy with very minor pyrite infill.	48897	3-5 py	101.3	101.6	30	26	56	0.1	5
		101.9 2cm epidote vein at 90° to core angle with 15-20% disseminated pyrite. Vein is vuggy with an orangy bleached zone for 5cm either side.	48898	5-8 py	101.6	102.1	50	21	46	<0.1	10
		106.4 2cm quartz vein at 35° to core angle which is vuggy with 3-5% pyrite as clumps and 5-8% chalcopyrite as clumps.	48899	2-3 py tr-1 cpy	106.3	106.6	30	54	36	<0.1	10
		107.0 2cm quartz vein at 30° to core angle with 3-5% disseminations and clumps pyrite and tr-1% chalcopyrite.	48890	2-3 py tr-<1 cpy	106.8	107.1	30	191	36	<0.1	15
		109.8-109.9 10cm bleached zone with tourmaline and quartz veinlets to .5cm dia. with 3-5% disseminated py in bleached zone.	48901	2-3 py	109.7	110.0	30	22	26	<0.1	20
		112.1-112.2 10cm foliated-chloritic mafic volcanic fragment with vuggy .5cm quartz veinlets with pyrite infill. 5-8% pyrite in fragment.	48902	3-5 py	112.0	112.3	30	20	36	<0.1	10
		114.4-114.2 10cm long 3cm wide quartz vein at 20° to core angle with 5-8% pyrite as clumps. Vein is vuggy with very minor py infill.	48903	2-3 py	114.0	114.3	30	57	44	<0.1	10

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		115.0 2cm very vuggy quartz vein at 50° to core angle with 20-25% pyrite as vug infill and disseminations.	48904	5-8 py	114.8	115.1	30	95	40	0.2	20
		116.2 4cm greyish-white quartz vein at 65° to core angle with 8-10% disseminated and stringer pyrite and a vuggy host rock section for 5-8cm on either side of vein.	48905	5-8 py	116.0	116.4	40	209	28	0.1	15
		117.4 5cm quartz. Very minor tourmaline vein at 90° to core angle with tr-<1% diusseminated pyrite with a 5cm bleached zone either side of vein with 3-5% disseminated pyrite.	48906	2-3 py	117.3	117.6	30	34	25	0.2	50
		119.5-119.7 20 cm quartz vein at 35° to core angle. Tr - <1% disseminated pyrite.	48907	1-2 py	119.4	119.8	40	35	33	<0.1	10
		119.2 1cm quartz vein at 55° to core angle with 15-20% pyrite as clumps and a 5cm bleached zone on either side of vein with 8-10% disseminated and cubic pyrite.	48908	8-10 py	119.0	119.3	30	46	45	0.1	175
		120.1 2cm quartz. Very minor tourmaline and carbonate vein at 55° to core angle with 2-3% disseminated pyrite and a 10cm bleached zone either side of vein with 8-10% dissseminated and cubic pyrite.	48909	7-9 py	119.9	120.4	50	518	28	0.1	230
		121.6-122.0 Host rock unit with quartz patch at 121.6 - barren and a 2cm quartz vein at 122.0 with 1-2% disseminated pyrite and a 5cm bleached zone either side of vein with 5-8% disseminated pyrite.	48910	3-5 py	121.6	122.1	50	94	25	<0.1	220
		124.0-126.0 Host rock unit with biotite (hornblende) and chlorite assemblage with a very whitish grey siliceous matrix.	49436		124.0	126.0 whole rock					
			48913	1-2 py	125.0	126.0	100	20	55	<0.1	10
		126.45-126.6 15cm bleached zone with 8-10% yellowy pyrite! as disseminations and as clumps.	48911	5-8 py	126.4	126.7	30				
		126.0-132.0 Host rock with epidote + (k-spar) alteration with a very dark greenish-grey siliceous matrix and grey quartz eyes to 3mm diameter.	49437		126.0	132.0 whole rock					
			48914	1-2 py	128.0	129.0	100	41	45	<0.1	15
		131.3-131.5 20cm host rock unit with 3xlcm greyish quartz veins at 40° to core angle with 50% pyrite in each and minor galena and epidote.	48912	3-5 py tr-1 gal	131.2	131.6	40	45	37	<0.1	30

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		132.5-134.5 Host rock unit with biotite (hornblende) and chlorite assemblage with a greyish-white silicified matrix.									
		136.2 5cm bleached zone with a .3cm quartz carbonate veinlet. 5-8% disseminated pyrite in bleached zone.	48915	3-5 py	136.1	136.4	30	57	47	0.2	5
		137.0 3cm quartz-carbonate vein at 40° to core angle with 8-10% disseminated pyrite and an 8cm bleached zone on either side of vein with 5-8% disseminated pyrite.	48916	5-8 py	136.8	137.1	30	171	27	0.3	10365
		137.65 2cm quartz/minor carbonate vein at 50° to core angle with tr-1% disseminated pyrite and an 8cm bleached zone either side of vein with 5-8% disseminated and cubic and clumps pyrite.	48917	3-5 py	136.5	136.8	30	540	23	0.2	215
		138.7-138.8 10cm whitish to grey quartz vein at 50° to core angle with minor carbonate and fuchite at sides of vein. 10-15% pyrite as large clumps to 10mm diameter.	48918	8-10 py	138.5	138.9 re-assayed	40 (opt)	40	27	0.5	1080 0.042
		140.0 10cm quartz minor carbonate vein at 50° to core angle with 3-5% pyrite as clumps and a 5cm bleached zone either side of vein with 5-8% disseminated pyrite.	48919	4-6 py	139.8	140.1	30	39	29	0.1	495
		142.2 1cm bluish-grey quartz vein with very minor tourmaline at 20° to core angle with 1-2% disseminated pyrite.	48920	1-2 py	142.0	142.3	30	92	50	0.1	20
		142.7 1cm quartz-carbonate vein at 60° to core angle with 5-8% pyrite and a 6cm bleached zone either side of vein with 8-10% disseminated and cubic pyrite.	48921	7-9 py	142.5	142.9 re-assayed	40 (opt)	567	47	0.1	1110 0.008
		144.7-147.9 230cm mafic volcanic intercollation - chloritic with fine carbonate spotting on surface and carbonate bands + patches: soft and milkly foliated at 65° to core angle. Sharp upper contact at 75° to core angle.									
		147.9 At lower contact of mafic volcanic intercollation a 10cm altered cherty zone with tourmaline patches (148.0-184.1) and carbonate and fuchite with 8-10% disseminated pyrite and a 10cm bleached zone either side of altered zone with 5-8% disseminations and clumps and cubic pyrite.	48922	5-8 py	147.8	148.3	50	62	31	0.2	620
		150.4-153.4 200cm intermediate-mafic volcanic intercollation with graphic chlorite clots;									

