DIAMOND DRILLING REPORT

ON THE

YARD 1-9, YARD A & B Fr. CLAIMS

CLINTON MINING DIVISION
N.T.S. 92P-2W
Latitude 51°11'N; Longitude 120°52'W
Owner: Inco Limited
Operator: Canadian Nickel Company Limited
Work done from October 3, 1988 to June 6, 1989

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Project Geologist
Canadian Nickel Company Limited
Vancouver, B.C.
September, 1989

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1.0 SUMMARY

The YARD claims (88 units) are located approximately 65 km north of Savona, British Columbia in the Clinton Mining Division and are owned by Inco Limited. Access to the property is via the Deadman River road which connects to the Trans Canada Highway or via the 3800 logging road easterly from Clinton. A rough 6 km bush road connects the Deadman River road to the 3800 road.

Diamond drilling was conducted on the YARD claims in 1988 and 1989. The drilling program determined a zone of volcanic rocks of possible Eocene age mineralized by chalcedony stockwork veining and chalcedony matrix breccia. The zone is in fault contact with underlying Nicola Croup volcanic rocks and is characterized by pervasive oxidation and low grade gold values. Minimum dimensions of the zone are 120 m long, up to 100 m deep and 200 m wide.

2.0 INTRODUCTION

This report covers work done on the YARD claims during the period October 3, 1988 to June 6, 1989.

2.1 Location, Access, Physiography

The YARD claims are located 65 km north of Savona, 50 km east-northeast of Clinton and 12 km west of Bonaparte Lake in the Clinton Mining Division. They are accessed by two major roads: 1) the Deadman River road 55 km northerly from the Trans Canada Highway and from there by a northeasterly trending rough secondary logging road that cuts diagonally across the claims and 2) the 3800 logging road easterly from Clinton that cuts across the two northern claims. The northeast-trending secondary logging road is about 6 km long and connects the Deadman River Road to the 3800 Road.

The claims occur on a relatively flat plateau northeast of Vidette Lake valley. Maximum relief on the claims is about 100 m and average elevation is about 1150 m a.s.l. The land rises gently to the north and drainage flows to the south and southwest into the Vidette Lake - Deadman River system. Two lakes are present: 1) Enright Lake on YARD 2 claim is 550 m in diameter, stagnant and vegetation-choked; 2) the south side of a similar size unnamed lake is cut by the northern boundary of the YARD 3 claim.

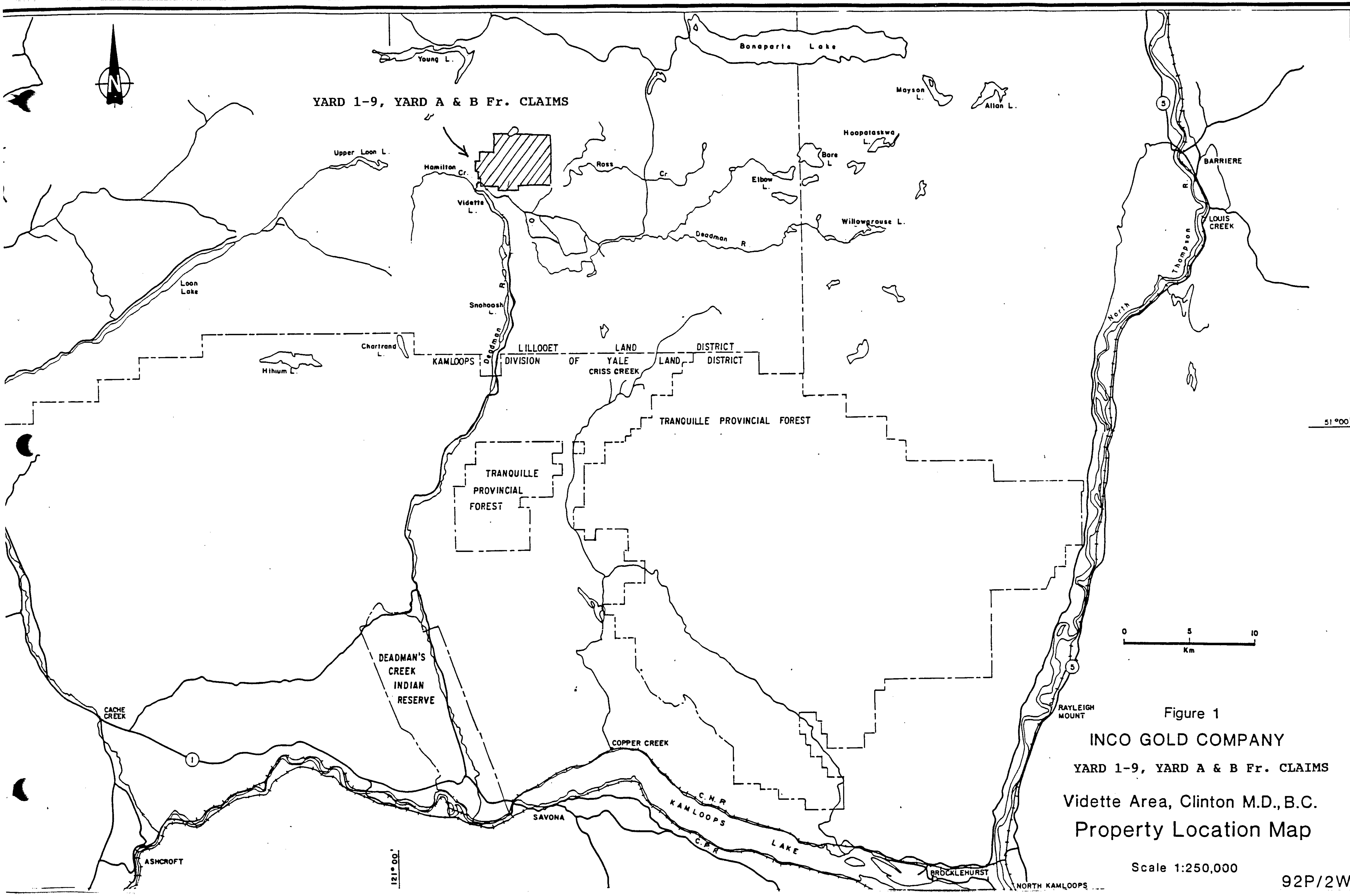

Figure 1

INCO GOLD COMPANY

YARD 1-9, YARD A & B Fr. CLAIMS

Vidette Area, Clinton M.D., B.C.

Property Location Map

Scale 1:250,000

92P/2W

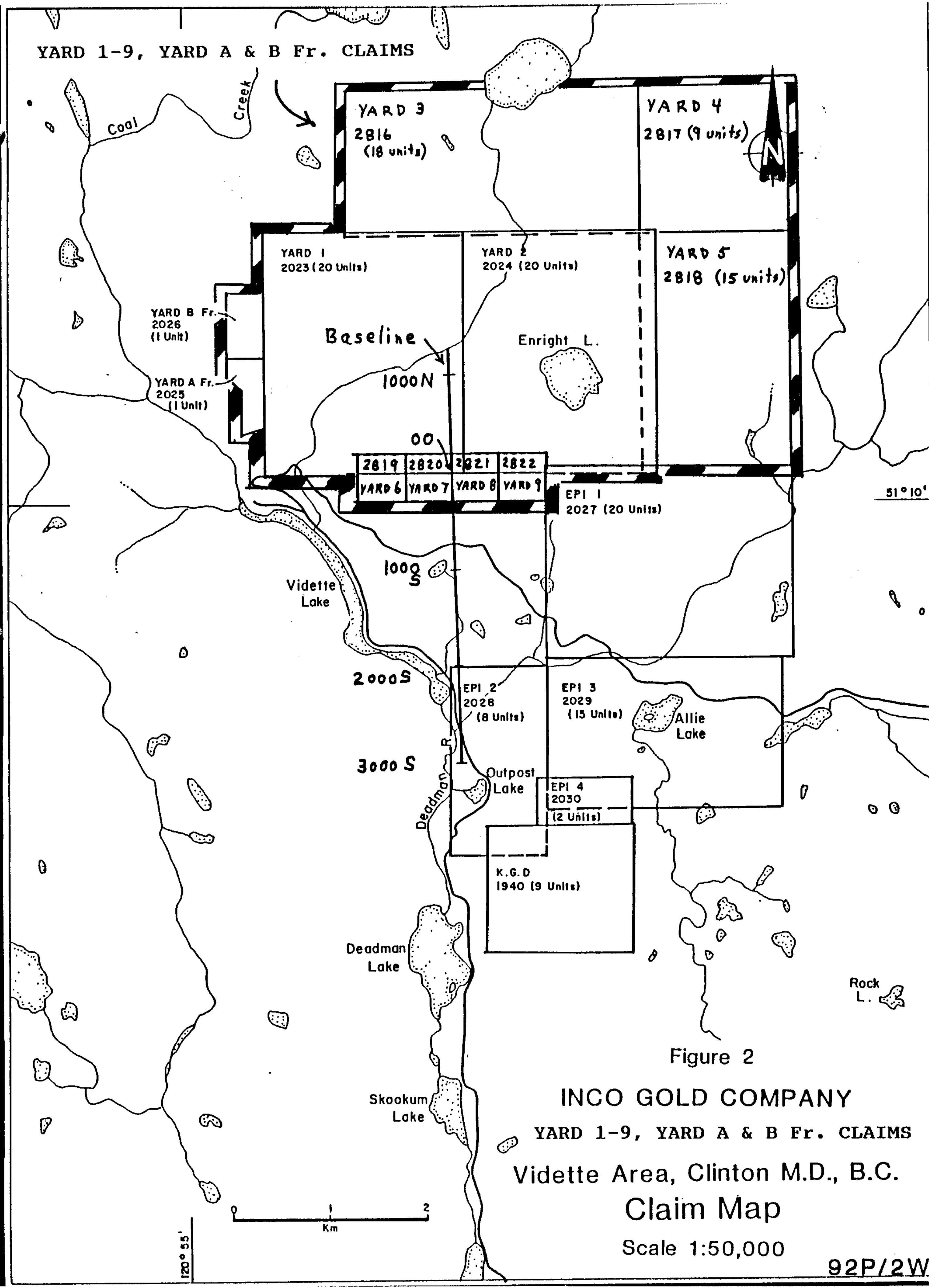

Figure 2

INCO GOLD COMPANY

YARD 1-9, YARD A & B Fr. CLAIMS

Vidette Area, Clinton M.D., B.C.

Claim Map

Scale 1:50,000

2.2 Property Definition

The property consists of the following claims:

Name	Units	Record No.	Date Recorded	Expiry Date
YARD 1	20	2023	July 11, 1986	July 11, 1991
YARD 2	20	2024	July 11, 1986	July 11, 1991
YARD 3	18	2816	December 11/88	December 11/89
YARD 4	9	2817	December 12/88	December 12/89
YARD 5	15	2818	December 14/88	December 14/89
YARD 6	1	2819	December 17/88	December 17/89
YARD 7	1	2820	December 17/88	December 17/89
YARD 8	1	2821	December 17/88	December 17/89
YARD 9	1	2822	December 17/88	December 17/89
YARD A. Fr.	1	2025	July 11, 1986	July 11, 1990
YARD B. Fr.	1	2026	July 11, 1986	July 11, 1990

The claims are owned by Inco Limited. During 1988 and 1989, Canadian Nickel Company Limited, a wholly owned exploration subsidiary of Inco Limited, was the operator.

2.3 Previous Work

No previous work to 1986 is known to have occurred on the YARD claims. In 1986, prospector M. Dickens discovered several outcrops of silicified and clay altered rock cut by veins of chalcedony matrix breccia with variable amounts of fluorite. The claims were subsequently optioned to Inco Limited in 1988. They undertook geological mapping, prospecting, geochemical soil and rock sampling over the southeast and southwest parts of YARD 1 and YARD 2 claims respectively during June and July, 1988 (Morin 1988). Several soil anomalies were defined: 1) an elongate N-NE trending coincident Au±Ag±As±Mo anomaly of 200 m width and 400 m length on the YARD #2 claim; 2) on the YARD #2 and #1 claims, partial coincidence and overlap between an elongate molybdenum zone and spot highs of gold, arsenic and silver along a NE-trending linear drainage cutting grid line OON at 300W; 3) the third anomaly consists of a few erratic gold highs along line 400 N.

Previous work in the area has concentrated on the former Vidette Mine, 350 m southwest of the southwest corner of the YARD 1 claim. During the period 1933 to 1940, the Vidette Mine produced approximately 40,000 oz of gold, 30,000 oz of silver and 100,000 lbs of copper from 55,000 tons of ore (Gruenwald, 1980). Mineralization consists of northwest trending quartz veins with pyrite, chalcopyrite and tellurides and the veins are localized along "fault fractures in the Nicola greenstones" (Cockfield, 1935, p. 30).

The GNOME claim contiguous to the south of YARD 6, 7, 8 and 9 claims, has been explored as a molybdenum prospect in the late 1970's and early 1980's and more recently as a gold prospect by Canadian Nickel Company Limited (Morin, 1989).

2.4 1988-1989 Exploration Program

The 1988-1989 exploration program was carried out by Canadian Nickel Company Limited and contractor Beaupre Diamond Drilling Limited during October 3, 1988 to June 6, 1989. Six holes were drilled totalling 1140.05 m. A total of 1076 core samples, 9 drill sludge samples and 2 saw sludge samples were collected and geochemically analyzed by the ICP method for 30 elements and by atomic absorption for gold.

3.0 REGIONAL GEOLOGY

Upper Proterozoic to Triassic eugeosynclinal sedimentary and volcanic rocks form a northwest trending sequence of rocks within this part of the Intermontane Belt in south-central British Columbia (Bonaparte Lake map-area, N.T.S. 92P - Campbell and Tipper, 1971). They are intruded by two suites of granitic plutonic bodies: the older Thuya and Takomkane Batholiths of Triassic or Jurassic age and the Younger Cretaceous Raft and Baldy Batholiths. Extensive Tertiary volcanic and minor sedimentary rocks overlie much of the older rocks.

Regional structure is dominated by north-northwest trending faults: the Pinchi Fault to the northeast and the Fraser-Straight Creek Fault to the west. Shear zones with related alteration and mineralization are commonly associated with these faults.

4.0 PROPERTY GEOLOGY

Extensive Pleistocene glacial till overburden covers most of the YARD claims and accordingly descriptions of lithology rely heavily on drill core and well exposed outcrops nearby to the south of the YARD claims.

The YARD claims are underlain by late Triassic Nicola Group volcanics that are intruded by granitic rocks of the Triassic or Jurassic Thuya Batholith and overlain by a Cretaceous or Eocene siliceous cap and Miocene sediments and volcanics.

General geology of part of the property is outlined on the borehole location map in Figure 3.

4.1 Geological Units

Late Triassic andesitic lapilli tuff of the Nicola Group are the oldest rocks on the property.Granitic plutonic rocks of the Triassic to Jurassic Thuya Batholith are present. Biotite-hornblende granodiorite intrudes Nicola volcanics in the southeast corner of the YARD #1 claim and is responsible for local contact metamorphism of andesitic tuff to garnet-diopside±actinolite and actinolite tactite.

Locally, a siliceous cap developed near the paleosurface within and overlying the Nicola volcanics. Geothermal activity responsible for formation of the siliceous cap was probably associated with Eocene volcanism.

Siliceous cap rocks occur on the YARD #8 claim in several outcrops on the sides of northerly trending gullies. They are varicoloured (white, red, buff, brown) and include a range of similar-looking rock types varying from those cut by quartz veins to those completely replaced by silica.

Overlying the Nicola volcanics in the eastern part of the YARD claims are local sediments and tuff of the Miocene Deadman River Formation and lava flows of the Plateau Lava, both well exposed at Deadman River Falls, 2 km south of the YARD claims.

4.2 Structure, Alteration and Mineralization

The area is cut by numerous faults and shear zones. Deformation is widespread and especially prominent in rocks of the Nicola Group. They display no primary layering and vary from massive to intensely sheared, the latter especially near faults and shear zones.

Two main northerly trending fault structures are evident: 1) the Central Gully Fault dips steeply east and cuts the Nicola volcanics in vicinity of the baseline and 2) the YARD fault dips moderately east and juxtaposes a footwall of Nicola rocks against a hanging wall block of Eocene (?) felsic volcanic rocks.

Alteration is widespread in rocks underlying the YARD claims. The Nicola volcanics are locally contact metamorphosed to assemblages of actinolite and garnet-diopside-actinolite near the contact with rocks of the Thuya Batholith Suite on YARD #6 and #7 claims.

Regionally, the Nicola volcanics are altered to chlorite-rich calcareous greenstones and range from massive to schistose in texture.

Mineralization consists of chalcedony veins, veinlets and - matrix breccia that preferentially cut the hanging wall block of Eocene (?) felsic volcanics and to a much lesser degree the footwall block of Nicola rocks. Low grade disseminated gold values characterize the mineralized YARD zone.

5.0 DIAMOND DRILLING

5.1 Drill Program

Boreholes are located on Figure 3, logs and analytical results are in Appendices A and B respectively and basic physical data is presented in Table I. The core is stored on the GNOME claim in a meadow depression 200 m south of the YARD 1 and 2 L.C.P.

5.2 Drilling Results

The drilling program started with BH 72456 which encountered highly oxidized volcanic rocks cut by numerous chalcedony veins, chalcedony-cemented breccias and massive limonitic clay seams. The hole bottomed in chlorite - altered Nicola volcanic rocks. The upper sequence of rocks was interpreted by Morin as a sinter zone and the first hole of the 1989 program (BH 72480) was designed to test for the sinter east of BH 72456. The 1989 drilling shows that the presumed sinter is probably a near-surface stockwork-breccia zone (YARD zone) which has allowed for banded chalcedony veins and chalcedony matrix breccia to be deposited along faults and fractures very close to paleo-surface.

BH 72456 yielded 42 samples: 93% exceed or equal 10 ppb Au, 55% exceed or equal 40 ppb Au and 14% exceed or equal 100 ppb Au.

BH 72480 encountered a zone of highly oxidized lapilli tuff that is cut by chalcedony±calcite veinlets in the upper part and discrete veins in the lower part. The veining is auriferous, and of 107 samples from the borehole (continuously sampled), 95.3% exceed or equal 10 ppb Au, 62.6% exceed or equal 40 ppb Au and 14% exceed or equal 100 ppb Au. The highest gold value is 329 ppb over 0.25 m. Much of the hole is clay altered and caving-in problems were encountered in the lower half that resulted in excessive reciprocal drill rod motion and the hole was cut short and abandoned. Casing (22.86 m) and a casing shoe were left in the hole.

TABLE I
SUMMARY OF DIAMOND DRILLING
YARD 1-9, YARD A AND B Fr. CLAIMS

BOREHOLE NUMBER	COLLAR LOCATION	ELEVATION (m)	AZIMUTH	INCLINATION	DEPTH (m)	CLAIM
72456	053N/332E	1105	270°	-50°	61.0	YARD 2
72480	050N/432E	1103	270°	-50°	120.40	YARD 2
72481	050N/382E	1104	270o	-60o	169.47	YARD 2
72482	047N/182E	1092	270°	-60°	254.86	YARD 2
72483	050N/532E	1099	270°	-60°	223.42	YARD 2
72484	170N/432E	1103	270°	-60°	310.90	YARD 2
				TOTAL	1140.05	

Borehole 72481 was set up midway between 72456 and 72480. Rocks encountered in the upper part of the hole are very similar to those of 72480, i.e. highly oxidized lapilli tuff with chalcedony veining common. The oxidized zone bottoms into a gouge and fault breccia zone that appears to connect with a gully at surface (050N/180E) and has an easterly dip of about 45°.

Below the fault, rocks of the Nicola are garnet-diopside-actinolite±biotite calc silicate that are not epithermally altered. The hole was abandoned due to caving in of clay and sand material from the fault zone and 77.7 m of rods were left in the hole.