FOOTAGE		DESCRIPTION	SAMPLE		ASSAYS						
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		soft, with occasional quartz-carbonate veinlets. Sharp lower contact at 20° to core angle.									
		158.6-161.0 240cm light green dacite dike/intercollation with									
		159.7-160.0 1 to 3cm greyish quartz vein at 15° to core angle (30cm long) with tr to 1% disseminated pyrite.	48923	tr-1 py	159.7	160.0	30	266	50	0.1	35
		160.1-160.3 30cm whitish-grey quartz vein at 90° to core angle with minor tourmaline and tr-1% disseminated pyrite.	48924	tr-1 py	160.0	160.4	40	82	31	0.1	20
		160.6-161.2 60cm dacite dike? unit with 3 x 1 to 4cm quartz minor tourmaline vein/patches with 1-2% disseminated pyrite.	48925	1-2 py	160.6	161.2	60	97	83	0.3	10
		167.2-167.5 Several .5 to 1cm quartz vein/veinlets with tr to <1% pyrite.	49101	tr-<1 py	167.2	167.5	30	42	57	<0.1	5
		169.0 2cm quartz vein at 90° to core angle with 15-20% pyrite as large clumps to 1cm diameter.	49102	8-10 py	168.9	169.2	30	29	55	0.2	10
		170.0 5cm greyish quartz vein at 90° to core angle with 5-8% disseminated pyrite.	49103	3-5 py	169.8	170.1	30	38	47	0.1	40
		170.3 8cm white quartz vein at 90° to core angle with 10-15% disseminations and clumps and cubic pyrite.	49104	8-10 py	170.1	170.4	30	46	36	0.3	10
		174.2-174.7 50cm porphyritic dike - medium to dark green with white to greenish tint feldspar phenocrsyts to 5mm diameter. Sharp upper and lower contacts at 90° to core angle.									
		175.6-176.7 110 cm semi-bleached host rock unit with indistinct grains with occasional tourmaline veinlets and patches with minor quartz and 3-5% disseminated pyrite.	49105	3-5 py	175.6	176.7	110	41	33	0.4	10
		**********									
		178.3-178.5 20cm long 1.5cm wide quartz vein at 15° along core angle with 10-12% yellowish pyrite as clumps to 10mm diameter. Also with a fault which cuts and displaces vein for 1cm.	49106	6-8 py	178.2	178.6	40	69	49	0.2	10
		178.9-179.1 20cm whitish to grey quartz vein at 90° to core angle with 10-15% disseminations and clumps pyrite and tr galena.	49107	8-10 py tr gal	178.8	179.2	40	51	28	0.1	60
182.4	186.8	GABBRO									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Unit is very fine to fine grained, massive to very weakly foliated. Dark green with abundant quartz carbonate vien/veinlets at a predominant 45-55° to core angle. Locally coarser grained. Unit is very magnetic.	49438		182.4	186.8 whole rock					
		Local epidote patches and micro-fracture infill.									
		2-3% disseminations and clumps pyrite.									
		184.2 Minor shear zone with a lcm quartz vein at 90° to core angle with 8-10% pyrite. Quartz feldspar porphyry and gabbro at contact (shear) is altered (silicifed) with 3-5% disseminated pyrite in a semi -bleached zone.	49108	3-5 py	182.0	183.0	100	203	83	0.1	20
		183.7-183.9 Host rock unit with 20cm silicified patch with minor tourmaline and very light (bright) green epidote fracture and mirco-fracture infill and patches. 2-3% disseminated pyrite.	49109	2-3 py	183.6	184.0	40	524	97	0.1	20
		184.4-185.3 90cm porphyritic gabbro/dike - massive, dark green with feldspar phenocrysts to 5mm diameter. Minor epidote throughout.									
		185.3-186.0 70cm altered unit with quartz feldspar poprhyry incorporated into gabbro unit. Almost indistinct sil. and quartz and feldspar phenocrysts in a gabbro appearing matrix. Slightly magnetic locally.									
		186.0-187.0 Host rock unit withy 2-3% disseminated pyrite and epidote micro-fracture infill.	49110	2-3 py	186.0	187.0	100	238	88	0.1	10
186.8	191.2	ALTERATION ZONE									
		Alteration zone comprised of intercollations/dikes, occasionally altered (sheared). Between upper and lower gabbro units.									
		186.8-188.6 220 cm porphyritic gabbro/dike.									
		188.6-189.4 Semi-bleached, near indistinct, phenocrysts, altered quartz, feldspar, porphyry.									
		189.4-190.3 90cm altered (sheared) bleached light to medium green altered (mafic volcanic). Very well foliated at 75° to core angle with sharp upper and lower contacts at 65° and 75° respectively. Very chloritic, soft. Numerous quartz and quartz carbonate patches and vein/veinlets with 1-2% disseminated py and 3-5% throughout unit. 2cm fault gouge at 189.65 wqith gouge material.	49111	3-5 py	189.0	190.7	170	86	54	0.1	45