Borehole 72482 was set up 200 m west of BH 72481. It was collared in the footwall of the fault zone in Nicola calc-silicate. The calc-silicate is cut by numerous narrow zones with limonite, clay and chlorite alteration, some fault gouge and chalcedonic quartz veining. The above merges into a zone of oxidized chalcedonic quartz veins and chalcedony matrix breccia with extensive silicification of clasts and wallrocks (145 m to 170 m). Below the chalcedony vein/breccia zone, a thick fault zone characterized by much clay alteration is encountered (170 m to 228 m). The fault zone apparently connects at surface with the Central Gully Fault (050N/020E-045W) and related close splays that appear to dip easterly at 60 to 65 degrees. Below the fault, weakly altered calc-silicate with a porphyry style quartz-calcite stockwork is encountered to hole bottom at 254.86 m.

Gold values are generally low and sporadically distributed and can be correlated directly to the quartz veins with little or no enrichment of the wallrocks. Highest value is 739 ppb Au with the next ten highest ranging between 101 to 254 ppb Au. The deep chalcedony vein/breccia zone is surprisingly low in gold, with the highest sample from the zone assaying only 101 ppb Au. Arsenic and molybdenum are moderately anomalous within the zone. Below the fault zone at about 180 m, the rocks are relatively barren in gold. Statistical breakdown of the 301 samples shows 54.5% exceed or equal 10 ppb Au, 11.0% exceed or equal 40 ppb Au and 4.3% exceed or equal 100 ppb Au.

Borehole 72483 is the easternmost hole in the 050N fence and was designed to test the eastern side of the oxidized stockwork zone. Several significant features characterize this hole: 1) presence of coarse clastic volcanic rocks with interbedded coal suggests an Eocene age for the volcanics; 2) the hole bottoms in calc-silicate and the contact between the overlying volcanics and the underlying calc-silicate and marble is of uncertain nature - either a fault or possibly erosional unconformity and 3) the pervasive complete clay alteration of the Eocene(?) volcanics with little to no accompanying quartz vein mineralization or silicification.

Assay values are low with the four highest ranging from 109 to 167 ppb Au. This hole may record the barren eastern side of the oxidized stockwork zone. Statistical breakdown of the 152 samples shows 60.5% exceed or equal 10 ppb Au, 15.1% exceed or equal 40 ppb Au and 4.6% exceed or equal 100 ppb Au, a distribution profile quite similar to 72482.

Borehole 72484 was designed to test the northern extension of the oxidized stockwork zone and the deeper chalcedony vein/breccia zone. Both were intersected; the oxide stockwork zone is hosted in Eocene(?) volcanics and bottomed by a thick fault zone below which Nicola calc-silicate occurs that hosts a possible extension of the chalcedony vein/breccia zone.

Assay values for the upper oxidized stockwork zone show it to be widely mineralized with 98% of 102 samples greater than or equal to 10 ppb Au, 65% greater than or equal to 40 ppb Au and 27.5% greater than or equal to 100 ppb Au. However, the deep chalcedony vein/breccia zone gave low values in gold, only two assays greater than 100 ppb: 118 ppb Au and 375 ppb Au. Molybdenum continued to be moderately anomalous with arsenic at background levels only.

6.0 CONCLUSIONS

The drilling program has determined a sequence of Nicola Croup volcanic rocks in fault contact with an overlying block of volcanic rocks of possible Eocene age. Chalcedony stockwork, veining and chalcedony matrix breccia cut both blocks but is preferentially concentrated in the upper block. Pervasive oxidation and low grade gold values characterize the upper block which has a minimum length of 120 m, depth up to 100 m and width up to 200 m.

7.0 REFERENCES

Campbell, R.B., Tipper, H.W., 1971. Geology of the Bonaparte Lake Map-Area, B.C., G.S.C. Memoir 363.

Cockfield, W.E., 1935. Lode Gold Deposits in the Fairview Camp, Camp McKinney and Vidette Lake Area, and the Dividend-Lakeview Property near Osoyoos, B.C., G.S.C. Memoir 179.

Gruenwald, W., 1980. Geochemical report on the VIDETTE #1 claim, Lots 4747, 4748, 4751, 4764, 4766, Clinton Mining Division, B.C.; Unpublished report for Kerr, Dawson & Associates Ltd., B.C.M.E.M.P.R. assessment report #8955.

Morin, J.A., 1988. Geological and geochemical report on the EPI claim group, Clinton Mining Division, B.C.; Unpublished report for Canadian Nickel Company Limited, B.C.M.E.M.P.R. assessment report.

Morin, J.A., 1989. Geological, geochemical and drilling report on the GNOME claim, Clinton Mining Division; Unpublished report for Canadian Nickel Company Limited, B.C.M.E.M.P.R. assessment report.

8.0 STATEMENT OF EXPENDITURES - 1988-1989

YARD 1-9, YARD A & B Fr. Mineral Claims

Drilling (Beaupre Diamond Drilling Ltd.)	
Hole #72456 (61.0 m)	$ 4,988.94
Holes #72480-72484 (1079.05 m)	72,806.00
Assays (Acme Analytical - ICP, Au):	18,207.25
1087 samples @ $16.75	
Field Personnel Salaries	
Project Geologist: J.A. Morin	14,000.00
Oct. 4-14, 1988; May 1-June 8, 1989	
50 days @ $280	
Field Assistants:	7,020.00
C. McMillan, T. Laycock	
May 1 - June 8, 1989	
2 x 39 days @ $90	
Personnel Expenses	6,240.00
Room & Board (Vidette Lodge) for	
J. Morin, C. McMillan, T. Laycock	
May 1 - June 8, 1989	
39 @ $160	
Transportation	
Truck rental May 1 - June 8, 1989	1,525.95
Gasoline	858.95
Equipment and Supplies	
Generator and diamond saw motor repair	1,396.30
Field Equipment	860.43
Total	$127,903.82
Total claimed as per statement of work	$126,537.00

9.0 AUTHOR'S QUALIFICATIONS

I, James A. Morin, of the City of Vancouver, in the Province of British Columbia, HEREBY CERTIFY:

1. THAT I reside at 202-1665 Nelson Street, Vancouver, British Columbia, V6G 1M3

2. THAT I am a graduate of the University of Manitoba, Winnipeg, Manitoba with degrees of Honours Bachelor of Science (1969) and Master of Science (1970) and of the University of Saskatchewan, Saskatoon, Saskatchewan with the degree of Doctor of Philosophy (1979).

3. THAT I am a Project Geologist, B.C. and Yukon, with Canadian Nickel Company Limited with offices at 512-808 Nelson Street, Vancouver, B.C., V6Z 2H2.

4. THAT I have practised my profession as a geologist since 1969, having worked in Ontario, Northwest Territories, Yukon Territory and British Columbia.

5. THAT I visited the property and that the work described in this report was carried out under my supervision or by me on behalf of Canadian Nickel Company Limited.

6. THAT I am a member of the Geological Association of Canada, a member of the Canadian Institute of Mining and Metallurgy, a member of the Society of Economic Geologists and a registered Professional Engineer with the Association of Professional Engineers of Yukon Territory.

DATED at Vancouver, British Columbia, this 25th day of September, 1989.

J.A. Morin

APPENDIX A

Borehole Logs

**************INCO LIMITED****************
FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT	:	LATITUDE	: 53.0 m	NTS SHEET #	: 92 P-2W	STARTED	: Oct. 3,1988
PROPERTY	: Epi-Gnome	DEPARTURE	: 4332.0 m	TOWNSHIP	:	COMPLETED	: Oct.11,1988
BOREHOLE	: 72456-0	ELEVATION	: 1105.0 m	PROVINCE	: B.C.	MEASUREMENTS	: m
AZIMUTH	: 270.0	BL AZIMUTH	: 358.5	COUNTRY	: Canada	DRILLED BY	: Beaupre Diamond Drilling Ltd.
DIP	: -50.0	GRID BEARING	:	CLAIM #	: Yard 2	DRILL TYPE	: Longyear 38
DEPTH	: 61.0 m	LOGGED BY	: J.A. Morin	GRID NAME	:	TEST METHOD	: Acid tube
				CORE SIZE	: NQWL	ASSAYED FOR	: Acme Analytical - Au,F & ICP

COMMENTS : recovery 100% unless noted, core stored on Gnome cl
hole abandoned, problems due to caving
LEFT IN HOLE:12 m of rods left in hole

********DEVIATION RECORDS********

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	F ppm
.00	21.36	CASING											
21.36	26.40	CONGLOMERATE											
		Miocene basal conglomerate with granodiorite and	FX286394	21.36	22.86	1.50		.004	.1	2	87	1	880
		volcanic clasts in sandy ash tuff matrix.	FX286395	22.86	24.08	1.22		.005	.1	2	83	1	2200
		21.36 22.86 As above with granodiorite clast up to 45	FX286396	24.08	26.40	2.32		.008	.1	7	151	1	610
		centimetre thick.											
		22.86 24.08 As above with granodiorite clast up to 5 centimetre thick.											
		24.08 26.40 As above with granodiorite clast up to 15 centimetre, lower contact is paleosurface.											

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	F ppm
26.40	29.17	CLAY											
		26.40 27.13 Brown to orange, limonitic, friable, earthy	FX286397	26.40	27.13	.73		.043	.2	187	23	6	3900
		with clasts of chalcedony and totally clay	FX286398	27.13	28.65	1.52		.245	.2	115	628	19	6650
		altered rock, bottom 20 centimetre not limonitic, but totally clay altered and gray,	FX286399	28.65	29.17	.52		.109	.3	109	42	31	10700
		27.13 28.65 As above, sandy to clay textured, brown to orange limonitic and totally clay altered.											
		28.65 29.17 As above but with larger clasts of chalcedony up to 3 centimetre, near lower contact,											
29.17	34.14	CHERT											
		29.17 30.12 Honey brown chalcedony matrix breccia with	FX286400	29.17	30.12	.95		.037	.2	36	30	122	11900
		65% highly silicified lithic clasts supported in massive chalcedony matrix, colour probably due to weathering, 1% vuggy.	FX286401	30.12	34.14	4.02		.034	.4	30	63	76	5950
		30.12 34.14 Mainly as above, minor 10 centimetre of limonitic clay matrix breccia near lower contact,											
34.14	38.41	BRECCIA											
		34.14 35.36 Abundant lost core with broken core pebbles	FX286402	34.14	35.36	1.22		.026	.1	32	70	7	20400
		of clay altered lithic clasts, sandy, limonitic clay and massive to weakly banded chalcedony.	FX286403	35.36	38.41	3.05		.080	.1	31	78	15	47500
		35.36 38.41 As above with abundant lost core and broken core pebbles of limonitic sandy clay,											

FROM m	TO m	****DESCRIPTION****	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	F ppm
38.41	41.95	TUFF											
		38.41 41.05 Pale green, very fine grained, totally clay	FX286404	38.41	41.05	2.64		.047	.1	35	35	6	3220
		altered regolith with limonite and rock	FX286405	41.05	41.95	.90		.013	.1	40	40	4	5700
		flour veinlets.											
		41.05 41.95 As above but more massive, less brecciated,											
		minor veinlets calcite and chalcedony,											
41.95	42.05	CHERT											
		Banded chalcedony with hairline thick laminations common	FX286406	41.95	42.05	.10		.070	.4	22	132	15	122000
		and with minor sucrosic textured quartz, 60 degrees to											
		core axis, more than 8 centimetre thick, chalcedony											
		colours ranging from brown to pink to grey to white,											
42.05	46.78	BRECCIA											
		This breccia is made up of lithic and chalcedony rubble	FX286407	42.05	43.28	1.23		.031	.1	23	52	4	10800
		that would.	FX286408	43.28	44.20	.92		.057	.3	32	69	12	58000
		Be expected in a hot spring vent environment.	FX286409	44.20	44.81	.61		.035	.2	31	31	11	9120
		42.05 43.28 Broken core pebbles and probably abundant	FX286410	44.81	45.29	.48		.029	.2	38	30	8	9900
		lost core, clasts of clay altered lithics	FX286411	45.29	45.72	.43		.064	.1	101	16	12	3010
		and chalcedony in limonitic rock flour matrix	FX286412	45.72	46.78	1.06		.029	.1	52	23	9	12900
		43.28 44.20 As above broken core and abundant lost core,											
		clasts include brecciated tuff delicately											
		laminated chalcedony,											
		44.20 44.81 As above with better core recovery, but											
		still abundant broken core, angular clasts											

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	F ppm
		of tuff supported in limonitic rock flour matrix, totally clay altered and also minor clasts of vuggy, sucrosic quartz and massive chalcedony. 44.81 45.29 As above with abundant broken core and some lost core, minor hairline laminated chalcedony. 45.29 45.72 As above, with no chalcedony clasts, just tuff clasts supported in limonitic rock flour matrix. 45.72 46.78 As above with abundant broken core,											
46.78	46.95	CHERT 1 Centimetre thick band of hairline laminated chalcedony overlain by clasts? of crudely banded chalcedony and sucrosic quartz, probably a pool sinter breccia,	FX286413	46.78	46.95	.17		.088	.6	43	43	30	72500
46.95	47.75	BRECCIA Mixture of totally clay altered tuff and paleosol with minor clasts of chalcedony with green fluorite,	FX286414	46.95	47.75	.80		.048	.3	56	26	16	41000
47.75	47.91	CHERT Well laminated very fine grained chalcedony and sucrosic quartz with minor calcite, probably pool sinter, layering at 60 degrees to core axis.	FX286415	47.75	47.91	.16		.060	.2	27	111	29	92100

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	F ppm
47.91	48.70	BRECCIA Totally clay altered lithic clasts in silicified rock flour matrix, minor local layered chalcedony,	FX286416	47.91	48.70	.79		.087	.9	76	46	69	42000
48.70	48.86	CHERT Hairline laminated chalcedony overlain by chalcedony matrix breccia with highly silicified clasts.	FX286417	48.70	48.86	.16		.295	4.2	267	37	243	40700
48.86	50.39	BRECCIA 48.86 49.60 Highly silicified or totally clay altered lithic clasts in massive chalcedony and highly silicified rock flour matrix. 49.60 50.39 As above with clasts of breccia as above supported in sucrosic quartz matrix,	FX286418 FX286419	48.86 49.60	49.60 50.39	.74 .79		.114 .107	1.5 1.2	138 49	25 11	143 78	32400 47700
50.39	50.63	CHERT Massive and crudely banded very fine grained chalcedony and sucrosic quartz with minor green fluorite in chalcedony matrix, quartz clasts locally, vuggy,	FX286420	50.39	50.63	.24		.105	3.4	60	618	134	150000
50.63	51.51	BRECCIA Highly silicified clasts and totally clay altered lithic clasts in brown chalcedony and highly silicified rock flour matrix cut by 1% chalcedony veinlets,	FX286421	50.63	51.51	.88		.059	.4	65	19	100	5500

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	F ppm
51.51	54.12	CLAY											
		51.51 52.11 Clay to sandy - textured limonitic paleosol.	FX286422	51.51	52.11	.60		.019	.1	78	107	79	5080
		52.11 53.22 As above.	FX286423	52.11	53.22	1.11		.016	.1	58	37	63	6390
		53.22 54.12 As above but with some totally clay altered lithic clasts near lower contact,	FX286424	53.22	54.12	.90		.030	.1	50	18	26	4100
54.12	55.17	BRECCIA											
		54.12 54.25 Yellow-brown silicified rock flour and chalcedony matrix with clay altered lithic clasts, 30% lost core.	FX286425	54.12	54.25	.13		.048	.2	49	10	14	3100
			FX286426	54.25	54.56	.31		.025	.2	43	944	29	960
			FX286427	54.56	54.95	.39		.027	.4	29	161	72	2350
		54.25 54.56 As above with 75% lost core.	FX286428	54.95	55.17	.22		.043	.2	33	20	13	1080
		54.56 54.95 As above with good core recovery, three episodes of rubble breccia overlying hairline laminated chalcedony,											
		54.95 55.17 Broken core pebbles and probably abundant lost core, no chalcedony, mainly clay altered volcanic clasts with earthy red limonite.											
55.17	55.34	CHERT											
		Broken core pebbles and abundant lost core, white and honey and brown massive and locally layered chalcedony and sucrosic quartz.	FX286429	55.17	55.34	.17		.077	1.5	8	24	54	99700

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	F ppm
55.34	57.91	BRECCIA											
		55.34 56.39 All broken core and abundant lost core, typical rubble breccia with clay altered lithic clasts and chalcedony clasts in silicified rock flour matrix, minor veinlets chalcedony, red and orange earthy limonite locally.	FX286430	55.34	56.39	1.05		.046	.3	39	18	13	990
			FX286431	56.39	57.91	1.52		.056	.2	36	19	12	1100
		56.39 57.91 As above with broken core pebbles and abundant lost core, 23% core recovery ,											
57.91	60.97	LAPILLI TUFF											
		Mafic lapilli tuff with 1 centimetre wispy chloritic lapilli in fine grained tuff matrix.	FX286432	57.91	58.99	1.08		.013	.4	21	11	31	1080
			FX286433	58.99	59.29	.30		.022	.6	29	19	21	1870
		57.91 58.99 Weathered lapilli tuff cut by 12% honey brown massive chalcedony veins up to 10 centimetre thick, clay altered lithic clasts locally in vein, intense clay, chlorite and sericite alteration in lapilli tuff.	FX286434	59.29	59.74	.45		.048	.7	45	28	27	1550
			FX286435	59.74	60.97	1.23		.017	.2	25	16	47	1430
		58.99 59.29 As above but relatively unweathered, green, cut by calcite and chlorite pyrite veinlets, up to 5 millimetre thick, 20% veining, up to 1% pyrite, intense clay, chlorite and sericite alteration.											
		59.29 59.74 As above but weathered&yellow brown, cut by 5% calcite, chlorite chalcedony veinlets, up to 6 millimetre thick, 0% pyrite, totally clay, chlorite and sericite altered.											
		59.74 60.97 As above, weathered, cut by more than 55 calcite, chlorite and chalcedony veinlets, up to 5 millimetre thick, 8% veining, 0%											

***********************DESCRIPTION***********************			******************ANALYSES******************									
FROM m	TO m		SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		pyrite, intense clay, chlorite and sericite alteration, red limonite locally, foot of hole.										

PROJECT :		LATITUDE :	50.0 m	NTS SHEET # :	92P-2W	STARTED :	1 May,1989
PROPERTY :	Epi-Gnome	DEPARTURE :	432.0 m	TOWNSHIP :		COMPLETED :	4 May,1989
BOREHOLE :	72480-0	ELEVATION :	1103.0 m	PROVINCE :	B.C.	MEASUREMENTS :	m
AZIMUTH :	270.0	BL AZIMUTH :	358.5 degrees	COUNTRY :	Canada	DRILLED BY :	Beaupre Diamond Drillin
DIP :	-50.0	GRID BEARING :		CLAIM # :	YARD 9	DRILL TYPE :	Longyear 38
DEPTH :	120.4 m	LOGGED BY :	J.A. Morin	GRID NAME :		TEST METHOD :	Acid etch tube
				CORE SIZE :	NQWL	ASSAYED FOR :	Acme Analytical - ICP &

COMMENTS : Measured from N-S baseline
None
LEFT IN HOLE:22.86 m casing and shoe

********DEVIATION RECORDS********

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
53.34	270.0	-45.50									

**********************DESCRIPTION********************** / ******************ANALYSES******************

FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
.00	9.75	CASING										
			NS	.00	9.75	9.75		n/a	n/a	n/a	n/a	n/a
9.75	34.61	CONGLOMERATE										
		Polymictic conglomerate with clasts up to 20 centimetre	NS	9.75	28.61	18.86		n/a	n/a	n/a	n/a	n/a
		in sandy ash tuffaceous matrix, clasts are	FX412773	28.61	30.18	1.57		.004	.1	3	109	1
		matrix-supported and form about 50% of the rock; clast	FX412774	30.18	31.70	1.52		.001	.2	2	101	1
		population consists of equigranular granite,	FX412775	31.70	33.03	1.33		.001	.1	2	115	1
		granodiorite, arkose, quartzite, vesicular and massive	FX412776	33.03	34.06	1.03		.018	.2	15	142	1
		basalt, etc.; no hydrothermal alteration evident.	FX412777	34.06	34.61	.55		.006	.1	55	1344	1
		9.75 28.61 As above with abundant broken core and up to 60% lost core.										
		28.61 30.18 Epiclastic conglomerate as above.										