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		190.4-191.2 80cm very siliceous intermediate volcanic intercollation. Very schistose. Hard with 2-3% disseminated pyrite.									
191.2	241.7	GABBRO									
		As before at 182.4-188.6. 3-5% disseminated pyrite, average.									
		191.5-191.7 20cm gabbro unitwith coarser grain and epidote spoitting? as fragments with quartz carbonate infill/veinlets with 1-2% disseminated pyrite and tr-<1% chalcopyrite.	49112	1-2 py tr-<1 cpy	191.4	191.8	40	370	107	0.2	10
		191.9-192.6 70cm porphyritic gabbro/porphyritic dike? as before.									
		192.7 1cm greyish quartz vein at 50° to core angle with 8-10% disseminatiosn an clumps pyrite with tr chalcopyrite and galena.	49113	3-5 py	192.5	192.8	30	154	98	0.2	<5
		Host rock unit with 5-8% disseminated py.	49114	5-8 py	192.8	193.6	80	194	113	0.2	10
		193.7 1cm greyish quartz vein at 30° to core angle with 8-10% disseminated pyrite and tr galena.	49115	3-5 py	193.6	193.9	30	224	97	0.2	5
		194.0 Host rock unit much coarser grained - fine to medium grained locally. Magnetite grains now visible to 1mm diameter. Also many pinkish quartz feldspar poprhyry. Fragments/xenolith throughout unit.									
		194.0-195.0 Gabbro unit with many quartz patches and 5-8% disseminations and clumps pyrite in host rock.	49116	5-8 py	194.0	195.0	100	613	135	0.1	5
			49117	4-6 PY	198.0	199.0	100	195	103	<0.1	80
		200.0-204.0 Host rock unit with 3-5% to 5-8% locally pyrite as disseminatiosn and clumps and as micro-fracture infill with epidote. The disseminated py usually occurs with epidote patches and bands.	49118	4-6 py	200.0	201.0	100	264	101	<0.1	<5
			49119	4-6 py	201.0	202.0	100	530	92	0.1	<5
			49120	4-6 py	202.0	203.0	100	452	97	<0.1	<5
			49121	4-6 py	203.0	204.0	100	345	95	0.1	<5
		204.7 7cm quartz vein at 50° to core angle with minor carbonate and tourmaline and 10-12% pyrite as clumps and a 10cm sil. bleached zone either side of vein with 10-15% very finely disseminated pyrite.	49122	10-15 py	204.5	205.0 re-assayed	50 (opt)	224	77	<0.1	10800 0.189
		205.0-206.0 100cm host rock unit with 5-8% disseminations and clumps pyrite and in quartz patches to 2cm diameter.	49123	5-8 py	205.0	206.0	100	563	98	<0.1	20
		206.6-207.7 110cm pinkish (k-spar) alteration. Quartz feldspar porphyry fragment/xenolith.									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		208.7-210.5 180cm pinkish (k-spar) altered quartz feldspar porphyry xenolith with an altered zone at 210.0 with indistinct grains - very k-spar alteration.									
		212.0-213.0 host rock unit with 4-6% disseminated pyrite with epidote.	49124	4-6 py	212.0	213.0	100	258	66	0.2	10
		215.0-220.0 Host rock unit with very fine grained epidote spotting not visible on surface. Unit still magnetic.									
		218.2 2cm quartz vein at 60° to core angle with 1-2% disseminated pyrite with an 8cm bleached zone either side of vein with 8-10% finely disseminated pyrite.	49125	4-6 py	218.1	218.4	30	307	77	0.4	245
		222.0-223.0 100cm host rock unit with numerous quartz patches + veinlets and epidote bands and patchews with 5-8% disseminations and clumps pyrite with tr chalcopyrite.	49126	5-8 py tr cpy	222.0	223.0	100	473	43	0.2	10
		224.0-225.0 Host rock unit with 4-6% disseminated pyrite in epidote bands and patches and micro-fracture infill.	49127	4-6 py	224.0	225.0	100	219	74	0.4	5
		228.0-230.0 Host rock unit with 4-6% disseminated pyrite in epidote bands and patches.	49128	4-6 py	228.0	229.0	100	255	74	<0.1	<5
			49129	4-6 py	229.0	230.0	100	162	59	<0.1	<5
		231.45 5cm siliceous patch with 15-20% pyrite as clumps to 7mm diameter with tr chalcopyrite.	49130	4-6 py	231.3	231.6	30	180	59	0.5	<5
		232.0-235.0 Host rock unit with 4-6% disseminated pyrite in epidote band and patches and micro-fracture infill.	49131	4-6 py	232.0	233.0	100	211	78	0.6	<5
			49132	4-6 py	233.0	234.0	100	164	61	<0.1	5
			49133	4-6 py	234.0	235.0	100	157	81	0.1	5
		237.0-240.0 Host rock unit with 5-8% disseminations and clumps pyrite in epdiote bands and patches and as quartz patch infill and micro-fractures.	49134	4-6 py	237.0	238.0	100	161	96	<0.1	<5
			49135	4-6 py	238.0	239.0	100	308	72	<0.1	5
			49136	4-6 py	239.0	240.0	100	218	83	0.5	<5
		241.0-241.7 Host rock unit - very fine grained with abundant quartz-carbonate veinlets and 5-8% disseminations and stringer pyrite.	49137	5-8 py	241.0	241.7	70	133	100	<0.1	<5
241.7	244.7	SHEARED/CHERTY BANDED CRYSTAL TUFF?									
		Unit is very fine to fine grained, well foliated at 40 to 55° to core angle (1 is bedding plane); light to medium greenish-grey with olive to beige-brown cherty bands and patches. Mildly fragmental with quartz + cherty framgents locally.	49439		241.7	244.7 whole rock					
		Unit is lightly chloritized and carbonatized (soft).									
		Quartz shards, eyes, along foliation (crystal tuff)?	49138	7-9 py	241.7	242.7	100	219	30	<0.1	5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Unit is very schistose and locally sericitic on fracture surface.	49139	7-9 py	242.7	243.7	100	60	22	<0.1	<5
			49140	7-9 py	243.7	244.7	100	121	44	<0.1	5
		Unit has a banded appearance with chlorite, carbonate, cherty, pyrite, bands along foliation.									
		5-8%; 8-10% locally disseminated and banded pyrite.									
244.7	246.2	ALTERED QUARTZ, FELDSPAR, PORPHYRY DIKE?									
		As before at 25.0-182.4. Almost indistinct - ghost like phenocrysts of quartz + feldspar. Light to medium grey unit.									
246.2	266.0	ALTERED FELSIC-INTERMEDIATE VOLCANIC "CHERTY" FRAGMENTAL									
		Unit is aphanitic to very fine grained, weakly foliated at 40° to core angle, medium to dark greyish-green.\	49440		246.2		whole rock				
		Unit is very siliceous yet chloritized - siliceous patches and bands locally. Unit is chyerty with beige to brown cherty bands, patches, and fragments all in a siliceous - chloritized matrix.									
		3-5% disseminations and clumps pyrite.	49141	3-5 py	246.0	247.0	100	100	87	<0.1	<5
			49142	3-5 py	247.0	248.0	100	104	93	0.1	<5
		248.3-249.4 110cm quartz feldspar porphyry intercollation, irregular upper and lower contacts.	49143	3-5 py	248.0	249.0	100	152	82	0.2	<5
		249.5 7cm greyish quartz vein/patch with 1-2% pyrite as small clumps.	49144	1-2 py	249.4	249.7	30	77	74	0.1	<5
		250.8-250.9 10cm hostr ock unit with 2 x 1cm patches chalcopyrite and stringers with pyrite and chalcopyrite infill.	49145	3-5 py 1-2 cpy	250.0	251.0	100	459	80	0.3	10
			49146	tr-1 cpy 3-5 py	251.0	252.0	100	195	55	0.1	5
			49147	4-6 py tr cpy	252.0	253.0	100	270	63	<0.1	10
			49148	"	253.0	254.0	100	165	94	0.1	5
		254.0-263.0 Host rock unit with altered sections of chlorite + carbonate patches that are vuggy and soft - minor shears? 3-5% pyrite but 5-8% concentrated around altered zones as clumps and stringers. Unit is also "chertier" with abundant brownish cherty bands and patches.	49149	"	254.0	255.0	100	211	55	0.2	5
			49150	"	255.0	256.0	100	76	52	0.3	5
			49151	"	256.0	257.0	100	75	22	0.1	<5
			49152	"	257.0	258.0	100	115	39	<0.1	5
			49153	"	258.0	259.0	100	85	60	<0.1	5
		259.6 2cm fault gouge with fault gouge material with 15-20% very finely disseminated pyrite. Soft, powdery.	49154	5-8 py	259.0	260.0	100	66	53	<0.1	5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		256.0-260.0 Host rock unit very vuggy with weathered chlorite and carbonate zones. Soft and powdery with 5-8% concentrated pyrite.									
			41955	5-8 py	260.0	261.0	100	140	43	<0.1	5
		261.4-262.2 Quartz feldspar porphyry intercollation - sharp but irregular upper and lower contacts.	49156	1-2 py	261.0	261.0	100	12	43	0.5	10
			49157	1-2 py	262.0	263.0	100	24	37	0.1	<5
		263.0-266.0 Host rock unit much more massive - less altered but very cherty with olive green to brownish cherty bands and patches. 2-3% disseminated pyrite.	49158	2-3 py	263.0	264.0	100	147	49	<0.1	5
			49159	2-3 py	264.0	265.0	100	74	53	<0.1	10
			49160	2-3 py	265.0	266.0	100	95	68	<0.1	10
	266.0	END OF HOLE									

DIAMOND DRILL RECORD

HOLE NUMBER: DT-21-88

NAME OF PROPERTY: Daniel
HOLE NO.: DT-21-88 LENGTH: 350.0 meters
LOCATION: Claim No. 374016-2/374017-2
LATITUDE: 5+75N DEPARTURE: L3+00E
ELEVATION: AZIMUTH: S 210 deg. DIP: -48°
STARTED: April 25/88 FINISHED: May 2/88