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		30.18 31.70 As above.										
		31.70 33.03 As above.										
		33.03 34.06 As above but clasts generally smaller and largest is 1 centimetre thick by 3 centimetre, 3% of clasts are intensely clay and limonite altered.										
		34.06 34.61 Conglomerate as above but clasts and rock are intensely to totally clay altered.										
34.61	35.05	VOLCANIC Oxidized, limonitic and intensely clay altered feldspar porphyritic volcanic cut by rock flour matrix breccia at lower contact with lithic and colourless chalcedony clasts.	FX412778	34.61	35.05	.44		.198	.1	245	62	11
35.05	35.14	TUFF Brownish gray sandy ash similar to overlying epiclastic conglomerate matrix.	FX412779	35.05	35.14	.09		.053	.6	42	297	5
35.14	35.63	VOLCANIC Highly oxidized, intense to total clay alteration cut by 1% chalcedony veining up to 3 millimetre thick, difficult to determine relations in this severely oxidized rock.	FX412780	35.14	35.63	.49		.025	.1	167	32	5
35.63	36.00	TUFF Brownish gray sandy ash tuff similar to epiclastic conglomerate at top of hole, a few clay altered pebbles.	FX412781	35.63	36.00	.37		.025	.1	77	100	6

FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
36.00	36.24	VOLCANIC Feldspar porphyritic volcanic with intense clay alteration, cut by 1% calcite veining.	FX412782	36.00	36.24	.24		.043	.1	162	74	6
36.24	36.49	QUARTZ VEIN Chalcedony matrix vein breccia with intense to totally clay altered clasts in matrix of colourless to white to amber chalcedony; chalcedony is more abundant towards upper contact and breccia has mainly rock flour matrix at lower contact, 50% chalcedony with local hairline to 2 millimetre bands, clasts are both lithic and chalcedony and range from 2 mm to 2 cm.	FX412783	36.24	36.49	.25		.329	.5	56	26	33
36.49	38.30	VOLCANIC 36.49 37.45 Highly oxidized volcanic, locally cut by 1% leached limonite chalcedony veinlets up to 3 millimetre thick, intense to total clay alteration, 1% veining. 37.45 38.30 As above cut by 3 breccias with limonite and rock flour matrix and with chalcedony fragments near upper contact and lower contact and at 37.98 metres, brown orange clay is locally matrix in these breccias, breccia form 20% of interval.	FX412784 FX412785	36.49 37.45	37.45 38.30	.96 .85		.156 .067	.1 .1	133 131	23 43	6 6
38.30	38.44	QUARTZ VEIN Massive colourless to very pale gray chalcedonic quartz	FX412786	38.30	38.44	.14		.064	.2	58	29	19

FIELD EXPLORA[illegible] DIAMOND DRILL LOG

FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		with clay matrix breccia hanging wall, 90% veining, locally vuggy and attitude difficult to determine.										
38.44	39.34	**ANDESITE** Feldspar porphyritic, andesite with 35% feldspar phenocrysts 2 to 6 millimetre, highly oxidized, intense to total clay alteration, cut by 1% quartz calcite veining.	FX412787	38.44	39.34	.90		.070	.1	126	211	5
39.34	40.13	**BRECCIA** Highly oxidized matrix -supported breccia with lithic clasts predominant but also some chalcedony clasts up to 1.5 centimetre, matrix is mainly clay gouge and rock flour; Comment - this may be a hydrothermal breccia.	FX412788	39.34	40.13	.79		.072	.1	172	67	8
40.13	41.39	**VOLCANIC** Feldspar porphyritic volcanic with intense to total clay alteration, limonitic and highly oxidized, crumbly.	FX412789	40.13	41.39	1.26		.120	.1	102	44	4
41.39	41.63	**QUARTZ VEIN** Volcanic cut by colourless chalcedonic quartz about 5 centimetre thick, quartz is reduced to pebbles about 1 cm in size, 25% veining.	FX412790	41.39	41.63	.24		.035	.1	89	33	4
41.63	45.43	**VOLCANIC** Highly oxidized, limonitic with intense to total clay alteration, cut by up to 1% veining.	FX412791	41.63	43.16	1.53		.082	.1	125	25	5
			FX412792	43.16	44.20	1.04		.151	.2	120	34	6

***********************DESCRIPTION***********************

FROM m | TO m

41.63 43.16 As above.
43.16 44.20 As above cut by some minor limonite and clay rock flour matrix breccia, all broken core.
44.20 45.43 As above with intense to total clay alteration, cut by 1% veining, highly oxidized.

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412793	44.20	45.43	1.23		.079	.2	67	36	4

45.43 51.18 BRECCIA
Consists of clasts ranging from 1 millimetre up to several tens of centimetres across and is highly, oxidized, The breccia zones may be a series of coaleascing fault breccias along splays of a larger fault, hydrothermal matrix is at a minimum.
45.43 46.63 Highly oxidized lithic and minor quartz vein clast hydrothermal breccia with limonitic gouge and rock flour matrix, interval is highly broken , 15% lost core.
46.63 47.63. As above with 1% patchy calcite veining.
47.63 48.63 Breccia as above, highly oxidized with limonite and rock flour matrix, clasts are intensely clay, limonite and chlorite altered, cut by 5% white chalcedony and calcite veining up to 3 centimetres thick, attitude difficult to determine, can be termed weak stockwork.
48.63 49.63 As above.
49.63 51.18 Breccia as above, 4% quartz calcite veining up to 2 centimetres thick.

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412794	45.43	46.63	1.20		.088	.1	100	42	4
FX412795	46.63	47.63	1.00		.163	.3	76	38	4
FX412796	47.63	48.63	1.00		.025	.1	62	139	4
FX412797	48.63	49.63	1.00		.047	.2	69	18	3
FX412798	49.63	51.18	1.55		.029	.2	49	366	5

51.18 58.59 VOLCANIC

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FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		Volcanic is intensely clay altered , orange.	FX412799	51.18	52.69	1.51		.026	.1	30	122	3
		51.18 52.69 Volcanic as above and cut by 1% calcite fluorite veining up to 1 centimetre thick, some broken core as in interval above.	FX412800	52.69	54.32	1.63		.023	.2	27	92	3
		52.69 54.32 Volcanic as above, moderately to highly oxidized , intense to total clay alteration cut by 3% quartz fluorite veining, up to 1% purple fluorite , . 1 centimetre vein at 45 degrees to core axis at 53.95 metres.	FX412801	54.32	55.89	1.57		.048	.4	30	71	3
		54.32 55.89 Volcanic as above, cut by 1% quartz veining up to 5 millimetre thick , minor local breccia.	FX412802	55.89	56.88	.99		.026	.1	37	116	4
		55.89 56.88 As above cut by quartz calcite green fluorite veining up to 3 centimetre thick, vein material forms matrix to local breccia, 7% veining 56.88 58.59 volcanic as above, relatively massive and cut by 2% quartz fluorite veining up to 6 millimetre thick.	FX412803	56.88	58.59	1.71		.054	.1	68	33	6
58.59	59.00	FAULT A highly oxidized fault breccia , intense to total clay alteration, similar to breccias described above and it may even be appropriate to describe the breccias above as faults.	FX412804	58.59	59.00	.41		.065	.2	61	33	5
59.00	59.65	VOLCANIC As above cut by 4% quartz calcite veining up to 1 centimetre thick.	FX412805	59.00	59.65	.65		.081	.1	60	39	5

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FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
59.65	60.12	FAULT										
		59.65 60.12 Fault breccia with limonite and rock flour and gouge matrix, no veining.	FX412806	59.65	60.12	.47		.039	.1	36	75	4
60.12	64.49	VOLCANIC										
		60.12 61.60 Highly oxidized with intense to total clay alteration, cut by 3% quartz calcite veining up to 7 millimetre thick.	FX412807	60.12	61.60	1.48		.095	.1	84	52	5
			FX412808	61.60	62.37	.77		.254	.1	56	91	7
			FX412809	62.37	64.49	2.12		.018	.4	30	87	5
		61.60 62.37 As above cut by quartz calcite fluorite veins up to 2 centimetre thick, with angles to core axis of 45 degrees and 80 degrees, latter vein has hairline to 1 millimetre thick bands of colourless to white chalcedony, 5% veining.										
		62.37 64.49 Highly oxidized volcanic as above, intense to total clay alteration, broken core, 2 centimetre thick banded chalcedony vein at 64.01 metres, just chips so no angle measurements, 1% veining.										
64.49	65.30	FAULT										
		Highly oxidized fault breccia with abundant limonite, fragments range from 1 millimetre to a few centimetres, some chalcedony chips present, about 1%.	FX412810	64.49	65.30	.81		.019	.3	52	212	8
65.30	70.46	VOLCANIC										
		Porphyritic and probably a mafic crystal tuff, but in this zone is highly clay and chlorite altered.	FX412811	65.30	66.75	1.45		.012	.5	41	68	5
			FX412812	66.75	67.00	.25		.028	.7	36	66	4
		65.30 66.75 As above, cut by 1% quartz calcite veining	FX412813	67.00	67.43	.43		.014	.2	35	141	4

***********************DESCRIPTION*********************** / ******************ANALYSES******************

FROM m | TO m

up to 3 millimetre thick, intense to total clay alteration.

66.75 67.00 As above cut by 2 centimetre thick quartz chalcedony vein with some ribbons.

67.00 67.43 As above cut by up to 1% veining.

67.43 67.63 As above cut by quartz fluorite veining up to 1.5 centimetre thick, open space vugs with cockade texture , 60% veining.

67.63 67.98 As above, relatively massive, highly clay altered.

67.98 68.24 As above cut by quartz veining up to 1 centimetre thick, white chalcedonic quartz, 8% veining.

68.24 70.03 Volcanic is mafic lapilli tuff tuff, original clastic texture is well shown, cut by quartz and chalcedony veining up to 5 centimetre thick.

70.03 70.46 Volcanic as above cut by white chalcedony veins up to 3 centimetres thick, angles difficult to measure some vein breccia, 50% veining, also 1.5 centimetre breccia near upper contact, fault breccia contains chips of chalcedony vein material.

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412814	67.43	67.63	.20		.023	.5	40	117	3
FX412815	67.63	67.98	.35		.205	.3	43	30	4
FX412816	67.98	68.24	.26		.113	.8	56	35	7
FX412817	68.24	70.03	1.79		.026	.4	35	23	5
FX412818	70.03	70.46	.43		.167	.5	67	24	11

70.46 83.21 LAPILLI TUFF

Typical mafic lapilli tuff of Nicola, with mafic clasts ranging from 2 millimetre to 1 centimetre.
Comment - last 2 intervals up to 72.30 have green colour so that some chlorite is still stable.

70.46 71.30 As above, moderately oxidized, with some relict chlorite still visible cut by up to

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412819	70.46	71.30	.84		.021	.3	29	36	6
FX412820	71.30	72.30	1.00		.028	.3	63	43	10
FX412821	72.30	72.91	.61		.043	.7	68	80	10
FX412822	72.91	73.46	.55		.029	.2	57	21	8
FX412823	73.46	73.85	.39		.061	.5	58	30	11
FX412824	73.85	74.55	.70		.066	.1	55	33	11

***********************DESCRIPTION***********************

FROM m	TO m	DESCRIPTION
		1% calcite veining.
71.30	72.30	As above cut by quartz fluorite with minor calcite veins up to 2 centimetre thick, with variable angles to core axis : 40 degrees, 45 degrees and parallel, 15% veining.This is a stockwork of veins spaced in the order of several to 10 centimetres apart from each other.
72.30	72.91	As above cut by quartz fluorite veins up to 7 centimetre thick, colourless to white chalcedony, 15% veining of variable angles.
72.91	73.46	Lapilli tuff as above cut by 3% quartz fluorite veining up to 1 centimetre thick.
73.46	73.85	As above cut by 7 centimetre thick quartz fluorite vein, with angle to core axis of 70 degrees, 15% veining, some fault breccia 2 centimetre thick near lower contact.
73.85	74.55	As above cut by 2% new quartz calcite fluorite veining up to 1 centimetre thick.
74.55	75.60	As above cut by locally vuggy quartz and green fluorite veins, variable angles towards core axis, veins up to 3 centimetre thick, 7% veining.
75.60	75.77	As above cut by quartz fluorite veins up to 3 centimetre thick, angle to core axis of 65 degrees, 15% veining, clasts of wallrock in vein common, some open space filling.
75.77	76.77	Lapilli tuff as above cut by stockwork of quartz fluorite veins up to 1 centimetre thick, with variable angles to core axis, locally wallrock chips in vein, 10% veining.
76.77	77.77	As above, stockwork zone, white to

******************ANALYSES******************

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412825	74.55	75.60	1.05		.049	.1	76	31	12
FX412826	75.60	75.77	.17		.043	.3	74	21	10
FX412827	75.77	76.77	1.00		.028	.1	64	16	12
FX412828	76.77	77.77	1.00		.045	.4	78	45	12
FX412829	77.77	78.77	1.00		.053	.4	73	120	16
FX412830	78.77	79.77	1.00		.126	.2	79	116	16
FX412831	79.77	80.77	1.00		.086	.1	94	245	16
FX412832	80.77	81.56	.79		.111	.1	65	28	11
FX412833	81.56	82.86	1.30		.072	.1	91	31	16
FX412834	82.86	83.21	.35		.092	.1	123	17	13

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FROM	TO	***********************DESCRIPTION***********************	SAMPLE#	FROM	TO	LENGTH	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
m	m			m	m	m						
		colourless massive chalcedonic quartz and fluorite, veins commonly vuggy, local fractures with abundant limonite, vein breccia common, 12% veining, Comment - this stockwork zone probably formed with some release of energy because of the abundant vein breccia and the variably angles to core axis of the veins indicates that there was no previous regular structure that was exploited but rather one formed during the vein-forming event.										
77.77	78.77	As above cut by quartz fluorite veins up to 7 centimetres thick, vein breccia common, 15% veining.										
78.77	79.77	Stockwork zone as above cut by 12% veining, veins up to 3 centimetre thick.										
79.77	80.77	As above cut by 10% veining up to 2 centimetre thick, quartz and fluorite veining, lapilli tuff continues to be pale green gray colour and intensely clay altered, ;some of the green colour may be due to chlorite.										
80.77	81.56	Lapilli tuff as above, broken core common, cut by quartz vein up to 1.5 centimetre thick, 2% veining, also highly oxidized with clay alteration and reddish-brown colour to rock.										
81.56	82.86	As above cut by quartz fluorite veining up to 1 centimetre thick, 2% veining and rock is locally pale green and less altered than above.										
82.86	83.21	As above, much broken core, cut by quartz										

The ANALYSES columns (SAMPLE# through MO PPM) are headed ******************ANALYSES******************.

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FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		veins up to 1 centimetre thick, 2% veining.										
83.21	83.64	**QUARTZ VEIN** Massive, colourless to white chalcedonic quartz vein with minor lenses of coarse grained green fluorite, vein is locally banded at 60 to 70 degrees to core axis and this probably reflects vein angle, 100% veining, minor 1 millimetre vugs may be leached-out calcite, 100% core recovery.	FX412835	83.21	83.64	.43		.296	1.5	30	265	203
83.64	84.95	**LAPILLI TUFF** Typical mafic lapilli tuff, pale green gray with clay and chlorite alteration common.	FX412836	83.64	84.00	.36		.067	.2	90	103	29
		83.64 84.00 Lapilli tuff cut by quartz fluorite veins up to 3 centimetre thick, 15% veining with, variable angles, some minor crude bands in veins, minor vugs several millimetres in size, locally fluorite forms vein border material and chalcedonic quartz is in the centre, angle to core axis about 50 degrees, intense to total clay alteration, broken core,.	FX412837	84.00	84.95	.95		.035	.1	62	26	17
		84.00 84.95 As above cut by 3% quartz calcite fluorite veining, with some crude banding , angle to core axis of 20 degrees, relatively massive and pale green colour.										
84.95	85.20	**FAULT** Highly oxidized fault breccia with gouge and rock flour	FX412838	84.95	85.20	.25		.065	.2	69	29	15

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		matrix.										
85.20	87.55	LAPILLI TUFF										
		85.20 86.00 Lapilli tuff as above cut by quartz veinlets	FX412839	85.20	86.00	.80		.077	.3	68	19	11
		up to 5 millimetre thick, 3% veining,	FX412840	86.00	86.56	.56		.074	.3	68	151	9
		jarosite alteration locally in vugs.	FX412841	86.56	87.02	.46		.095	.4	46	15	9
		86.00 86.56 As above cut by quartz fluorite veins up to 2 centimetres thick and one fluorite quartz vein 5 centimetres thick at lower contact, angle to core axis of veins is about 80 to 90 degrees and also 55 degrees, 18% veining,.	FX412842	87.02	87.55	.53		.071	.1	82	29	54
		86.56 87.02 Lapilli tuff as above, pale green gray, cut by 1% quartz calcite veining up to 2 millimetres thick.										
		87.02 87.55 As above cut by quartz calcite veining up to 1 centimetre thick, 4% veining, clay alteration more intense than in interval above.										
87.55	87.95	QUARTZ VEIN										
		Quartz fluorite vein and vein breccia up to 15 centimetres thick, vuggy and vugs are calcite -lined, vein angle to core axis difficult to determine, it is locally parallel but probably variable.	FX412843	87.55	87.95	.40		.097	.6	63	101	14
87.95	88.33	FAULT										
		Lapilli tuff cut by fault breccia and gouge, fault breccia is strongly oxidized.	FX412844	87.95	88.33	.38		.062	.3	72	26	15

FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
88.33	89.09	QUARTZ VEIN										
		Lapilli tuff cut by 11 centimetre thick quartz fluorite vein broken up into lensy fragments and is at 90 degrees to core axis, 50% veining.	FX412845	88.33	89.09	.76		.024	.6	22	64	4
89.09	89.92	LAPILLI TUFF										
		89.09 89.58 Lapilli tuff as above cut by quartz fluorite vein up to 1 centimetre thick with variable angles to core axis, 8% veining.	FX412846	89.09	89.58	.49		.046	.4	67	62	11
		89.58 89.92 Lapilli tuff as above, cut by local rusty gouge along fractures and cut by quartz calcite veining up to 1 centimetre thick, 4% veining.	FX412847	89.58	89.92	.34		.120	.7	104	18	11
89.92	91.70	FAULT										
		Highly brecciated lapilli tuff grades into fault breccia with limonitic rock flour and gouge matrix, intense to total clay alteration, no veining.	FX412848	89.92	91.70	1.78		.074	.3	105	13	10
91.70	93.27	LAPILLI TUFF										
		91.70 92.53 Lapilli tuff cut by locally vuggy quartz fluorite veins, up to 3 centimetres thick, 8% veining.	FX412849	91.70	92.53	.83		.072	.5	88	343	17
		92.53 93.02 As above cut by quartz calcite fluorite veins up to 6 centimetres thick, angle to core axis of 30 degrees, 20% veining.	FX412850	92.53	93.02	.49		.050	.7	82	766	14
		93.02 93.27 Lapilli tuff as above cut by 4% quartz veining up to 5 millimetre thick, excess	FX412851	93.02	93.27	.25		.058	.7	108	24	23

FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		core in this interval of 30 centimetres.										
93.27	94.51	FAULT										
		93.27 93.71 Brecciated lapilli tuff grading into well-developed fault breccia in most of interval, cut by quartz calcite fluorite veins up to 3 centimetre thick, concordant with fault foliation at 75 degrees to core axis, 10% veining.	FX412852	93.27	93.71	.44		.049	.3	72	107	9
		93.71 94.51 Fault breccia as above grading into brecciated lapilli tuff, no veining, highly oxidized as is above interval.	FX412853	93.71	94.51	.80		.043	.5	108	12	13
94.51	95.02	LAPILLI TUFF Typical pale green gray lapilli tuff, cut by quartz veins up to 5 millimetre thick, 3% veining.	FX412854	94.51	95.02	.51		.088	.6	145	61	24
95.02	95.46	FAULT Highly oxidized and limonitic brecciated lapilli tuff and fault breccia, no veining.	FX412855	95.02	95.46	.44		.022	.4	80	21	14
95.46	96.43	LAPILLI TUFF										
		95.46 96.10 Lapilli tuff, pale green gray, locally limonitic, cut by 3% quartz calcite veins up to 5 millimetre thick.	FX412856	95.46	96.10	.64		.085	.8	72	42	12
		96.10 96.43 Lapilli tuff as above cut by quartz fluorite veins up to 2 centimetres thick with angle core axis of 35 degrees, vuggy, Comment -	FX412857	96.10	96.43	.33		.016	.5	42	168	10

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		this stockwork zone is cut by a 6 centimetre thick chalcedonic quartz vein at 90 degrees to core axis and with some vein breccia, thick vein cross cuts stockwork, 40% veining in total.										
96.43	96.62	FAULT										
		Highly oxidized fault breccia with gouge and rock flour matrix, limonitic, contains fragments of fluorite vein material.	FX412858	96.43	96.62	.19		.075	.8	54	194	10
96.62	102.00	LAPILLI TUFF										
		96.62 97.47 Lapilli tuff cut by quartz fluorite veins up to 2 centimetres thick, angle to core axis of 20 degrees, 10% veining, boxwork structure in vein common, 3 centimetre thick quartz vein near lower contact with angle to core axis of 90 degrees and concordant with 7 centimetre thick fault breccia at lower contact and contains fragments of vein material, vein is crudely banded and appears to represent the fault related cross cutting quartz veins, veining in total interval is 14%.	FX412859	96.62	97.47	.85		.020	.7	50	100	13
			FX412860	97.47	100.25	2.78		.062	.6	59	20	35
			FX412861	100.25	101.04	.79		.034	.4	41	25	7
			FX412862	101.04	102.00	.96		.047	.4	51	11	9
		97.47 100.25 Lapilli tuff as above, cut by 2% quartz calcite veins up to 5 millimetre thick, relatively massive, 30 centimetres of highly oxidized fault breccia at lower contact with gouge and rock flour matrix made up of lapilli tuff fragments up to 10										

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**************************DESCRIPTION************************ / ******************ANALYSES******************

FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		centimetre across, 1% of fault breccia is brecciated vein material.										
		100.25 101.04 Pale green gray lapilli tuff cut by chalcedonic quartz veins up to 2 centimetre thick with variable angles, 6% veining, angle to core axis of 90 degrees, highly oxidized fault breccia with vein fragments and limonitic rock flour matrix at lower contact.										
		101.04 102.00 As above cut by veins of chalcedonic quartz up to 1 centimetre thick, 6% veining, variable angles, Comment - this zone and the one above are both of the stockwork style with spacing several centimetres apart.										
102.00	102.81	BRECCIA										
		Fault breccia with lithic clasts and quartz vein clasts in matrix of chalcedonic quartz, abundant broken core, highly oxidized, this is a fault breccia healed with quartz matrix, vuggy locally vugs are limonitic, broken gouge fault breccia at lower contact.	FX412863	102.00	102.81	.81		.072	.4	30	10	7
102.81	107.12	FAULT										
		This zone is mainly a fault breccia with much brecciated volcanic material.	FX412864	102.81	103.15	.34		.025	.2	17	29	5
			FX412865	103.15	104.25	1.10		.029	.2	50	10	9
		102.81 103.15 Fault breccia with local brecciated vein material and lower half of interval is variably silicified with vugs up to 2 centimetre long, that may be due to	FX412866	104.25	105.65	1.40		.036	.2	46	14	8
			FX412867	105.65	107.12	1.47		.026	.2	50	34	11

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FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		leaching, locally they are jarosite-lined.										
		103.15 104.25 Fault breccia as above with one volcanic lens up to 30 centimetres thick, highly oxidized with gouge and rock flour matrix, no veining.										
		104.25 105.65 Mixture of brecciated volcanic and fault breccia as above, 1% quartz veining up to 4 millimetre.										
		105.65 107.12 Fault breccia as above, 1% vuggy quartz veining.										
107.12	109.42	LAPILLI TUFF										
		107.12 107.59 Broken highly fractured lapilli tuff cut by 2% chalcedonic quartz veins up to 5 centimetres across, minor vugs up to 1 centimetre with limonite coatings.	FX412868	107.12	107.59	.47		.043	.4	45	35	10
			FX412869	107.59	108.08	.49		.019	.1	14	18	6
			FX412870	108.08	109.42	1.34		.031	.1	26	15	9
		107.59 108.08 As above with vugs lined with quartz, minor local silicification of volcanic near lower contact.Comment - might the vugs be due to severe leaching in a vuggy silica alteration facies zone?.										
		108.08 109.42 Highly brecciated and broken volcanic as above, no veining, minor fault breccia especially at lower contact, local gypsum or alunite along fracture surfaces.										
109.42	112.42	BRECCIA										
		Heterolithic matrix supported breccia with rock flour matrix, no veining, chloritic.	FX412871	109.42	110.92	1.50		.007	.1	29	22	11
			FX412872	110.92	112.42	1.50		.012	.3	30	24	10
		109.42 110.92 As above, in places, breccia is relatively										

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		massive, but at upper contact is moderately sheared.										
		110.92 112.42 Breccia as above, gouge -rich at lower contact.										
112.42	120.40	LAPILLI TUFF										
		112.42 113.89 Brecciated lapilli tuff, local fault breccia at 113.60 metres, up to 1% quartz veining,.	FX412873	112.42	113.89	1.47		.047	.5	62	17	21
			FX412874	113.89	114.22	.33		.151	.5	44	26	67
			FX412875	114.22	115.03	.81		.059	.4	76	16	31
		113.89 114.22 Lapilli tuff cut by 2 centimetre thick colourless chalcedony vein with clasts of wallrock up to 2 centimetre, angle to core axis is 35 degrees, some silicification of wallrock and getting into cm-sized leached out vugs , 7% veining.	FX412876	115.03	116.20	1.17		.066	.2	74	26	20
			FX412877	116.20	118.20	2.00		.064	.4	48	18	11
			FX412878	118.20	119.43	1.23		.020	.2	24	22	14
			FX412879	119.43	120.40	.97		.136	.6	78	31	16
		114.22 115.03 As above with highly broken lapilli tuff, cut by 1% chalcedonic quartz veining.										
		115.03 116.20 As above with patchy lenses and some discrete veinlets of chalcedonic quartz and calcite up to 1 centimetre thick, 6% veining, chloritic fault breccia with some vein material as clasts near lower contact.										
		116.20 118.20 Lapilli tuff as above, locally granulated and crushed from upper contact to 117.45 metres, some leached out vugs near lower contact, locally cut by 2% 1.5 centimetre thick gypsum vein with angle to core axis of 30 degrees , no quartz veining This zone looks as if it has been severely leached.										

FROM m	TO m	DESCRIPTION		SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
118.20	119.43	As above but cut by stockwork of chalcedonic quartz veins with variable angles, lapilli tuff is variably silicified, 8% quartz veining, local open space veining.											
119.43	120.40	Lapilli tuff as above, weakly to moderately silicified locally, pale brown colour of matrix suggestive of iron carbonate alteration, lapilli up to 2 centimetres, FOOT OF HOLE AT 120.40 METRES.											

**************INC[illegible]MITED****************
FIELD EXPLORA[illegible] DIAMOND DRILL LOG

PROJECT :
PROPERTY : Epi-Gnome
BOREHOLE : 72481-0
AZIMUTH : 270.0
DIP : -60.0
DEPTH : 169.5 m

LATITUDE : 50.0 m
DEPARTURE : 382.0 m
ELEVATION : 1104.0 m
BL AZIMUTH : 358.5 degrees
GRID BEARING :
LOGGED BY : J.A. Morin

NTS SHEET # : 92P-2W
TOWNSHIP :
PROVINCE : B.C.
COUNTRY : Canada
CLAIM # : YARD 8
GRID NAME :
CORE SIZE : NQWL

STARTED : 5 May,1989
COMPLETED : 10 May,1989
MEASUREMENTS : m
DRILLED BY : Beaupre Diamond Drillin
DRILL TYPE : Longyear 38
TEST METHOD : Acid etch tube
ASSAYED FOR : Acme Analytical - ICP &

COMMENTS : Measured from N-S baseline
None
LEFT IN HOLE:77.7 m rods to foot of hole

********DEVIATION RECORDS********

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
62.79	270.00	-56.50	123.74		-59.00						

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
.00	35.05	CASING Drill sludge samples were taken from the triconed material.	FX413040	.00	4.27	4.27		.003	.1	6	87	2
			FX413041	4.27	7.32	3.05		.007	1.2	5	101	2
			FX413042	7.32	10.36	3.04		.005	.2	8	110	2
			FX413043	10.36	13.41	3.05		.011	.2	11	130	2
			FX413044	13.41	16.46	3.05		.008	.6	14	145	2
			FX413045	16.46	19.51	3.05		.006	.2	9	149	2
			FX413046	19.51	22.56	3.05		.005	.1	3	122	1
			FX413047	22.56	25.60	3.04		.006	.1	2	102	2
			FX413048	25.60	28.65	3.05		.003	.3	2	100	2
			FX413049	28.65	31.70	3.05		.010	.1	20	209	4
			FX413050	31.70	35.05	3.35		.014	.2	19	104	3

**********************DESCRIPTION**********************

FROM m | TO m

35.05 39.40 VOLCANIC

Highly oxidized reddish brown volcanic.

35.05 36.58 As above cut by 2% white chalcedony veinlets up to 5 millimetre thick, variable attitude, intense to total clay alteration at, typical advanced argillic alteration.

36.58 37.84 As above, abundant broken core, local core pebbles 37.49, some of this interval is breccia, probably fault related, but difficult to determine, no veining.

37.84 38.40 As above, abundant broken core, cut by white chalcedonic quartz veins more than 3 centimetre thick, variable angles, 35% quartz veining, vein has hairline bands in centre of vein parallel to core axis.

38.40 39.40 Oxidized volcanic as above, cut by quartz calcite veins up to 1 centimetre thick, 4% veining.

39.40 40.11 QUARTZ VEIN

Oxidized volcanic cut by white chalcedonic quartz vein that fills a cavity and consists of hairline to 1 millimetre thick bands commonly around some fragments, vein is sampled in three intervals of hanging wall breccia, central vein and footwall breccia.

39.40 39.55 Oxidized volcanic cut by white chalcedonic veining near upper contact and near lower contact chalcedonic vein material appear to be clasts within a matrix of volcanic rock flour , about 20% vein material in interval.

39.55 39.78 Quartz vein breccia, with quartz colour

******************ANALYSES******************

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412880	35.05	36.58	1.53		.611	.1	70	30	10
FX412881	36.58	37.84	1.26		.297	.1	67	45	12
FX412882	37.84	38.40	.56		.238	.2	42	1853	7
FX412883	38.40	39.40	1.00		.175	.1	111	52	8
FX412884	39.40	39.55	.15		.114	.1	176	99	11
FX412885	39.55	39.78	.23		.425	3.7	98	576	259
FX412886	39.78	40.11	.33		.223	.6	91	504	14

************************DESCRIPTION************************

FROM m | TO m

ranging from milky white to colourless to brown to black, vein is not symmetrical and appears to be a cavity filling that exhibits sedimentary layering , clasts of totally clay altered lithic material are in vein, vein , appears to be a geopetal cavity filling with hairline bands at upper contact massive white chalcedonic quartz at lower contact, angle of vein difficult to determine but lower contact appears to be 45 degrees to core axis, hairline bands locally rim clasts, 70% veining.

39.78 40.11 Footwall of vein is brecciated and infilled with white chalcedonic quartz, 15% veining, volcanic clasts and wallrock are locally weakly silicified, but mainly clay altered.

40.11 42.11 VOLCANIC

Oxidized volcanic with original texture difficult to discern.

40.11 41.45 As above cut by 4% white chalcedonic quartz veins up to 1 centimetre thick, intense to total clay alteration, colourless to white quartz.

41.45 42.11 As above cut by chalcedonic quartz veins up to 1 centimetre thick, 2% veining, intense to total clay alteration. Comment - zone starting here appears to consist of alternating breccias with competent volcanic rock. The breccias consist of both lithic and vein material clasts and may have been

******************ANALYSES******************

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412887	40.11	41.45	1.34		.173	.2	102	220	10
FX412888	41.45	42.11	.66		.046	.2	32	163	7

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FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		a series of channelways along which fault breccia and possibly some hydrothermal breccia accumulated.										
42.11	42.85	BRECCIA Highly oxidized, limonitic, all broken core, total clay alteration, both lithic and chalcedonic quartz clasts, vein clasts approximately 2%, up to 1 centimetre in size. This breccia may be a paleosol, but also could be highly oxidized near surface fault breccia.	FX412889	42.11	42.85	.74		.581	.2	81	152	28
42.85	43.42	VOLCANIC Intensely clay altered volcanic cut by chalcedonic quartz vein stockwork with veins up to 1 centimetre thick, some brecciation at upper contact, 8% veining, 5 centimetre thick clay seam in centre of interval.	FX412890	42.85	43.42	.57		.170	.1	46	226	7
43.42	44.80	BRECCIA Highly oxidized breccia with limonitic, rock flour and gouge matrix, matrix -supported clasts, both lithic and vein material, crumbly and friable may be a regolith or rubble breccia , intense iron oxidized and clay alteration suggests that it may be a regolith.	FX412891	43.42	44.80	1.38		.102	.1	66	318	9
44.80	45.65	VOLCANIC Oxidized volcanic with local clay matrix breccia, cut by patchy chalcedonic quartz veining.	FX412892	44.80	45.65	.85		.090	.2	134	50	12

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
45.65	46.00	BRECCIA										
		Highly oxidized with total clay alteration, all crumbly	FX412893	45.65	46.00	.35		.216	.2	86	83	13
		and friable broken core, both lithic and chalcedonic										
		quartz vein clasts, matrix -supported.										
46.00	49.85	VOLCANIC										
		35% Veining, arrange from massive to hairline 1	FX412894	46.00	46.90	.90		.170	.1	98	25	10
		millimetre bandi vein breccia.	FX412895	46.90	47.34	.44		.094	.2	53	278	7
		46.00 46.55 Highly oxidized volcanic, limonitic with	FX412896	47.34	47.88	.54		.022	.2	61	111	9
		yellow brown to reddish with minor breccia,	FX412897	47.88	48.17	.29		.274	.3	50	169	60
		no veining. Comment - in the zone below, the	FX412898	48.17	48.67	.50		.020	.1	91	77	10
		quartz intervals appear to be stratiform	FX412899	48.67	49.36	.69		.037	.2	57	238	14
		because they are all asymmetrical with	FX412900	49.36	49.85	.49		.015	.1	60	67	14
		white massive quartz at the lower contact on										
		the down hole side and colourless hairline										
		thick banded chalcedony on the uphole side										
		with a top layer locally of overlying										
		fluorite. Perhaps there were dilational										
		fractures along which quartz -rich										
		solutions entered and filled from the bottom										
		up.There may be a transition from the										
		dilational fractures such that those with a										
		low fluid pressure would be mainly occupied										
		by fault breccia with no vein material and										
		others would be occupied by vein material										
		on the bottom and breccia above and others										
		would be solely occupied by vein material.										
		46.55 47.34 Volcanic lapilli tuff cut by white										
		chalcedonic quartz veins up to 2 centimetre										
		thick, angles to core axis of 60 and 45										

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		degrees, 8% veining, brecciation at upper contact with abundant limonite that probably indicates a fault at upper contact.										
		47.34 47.88 As above cut by chalcedonic quartz veins up to 5 millimetre thick, 2% veining.										
		47.88 48.17 As above cut by massive white chalcedonic quartz veins more than 5 centimetre thick,.										
		48.17 48.67 As above cut by 4% colourless to white chalcedonic quartz veinlets.										
		48.67 49.38 As above cut by chalcedonic quartz fluorite veins with gradations from massive white quartz on down hole side to hairline layering at uphole side with fluorite, veins 3 centimetre thick more than 5 centimetre thick and 4 centimetre thick, angles to core axis are 90 degrees, 40 degrees and 60 degrees, 15% veining.										
		49.38 49.85 As above with no veining.										
49.85	50.00	QUARTZ VEIN Massive white chalcedonic quartz on down hole side, 6 centimetre thick capped by 1 centimetre of colourless finely banded chalcedonic quartz, 60 degrees to core axis, 55% veining,.	FX412901	49.85	50.00	.15		.202	.3	16	81	14
50.00	55.89	LAPILLI TUFF Typical mafic lapilli tuff with lithic clasts ranging	FX412902	50.00	50.60	.60		.039	.2	44	49	8
		from 2 millimetre up to 3 centimetre.	FX412903	50.60	51.15	.55		.079	.1	93	127	10
		50.00 50.60 As above cut by 2% quartz veining up to 5	FX412904	51.15	51.91	.76		.043	.1	89	781	14
		millimetre thick.	FX412905	51.91	52.34	.43		.068	.2	74	31	14

FROM m	TO m	DESCRIPTION
		50.60 51.14 As above cut by 25% quartz fluorite veining with angles to core axis of 60 degrees, 45 degrees and saprolite, 25% veining, gradation from massive white chalcedonic to hairline, layered uphole and further capped by green fluorite.
		51.15 51.91 As above cut by 8% quartz fluorite veining up to 3 centimetre thick.
		51.91 52.34 As above cut by white chalcedonic quartz veins up to 2 centimetre thick, cut by fault breccia in the middle of the interval that is 10 centimetre thick, 15% veining.
		52.34 53.10 As above cut by chalcedony veins more than 3 centimetre thick, with angle to core axis of 10 degree, 15% quartz fluorite veining.
		53.10 53.90 As above cut by 2% chalcedonic quartz veining with angle to core axis of 45 degrees
		53.90 54.65 As above cut by chalcedonic quartz veins up to 1 centimetre thick, veins are locally vuggy and lapilli tuff itself is vuggy and appears leached , 5 to 10 % vuggy cavities in lapilli tuff with limonite in cavities with 7% veining.
		54.65 55.89 Lapilli tuff as above cut by calcite veining up to 1 centimetre thick, rock is locally amygdular, and near lower contact, 2% leached cavities in lapilli tuff.
55.89	56.08	QUARTZ VEIN Lapilli tuff as above cut by 8 centimetre thick quartz vein, with angle to core axis of 45 degrees, 50% veining,

*******************ANALYSES*******************

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412906	52.34	53.10	.76		.134	.2	86	257	21
FX412907	53.10	53.90	.80		.023	.1	123	28	15
FX412908	53.90	54.65	.75		.417	.1	146	22	24
FX412909	54.65	55.89	1.24		.023	.1	71	52	11
FX412910	55.89	56.08	.19		.529	.4	73	42	20

***********************DESCRIPTION***********************

FROM m	TO m	DESCRIPTION
		quartz is white medium grained with foamy texture, hairline banding at lower contact.
56.08	62.28	LAPILLI TUFF Typical mafic lapilli tuff of the Nicola. Typical mafic lapilli tuff, with chlorite and clay alteration. 56.08 57.98 Lapilli tuff with recognizable texture cut by quartz veins up to 1 centimetre thick, 3% veining, and locally there is abundant limonite and hematite along fractures and leached cavities in the lapilli tuff,. 57.98 58.58 Lapilli tuff as above cut by white to colourless chalcedonic quartz veins with hairline banding at 90 degrees to core axis and 2 centimetre thick, at 90 degrees 30 degrees to core axis, 25% quartz veining. 58.58 58.83 Lapilli tuff cut by quartz veins up to 1 centimetre thick, with angle to core axis of 45 degrees, 3% veining. 58.83 59.13 As above cut by 20% chalcedonic quartz veining up to 2 centimetre thick with angles to core axis of 45 degrees. 59.13 60.57 Lapilli tuff as above cut by 24% quartz calcite veining, up to 5 centimetre thick, angle to core axis of 60 degrees, from 60.31 to 60.57 is cut by 21 centimetre thick white to colourless chalcedonic quartz vein with local quartz vein breccia with some hairline to 1 millimetre banding, lower contact at 60 degrees to core axis, vein is

*******************ANALYSES*******************

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412911	56.08	57.13	1.05		.084	.1	146	54	33
FX412912	57.13	57.58	.45		.056	.3	76	32	21
FX412913	57.58	58.83	1.25		.089	.1	110	12	22
FX412914	58.83	59.13	.30		.438	.4	83	19	19
FX412915	59.13	60.57	1.44		.083	.4	91	30	31
FX412916	60.57	61.52	.95		.047	.1	64	146	43
FX412917	61.52	62.28	.76		.092	.1	66	46	21

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FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		composite and consists of vein breccia in lower half of interval and is massive in upper half of interval, local snow on roof texture exhibited by vein banding, lithic clasts are intensely clay.										
		60.57 61.52 Lapilli tuff cut by 14% quartz calcite veining up to 4 centimetres thick, angles to core axis of 60 and 90 degrees.										
		61.52 62.28 As above cut by 8% quartz veining up to 1 centimetre thick with angles to core axis of 10 and 30 degrees. Comment - note that this zone above and below is marked by a stockwork system with centimetre to several centimetre thick veins spaced up to 10 centimetres apart.										
62.28	63.12	QUARTZ VEIN										
		62.28 62.79 Lapilli tuff is cut by 24 centimetre thick vein of ankerite, calcite and quartz with angles to core axis of 50 degrees, 70% veining, vein border appears to be more carbonate-rich and vein centre more quartz-rich, wallrock clasts are included in this vein breccia.	FX412918	62.28	62.79	.51		.031	.3	88	391	8
			FX412919	62.79	63.12	.33		.074	.1	34	138	6
		62.79 63.12 A vein breccia with quartz fluorite matrix and midway in the interval there is 1 cm of hairline banded chalcedony, the lithic clasts are clay altered and also locally silicified, 60% veining.										

FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
63.12	64.95	BRECCIA										
		This zone consists of lapilli tuff invaded by quartz-rich solutions with minor calcite and fluorite. It is rich in lithic clasts and in places is clast-supported and changes gradually from crackle breccia to vein breccia to highly veined host rock.	FX412920	63.12	63.66	.54		.044	.1	38	147	9
		63.12 63.66 As above, locally cut by 2 centimetre thick quartz fluorite vein near lower contact, also a 5 centimetre thick calcite ankerite -rich vein at 60 to 70 degrees to core axis, 30% vein material.	FX412921	63.66	64.20	.54		.055	.1	39	21	9
		63.66 64.20 As above and crowded with clasts, clasts are mainly intensely clay altered but locally silicified, 15% veining.	FX412922	64.20	64.95	.75		.017	.2	21	59	7
		64.20 64.95 As above, except that green gray vuggy quartz -rich matrix is more abundant, clasts are commonly slfd with local clay alteration, crackle breccia features common, quartz calcite vein at lower contact at 30 degrees to core axis, quartz calcite fluorite vein, 30% vein material.										
64.95	67.58	LAPILLI TUFF										
		Typical mafic lapilli tuff of the Nicola.	FX412923	64.95	66.36	1.41		.027	.1	28	50	7
		64.95 66.36 Lapilli tuff cut by several quartz veins up to 1 centimetre thick and also calcite ankerite veins up to 1 centimetre thick, 10% veining.	FX412924	66.36	67.58	1.22		.068	.1	64	31	14
		66.36 67.58 As above cut by quartz calcite veins up to 1 centimetre thick, variable angles to core axis, 8% veining.										

FROM m	TO m	***********************DESCRIPTION***********************
67.58	67.79	QUARTZ VEIN Quartz calcite fluorite ankerite vein with vein banding at 45 degrees to core axis. This is a composite vein with asymmetric banding from footwall to hangingwall consisting of ankerite, quartz, calcite and fluorite. Vein is 8 centimetres thick and forms 60% of interval. This multi-banded vein is different from previous veins encountered because of the alternating nature of vein mineral bands.
67.79	72.77	LAPILLI TUFF 67.79 68.56 Lapilli tuff cut by quartz veins up to 3 centimetre thick, 4% veining, angle to core axis is 45 degrees. 68.56 68.74 Quartz calcite fluorite vein with angle to core axis of 30 degrees, 4 centimetre thick, 25% of interval is veining, Vein is composite with calcite borders and quartz fluorite core. 68.74 69.00 Lapilli tuff as above cut by 8% quartz calcite veining up to 5 millimetre thick. 69.00 70.20 As above cut by 1% quartz veining up to 5 millimetre thick. 70.20 70.53 As above cut by 18% gray chalcedonic quartz veining up to 3 centimetre thick, fluorite also. 70.53 71.37 As above cut by 6% quartz calcite veining up to 1.5 centimetre thick with angle of 20 degrees to core axis.

*******************ANALYSES*******************

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412925	67.58	67.79	.21		.025	.1	60	156	8
FX412926	67.79	68.56	.77		.053	.1	79	24	9
FX412927	68.56	68.74	.18		.079	.3	60	163	6
FX412928	68.74	69.00	.26		.064	.2	67	26	8
FX412929	69.00	70.20	1.20		.048	.1	74	40	12
FX412930	70.20	70.53	.33		.080	.1	39	66	20
FX412931	70.53	71.37	.84		.016	.1	51	79	8
FX412932	71.37	72.13	.76		.055	.1	74	20	8
FX412933	72.13	72.77	.64		.026	.1	31	15	7

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FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		71.37 72.13 Lapilli tuff as above cut by 1% quartz calcite veining.										
		72.13 72.77 Lapilli tuff cut by 20% quartz calcite veining, including an 11 centimetre thick vein with angle to core axis of 90 degrees.										
72.77	73.40	QUARTZ VEIN										
		Quartz fluorite vein material is matrix in a vein breccia with clay altered and locally silicified lithic clast, vugs common, about 30% vein material, mainly quartz.	FX412934	72.77	73.40	.63		.013	.1	16	70	4
73.40	80.30	LAPILLI TUFF										
		Typical mafic lapilli tuff of the Nicola.	FX412935	73.40	74.33	.93		.065	.2	74	92	21
		73.40 74.33 4% quartz veining up to 3 centimetre thick,.	FX412936	74.33	74.88	.55		.035	.1	92	50	24
		74.33 74.88 Lapilli tuff as above cut by colourless	FX412937	74.88	75.96	1.08		.017	.2	36	49	9
		chalcedony veins up to 1.5 centimetres	FX412938	75.96	77.11	1.15		.011	.1	51	43	7
		thick with angles to core axis of 45 degrees	FX412939	77.11	77.39	.28		.015	.1	25	31	8
		and 20 degrees, 8% veining.	FX412940	77.39	77.98	.59		.026	.1	24	31	10
		74.88 75.96 Lapilli tuff cut by colourless to pale gray	FX412941	77.98	78.80	.82		.031	.1	28	53	12
		chalcedony veins up to 1 centimetre thick,	FX412942	78.80	79.41	.61		.012	.2	11	112	7
		4% veining.	FX412943	79.41	80.30	.89		.124	.1	29	48	18
		75.96 77.11 As above cut by gray chalcedony veining up to 1 centimetre thick with angles to core axis of 20 and 45 degree, local hairline to 1 millimetre bands, 5% veining.										
		77.11 77.39 Lapilli tuff as above, locally moderately silicified matrix, 6% chalcedony veining.										
		77.39 77.98 Lapilli tuff as above cut by 1% creamy yellow white chalcedony veining up to 5										

FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		millimetre thick.										
		77.98 78.80 Lapilli tuff as above cut by fault breccias associated with brecciated vein material.										
		78.80 79.41 Lapilli tuff as above cut by 9% creamy gray to buff chalcedony veining up to 1.5 centimetre thick, angles to core axis of 5 and 45 degrees.										
		79.41 80.30 Lapilli tuff as above, cut by 1% chalcedony veining up to 5 millimetre thick.										
80.30	81.82	FAULT Fault breccia with clasts of lapilli tuff ranging from a few millimetres to 10 centimetres in matrix of limonite -rich gouge and rock flour, essentially clast-supported.	FX412944	80.30	81.08	.78		.021	.1	40	43	14
			FX412945	81.08	81.82	.74		.020	.1	20	65	13
		80.30 81.08 As above with up to 1% vein material and chalcedony clasts.										
		81.08 81.82 As above, abundant broken core, with 3% chalcedony vein material clasts up to 1.5 centimetres thick.										
81.82	82.94	TUFF Felsic to intermediate tuff is totally clay altered, massive homogeneous and cut by no veining, pale creamy gray colour and probably mafic lapilli tuff originally.	FX412946	81.82	82.94	1.12		.013	.2	11	13	10
82.94	84.12	LAPILLI TUFF Typical mafic lapilli tuff of the Nicola with clasts up to 10 centimetres, totally clay altered, pale creamy green to tan colour, massive, no veining.	FX412947	82.94	84.12	1.18		.007	.1	19	17	11

FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
84.12	88.87	CONGLOMERATE										
		84.12 85.71 As above, with little clay alteration, core width tapers to 75% of original width toward upper contact. Comment - this rock is all clay and extremely incompetent. The lapilli tuff here is not the typical monolithic type but rather is heterolithic and may be a volcanic conglomerate.	FX412948	84.12	85.71	1.59		.032	.2	45	24	16
		85.71 86.93 Brecciated lapilli tuff as above with intense to total clay alteration, cut by 3 centimetre thick creamy tan chalcedony vein near lower contact, fractures and clast boundaries are locally marked by limonite, 3% veining.	FX412949	85.71	86.98	1.27		.077	.1	44	24	10
		86.93 87.90 As above, with moderate to intense clay alteration, good clastic texture, 1% quartz veining, up to 5 millimetre thick, This rock has been brecciated.	FX412950	86.98	87.90	.92		.013	.1	29	12	6
		87.90 88.87 As above with 1% tan chalcedony veining and minor local moderate silicification, especially at lower contact.	FX412951	87.90	88.87	.97		.048	.2	39	49	10
88.87	89.65	QUARTZ VEIN										
		Highly brecciated interval with silicified wallrocks and broken core of chalcedony and chalcedonic quartz.	FX412952	88.87	89.25	.38		.031	.2	28	22	8
		88.87 89.25 15 centimetre thick quartz vein with turgid, milky white base and creamy buff top interval cuts moderately silicified and clay altered lapilli tuff, 30% veining.	FX412953	89.25	89.65	.40		.054	.1	34	47	21

FROM m	TO m	***********************DESCRIPTION***********************	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		89.25 89.65 As above with vein breccia consisting of pale gray chalcedonic quartz matrix and tan coloured silicified clasts, all broken core and angles impossible to determine.										
89.65	90.33	FAULT										
		This zone ranges from fault breccia with moderate clay	FX412954	89.65	90.04	.39		.019	.3	66	25	13
		alteration to intensely clay altered gouge-rich zones.	FX412955	90.04	90.33	.29		.053	.1	39	18	8
		89.65 90.04 Volcanic conglomerate as above, orange brown, highly oxidized, shear fractures with some crushing, highly fractured and broken, cut by 5 centimetre chalcedony vein, cut by 1% veining.										
		90.04 90.33 Highly silicified brecciated volcanic conglomerate, oxidized along fractures, some fault breccia at lower contact, some vein material but difficult to distinguish from highly silicified wallrock.										
90.33	101.12	FAULT										
		Extensive fault zone made up mainly of fault breccia	FX412956	90.33	91.83	1.50		.022	.1	55	66	39
		with clasts varying from a few mm to 10 cm, highly	FX412957	91.83	93.33	1.50		.014	.2	41	36	30
		oxidized and much alteration to clay, colours ranging	FX412958	93.33	94.83	1.50		.004	.4	34	44	20
		from red to gray to orange to yellow brown.	FX412959	94.83	96.32	1.49		.025	.1	104	62	30
		90.33 91.83 Fault breccia as above, abundant breccia	FX412960	96.32	97.84	1.52		.078	.1	200	112	23
		with matrix of gouge, rock flour and	FX412961	97.84	98.95	1.11		.043	.2	75	206	34
		limonite, some minor chalcedony vein	FX412962	98.95	100.45	1.50		.009	.2	55	30	10
		fragments.	FX412963	100.45	101.12	.67		.029	.3	19	32	7
		91.83 93.33 Fault breccia as above, abundant broken core from 92.55 to 92.96 metres.										

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FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
93.33	94.83	As above with some shear lenses of lapilli tuff that are highly fractured, intense to total clay alteration,. This interval is a mixture of fault breccia and shear lenses cut by 1% chalcedony veining up to 5 millimetres thick.										
94.83	96.32	Fault breccia as above, abundant total clay alteration, locally unoxidized part contains 1% pyrite, cut by 2% chalcedony veining up to 5 millimetres thick, veining at 90 degrees to core axis.										
96.32	97.84	Fault breccia as above, cut by chalcedony veins up to 1 centimetre thick, angles saprolite and at 20 degrees to core axis, 3% veining. Comment - from 97.20 to 97.75 metres is a pale gray interval with pyrite stable and not oxidized as above and below, 2% pyrite in the pale gray interval.										
97.84	98.95	Highly fractured and oxidized lapilli tuff in upper half of interval fault breccia in lower half, cut by 1% chalcedony veining.										
98.95	100.45	As above but pale green gray and is start of fault footwall; oxidation is not very common starting with this interval, origial lapilli tuff is intense to totally clay altered and cut by quartz calcite stockwork with veinlets from hairline up to 5 millimetre and locally some calcite veins up to 2 centimetres, 7% veining.										
100.45	101.12	This is the end of the fault zone and consists of some shear lenses of highly fractured pale greenish gray lapilli tuff										

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FROM m	TO m	DESCRIPTION
		separated by fault breccias with gouge and rock flour matrix, up to 1% pyrite, stockwork as above with a 5 millimetre honey brown chalcedony veinlet. Comment - the stockwork is of a porphyry style and is starting to become prominent in the footwall rocks and consists of quartz and calcite, +/- pyrite.
101.12	125.53	CALC SILICATE SKARN This is the standard mafic lapilli tuff of the Nicola with mafic clasts from 2 millimetre to several centimetres, the clastic texture is commonly recognizeable. the lapilli tuff has been metamorphosed to garnet, diopside, actinolite, epidote, chlorite assemblage cut by stockwork of quartz, calcite +\- pyrite, and rare molybdenite veinlets,.The following intervals have varying degrees of stockwork and degrees of prograde and retrograde alteration.The colour of the calc silicate skarn and also the overall degree of retrograde alteration is influenced by the intensely and composition of the stockwork veinlets. 101.12 102.62 Mafic lapilli tuff as above, weakly to moderately oxidized in upper half locally along fractures, stockwork of quartz calcite +/- pyrite, 5% veining, intense clay alteration mafic lapilli tuff has been metamorphosed to garnet, diopside, actinolite, epidote, chlorite assemblage cut by stockwork of quartz, calcite +\- pyrite, and rare molybdenite

ANALYSES

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412964	101.12	102.62	1.50		.071	.3	25	50	13
FX412965	102.62	103.88	1.26		.021	.1	14	16	9
FX412966	103.88	104.21	.33		.030	.3	30	12	6
FX412967	104.21	105.71	1.50		.021	.2	80	13	6
FX412968	105.71	106.24	.53		.010	.3	13	23	3
FX412969	106.24	107.17	.93		.007	.3	18	15	1
FX412970	107.17	108.67	1.50		.013	.1	23	14	4
FX412971	108.67	109.28	.61		.011	.2	19	12	1
FX412972	109.28	109.58	.30		.019	.1	22	7	68
FX412973	109.58	111.38	1.80		.010	.4	18	14	2
FX412974	111.38	112.88	1.50		.013	.4	24	16	4
FX412975	112.88	114.38	1.50		.025	.1	6	21	3
FX412976	114.38	114.68	.30		.014	.1	13	9	7
FX412977	114.68	115.15	.47		.008	.3	13	13	4
FX412978	115.15	115.96	.81		.091	.3	11	17	15
FX412979	115.96	116.44	.48		.020	.1	13	82	2
FX412980	116.44	117.94	1.50		.008	.1	11	15	1
FX412981	117.94	119.44	1.50		.005	.1	6	21	1
FX412982	119.44	120.26	.82		.020	.2	20	15	7
FX412983	120.26	121.22	.96		.013	.1	27	13	52
FX412984	121.22	122.27	1.05		.005	.1	11	25	5

***********************DESCRIPTION***********************

FROM m	TO m	DESCRIPTION
		veinlets,.The following intervals have varying degrees of stockwork and degrees of prograde and retrograde alteration.The colour of the calc silicate skarn and also the overall degree of retrograde alteration is influenced by the intensely and composition of the stockwork veinlets.
102.62	103.88	As above cut by moderate to intense quartz calcite stockwork with up to 1% pyrite.
103.88	104.21	As above cut by intense quartz calcite pyrite stockwork that is cross cut by blue gray quartz veinlets up to 5 millimetres thick. Comment - an increase in the amount of calcite veining commonly imparts a buff colour to the rock.
104.21	105.71	As above with moderate quartz calcite stockwork and some weak to moderate limonite alteration along fractures, veinlets up to 1 centimetre thick of quartz, calcite, chlorite, pyrite.
105.71	106.24	As above cut by 7 quartz calcite veinlets with quartz variably from gray to pale gray, quartz is chalcedonic.
106.24	107.17	Calc silicate skarn as above cut by weak stockwork and a chalcedonic quartz vein with minor hairline bands at 90 degrees to core axis, veins up to 2 centimetre thick,. Comment - the intensely of argillic alteration steadily decreases from the footwall contact of the fault and argillic alteration is weak to moderate in this interval.

*******************ANALYSES*******************

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412985	122.27	123.33	1.06		.004	.3	6	29	14
FX412986	123.33	123.43	.10		.003	.4	5	54	5
FX412987	123.43	124.63	1.20		.025	.2	14	37	13
FX412988	124.63	125.53	.90		.018	.1	11	21	63

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FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
107.17	108.67	As above with weak stockwork, locally highly fractured and brecciated with chlorite along fractures.										
108.67	109.28	Calc silicate skarn as above, cut by 2% quartz calcite veining.										
109.28	109.58	As above cut by several quartz calcite veins up to 1 centimetre thick, angle to core axis of 20 degrees, 25% veining.										
109.58	111.38	Calc silicate skarn as above, chloritic alteration near upper contact, weak stockwork with quartz calcite veins up to 6 millimetre thick, vuggy with clay in centre of vein, 3% veining, one vein very fine grained molybdenite.										
111.38	112.88	As above cut by weak to moderate stockwork with veinlets up to 4 millimetre thick, minimal clay alteration and most of rock is not hydrothermally altered.										
112.88	114.38	As above with weak stockwork with quartz calcite chlorite veinlets up to 5 millimetre thick.										
114.68	115.15	Calc silicate skarn as above cut by 1 centimetre thick quartz calcite vein saprolite to core axis, wallrock is moderately chloritic.										
115.15	115.96	Calc silicate skarn as above cut by quartz calcite pyrite veinlets up to 7 millimetre thick, 2% veining, relatively unaltered rock.										
115.96	116.44	As above cut by quartz calcite pyrite veins up to 1 centimetre thick, 3% veining, also cut by 4 minor faults with										

FROM	TO	***********************DESCRIPTION***********************	SAMPLE#	FROM	TO	LENGTH	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		gouge and rock flour and some fault breccia, these faults are chloritic with some limonitic alteration of wallrock. Comment - faults in the hangingwall block are characterized by clay with strong limonite borders whereas in the footwall block, they have chlorite and clay with weak limonite borders.										
116.44	117.94	Calc silicate skarn as above, unaltered with weak quartz calcite pyrite stockwork with local chloritic envelopes, veining up to 1 centimetre thick, 4% veining.										
117.94	119.44	As above with weak stockwork, veining up to 3 millimetre thick, 2% veining.										
119.44	120.26	As above cut by intense stockwork of quartz calcite pyrite up to 1 centimetre thick, 9% veining.										
120.26	121.22	As above cut by several 1 to 2 centimetre thick quartz calcite with minor pyrite veins, angles to core axis of 30 and 150 degrees, 9% veining, pale green fault at lower contact with 8 centimetre of gouge and rock flour.										
121.22	122.27	Calc silicate skarn as above with moderate to intense stockwork, cut by up to 1 centimetre thick quartz calcite veinlets, 3% veining.										
122.27	123.33	As above with moderate stockwork of quartz calcite pyrite with chloritic envelopes , 3% veining.										
123.33	123.43	As above cut by lensy quartz vein up to 3 centimetre thick, chloritic envelope ,										

FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		vein angle to core axis is 45 degrees and is cross cut by a 3 millimetre veinlet at 135 degrees, 25% veining, quartz is massive and pale milky gray colour.										
		123.43 124.63 As above with moderate stockwork of quartz calcite pyrite up to 1 centimetre thick, 5% veining.										
		124.63 125.53 Calc silicate skarn as above, garnet common, most stockwork up to 5 millimetre thick, 3% veining.										
125.53	125.77	FAULT Gouge and rock flour-rich fault with 5 centimetre thick calcite pyrite veining in centre , pale green with limonite alteration at borders.	FX412989	125.53	125.77	.24		.018	.1	31	19	17
125.77	126.92	CALC SILICATE SKARN Typical calc silicate skarn as above with patchy garnet, diopside, actinolite and local retrograde alteration to epidote and chlorite, quartz calcite stockwork is developed in these rocks. 125.77 126.92 Calc silicate skarn as above with moderate quartz calcite stockwork up to 1 centimetre thick with rare pyrite.	FX412990	125.77	126.92	1.15		.010	.1	22	13	7
126.92	127.21	FAULT Sheared clay and chlorite -rich zone with lenses of quartz and calcite up to 1 centimetre thick, foliation is 90 degrees to core axis and vein material is in	FX412991	126.92	127.21	.29		.011	.1	34	16	25

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**********************DESCRIPTION**********************

FROM m | TO m

flaser lenses parallel to foliation.

127.21 140.37 CALC SILICATE SKARN

Typical calc silicate skarn.

127.21 127.77 Calc silicate skarn as above with moderate to intense quartz calcite stockwork, veins up to 3 centimetres thick, angle to core axis of 90 and 50 degrees, disseminated patchy pyrite about 2%, 8% veining.

127.77 129.44 As above with weak to moderate stockwork up to 5 millimetre thick, 3% veining.

129.44 129.72 As above cut by 1.5 centimetre thick quartz calcite pyrite vein with angle to core axis of 10 degrees, 20% veining.

129.72 130.34 As above with weakly developed stockwork up to 3 millimetre and at 129.84 metres about 4 centimetres of pale green gouge and rock flour with a fragment of massive creamy white quartz that is 1.5 centimetre thick, 3% veining.

130.34 131.15 As above cut by quartz calcite pyrite veins up to 2 centimetres thick with angles to core axis of 20, 30 and 90 degrees, veins are crudely banded with chlorite selvage, about 15% veining.

131.15 132.15 As above but more quartz calcite stockwork and more discrete veins up to 2.5 centimetres thick, angle to core axis of 75 degrees, moderate to intense stockwork, 12% veining.

132.15 132.93 As above but bleached and cut by fractures

******************ANALYSES******************

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX412992	127.21	127.77	.56		.020	.4	24	31	27
FX412993	127.77	129.44	1.67		.009	.3	37	31	41
FX412994	129.44	129.72	.28		.005	.1	63	76	25
FX412995	129.72	130.34	.62		.005	.3	35	7	43
FX412996	130.34	131.15	.81		.014	.2	32	27	45
FX412997	131.15	132.15	1.00		.007	.2	28	19	27
FX412998	132.15	132.93	.78		.012	.2	36	15	11
FX412999	132.93	133.29	.36		.015	.3	44	7	120
FX413000	133.29	133.78	.49		.009	.2	8	6	4
FX413001	133.78	134.15	.37		.027	.1	14	9	703
FX413002	134.15	135.56	1.41		.008	.4	16	16	11
FX413003	135.56	137.06	1.50		.014	.6	21	32	15
FX413004	137.06	138.49	1.43		.004	.4	13	152	8
FX413005	138.49	139.30	.81		.022	.5	16	29	46
FX413006	139.30	140.37	1.07		.008	.4	14	32	69

FROM m	TO m	***********************DESCRIPTION***********************	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		along which there is limonitic, gouge and fault breccia at lower contact, calcite veining up to 2 centimetres thick associated with fault and oxidation, bleached wallrock is intensely clay altered, 9% calcite veining.										
132.93	133.29	Calc silicate skarn cut by intense quartz calcite vein stockwork and veining, 8 centimetre thick quartz calcite vein breccia with black to dark gray quartz and abundant calcite vein material clasts, angle to core axis is 70 degrees, also a 2 centimetre thick calcite vein, 35% veining.										
133.29	133.78	Calc silicate skarn as above cut by moderate stockwork of calcite with chlorite selvage.										
133.78	134.15	As above with moderate to intense stockwork, cut by quartz calcite vein 2 centimetres thick, with angle to core axis of 45 degrees, 18% veining, 1% disseminated molybdenite in patches up to 1 centimetre long.										
134.15	135.56	Calc silicate skarn as above, cut by weak stockwork with veinlets up to 5 millimetre thick, 4% quartz calcite veining.										
135.56	137.06	Calc silicate skarn as above with weak quartz calcite pyrite stockwork, veins up to 1 centimetre thick, angle to core axis of 35 degrees.										
137.06	138.49	Calc silicate skarn as above with weak stockwork of quartz calcite pyrite up to 6 millimetre thick, 3% veining, pervasive										

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FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		biotite alteration in lower 50 centimetres, veining at angle of 35 degrees to core axis.										
		138.49 139.30 Calc silicate skarn as above with biotite alteration at upper contact, cut by quartz calcite pyrite veining up to 1.5 centimetres thick, angles to core axis of 5, 10 and 30 degrees, 15% veining.										
		139.30 140.37 As above cut by weak to moderate quartz calcite pyrite stockwork, trace molybdenite along fractures, 5% veining, up to 1.5 centimetres thick, angle to core axis is 30 degrees.										
140.37	145.08	TUFF										
		Fine to medium grained, relatively homogeneous brown gray to green gray, no obvious layering but definite clastic texture.	FX413007	140.37	141.13	.76		.008	.6	30	42	32
			FX413008	141.13	141.37	.24		.025	.5	145	34	23
			FX413009	141.37	141.84	.47		.011	.6	59	137	58
		140.37 141.13 As above cut by quartz calcite vein with angle to core axis of 30 degrees, up to 1 centimetre thick, 4% veining, upper contact in bedding relationship to calc silicate skarn at angle of 30 degrees to core axis.	FX413010	141.84	142.04	.20		.031	.9	37	75	16
			FX413011	142.04	143.40	1.36		.007	.5	18	87	78
			FX413012	143.40	143.63	.23		.002	.2	26	58	9
			FX413013	143.63	145.08	1.45		.005	.4	31	50	169
		141.13 141.37 Tuff as above cut by 6 centimetre thick quartz calcite vein with angle to core axis of 65 degrees, 30% veining, bleached clay alteration of wallrock.										
		141.37 141.83 Brown tuff with weak to moderate calcite stockwork up to 3 millimetre thick, 4% veining.										

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		141.83 142.04 Tuff cut by quartz calcite pyrite vein up to 2 centimetre thick, angle to core axis of 35 degrees, 10% veining.										
		142.04 143.40 Brown biotitic tuff cut by quartz calcite veinlets up to 1 centimetre thick, 3% veining, weak stockwork.										
		143.40 143.68 As above cut by 10 centimetre thick fault made up of gouge and rock flour with 1 centimetre thick calcite vein in centre, angle to core axis about 45 degrees but difficult to determine, 4% veining.										
		143.68 145.08 Tuff with moderate stockwork of quartz calcite and pyrite, up to 1 centimetre thick, 5% veining, angles to core axis of 10 degrees and parallel to core axis.										
145.08	146.68	CALC SILICATE SKARN										
		Typical calc silicate skarn developed after mafic lapilli tuff, diopside, garnet, actinolite with retrograde alteration to chlorite common.	FX413014	145.08	146.68	1.60		.011	.5	32	23	138
		145.08 146.68 Calc silicate skarn as above cut by quartz calcite veins up to 7 millimetre thick with angles to core axis of 30 and 70 degrees, 3% veining, moderate stockwork, one 20 centimetre interbed of tuff, upper contact of calc silicate skarn with tuff at 30 degrees to core axis.										
146.68	146.99	QUARTZ VEIN										
		Crudely banded quartz calcite pyrite vein with gray to	FX413015	146.68	146.99	.31		.040	.4	49	18	99

FROM m	TO m	***DESCRIPTION***	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		black quartz interbanded with white calcite, 10 centimetre vein at 30 degrees to core axis, 2% pyrite, 15% veining.										
146.99	148.50	CALC SILICATE SKARN										
		Calc silicate skarn as above cut by quartz calcite pyrite veining up to 1 centimetre thick, weakly developed stockwork, 3% veining.	FX413016	146.99	148.50	1.51		.009	.6	23	29	7
148.50	150.29	TUFF										
		Typical brown tuff.	FX413017	148.50	148.68	.18		.014	.5	24	69	15
		148.50 148.68 Tuff cut by 2 centimetre thick quartz	FX413018	148.68	149.69	1.01		.004	.8	36	120	36
		calcite vein, black quartz border and	FX413019	149.69	150.29	.60		.007	.6	38	122	331
		white calcite core, angle to core axis is 35 degrees, 25% veining.										
		148.68 149.69 As above cut by two faults with chlorite and limonite alteration on either side , faults are at 149.03 to 149.15 and 149.50 to 149.57, tuff is also cut by calcite veins up to 1 centimetre thick, 5% veining with angle to core axis of 35 to 40 degrees										
		149.69 150.29 Tuff as above cut by moderate to intense quartz calcite pyrite stockwork, 8% veining										
150.29	167.98	CALC SILICATE SKARN										
		High grade diopside, wollastonite (?) garnet calcite	FX413020	150.29	151.68	1.39		.001	.2	4	17	26
		assemblage , pale creamy green.	FX413021	151.68	152.89	1.21		.005	.1	7	10	6
		150.29 151.68 Calc silicate skarn as above with gneissic	FX413022	152.89	153.30	.41		.010	.8	74	21	11
		foliation at 30 degrees to core axis, cut	FX413023	153.30	155.05	1.75		.010	.5	30	15	13

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DESCRIPTION

FROM m	TO m	DESCRIPTION
		by up to 1% calcite veining, very weak stockwork.
151.68	152.89	As above cut by quartz calcite veins up to 5 millimetre thick, 3% veining, foliation at 30 degrees to core axis.
152.89	153.30	As above but locally fractured and cut by fault slips with chlorite and limonite alteration.
153.30	155.05	Calc silicate skarn as above cut by quartz calcite pyrite veins up to 1 centimetre thick, 2% veining, weak stockwork.
155.05	155.27	As above cut by 1 centimetre thick fault with gouge and rock flour, bordered by 2 centimetre thick calcite vein concordant to fault and with angle to core axis of 50 degrees, chlorite and limonite alteration in wallrock, 8% veining.
155.27	156.75	Calc silicate skarn as above with well developed garnet and diopside , gneissic foliation at 35 degrees to core axis, calcite quartz veins up to 7 millimetre thick concordant to foliation, 2% veining.
156.75	156.90	As above cut by 1 centimetre thick quartz vein with disseminated pyrite in wallrocks up to 3 centimetre, vein at angle of 45 degrees to core axis, 10% veining.
156.90	158.40	Calc silicate skarn as above with buckshot texture due to porphyroblastic actinolite ? garnet in diopside matrix, cut by quartz calcite veins up to 5 millimetre thick with chloritic envelopes, 3% veining
158.40	159.90	As above.

ANALYSES

SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
FX413024	155.05	155.27	.22		.008	.4	77	13	7
FX413025	155.27	156.75	1.48		.013	.4	16	21	23
FX413026	156.75	156.90	.15		.012	.4	143	28	4
FX413027	156.90	158.40	1.50		.005	.5	8	12	2
FX413028	158.40	159.90	1.50		.002	.3	9	9	13
FX413029	159.90	160.84	.94		.011	.6	49	44	16
FX413030	160.84	161.85	1.01		.010	.4	28	50	22
FX413031	161.85	162.05	.20		.007	.1	21	15	11
FX413032	162.05	163.66	1.61		.005	.4	20	38	60
FX413033	163.66	163.85	.19		.004	.1	12	8	61
FX413034	163.85	165.55	1.70		.013	.1	46	13	42
FX413035	165.55	165.95	.40		.012	.3	34	14	34
FX413036	165.95	167.00	1.05		.099	.2	18	9	32
FX413037	167.00	167.98	.98		.025	.4	9	8	40

FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
159.90	160.84	Calc silicate skarn and tuff cut by moderate quartz calcite stockwork hairline to 1 centimetre thick, also cut by fault at 160.14 to 160.18 metres, fault gouge with quartz and calcite vein chips, fault foliation at 80 degrees to core axis, 4% veining.										
160.84	161.85	Tuff and calc silicate skarn as above cut by quartz calcite veins up to 1.5 centimetre thick with angle to core axis of 30 degrees, weak to moderate stockwork, 5% veining, disseminated pyrite common in wallrock to vein.										
161.85	162.05	Calc silicate skarn cut by 2.5 centimetre thick crudely banded quartz calcite vein with angle to core axis of 30 degrees, disseminated pyrite in wallrock, 20% veining.										
162.05	163.66	Intercalated tuff and calc silicate skarn, cut by moderate quartz calcite stockwork with veinlets up to 3 millimetre thick, 2% veining.										
163.66	163.85	Calc silicate skarn as above cut by 5 centimetre thick quartz calcite vein with angle to core axis of 45 degrees, vein is lensy and faulted, 25% veining.										
163.85	165.55	Calc silicate skarn as above cut by moderate to intense stockwork of quartz calcite pyrite, veinlets up to 1 centimetre thick, 3% veining.										
165.55	165.95	As above cut by 3 centimetre thick calcite vein with minor quartz, angle to core axis										

FROM m	TO m	DESCRIPTION	SAMPLE#	FROM m	TO m	LENGTH m	MIN %	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM
		of 30 degrees concordant to foliation, 20% veining, wallrock is moderately to intensely clay altered.										
		165.95 167.00 Calc silicate skarn as above with weak to moderate quartz calcite stockwork, veinlets up to 5 millimetre thick, 3% veining,. This is a good prograde diopside-rich skarn.										
		167.00 167.98 As above with quartz calcite vein up to 1 centimetre thick, angle to core axis of 30 degrees, nil to weak stockwork, 2% veining										
167.98	169.47	DIKE										
		Pale, gray medium grained quartz feldspar felsic dike	FX413038	167.98	168.66	.68		.078	1.2	11	12	19
		with weak to moderate stockwork FOOT OF HOLE AT 169.47	FX413039	168.66	169.47	.81		.010	.4	16	20	43
		METRES.										
		167.98 168.66 Dike as above cut by quartz calcite vein up to 2 centimetres thick, angle to core axis of 25 degrees, moderate stockwork, generally 1 millimetre thick with quartz, calcite and chlorite, dike is not hydrothermally altered other than along fractures.										
		168.66 169.47 As above with 1 centimetre thick quartz calcite vein at upper contact, moderate stockwork,.										

** INCO **

DRILL LOG

BOREHOLE :72482-0 PRINT DATE :18-AUG-1989 07:49

PROJECT	: Epi- Gnome						
Latitude	: 47.00N	Departure	: 182.00E	Elevation	: 1092.00m	Hole length	: 254.86m
NTS/Quad	: 92P-2W	Logged by	: J.A. Morin	Assay req.	: Acme Analytical - ICP &	Level	: Surface
Country	: Canada	Drilled by	: Beaupre Diamond Drilling	Test Method	: Acid etch tube	Grid name	:
Prov./state	: B.C.	Drill type	: Longyear 38	Started	: 12 MAY, 1989	BL azimuth	: 358.5 degrees
Twp/County	:	Core size	: NQWL to 229.21; BQ to 254	Completed	: ne	BH bearing	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	270.00	-60.00	62.79	-1.00	-57.00	123.74	-1.00	-57.50	254.80	-1.00	-58.50

COMMENTS : **

LEFT IN HOLE Nothing left in hole

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
0.00	13.82	CALC SILICATE SKARN										
		mEdium to green to dark green	0.00	7.45	7.45	FX 413051	0.013	0.200	23.0	42.	6.	-
		chloritic calc silicate skarn with	7.45	8.84	1.39	FX 413052	0.011	0.300	25.0	81.	6.	-
		actinolite and diopside, crude flaser	8.84	9.93	1.09	FX 413053	0.014	0.100	21.0	64.	4.	-
		type foliation, this zone near surface	9.93	10.37	0.44	FX 413054	0.009	0.200	21.0	37.	12.	-
		is intensely oxidized down to 23.18	10.37	11.89	1.52	FX 413055	0.001	0.600	14.0	72.	4.	-
		metres	11.89	13.15	1.26	FX 413056	0.017	0.500	33.0	37.	8.	-
		0.00 7.45 Chloritic calc silicate	13.15	13.82	0.67	FX 413057	0.014	0.100	34.0	44.	9.	-
		skarn as above, cut by quartz calcite veins up to 1 centimetre thick at 20 degrees to core axis and also parallel, 3% veining, mainly weathered and oxidized with moderate limonite patchy alteration and limonite rinds around fresher rock as above cut by crudely										

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

banded chalcedony calcite vein at 20 degrees to core axis, locally strong oxidation and clay alteration to gouge suggests faulting at lower contact, 3% veining up to 1 centimetre thick

8.84 9.93 As above, but mainly unaltered, with some oxidation near lower contact, cut by less than 1% calcite veining up to 3 millimetre thick

9.93 10.37 As above oxidized calc silicate skarn cut by quartz calcite veins up to 4.5 centimetres thick with angle to core axis of 45 degrees and 60 degrees, 10% veining

10.37 11.89 Chloritic calc silicate skarn as above, variably oxidized, abundant broken core from 10.97 to lower contact, mislatch at 10.97, 1% veining

11.89 13.15 Oxidized lapilli tuff as above, intensely clay and chlorite altered, cut by weak calcite stockwork up to 5 millimetres thick, 2% veining

13.15 13.82 As above, but intense to total clay alteration with abundant limonite alteration, this may be site of a fault, or hydrothermal vein alteration, Miocene ? ash at upper contact from 13.15 to 13.23, ash probably introduced along a fracture to surface