LOGGED BY: Les Kovacs
CONTRACTOR: Bradley Bros. Limited
REMARKS:

ACID DIP

METERS	DIP degrees	DIP L/L degrees	METERS	DIP degrees	DIP L/L degrees
27.0	-48		100.0	-47	
200.0	-43		300.0	-42	

FOOTAGE (meters) FROM	TO	DESCRIPTION	SAMPLE No.	% Sulph	Footage From	To	Total (cm)	ASSAYS Cu ppm	Zn ppm	Ag ppm	Au ppb
0.0	27.0	CASING									
27.0	103.7	VERY SILICIFIED - CHERTY - FELSIC-INTERMEDIATE VOLCANIC - FRAGMENTAL									
		Unit is aphanitic, massive, dark brownish-green with local bluish-purple tint. Local lighter brown-beige cherty sections.	49441		27.0 whole rock						
		Unit is very hard and very silicified and cherty, with local sections of soft chlorite bands, patches. Irregular vein/veinlets also chlorite clots, spotting common.									
		Micro-fractures, veinlets/irregular veins with quartz-carbonate infill.									
		Near indistinct, ghost like light grey to beige to brown siliceous - cherty fragments common. Chlorite patches/fragments also common throughout.	49161	tr-1 py	29.0	30.0	100	48	55	0.2	10
			49162	tr-1 py	40.0	41.0	100	50	50	0.1	5
			49163	tr-1 py	51.0	52.0	100	60	85	<0.1	10
		Tr-1% very finely disseminated pyrite. Tr-<1% pyrrhotite as stringers and patches.	49164	tr-1 py	64.0	65.0	100	27	145	<0.1	10

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		"Shear"									
		71.0-76.3 530cm sheared host rock unit. Very well foliated at 40° to core angle. Unit is light to medium grey to greenish grey hard and siliceous with siliceous and cherty fragments in a siliceous -chloritic matrix.	49165	4-6 py	71.0	72.0	100	21	81	<0.1	10
			49166	4-6 py	72.0	73.0	100	25	89	<0.1	5
			49167	4-6 py	73.0	74.0	100	34	113	0.1	5
			49168	4-6 py	74.0	75.0	100	21	77	0.1	5
		Unit not weathered - still intact with 3-5% pyrite as clots and bands and patches along foliation and 5-8% locally.	49169	4-6 py	75.0	76.0	100	34	158	0.3	5
			49170	4-6 py	76.0	77.0	100	55	155	0.2	5
		93.0-97.0 Host rock unit mildly sheared with more distinct fragments and fragments stretched along foliation. Siliceous and cherty fragments in a siliceous - chloritic matrix with 3-5% diss. and clumps, pyrite 5-8% locally. Generally in or around chlorite fragments/patches.	49171	4-6 py	93.0	94.0	100	48	58	<0.1	5
			49172	4-6 py.	94.0	95.0	100	88	58	<0.1	5
			49173	4-6 py	95.0	96.0	100	45	56	<0.1	5
			49174	4-6 py	96.0	97.0	100	73	63	0.1	5
		97.1-98.4 130cm quartz feldspar porphyry intercollation - sharp but irregular upper and lower contacts. 1-2% disseminated pyrite.									
		101.6-103.1 150cm massive olive green cherty appearing schistose section with abundant micro -fractures with quartz and carbonate infill. Tr sulphides.	49175	tr sul	101.0	102.0	100	49	47	<0.1	5
			49176	tr sul	102.0	103.0	100	8	34	0.1	<5
103.7	108.0	QUARTZ, FELDSPAR, PORPHYRY									
		Unit is medium to coarse grained, massive, medium to dark grey with whitish quartz + feldspar phenocrysts to 5mm diameter. Occasional sections bluish-grey quartz eyes to 4mm diameter.	49444		103.7	108.0 whole rock					
		Dark grey siliceous matrix; occasional micro-fractures with quartz + carbonate infill.									
		Tr to 1% pyrite as individual clasts.									
		Sharp upper contact at 40° to core angle.									
		104.6-105.0 40cm host rock unit with rubble in sharp fragment - no weathering. No alteration. Tr to 1% disseminated pyrite.	49177	tr-1 py	104.5	105.1	60	17	60	0.1	<5
108.0	128.7	FELSIC-INTERMEDIATE-VOLCANIC CRYSTAL TUFF?									
		Unit is aphanitic, massive to very weakly foliated. Light to medium grey to greenish-grey. Light to dark grey cherty sections with occasional brownish -beige-bluish-purple siliceous sections. As above. Massive, very siliceous throughout unit. Micro-fractures with quartz-carb infill. Common. Round	49442		108.0	122.0 whole rock					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		to subrounded quartz eyes from 1 to 5mm common throughout unit, no apparent alignment, very sporadic arrangement (crystal tuff). Chlorite bands and patches frequent. 3-5% to 5-8% locally banded and disseminated pyrite with tr-<1% pyrrhotite and sphalerite and tr chalcopyrite. As clots, stringers and disseminations.									
		108.0-122.0 Crystal tuff unit with quartz eyes to 5mm - light to medium grey - occasional greenish tint; cherty sections 4-6% banded pyrite to 1cm wide at 35 to 45° to core angle. Also tr-<1% stringer and clots sphalerite and tr-<1% pyrrhotite and tr chalcopyrite.	49178	4-6 py	108.0	109.0	100	64	64	0.3	<5
			49179	tr spy tr pyrr	109.0	110.0	100	55	60	0.2	<5
			49180	"	110.0	111.0	100	83	178	0.3	<5
			49181	"	111.0	112.0	100	36	152	0.1	5
			49182	"	112.0	113.0	100	28	131	0.2	<5
			49183	"	113.0	114.0	100	38	139	<0.1	<5
			49184	4-6 py tr-1 sph + pyrr tr cpy	114.0	115.0	100	65	372	0.3	<5
			49185	"	115.0	116.0	100	64	1485	0.3	<5
			49186	"	116.0	117.0	100	66	571	0.4	<5
			49187	"	117.0	118.0	100	64	121	0.2	<5
			49188	4-6 py tr pyrr	118.0	119.0	100	65	72	0.1	10
			49189	"	119.0	120.0	100	25	72	0.3	5
			49190	"	120.0	121.0	100	51	69	0.2	<5
			49191	"	121.0	122.0	100	65	93	0.1	<5
		125.0-128.0 Host rock unit in fragment - no weathering but unit is fragmental with siliceous and quartz fragment with a silicified and chloritic matrix and 3-5% disseminated and stringer pyrite.	49192	3-5 py	125.0	126.0	100	152	119	0.3	10
			49193	3-5 py	126.0	127.0	100	117	111	0.3	5
			49194	3-5 py	127.0	128.0	100	81	172	0.2	10
128.7	131.1	ALTERED CHLORITIZED MAFIC VOLCANIC - GABBRO DIKE?									
		Unit is aphanitic to very fine grained, massive, dark green, soft and chloritized with light green streak. Lighter green indistinct epidote? spotting prolific and common throughout unit. Unit is not magnetic.	49443		128.7	131.1 whole rock					
		Micro-fractures and irregular veinlets with quartz-carbonate infill common.									
		Sharp but irregular upper and lower contact with aphanitic (chilled margin) for 3-5cm both contacts. Tr to 1% disseminated pyrite.	49195	tr-1 py	129.0	130.0	100	99	76	0.1	<5
131.1	136.4	QUARTZ, FELDSPAR, PORPHYRY									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		As before at 103.7-108.0. 1-2% very finely diss pyrite. Greyish-blue quartz eyes to 4mm locally. Micro-fractures and patches epidote infill common.	49445		131.1	136.4 whole rock					
		Greyish-blue quartz eyes to 4mm locally.									
		Micro-fractures and patches epidote infill common.	49196	1-2 py	133.0	134.0	100	36	54	<0.1	<5
136.4	145.8	FELSIC-INTERMEDIATE VOLCANIC CRYSTAL TUFF									
		Unit as before at 108.0-128.7.									
		Unit is well foliated at 30 to 45° to core angle (possible bedding plane and foliation). Locally other sections massive - very schistose where foliated.	49446		136.4	145.8 whole rock					
		In foliated section quartz eyes stretched and elongated along foliation. In massive sections quartz eyes to 3-4mm diameter.									
		Occasionally cherty appearing sections - siliceous.									
		Chlorite patches and bands common throughout unit. Micro-fractures with quartz and carbonate infill. 3-5% pyrite as bands, patches, clumps and stringers 5-8% locally.									
		136.4-140.0 Host rock unit mildly foliated at 30-45° to core angle with quartz eyes. Schistose and 5-8% banded and stringer and clumps and disseminated pyrite. Very lightly and evenly chloritized throughout.	49197	5-8 py	136.0	137.0	100	61	139	0.1	<5
			49198	5-8 py	137.0	138.0	100	63	212	0.4	10
			49199	5-8 py	138.0	139.0	100	144	195	0.5	15
			49200	5-8 py	139.0	140.0	100	72	198	0.3	10
		140.0-145.8 Host rock unit less foliated. More massive sections and 1-2% disseminated pyrite and occasional fragments of silicified felsic - intermediate volcanic as at 27.0-103.7.	49201	1-2 py	142.0	143.0	100	46	249	0.2	<5
			49202	1-2 py	143.0	144.0	100	46	247	0.2	<5
			49203	1-2 py	144.0	145.0	100	44	283	0.2	<5
			49204	1-2 py	145.0	146.0	100	20	98	0.1	<5
145.8	153.9	QUARTZ, FELDSPAR, PORPHYRY	49447		145.8	153.9 whole rock					
		Very generally as before but unit host near indistinct quartz and feldspar phenocrysts to 5mm diameter in a medium grey - siliceous matrix. Chlorite blebs between phenocrysts.									
		Occasional epidote and quartz-carbonate micro-fracture infill.	49205	1-2 py	148.0	149.0	100	14	119	0.2	<5
		1-2% disseminated pyrite.									
		150.1-150.9 Altered medium to coarse grained gabbro dike/fragment with large (5-6mm) long acircular hornblende and chlorite grains (non-magnetic).									

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		151.6-152.4 Felsic-intermediate cherty fragmental intercollation - mottled with cherty bands and patches with chlorite and quartz eyes - some to 10mm diameter - quartz eyes are rounded to subrounded. Tr - 1% disseminated pyrite.									
		152.4-153.9 Host rock unit with dark grey siliceous matrix - with chlorite and epidote between quartz and feldspar phenocrysts.									
153.9	182.1	INTERMEDIATE VOLANIC TUFF									
		As before at 136.4-145.8 but unit appears more heavily but evenly chloritized. Medium to dark greenish-grey with sections more greyish or greenish than others.	49448		153.9	174.0					
						whole rock					
		Quartz eyes from 1 to 5mm common but sporadic occurrence.									
		Unit locally schistose.									
		Micro-fractures with quartz-carbonate infill common.									
		Unit is generally massive but sections are mildly foliated at 35 to 45° to core angle with quartz eyes along foliation (elongated) and occasional heavier dark green chlorite patches throughout unit.									
		Brownish-purple-grey silicified felsic - intermediate volcanic fragments after 165.0m.									
		2-3% banded and stringer and disseminations and clumps pyrite throughout unit 3-4% locally.									
		153.9-157.0 Shear? Host rock unit is fragmental with quartz, chlorite and beige to brown cherty fragments in a mottled fashion with a general foliation of 40-45° to core angle. 2-3% diss. and clumps pyrite usually associated with chlorite bands and fragments. Section is very schistose.	49206	2-3 py	153.0	154.0	100	14	57	0.1	<5
			49207	2-3 py	154.0	155.0	100	12	76	0.1	<5
			49208	2-3 py	155.0	156.0	100	14	69	<0.1	<5
			49209	2-3 py	156.0	157.0	100	57	56	<0.1	10
		157.0-174.0 Host rock unit is evenly chloritized with a greenish-grey tint. 2-3% disseminated pyrite. Local siliceous and cherty sections.	49210	1-3 py	160.0	161.0	100	44	51	0.1	<5
			49211	1-3 py	164.0	165.0	100	14	51	<0.1	<5
			49212	1-3 py	170.0	171.0	100	44	71	0.1	<5
			49213	1-3 py	173.0	174.0	100	83	153	0.1	<5
		174.0-182.1 Shear? Host rock unit very well foliated at 55° to core angle Very banded with chlorite and cherty bands (beige, brown and olive green) locally fragmental with quartz and quartz-carbonate subangular to angular fragments. Unit is very schistose with shiny-waxy-smooth fracture	49449		174.0	182.1					
						whole rock					
			49214	2-3 py	174.0	175.0	100	55	109	<0.1	<5
			49215	2-3 py	175.0	176.0	100	51	107	0.4	<5
			49216	2-3 py	176.0	177.0	100	66	61	<0.1	20
			49217	2-3 py	177.0	178.0	100	136	75	0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		surface.	49218	2-3 py	178.0	179.0	100	88	82	0.3	<5
			49219	2-3 py	179.0	180.0	100	91	87	0.1	<5
			49220	2-3 py	180.0	181.0	100	70	106	0.2	<5
			49221	2-3 py	181.0	182.0	100	101	90	0.2	5
		Fine quartz eyes to <1mm throughout altered unit. Unit is generally less chloritic with chlorite occurring as heavy bands along foliation with cherty bands. 2-3% disseminated and stringer pyrite, 3-5% locally generally in sections with cherty chloritic fragments.									
182.1	182.9	MAFIC VOLCANIC/GABBRO DIKE?									
		As before at 150.1-150.9. Fine to medium grained, dark green, massive. Non-magnetic.									
		Sharp but irregular upper and lower contacts.									
182.9	184.2	GABBRO DIKE?									
		Unit is mildly sheared - very well foliated to 35° to core angle, dark green to greeny-black, reasonably soft (very chloritized) with prolific magnetite grains to 1mm diameter stretched along foliation. Unit is very magnetic. Sharp upper contact at 35° to core angle.									
		183.7 2cm very vuggy section/fault gouge? Slightly weathered with 8-10% very finely disseminated pyrite.	49222	4-6 py	183.5	184.0	50	195	120	0.1	15
184.2	184.8	INTERMEDIATE - MAFIC DIKE?									
		As at 182.1-182.9.									
		184.3 Dike unit with quartz + carbonate patches with tr-1% disseminated pyrite.	49223	tr-1 py	184.2	184.5	30	59	120	<0.1	<5
184.8	188.2	PORPHYRITIC GABBRO/POLKA-DOT GABBRO??									
		Unit is medium to coarse grained, massive, dark green to greeny black. Unit has greeny black siliceous mafic matrix with light whitish-green tint phenocrysts of quartz and feldspar to 10mm diameter, rimmed or infilled in centers with epidote; occasional sections with epidote patches and micro-fracture infill.	49450		184.8	188.2 whole rock					
		Unit is non-magnetic.									
		tr-<1% disseminated pyrite.									
		186.5-186.6 10cm long, 1cm wide quartz vein at 8° to core angle with tr sulphides.	49224	tr sul	186.3	186.7	40	29	63	0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
188.2	194.2	ALTERED - QUARTZ, FELDSPAR, PORPHYRY									
		As before at 145.8-153.9. Unit is light to medium grey to greyish-beige tint. Phenocrysts of quartz and feldspar near indistinct, massive.	49451		188.2	194.2 whole rock					
		Frequent pink k-spar altered xenoliths/fragments, to 30cm long with sharp low angle upper and lower contacts.									
		Tr to 1% disseminated pyrite.									
		188.2-188.7 Pink k-spar altered xenolith/frag.									
		189.2-189.6 Pink k-spar altered xenolith/frag.									
			49225	tr-1 py	191.0	192.0	100	53	51	<0.1	<5
		193.4-193.6 Pink k-spar altered xenolith/frag.									
		194.0-194.2 20cm pink k-spar altered xenolith/ fragment with 2-3% py disseminated with minor biotite (hornblende)	49226	1-2 py	194.0	194.3	30	220	105	0.2	<5
194.2	204.0	GABBRO									
		As at 182.9-184.2 but unit is not sheared. Unit is fine to medium grained, variable throughout unit. Massive dark green to greeny black, light epidote spotting locally. Micro-fractures with quartz-carbonate and epidote infill. Unit is very magnetic with visible magnetite grains. Numerous pink k-spar altered xenoliths/fragments to 30cm long with sharp low angle upper and lower contacts.	49452		194.2	204.0 whole rock					
		Also quartz, feldspar, porphyry xenoliths/fragments common.									
		Upper and lower contacts of gabbro unit. Fine grained. Chilled margin.									
		Occasional chlorite patches and bands.									
		2-3% disseminated and clumps pyrite.									
		194.4-195.5 110cm very fine to fine grained host rock unit (chilled margin) with 4-6% very finely disseminated pyrite.	49227	4-6 py	194.3	195.5	120	294	118	0.3	5
		195.5-197.1 Quartz, feldspar, porphyry intercollation with pink - k-spar altered xenolith at 196.6-196.9. Sharp low angle upper and lower contacts.									
		198.1-198.6 Host rock unit with epidote patch with 4-6% very finely disseminated pyrite and to 1% chalcopyrite as clumps to .5mm diameter.	49228	4-6 py 1 cpy	198.1	198.6	50	164	90	0.2	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		199.8-200.0 Pink k-spar altered xenolith with sharp upper and lower contacts - low angle.									
		200.2-201.0 Host rock unit with 3-5% disseminated pyrite with a 2cm epidotized fault gouge with minor gouge material and quartz patches/fragments and 3-5% disseminated pyrite.	49229	3-5 py	200.2	201.0	80	228	64	0.3	<5
		202.2-202.6 40cm pink k-spar altered xenolith with sharp low angle upper and lower contacts with epidote rimming.									
		203.1-203.6 50cm pink k-spar altered xenolith "as above".									
204.0	208.1	QUARTZ, FELDSPAR, PORPHYRY									
		As before. Very distinct quartz, feldspar, phenocrysts in a medium grey siliceous matrix. Feldspar phenocrysts rectangular to 4mm long. Occasional pinkish-white k-spar alteration. Biotite (hornblende) specks throughout matrix. Occasionally rectangular. Tr to <1% disseminated and clumps pyrite.	49453		204.0	208.1 whole rock					
		206.7-206.9 30cm chloritic mafic volcanic xenolith /fragment - sharp upper and lower contacts.									
208.1	211.6	GABBRO									
		As before at 194.2-204.0. Occasional chlorite bands and patches. Numerous quartz feldspar porphyry xenoliths, some with k-spar alterated phenocrysts. Fine epidote spotting and micro-fracture infill common throughout unit.									
		2-4% disseminated and stringer pyrite, 3-5% locally.	49230	3-5 py	210.0	211.0	100	149	90	0.1	<5
		Unit very magnetic with visible magnetite grains to .5mm diameter.									
211.6	215.2	QUARTZ, FELDSPAR, PORPHYRY									
		Very generally as before (204.0-208.1). Very distinct phenocrysts quartz and feldspar.									
		Biotite (hornblende) specks and grains throughout unit.									
		Tr - <1% disseminated pyrite. Core somewhat blocky but not altered or weathered.									
215.2	238.4	GABBRO									
		As before at 208.1-211.6. Unit is very magnetic.	49454		215.2 whole rock	238.4					