13.82 14.06 QUARTZ VEIN

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		16 centimetres thick chalcedony vein with local hairline banding at 40 degrees to core axis, chalcedonic quartz variable from colourless to white to honey brown colour, minor lithic clasts are chlorite and clay altered	13.82	14.06	0.24	FX 413058	0.055	0.900	7.0	697.	190.	-
14.06	18.54	LAPILLI TUFF										
		Typical mafic lapilli tuff	14.06	15.56	1.50	FX 413059	0.006	0.100	10.0	51.	10.	-
		of the Nicola, with equant to lensy	15.56	17.04	1.48	FX 413060	0.013	0.400	41.0	46.	6.	-
		mafic fragments from several millimetres up to a few centimetres, locally variably altered to calc silicate skarn, but clastic texture definitely recognizable	17.04	18.54	1.50	FX 413061	0.004	0.300	18.0	76.	8.	-
		14.06 15.56 Oxidized lapilli tuff cut by weak to moderate quartz calcite stockwork with 2% veining up to 3 millimetres thick, all of interval is weakly oxidized										
		15.56 17.04 As above cut by weak stockwork of calcite quartz veins up to 6 millimetres thick, 3% veining										
		17.04 18.54 Unaltered fresh mafic lapilli tuff, with incipient skarnification to actinolite and diopside, quartz calcite veining up to 1 centimetre thick with angle to core axis of 60 degrees, 2% veining, purple brown biotite alteration(?) next to veins										
18.54	22.58	CALC SILICATE SKARN										
		This transition zone between	18.54	20.04	1.50	FX 413062	0.005	0.800	12.0	108.	9.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		lapilli tuff and calc silicate skarn is	20.04	21.32	1.28	FX 413063	0.015	0.600	32.0	37.	17.	-
		still marked by a recognizable clastic	21.32	22.58	1.26	FX 413064	0.009	0.400	7.0	28.	2.	-
		texture but there is a prominent appearance of metamorphic minerals such as biotite and diopside actinolite, and garnet with local retrograde alteration to chlorite										
		18.54 20.04 As above cut by quartz calcite veins up to 2 centimetres thick with angles to core axis of 45 degrees, 4% veining, fine grained disseminated pyrite 1%										
		20.04 21.32 As above with weak stockwork, with quartz calcite pyrite veins up to 1 centimetre thick with angle to core axis of 45 degrees and 5 degrees										
		21.32 22.58 As above with weak stockwork of quartz calcite pyrite up to 5 millimetre thick, foliation has angle to core axis of 35 degrees, less than 2% veining										
22.58	23.04	FAULT										
		Fault with gouge and broken	22.58	23.04	0.46	FX 413065	0.010	0.400	32.0	27.	8.	-
		core and minor fault breccia near upper contact, total chlorite and clay alteration										
23.04	36.65	CALC SILICATE SKARN										
		Typical calc silicate skarn	23.04	23.47	0.43	FX 413066	0.013	0.800	38.0	19.	6.	-
		23.04 23.47 Calc silicate skarn with 5	23.47	25.92	2.45	FX 413067	0.004	0.600	18.0	78.	9.	-
		millimetre to 1 centimetre size mafic	25.92	26.23	0.31	FX 413068	0.017	0.300	24.0	30.	11.	-
		chloritic clasts cut by quartz calcite	26.23	27.74	1.51	FX 413069	0.008	0.700	17.0	31.	11.	-
		fluorite pyrite veins with crude flaser	27.74	27.94	0.20	FX 413070	0.011	0.700	51.0	39.	98.	-

** INCO **

DRILL LOG

FROM (m) TO (m) DESCRIPTION

banding, at 30 degrees and 45 degrees to core axis, up to 1 centimetre thick, 8% veining

23.47 25.92 Calc silicate skarn as above, with weak calcite stockwork up to 1 centimetre thick, patchy calcite pyrite veining locally, 3% veining

25.92 26.23 Calc silicate skarn as above with 4% concordant calcite vein or marble horizons up to 2 centimetres thick, 2% weak calcite stockwork with veins up to 1 centimetre thick

26.23 27.74 As above with equant chloritic mafic clasts from 3 millimetre up to 1 centimetre, this calc silicate skarn contains garnet diopside and chlorite after actinolite, cut by quartz calcite stockwork up to 1 centimetre thick, especially near lower contact, 4% veining

27.74 27.94 As above cut by 4 centimetre quartz calcite vein pyrite vein with stoped wall rock clasts parallel to veining at 45 degrees to core axis, 30% veining

27.94 28.32 Calc silicate skarn as above, with less than 1% calcite veining looks like patchy biotite retrograde alteration

28.32 29.66 Oxidized and intense to total clay and chlorite alteration of calc silicate skarn, quartz calcite

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
27.94	28.32	0.38	FX 413071	0.001	0.600	48.0	87.	16.	-
28.32	29.66	1.34	FX 413072	0.023	0.400	42.0	86.	31.	-
29.66	30.77	1.11	FX 413073	0.001	0.300	12.0	113.	7.	-
30.77	31.88	1.11	FX 413074	0.007	0.400	10.0	48.	11.	-
31.88	32.58	0.70	FX 413075	0.017	0.600	17.0	48.	3.	-
32.58	33.34	0.76	FX 413076	0.001	0.800	7.0	31.	7.	-
33.34	33.94	0.60	FX 413077	0.018	1.000	40.0	26.	30.	-
33.94	35.36	1.42	FX 413078	0.006	0.800	23.0	17.	107.	-
35.36	35.44	0.08	FX 413079	0.016	0.400	11.0	15.	11.	-
35.44	36.65	1.21	FX 413080	0.017	0.500	24.0	56.	29.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

veining at 20 degrees to core axis and at 50 degrees to core axis, up to 7 millimetre thick, locally chloritic and sheared at 29.09 metres probably indicates fault in center of zone, fault chlorite foliation at 30 degrees to core axis

29.66 30.77 Calc silicate skarn with weak stockwork of calcite quartz veinlets up to 3 millimetre thick, less than 2% veining

30.77 31.88 As above cut by calcite veinlets up to 5 millimetre thick, less than 2% veining

31.88 32.58 As above cut by moderate stockwork of quartz calcite veins up to 1 centimetre thick with angles to core axis of 70 degrees and 50 degrees, 6% veining, minor limonite and chlorite alteration at upper contact and lower contact

32.58 33.34 Calc silicate skarn as above cut by weak quartz calcite veinlet stockwork up to 5 millimetre thick, 1% veining

33.34 33.94 Oxidized clay and chlorite altered zone with quartz calcite veins up to 4 centimetre thick concordant with fault foliation at 55 degrees to core axis, 10% veining as above cut by weak stockwork of quartz calcite veins up to 6 millimetre thick, with angles to core axis of 20 degrees and 60

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		degrees, 2% disseminated patchy pyrite throughout, 3% veining calc silicate skarn as above, 1.5 centimetre thick quartz calcite vein, with angle to core axis of 50 degrees, hanging wall and footwall are moderately limonitized, especially matrix, 20% veining										
		35.44 36.65 Calc silicate skarn as above, with weak to moderate quartz calcite stockwork, with chlorite selvage, rock is hard, pervasive disseminated fine grained pyrite 1% to 2%, quartz calcite veining up to 3 millimetre thick, 2% veining										
36.65	37.08	FAULT										
		Calc silicate skarn as above cut by quartz healed fault breccia at 10 centimetre thick, with chalcedonic quartz veins up to 1 centimetre thick at edges and in center of breccia with angle to core axis of 60 degrees, interval is weakly to moderately limonitic, and 15% quartz calcite veining	36.65	37.08	0.43	FX 413081	0.031	1.500	37.0	61.	199.	-
37.08	39.22	CALC SILICATE SKARN										
		Typical calc silicate skarn with garnet diopside, actinolite and biotite calc silicate skarn as above cut by weak to moderate quartz calcite stockwork with veins up to 1 centimetre thick, 8% veining	37.08	38.17	1.09	FX 413082	0.009	0.700	49.0	83.	9.	-
			38.17	39.22	1.05	FX 413083	0.002	0.500	18.0	39.	6.	-
		38.17 39.22 Calc silicate skarn as above cut by weak of stockwork quartz calcite										

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		pyrite up to 5 millimetre thick, 3% veining										
39.22	39.36	FAULT Calc silicate skarn cut by fault with gouge and rock flour at upper contact, and limonitic fault breccia, all cut by calcite vein with angle to core axis of 60 degrees and concordant with fault foliation, 4 centimetre thick calcite vein has chloritic ribbons, and is at middle of interval.	39.22	39.36	0.14	FX 413084	0.012	0.400	29.0	172.	20.	-
39.36	40.67	CALC SILICATE SKARN Calc silicate skarn with diopside, garnet, actinolite and biotite 39.36 40.67 Calc silicate skarn as above cut by quartz calcite pyrite veins up to 1 centimetre thick, with angle to core axis of 90 degrees, 45 degrees, 5 degrees, weak stockwork, 5% veining	39.36	40.67	1.31	FX 413085	0.014	0.600	40.0	36.	2.	-
40.67	40.94	FAULT Typical calc silicate skarn cut by fault with moderate to intense limonite and clay alteration in wall rocks, gouge and fault breccia in center of interval, 3 centimetre thick quartz calcite vein breccia immediately below fault breccia veining, with angle to core axis of 70 degrees, vein material is faulted into flaser lenses, 12% veining	40.67	40.94	0.27	FX 413086	0.033	0.600	45.0	23.	23.	-
40.94	41.13	CALC SILICATE SKARN										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		Typical calc silicate skarn with 2% calcite veins up to 3 millimetre thick	40.94	41.13	0.19	FX 413087	0.006	2.900	61.0	25.	2.	-
41.13	42.27	QUARTZ VEIN										
		Limonitic and clay altered calc silicate skarn is cut by chalcedonic quartz vein and vein breccia, crackle breccia in upper interval and relatively massive vein in lower interval	41.13	41.69	0.56	FX 413088	0.006	0.800	58.0	23.	19.	-
			41.69	42.27	0.58	FX 413089	0.187	1.400	60.0	89.	207.	-
		41.13 41.69 Clay and limonite altered calc silicate skarn cut by calcite veins up to 1 centimetre thick, in irregular pattern, 30% veining mainly all calcite										
		41.69 42.27 Brecciated, limonitic and clay altered calc silicate skarn cut by chalcedonic quartz veins (?), local hairline banding, quartz colour from black to colourless to white to buff, banding in vein appears to be gravitational and geopetal, thin white clay or gypsum (?) seams aproximately 1 millimetre thick are locally interbanded with quartz, upper contact of vein is 10 degrees with core axis, lower contact of vein at 20 degrees, geopetal layering at 60 degrees to core axis locally and this angle may reflect horizontal, 40% veining										
42.27	42.78	CALC SILICATE SKARN										
		42.27 42.78 Calc silicate skarn footwall to vein above, intense to moderate	42.27	42.78	0.51	FX 413090	0.016	1.600	59.0	17.	41.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		limonite alteration in upper half of interval, gouge and fault breccia upper contact, lower contact is chloritic and less oxidized, cut by typical weak calcite stockwork up to 2 millimetre thick, Comment - vein above appears to consist of chalcedonic quartz with overlying crackle breccia and or stringer zone of calcite veinlets and underlying footwall that is more limonitic than hanging wall but not especially veined, 3% veining											
42.78	43.26	FAULT Typical oxidized quartz calcite vein fault system, limonitic and clay altered calc silicate skarn cut by fractured quartz calcite veins up to 4 centimetres thick, 25% veining, center of interval is gouge and fault breccia, with lithic and vein material clasts, fault breccia foliation with angle to core axis of 50 degrees .Comment - this vein fault or fault and chalcedonic quartz and calcite association is the typical epithermal overprint on the earlier calc silicate skarn and stockwork system	42.78	43.26	0.48	FX 413091	0.010	0.600	62.0	26.	26.	-
43.26	44.23	CALC SILICATE SKARN Garnet diopside actinolite calc silicate skarn, cut by moderate quartz calcite stockwork system, with veinlets up to 5 millimetre thick, local limonite oxidization along 1	43.26	44.23	0.97	FX 413092	0.010	0.700	13.0	24.	4.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		fracture, 7% veining										
44.23	44.83	CALC SILICATE SKARN										
		Oxidized calc silicate	44.23	44.83	0.60	FX 413093	0.013	1.200	37.0	16.	19.	-
		skarn, cut by calcite veins at 60										
		degrees to core axis with local										
		sheeting and injection of 5 millimetre										
		thick veins between 1 to several										
		centimetre thick lithic slabs, 10%										
		veining, calc silicate skarn is										
		moderately to intensely limonite and										
		clay altered										
44.83	46.15	CALC SILICATE SKARN										
		Calc silicate skarn with	44.83	46.15	1.32	FX 413094	0.009	0.600	22.0	24.	12.	-
		garnet diopside actinolite, cut by 10										
		centimetre thick oxidized zone in										
		center of interval, cut by weak calcite										
		veinlet stockwork up to 1.5 centimetre										
		thick, 7% veining										
46.15	47.11	FAULT										
		Oxidized moderate limonite	46.15	47.11	0.96	FX 413095	0.021	0.600	49.0	20.	51.	-
		and clay altered calc silicate skarn,										
		with minor local gouge, cut by calcite										
		veins up to 1.5s centimetre thick with										
		common angle to core axis of 50										
		degrees, 7% veining										
47.11	70.46	CALC SILICATE SKARN										
		Typical calc silicate skarn	47.11	47.49	0.38	FX 413096	0.001	0.600	63.0	12.	53.	-
		with garnet diopside actinolite calc	47.49	48.01	0.52	FX 413097	0.011	0.700	39.0	16.	17.	-
		silicate skarn	48.01	49.53	1.52	FX 413098	0.004	0.700	13.0	35.	4.	-
		47.11 47.49 Calc silicate skarn cut by	49.53	51.03	1.50	FX 413099	0.006	0.400	9.0	32.	2.	-
		moderate to intense stockwork of	51.03	52.59	1.56	FX 413100	0.008	0.100	6.0	20.	5.	-
		calcite veinlets up 5 millimetre thick,	52.59	52.98	0.39	FX 413101	0.067	0.200	38.0	30.	102.	-
		4% veining	52.98	54.00	1.02	FX 413102	0.005	0.300	14.0	43.	2.	-

** INCO **

DRILL LOG

FROM (m) | TO (m) | DESCRIPTION

47.49 48.01 Calc silicate skarn as above with oxidization near upper and lower contact, cut by quartz calcite veins up to 2 centimetre thick with angle to core axis of 45 degrees and 60 degrees and parallel to core axis veins locally vuggy, 8% veining

48.01 49.53 Garnet diopside actinolite skarn calc silicate skarn cut by a moderate stockwork of quartz calcite, 6% veining

49.53 51.03 Calc silicate skarn as above cut by weak calcite stockwork with minor quartz up to 2 centimetres thick, with angle to core axis of 65 degrees, 3% veining

51.03 52.59 Calc silicate skarn as above cut by quartz calcite veining up to 1.5 centimetre thick with angle to core axis of 40 degrees, 2% veining

52.59 52.98 Calc silicate skarn cut by oxidized fault in middle of interval, with gouge and minor fault breccia and quartz veins at 60 degrees to core axis and up to 1 centimetre thick, 8% quartz veining

52.98 54.09 Calc silicate skarn as above, cut by calcite veins up to 3 millimetres thick, 1% veining, nil to weak stockwork .

54.09 54.60 Calc silicate skarn as above cut by quartz calcite veining up to 4.5 centimetre thick, it includes black to

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
54.00	54.60	0.60	FX 413103	0.008	0.100	33.0	40.	13.	-
54.60	55.05	0.45	FX 413104	0.012	0.300	23.0	76.	10.	-
55.05	55.34	0.29	FX 413105	0.054	0.700	61.0	34.	99.	-
55.34	56.84	1.50	FX 413106	0.007	0.200	35.0	26.	6.	-
56.84	58.34	1.50	FX 413107	0.014	0.200	39.0	39.	14.	-
58.34	59.84	1.50	FX 413108	0.003	0.300	18.0	34.	1.	-
59.84	61.34	1.50	FX 413109	0.002	0.100	11.0	18.	1.	-
61.34	62.91	1.57	FX 413110	0.003	0.100	12.0	32.	1.	-
62.91	64.41	1.50	FX 413111	0.004	0.300	13.0	34.	3.	-
64.41	64.69	0.28	FX 413112	0.001	0.100	15.0	20.	5.	-
64.69	66.18	1.49	FX 413113	0.005	0.500	26.0	19.	4.	-
66.18	66.36	0.18	FX 413114	0.739	3.200	38.0	29.	178.	-
66.36	67.23	0.87	FX 413115	0.011	0.100	16.0	16.	6.	-
67.23	67.72	0.49	FX 413116	0.021	0.900	34.0	19.	28.	-
67.72	69.00	1.28	FX 413117	0.003	0.500	15.0	47.	4.	-
69.00	70.19	1.19	FX 413118	0.003	0.300	17.0	29.	3.	-
70.19	70.46	0.27	FX 413119	0.006	0.100	55.0	24.	95.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

colourless quartz, and white calcite, angle to core axis is 30 degrees, alteration to wallrock is minimal and this is probably a porphyry -related vein, 20% veining

54.60 55.05 Calc silicate skarn as above cut by weak to moderate quartz calcite veinlet stockwork, up to 3 millimetre thick, lower contact of interval is at 55.05 metres

55.05 55.34 Quartz calcite vein at 55 degrees to core axis cuts calc silicate skarn, 2 veins each 6 millimetre thick have an intensely clay altered hanging wall and a limonitic intensely clay altered footwall, 6% veining of epithermal suite, vein has borders of quartz and core of calcite with a central rim of limonite

55.34 56.84 Calc silicate skarn as above cut by moderate quartz calcite stockwork up to 2 centimetre thick, with angle to core axis of 45 degrees, 4% veining

56.84 58.34 Calc silicate skarn as above, cut by weak to moderate quartz calcite stockwork up to 5 millimetre thick, 3% veining

58.34 59.84 Calc silicate skarn as above cut by weak to moderate stockwork of quartz calcite veining up to 1 centimetre thick, 3% veining

59.84 61.34 Calc silicate skarn as above

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

garnet diopside actinolite, cut by quartz calcite veining up 1 centimetre thick, weak stockwork locally, 2% veining

61.34 62.91 Calc silicate skarn as above, cut by weak quartz calcite stockwork up to 5 millimetre thick, less than 2% veining

62.91 64.41 Calc silicate skarn as above with garnet diopside actinolite, cut by quartz calcite veins up to 4 millimetre thick, very weak stockwork, less than 2% veining

64.41 64.69 As above cut by calcite veins up to 1 centimetre thick with angle to core axis of 70 degrees, 9% veining

64.69 66.18 Calc silicate skarn as above cut by stockwork of quartz calcite veins up to 5 millimetre thick less than 2% veining

66.18 66.36 As above cut by chalcedonic quartz vein ranging from black to gray to colourless, gouge at lower contact, vein angle parallel to 30 degrees to core axis, more than 2 centimetre thick and contains chloritic altered lithic clasts, 10% veining

66.36 67.23 Calc silicate skarn as above cut by nil to very weak stockwork quartz calcite up to 2 millimetre thick, less than 1% veining

67.23 67.72 Calc silicate skarn cut by

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		chalcedonic quartz calcite pyrite vein stockwork, veins up to 1 centimetre thick, with angle to core axis of 45 degrees, alteration of wall rocks and material between veins is to intense clay and limonite alteration, 12% veining, oxidized and veins are vuggy and appear to be leached, gouge at lower contact										
		67.72 69.00 Calc silicate skarn cut by weak to moderate quartz calcite stockwork up to 1 centimetre thick, 4% veining										
		69.00 70.19 Calc silicate skarn cut by calcite veining up to 4 millimetre thick, 2% veining, nil stockwork										
		70.19 70.46 Calc silicate skarn as above, oxidized with moderate to intense clay alteration, weakly limonitic, 1% calcite veining up to 2 millimetre thick										
70.46	70.53	QUARTZ VEIN										
		Chalcedonic quartz vein 7 centimetre thick with angle to core axis of 80 degrees, foam textured white to colourless, some hairline banding at upper contact, massive, 100% veining	70.46	70.53	0.07	FX 413120	0.002	0.200	11.0	33.	14.	-
70.53	98.33	CALC SILICATE SKARN										
		70.53 70.79 Calc silicate skarn footwall	70.53	70.79	0.26	FX 413121	0.002	0.500	40.0	17.	23.	-
		to vein above, weak to intense clay	70.79	71.76	0.97	FX 413122	0.001	0.200	21.0	21.	4.	-
		alteration and weak limonite	71.76	72.77	1.01	FX 413123	0.004	0.500	26.0	29.	4.	-
		alteration, 1% patchy calcite veining	72.77	73.01	0.24	FX 413124	0.011	0.100	48.0	16.	9.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION
70.79	71.76	Calc silicate skarn as above, relatively unaltered cut by calcite veins up to 1 centimetre thick, 7% veining, weak stockwork, clay altered fault slip at 71.19 71.25 metres
71.76	72.77	Calc silicate skarn as above, cut by quartz calcite veining up to 1 centimetre thick, 8% veining, moderate stockwork
72.77	73.01	Calc silicate skarn cut by 1.5 centimetre thick hairline banded chalcedony and calcite vein, with angle to core axis of 45 degrees, hanging wall is limonitic oxidized, 4% veining, hanging wall and footwall are weak to intensely clay altered with moderate limonite
73.01	73.41	Calc silicate skarn as above, but cut by quartz calcite vein stockwork up to 4 millimetre thick, calcareous, 8% veining
73.41	74.10	Calc silicate skarn as above, with moderate to intense to total clay alteration, limontic, cut by quartz calcite veinlets up to 2 millimetres thick, 1% veining
74.10	74.20	Clay altered and limonitic calc silicate skarn as above cut by 1.2 centimetre thick hairline banded chalcedonic quartz vein with angle to core axis of 50 degrees, 15% veining
74.20	74.49	Calc silicate skarn as above