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		Chlorite and epidote bands and patches common throughout unit. Occasional near indistinct garnets to 1mm diameter.									
		Abundant quartz feldspar porphyry intercollations/ xenoliths to 60cm long.									
		Also occasional chloritic mafic volcanic intercollation/xenoliths - occasional reddish-brown magnetite-hematite? staining.									
		2-3% disseminated and stringer pyrite gneerally as micro-fracture infill with epidote and in and around chlorite and epidote bands and patches.									
		218.7 1cm quartz vein at 40° to core angle with 1-2% clumps pyrite.	49231	1-2 py	218.6	218.9	30	100	106	<0.1	<5
		219.2-219.7 50cm altered quartz feldspar porphyry - indistinct grains 2-3% disseminated pyrite, sharp lower contact at 35° to core angle.									
		219.7-221.4 Mafic volcanic intercollation, well foliated at 35° to core angle - very chloritic with graphic chlorite stringers. Sharp upper and lower contacts 35° to core angle.									
		221.4-222.7 Quartz, feldspar, porphyry intercollation. Minor k-spar alteration - specks and grains biotite (hornblende and chlorite)									
		222.7-222.8 10cm gabbro host rock unit with quartz patches and micro-fractures with epidote and pyrite infill. 5-8% pyrite as micro-fracture infill and disseminations.	49232	3-5 py	222.6	223.0	40	92	87	<0.1	<5
		223.8-224.9 *223.8 2cm shear/fault gouge with minor fault gouge material at contact of quartz feldspar porphyry xenolith and mafic volcanic (sheared) intercollation. Mafic volcanic intercollation very well foliated at 40° to core angle. 2cm fault gouge with 3-5% stringer and disseminated pyrite.	49233	3-5 py	223.7	224.0	30	97	92	0.1	<5
		225.7 2cm bluish-white quartz vein at 55° to core angle with minor epidote and 4-6% clumps and disseminated pyrite.	49234	3-5 py	225.6	225.9	30	204	112	0.2	<5
		228.3-28.7 40cm host rock unit with several quartz veinlets and quartz patches with epidote rimming of quartz and abundant epidote micro-fracture infill. Also with 5-8% very finely disseminated pyrite.	49235	3-5 py	228.3	228.7	40	84	60	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		231.2-231.6 40cm quartz feldspar porphyry xenolith - pink k-spar alteration sharp but irregular upper and lower contacts.									
		232.8-233.6 80cm quartz feldspar porphyry xenolith with mafic volcanic and gabbro fragments to 10cm dia. (angular) sharp but irregular upper and lower contacts.									
		233.8-234.4 Quartz, feldspar, porphyry xenolith - sharp but irregular upper and lower contacts.									
		236.6-237.5 90cm very chloritized mafic-volcanic intercollation with ghost quartz rounded fragments. Sharp but irregular upper and lower contacts with host rock.									
238.4	350.0	QUARTZ, FELDSPAR, PORPHYRY									
		As before at 211.6-215.2.									
		238.4-240.5 Quartz, feldspar, porphyry unit with dark green siliceous mafic matrix with 2-3mm very distinct cubic feldspar phenocrysts with occasional sections of pink k-spar alteration.	49455		238.4	240.5 whole rock					
		After 240.5 unit has a whitish-grey to beige siliceous matrix with well defined quartz + feldspar phenocrysts with local sections of biotite (hornblende) and chlorite and epidote as specks and grains.	49456		240.5	275.0 whole rock					
		1-3% disseminated pyrite throughout unit.									
		247.3 1cm quartz vein at 50° to core angle with 5-8% disseminated pyrite and 1-2% galena (disseminated)	49236	2-3 py tr-1 gal	247.2	247.5	30	111	52	0.1	<5
		250.7 1cm quartz vein at 50° to core angle with 2-3% disseminated pyrite.	49237	1-2 py	250.6	250.9	30	97	97	<0.1	<5
		252.8-255.2 240cm bleached gabbro? intercollation. Unit is fine grained with epidote? feldspar spotting throughout unit. Medium green, very lightly and evenly chloritized. Non-magnetic. Tr sulphides. Lower contact at 255.2 at 50° to core angle with a 1cm light green quartz, carbonate, fuchite vein /band which is very schistose and 3% chalcopyrite as 2 large clumps to 5cm diameter.	49238	2-3 py 1 cpy	255.0	255.3	30	73	76	<0.1	<5
		256.1 3cm quartz-tourmaline vein/patch with 1-2% disseminated pyrite with a 3cm bleached zone either side of vein/patch with 5-8% disseminated pyrite.	49239	3-5 py	256.0	256.3	30	31	28	0.1	40

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		256.8 2cm quartz - carbonate - tourmaline vein at 45° to core angle with 1-2% disseminated pyrite and 5-8% disseminated pyrite around vein.	49240	3-5 py	256.7	257.0	30	19	43	<0.1	10
			49241	2-3 py	262.0	263.0	100	35	60	<0.1	<5
		264.5 2cm quartz - minor tourmaline vein at 60° to core angle with tr-<1% disseminated pyrite and a 10cm bleached zone either side of vein with 8-10% yellowish pyrite disseminations and a clump to 5mm diamter.	49242	6-8 py	264.3	264.8	50	25	26	0.1	<5
		265.4-265.5 2 x 1cm quartz veins at 50° to core angle with 1-2% disseminated pyrite and a 5cm bleached zone either side of veins with 3-5% disseminated pyrite.	49243	2-3 py	265.3	265.6	30	88	32	0.2	10
		267.2-267.4 20cm quartz - tourmaline vein at 75° to core angle with minor chlorite/epidote schistose veinlets carrying approx. 5-8% very finely disseminated pyrite and a 10cm bleached zone either side of vein with 5-8% disseminated pyrite.	49244	4-6 py	267.0	267.6	60	78	34	0.4	715
		269.1-269.5 Several quartz patches with 1-2% disseminated pyrite in a 40cm semi-bleached zone with 3-5% disseminated pyrite.	49245	2-4 py	269.0	269.6	60	39	53	0.1	<5
		271.15 2cm quartz vein at 65° to core angle with 10-15% disseminated and clumps yellowish-brown pyrite.	49246	5-8 py	271.0	271.3	30	34	47	<0.1	<5
		277.7 2cm quartz vein at 25° to core angle with 8-10% yellowish-brown cubic and clumps pyrite.	49247	3-5 py	277.5	277.9 re-assayed	40 (opt)	878	36	0.7	9870 0.741
		288.4 1cm fault gouge with fault gouge material at 35° to core angle with 2-4% disseminated pyrite.	49248	2-3 py	280.1	280.7	60	23	57	0.1	10
		285.7 1cm quartz and tourmaline vein/patch with 3-5% disseminated pyrite in tourmaline component and a 10cm bleached zone either side of vein/ patch with 3-5% very finely disseminated pyrite.	49249	2-3 py	285.5	286.0	50	139	35	0.2	250
		292.5-292.7 20cm very chloritic mafic volcanic xenolith; schistose, tr sulphides, sharp upper and lower contact at 35° to core angle.									
		294.1 6 cm quartz vein at 55° to core angle with 2-3% clumps pyrite and 1-2% chalcopyrite as clumps.	49250	1-2 py tr-1 cpy	293.9	294.3	40	46	54	<0.1	40
		295.3-294.4 10cm quartz vein at 85° to core angle with 2-3% disseminated pyrite, tr chalcopyrite?	49251	1-2 py	295.2	295.6	40	26	39	<0.1	5
		295.9 1cm quartz vein at 90° to core angle with 15-20% brownish-yellow pyrite as clumps.	49252	3-5 py	295.8	296.1	30	14	63	<0.1	<5

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		300.05-300.2 15cm long, 1cm wide greyish-blue quartz vein at 15° to core angle with 3-5% disseminated pyrite.	49253	2-3 py	300.0	300.3	30	30	54	<0.1	<5
		300.3-301.4 110cm host rock unit with many quartz vein/patches with epidote rimming and epidote patches and bands. Quartz patches vuggy with epidote and pyrite infill. 2-3% disseminated pyrite in altered host rock and quartz patches.	49254	2-3 py	300.3	301.4	110	10	47	0.1	<5
		301.65 5cm very vuggy quartz vein/patch with a 2cm large vug with epidote and pyrite infill. 2-3% very finely disseminated pyrite.	49255	2-3 py	301.6	301.9	30	10	34	<0.1	<5
		302.2-302.7 50cm quartz, very minor tourmaline vein at 90° to core angle (upper contact) and 50° to core angle (lower contact) with 5-8% yelowy-brown pyrite as clumps and cubes and disseminated cubes to 1.0cm dia. Tr - <1% cpy? with a 30cm bleached zone with 3-5% disseminated pyrite.	49256	5-8 py tr-<1 cpy	302.0	303.0	100	20	25	0.2	40
		303.0-305.0 200cm bleached host rock unit with 3-5% disseminated and cubic and clumps pyrite and a 6cm quartz vein at 304.25 with 5-8% disseminated and clumps pyrite and many quartz patches in host rock.	49257	4-6 py	303.0	304.0	100	13	18	<0.1	140
			49258	4-6 py	304.0	305.0	100	17	30	<0.1	135
		A 20cm quartz-tourmaline vein at 305.5-305.7 - 75° to core angle with 5-8% disseminated and clumps pyrite.									
		307.1 2cm quartz, tourmaline and minor carbonate vein at 45° to core angle with 1-2% disseminated pyrite and a 10cm bleached zone on either side of vein with 5-8% disseminated and cubic pyrite.	49259	5-8 py	306.9	307.3	40	19	22	0.1	145
		307.65 2cm greyish quartz vein at 45° to core angle with 3-5% disseminated pyrite.	49260	2-3 py	307.5	307.8	30	10	31	<0.1	10
		309.9-310.1 20cm greyish-blue quartz vein at 60° to core angle with 8-10% disseminated and clumps yellowish pyrite with minor bleached zone patches from 309.5 - 310.3.	49261	5-8 py	309.5	310.3	80	8	35	<0.1	10
		311.0 5cm quartz-tourmaline vein at 55° to core angle with 8-10% pyrite as clumps to 1cm wide and a 50cm bleached zone at top of vein and a 10cm bleached zone at bottom of vein with 3-5% disseminated pyrite.	49262	5-8 py	310.5	311.2 re-assayed	70 (opt)	12	22	0.1	3570 0.213
		312.0 3cm quartz-tourmaline vein at 90° to core angle with 3-5% disseminated pyrite with a 5cm	49263	3-5 py	311.8	312.2 re-assayed	40 (opt)	21	35	0.1	1105 0.039

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		bleached zone either side of vein with 3-5% disseminated pyrite.									
		312.4 2cm quartz - minor tourmaline vein at 90° to core angle with 3-5% disseminated pyrite with an 8cm bleached zone either side of vein with 3-5% disseminated pyrite.	49264	2-4 py	312.2	313.4	120	22	41	<0.1	410
		312.7-313.4 70cm bleached zone with minor quartz and tourmaline veinlets to .5cm with 20% disseminated pyrite in bleached zone.									
		314.9 7cm quartz-tourmaline vein at 35° to core angle with 8-10% yellowish pyrite as cubes and clumps to 1cm width with a 20cm bleached zone at upper contact with 3-5% disseminated pyrite.	49265	5-8 py	314.6	315.1 re-assayed	50 (opt)	252	37	0.3	3645 0.111
		315.7 1cm quartz - minor tourmaline vein at 90° to core angle with 1-2% pyrite and a 3cm bleached zone either side of vein with 2-3% disseminated pyrite.	49266	1-3 py	315.6	315.9	30	240	50	0.1	235
		315.9-316.7 80cm bleached zone with minor quartz veinlets along core axis. 2-3% disseminated pyrite in bleached zone.	49267	2-3 py	315.9	316.7	80	219	29	<0.1	300
		317.1-317.4 30cm bleached section with 2-3% disseminated pyrite.	49268	2-3 py	317.0	317.4	40	24	43	<0.1	670
		318.1 2cm quartz-tourmaline minor carbonate vein at 40° to core angle with 10-12% yellowish-brown cubic and clumps pyrite to 1cm width with a 10cm bleached zone either side of vein with 3-5% disseminated pyrite.	49269	8-10 py	317.9	318.3	40	67	51	<0.1	420
		319.0 .5cm tourmaline - quartz vein at 60° to core angle with 5-8% cubic pyrite and a 5cm bleached zone either side of vein with 2-3% disseminated pyrite.	49270	3-5 py	318.9	319.2	30	13	57	<0.1	100
		319.4 8cm quartz - minor tourmaline vein at 50° to core angle with 5-8% cubic pyrite with 30cm bleached zone at lower contact with 5-8% disseminated pyrite.	49271	4-6 py	319.2	319.9 re-assayed	70 (opt)	21	31	<0.1	19860 1.226
		320.2-320.6 40cm bleached zone with 2-3% disseminated pyrite and a .5cm quartz-carbonate vein at 35° to core angle with 5-8% cubic and clumps pyrite at 320.4.	49272	3-5 py	320.2	320.6	40	32	27	<0.1	110
		321.2-321.5 30cm quartz - tourmaline vein 85-90° to core angle with 2-3% clumps pyrite and a 5cm	49273	2-3 py	321.1	321.6	50	19	19	<0.1	755

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		bleached zone either side of vein with 2-3% disseminated pyrite.									
		323.0 3cm quartz - very minor tourmaline vein at 20° to core angle with 3-5% yellowish brown cubic and clumps pyrite with a 5cm bleached zone either side of vein with 2-3% disseminated pyrite.	49274	2-3 py	322.9	323.2	30	83	23	0.1	280
		325.7-326.9 20cm greyish quartz vein at 60° to core angle with 8-10% disseminated and banded pyrite.	49275	5-8 py	325.6	326.0	40	20	39	<0.1	30
		328.0-328.6 60cm semi-bleached zone with 2-3% disseminated and clumps pyrite and a 1cm fault gouge with a 1cm quartz vein at 328.3 at 60° to core angle with 10-2% disseminated pyrite - minor gouge material.	49276	2-3 py	328.0	328.6	60	22	28	<0.1	40
		329.0 11cm whitish quartz minor tourmaline vein at 60° to core angle with tr-1% disseminated pyrite and a semi-bleached zone for 10cm either side of vein with 3-5% py.	49277	2-3 py	328.7	329.2	50	16	14	0.1	20
		329.2-330.1 90cm semi-bleached host rock unit with several micro-fractures with tourmaline infill at 60° to core angle and occasional quartz patches and veinlets. 2-3% disseminated pyrite in bleached zone.	49278	2-3 py	329.2	330.1	90	52	24	<0.1	10
		335.1 5cm white quartz vein/patch. Tr-<1% diss. sulphides.	49279	1-2 py	335.0	335.3	30	42	49	<0.1	<5
		335.9-336.7 80cm bleached zone with 3-5% diss. and clumps pyrite. Very minor quartz veinlets and minor fuchite?	49280	3-5 py	335.8	336.8	100	120	40	<0.1	120
		338.0 8cm quartz - tourmaline vein at 90° to core angle with 1-2% disseminated pyrite and a 10cm bleached zone either side of vein with 5-8% very yellowish cubic and clumps pyrite.	49281	3-5 py	337.8	338.3	50	80	26	<0.1	65
		343.8 1cm quartz - minor tourmaline vein at 30° to core angle with 1-2% disseminated pyrite and a 5cm bleached zone either side of vein with 2-3% disseminated pyrite.	49282	1-3 py	343.7	344.0	30	295	53	<0.1	210
		345.9-346.7 80cm host rock unit - very blocky with angular fragments - minor weathering and quartz fragments and veinlets with 2-3% disseminated pyrite.	49283	2-3 py	345.8	346.8	100	29	57	<0.1	65
		347.2 2cm tourmaline - quartz vein at 60° to core angle with tr-1% disseminated pyrite and 1 5cm	49284	3-5 py	347.1	347.6	50	32	47	<0.1	110

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
FOOTAGE (meters)				%	Footage			Cu	Zn	Ag	Au
FROM	TO		No.	Sulph	From	To	Total (cm)	ppm	ppm	ppm	ppb
		bleached zone either side of vein with 5-8% cubic and clumps pyrite. 2 x .5cm minor quartz veins at 347.5 and 347.55 with 5-8% cubic yellowish pyrite.									
		348.4-348.5 10cm fault gouge with gouge material and 2-3% very finely disseminated pyrite.	49285	1-3 py	348.3	348.6	30	75	46	<0.1	5
	350.0	END OF HOLE									