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
73.01	73.41	0.40	FX 413125	0.005	0.700	39.0	16.	3.	-
73.41	74.10	0.69	FX 413126	0.027	0.600	47.0	36.	46.	-
74.10	74.20	0.10	FX 413127	0.023	1.000	87.0	32.	59.	-
74.20	74.49	0.29	FX 413128	0.010	0.700	40.0	15.	21.	-
74.49	75.94	1.45	FX 413129	0.014	0.500	47.0	15.	5.	-
75.94	77.42	1.48	FX 413130	0.001	0.600	28.0	25.	16.	-
77.42	78.46	1.04	FX 413131	0.001	0.600	9.0	23.	4.	-
78.46	78.78	0.32	FX 413132	0.002	0.400	19.0	15.	6.	-
78.78	80.11	1.33	FX 413133	0.002	0.400	32.0	33.	6.	-
80.11	81.44	1.33	FX 413134	0.001	0.300	15.0	59.	19.	-
81.44	81.92	0.48	FX 413135	0.005	0.800	39.0	40.	57.	-
81.92	82.92	1.00	FX 413136	0.001	0.300	21.0	65.	7.	-
82.92	84.22	1.30	FX 413137	0.001	0.200	11.0	54.	6.	-
84.22	85.22	1.00	FX 413138	0.002	0.200	12.0	66.	2.	-
85.22	86.02	0.80	FX 413139	0.004	0.300	26.0	31.	7.	-
86.02	87.32	1.30	FX 413140	0.002	0.500	31.0	23.	10.	-
87.32	88.58	1.26	FX 413141	0.001	0.200	23.0	27.	21.	-
88.58	89.34	0.76	FX 413142	0.001	0.300	31.0	41.	8.	-
89.34	89.70	0.36	FX 413143	0.007	0.700	30.0	56.	16.	-
89.70	90.16	0.46	FX 413144	0.001	0.300	38.0	54.	7.	-
90.16	90.90	0.74	FX 413145	0.112	0.700	25.0	40.	14.	-
90.90	92.45	1.55	FX 413146	0.001	0.400	9.0	43.	7.	-
92.45	92.55	0.10	FX 413147	0.001	0.300	8.0	27.	3.	-
92.55	93.51	0.96	FX 413148	0.001	0.500	30.0	48.	6.	-
93.51	94.48	0.97	FX 413149	0.010	0.600	18.0	42.	6.	-
94.48	95.48	1.00	FX 413150	0.001	0.400	29.0	54.	5.	-
95.48	97.33	1.85	FX 413151	0.001	0.500	13.0	151.	3.	-
97.33	98.33	1.00	FX 413152	0.001	0.300	28.0	128.	8.	-

** INCO **
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

with moderate to intense limonite and clay alteration, cut by 2% calcite veining

74.49 75.94 Calc silicate skarn cut by weak to moderate quartz calcite stockwork up to 5 millimetre thick, 4% veining

75.94 77.42 Calc silicate skarn as above, cut by weak quartz calcite stockwork up to 1 centimetre thick, angle to core axis of 20 degrees, minor fault slip near upper contact and at 78.00 metres, 2% veining

77.42 78.46 Calc silicate skarn as above, garnet diopside actinolite, local patchy fine grained pyrite associated with epidote, weak stockwork quartz calcite up to 1 centimetre thick, angle to core axis of 70 degrees and 40 degrees quartz calcite pyrite veins, 2% veining, 2% pyrite

78.46 78.78 Calc silicate skarn as above cut by quartz calcite veins up to 2 centimetre thick, narrow central visible golds with open space calcite crystals, angle to core axis of 30 degree and 45 degrees with conjugate 135 degrees, 15% veining

78.78 80.11 Typical calc silicate skarn cut by quartz calcite veining up to 5 millimetre thick, 3% veining, weak stockwork

80.11 81.44 Calc silicate skarn as

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

above, cut by calcite veins up to 1.5 centimetre thick, angle to core axis 35 degrees, 4% veining

81.44 81.92 As above cut by quartz calcite veining, with crude banding, angles to core axis sub parallel and 40 degrees to core axis, up to 1 centimetre thick, moderate chlorite alteration with mineral limonite staining in foot wall, 15% veining

81.92 82.92 Calc silicate skarn as above cut by weak quartz calcite stockwork up to 1 centimetre thick, more than 2% veining

82.92 84.22 Calc silicate skarn as above cut by quartz calcite pyrite veins up to 5 millimetres thick, angle to core axis of 10 degrees, 3% veining

84.22 85.22 Calc silicate skarn as above cut by weak quartz calcite stockwork up to 3 millimetre thick, 2% veining

85.22 86.02 As above, but chloritic and limonitic and cut by fault slips at 85.34 and 85.62 metres, cut by quartz calcite veining up to 1 centimetre thick, angle to core axis of 30 degrees, chalcedonic quartz present, 5% veining .This is one of the oxidized fault veins

86.02 87.32 Calc silicate skarn as above cut by moderate stockwork of calcite veins up to 1 centimetre thick, also cut by a parallel to core axis

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

chalcedonic quartz and calcite vein up to 5 millimetre thick and crudely banded with calcite border and quartz core with calcite center. This vein continues into the next several intervals, 20% veining

87.32 88.58 As above, with weak stockwork, cut by parallel core axis gray chalcedonic quartz vein, 12% veining, veining up to 1 centimetre thick

88.58 89.34 As above, cut by same gray chalcedonic quartz vein, vein dies out near lower contact with angle of less than 5 degrees to core axis

89.34 89.70 As above, cut by 1 chalcedonic quartz vein 1.5 centimetre thick at 45 degrees to core axis, with chloritic and limonitic hanging wall, less alteration in footwall, 9% veining, cut by 1 calcite vein up to 5 millimetre thick

89.70 90.16 Calc silicate skarn as above with garnet common, cut by weak calcite stockwork, 1 calcite chlorite vein up to 1.5 centimetre thick at 45 degrees to core axis, 4% veining

90.16 90.90 Chloritic and limonite altered calc silicate skarn cut by chalcedonic quartz vein parallel to core axis, pale gray colour, up to 1 centimetre thick, 10% veining .Comment - This vein appears to be similar to

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

the chalcedonic quartz vein parallel core axis to the interval above, but has prominent chlorite and limonite alteration whereas the previous vein does not

90.90 92.45 Typical calc silicate skarn with garnet diopside cut by weak calcite stockwork up to 3 millimetre thick, 2% veining, 2% disseminated pyrite .Comment - pyrite is a common constituent in the 1% to 2% level of calc silicate skarn at this depth.

92.45 92.55 As above cut by 1 centimetre thick calcite vein with angle to core axis of 80 degrees, 10% veining, moderate chlorite and limonite alteration of wallrock up to 2 centimetre from vein

92.55 93.51 Typical calc silicate skarn with garnet cut by weak calcite stockwork up to 1 centimetre thick, 3% veining

93.51 94.48 Calc silicate skarn with fault slip-related chlorite and limonite alteration at 93.61 me', 93.84 me' & 94.33 metres, 8% calcite veining, gouge and broken rock along fault slips

94.48 95.48 Typical calc silicate skarn cut by moderate calcite pyrite stockwork up to 3 millimetre thick, 3% veining, biotite becoming more prominent

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		95.48 97.33 Biotite calc silicate skarn as above, cut by weak to moderate calcite stockwork up to 3 millimetre thick, 3% calcite pyrite veining, 2% pyrite 97.33 98.33 Biotite calc silicate skarn cut by calcite stockwork up to 1 centimetre thick, weak to moderate stockwork, foliation is parallel to core axis, at 96.25 metres, foliation at 30 degrees to core axis										
98.33	98.83	FAULT Fault zone with abundant gouge at upper contact, chloritic and limonitic for most part, mainly fault breccia with gouge and rock flour matrix, local calcite vein material clasts	98.33	98.83	0.50	FX 413153	0.013	0.700	128.0	84.	29.	-
98.83	99.36	QUARTZ VEIN This is a composite vein	98.83	99.04	0.21	FX 413154	0.015	0.400	16.0	86.	23.	-
		with a crudely banded part and septum of fault breccia in upper interval and in lower interval mainly quartz healed fault breccia 98.83 99.04 Three discrete quartz veins variably from 1 centimetre to 8 centimetre thick with septum of moderately silicified lithic material, veins are at 70 degrees to core axis, crudely banded with dark border grading into white and colourless quartz, thick vein has pale yellow green alteration along fracture that may be scorodite,	99.04	99.36	0.32	FX 413155	0.012	0.500	13.0	23.	22.	-

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DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		vein material locally vuggy, 60% veining										
		99.04 99.36 Lower half of quartz vein is vein breccia with clay altered lithic clasts in matrix of pale gray chalcedonic quartz, locally vuggy, minor calcite, 30% vein material										
99.36	101.35	CALC SILICATE SKARN										
		99.36 99.90 Moderate to intensely clay altered calc silicate skarn cut by moderate quartz calcite stockwork and local quartz flooding at lower contact, 25% veining	99.36	99.90	0.54	FX 413156	0.019	0.200	40.0	23.	24.	-
			99.90	100.55	0.65	FX 413157	0.020	0.300	23.0	21.	2.	-
			100.55	100.69	0.14	FX 413158	0.014	0.100	11.0	42.	4.	-
			100.69	101.35	0.66	FX 413159	0.008	0.300	25.0	24.	3.	-
		99.90 100.55 Calc silicate skarn intense to total clay alteration, with abundant gouge at 100.02 to 100.20 metres, may be fault slip, cut by moderate calcite veinlets stockwork up to 5 millimetre thick, 6% veining										
		100.55 100.69 As above, cut by swarm of calcite veinlets up to 1 centimetre thick, swarm forms a zone up to 70 degrees to core axis and is 9 centimetre thick, 40% veining										
		100.69 101.35 Calc silicate skarn with moderate clay alteration, cut by moderate calcite with rare quartz stockwork up to 1 centimetre thick, 12% veining, gouge and crushed rock at lower contact .										
101.35	101.60	QUARTZ VEIN										
		This is a quartz matrix fault breccia, with abundant lithic	101.35	101.60	0.25	FX 413160	0.027	0.800	50.0	88.	411.	-

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DRILL LOG

FROM m	TO m	DESCRIPTION
		clasts with weak to moderate clay alteration, dark gray to colourless chalcedonic quartz is matrix, locally vuggy, minor calcite, local hairline banding texture, 70 degree angle to core axis, 50% quartz veining
101.60	108.46	CALC SILICATE SKARN
		101.60 101.80 Totally clay altered calc silicate skarn cut by calcite veins up to 5 millimetre thick, with local intense black chlorite alteration, 3% veining .This is footwall to vein above
		101.80 102.07 Moderate to intense clay calc silicate skarn cut by chalcedonic quartz vein with angle to core axis of 45 degrees, vein pinches and swells, vein up to 4 centimetre thick, 20% veining
		102.07 103.24 Calc silicate skarn with varying degrees of clay alteration, intense to total in upper interval and moderate at lower contact, cut by gouge and fault slip at 107.41 metres, cut by weak to moderate calcite stockwork up to 5 millimetre thick, 4% veining Comment - there seem to be two types of chalcedonic quartz veins, one with no alteration that appears to be in equilibrium with a chloritic calc silicate skarn, and the other is associated with chlorite and limonite and clay alteration. Does this indicate we have two overlapping temperatures of

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
101.60	101.80	0.20	FX 413161	0.036	1.000	22.0	18.	625.	-
101.80	102.07	0.27	FX 413162	0.019	0.100	19.0	191.	114.	-
102.07	103.24	1.17	FX 413163	0.018	0.100	36.0	27.	6.	-
103.24	103.80	0.56	FX 413164	0.063	0.300	39.0	64.	58.	-
103.80	104.24	0.44	FX 413165	0.060	0.600	20.0	9.	34.	-
104.24	104.41	0.17	FX 413166	0.033	0.800	59.0	24.	50.	-
104.41	105.22	0.81	FX 413167	0.011	0.500	27.0	25.	3.	-
105.22	105.89	0.67	FX 413168	0.017	0.400	37.0	21.	5.	-
105.89	106.49	0.60	FX 413169	0.012	0.200	25.0	12.	1.	-
106.49	106.81	0.32	FX 413170	0.004	0.500	19.0	16.	3.	-
106.81	108.46	1.65	FX 413171	0.007	0.500	28.0	28.	2.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	XMIN

chalcedonic quartz ? - an early high temperature one with mineral oxide alteration and a later lower temperature one with clay and iron oxidization ? or are they veins with no alteration lower temperature ?

103.24 103.80 Highly disrupted and altered calc silicate skarn with abundant gouge at lower contact, fault breccia in middle of interval and upper part of interval is mainly highly oxidized and chloritic, all cut by moderate calcite stockwork up to 5 millimetre thick, 10% veining

103.80 104.28 Calc silicate skarn as above, weakly to moderately clay altered, cut by moderate calcite stockwork up to 5 millimetre thick, 10% veining

104.28 104.41 Chloritic calc silicate skarn as above, cut by chalcedonic quartz veins up to 1 centimetre thick with angle to core axis of 90 degrees, 15% quartz veining

104.41 105.22 Calc silicate skarn with garnet and diopside but altered to weak chlorite and clay alteration, cut by weak to moderate quartz calcite stockwork up to 5 millimetre thick, 5% veining

105.22 105.89 Calc silicate skarn cut by swarm of gray chalcedonic quartz with minor calcite and pyrite veins, veins

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DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		up to 1 centimetre thick, variable angle, and have associated limonite and chlorite alteration and probable fault slips, 12% veining										
		105.89 106.49 Calc silicate skarn as above cut by calcite quartz stockwork, veinlets up to 5 millimetre thick, variable angles to core axis, moderate stockwork, weak clay chlorite alteration to calc silicate skarn										
		106.49 106.81 As above, cut by chalcedonic quartz with minor calcite veins up to 1 centimetre thick, some hairline banding, weak to intense clay alteration, 10% veining										
		106.81 108.46 Calc silicate skarn as above, cut by weak calcite with minor quartz stockwork, veinlets up to 5 millimetre thick, 3% veining, local intense chlorite alteration										
108.46	108.90	FAULT										
		Fault calc silicate skarn cut by fault breccia with gouge and rock flour matrix at upper and lower contact, some gray chalcedonic quartz veining up to 1.5 centimetre thick, 8% veining, limonite and chlorite alteration associated with fault .Comment - the chloritic alteration in the calc silicate skarn is the reflection of the outer halo of alteration beyond the chalcedony stockwork zone just above the fault	108.46	108.90	0.44	FX 413172	0.103	0.200	63.0	21.	5.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
108.90	110.03	CALC SILICATE SKARN										
		108.90 109.30 Chloritic calc silicate skarn, cut by weak quartz calcite stockwork up to 5 millimetre thick, 4% veining, gouge and fault slip near lower contact	108.90	109.30	0.40	FX 413173	0.010	0.300	34.0	10.	2.	-
		109.30 110.03 Calc silicate skarn with weak to moderate clay alteration and local silicification, cut by gray to colourless chalcedony veinlets up to 1 centimetre thick, with angle to core axis of 35 degrees, 15% veining	109.30	110.03	0.73	FX 413174	0.020	0.300	15.0	15.	31.	-
110.03	110.37	FAULT										
		Fault with abundant gouge and rock flour, total clay alteration, cut by 1 centimetre thick chalcedony vein gray to white, with angle to core axis of 70 degrees, 2% veining, pyrite stable in clay altered fault, material swells with water and probably contains bentonite as do most of the gouge -rich seams and faults in this part of the hole	110.03	110.37	0.34	FX 413175	0.022	0.400	11.0	28.	48.	-
110.37	115.48	CALC SILICATE SKARN										
		Calc silicate skarn,	110.37	110.91	0.54	FX 413176	0.018	0.300	11.0	25.	36.	-
		relatively unaltered, cut by weak	110.91	111.06	0.15	FX 413177	0.008	0.200	9.0	21.	74.	-
		quartz calcite pyrite stockwork, 1%	111.06	111.90	0.84	FX 413178	0.003	0.300	19.0	115.	6.	-
		veining, narrow gouge filled fault slip	111.90	112.40	0.50	FX 413179	0.009	0.400	38.0	104.	1.	-
		near lower contact as above, cut by 2	112.40	113.78	1.38	FX 413180	0.011	0.400	34.0	48.	6.	-
		centimetre thick chalcedonic quartz	113.78	113.98	0.20	FX 413181	0.019	0.500	38.0	98.	139.	-
		vein, varying from dark gray to pale gray to colourless, crudely banded, angle to core axis of 45 degrees, total	113.98	115.48	1.50	FX 413182	0.094	0.900	98.0	70.	6.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		clay alteration at lower contact, 15% veining										
		111.06 111.90 Calc silicate skarn cut by calcite with minor quartz stockwork up to 1 centimetre thick, 7% veining										
		111.90 112.40 As above cut by patchy calcite stockwork, up to 2 centimetre thick, 20% veining, moderate to intense chlorite alteration										
		112.40 113.78 Calc silicate skarn as above cut by weak to moderate calcite stockwork, veinlets up to 2 centimetre thick, 5% veining, moderate chlorite alteration										
		113.78 113.98 Calc silicate skarn with intense chlorite alteration cut by 1 centimetre thick blue gray chalcedonic quartz with calcite core vein, angle to core axis of 45 degrees, 8% veining										
		113.98 115.48 Calc silicate skarn as above cut by calcite stockwork up to 1 centimetre thick, 6% veining, moderate stockwork, local intense clay and chlorite alteration										
115.48	117.08	TUFF										
		Equigranular medium grained	115.48	116.80	1.32	FX 413183	0.018	0.300	25.0	26.	15.	-
		relatively homogenous with local	116.80	117.08	0.28	FX 413184	0.024	0.500	42.0	43.	46.	-
		intercalated calc silicate skarn, intermediate composition, common foliated										
		115.48 116.80 As above cut by weak calcite quartz stockwork up to 4 millimetres thick, local weak to										

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		Intense clay alteration, 2% veining										
		116.80 117.08 As above cut by swarm of dark gray to gray to colourless chalcedonic quartz veins, with gouge in center of interval, 20% veining										
117.08	117.34	FAULT										
		Fault is made up of two main fractures at upper and lower contact rich in gouge and rock flour, bentonite swelling clay abundant	117.08	117.34	0.26	FX 413185	0.011	0.100	29.0	31.	2.	-
117.34	124.58	TUFF										
		Typical tuff in this zone	117.34	118.42	1.08	FX 413186	0.010	0.200	14.0	42.	6.	-
		appears to be brown and probably	118.42	119.50	1.08	FX 413187	0.013	0.100	16.0	18.	3.	-
		biotitic and is locally clay and	119.50	120.12	0.62	FX 413188	0.016	0.100	16.0	125.	29.	-
		chlorite altered near faults	120.12	121.12	1.00	FX 413189	0.008	0.100	11.0	26.	10.	-
		117.34 118.42 As above cut by weak calcite	121.12	121.96	0.84	FX 413190	0.009	0.100	7.0	95.	4.	-
		quartz stockwork up to 5 millimetre	121.96	122.98	1.02	FX 413191	0.024	0.200	18.0	141.	51.	-
		thick, relatively unaltered, 3% veining	122.98	123.76	0.78	FX 413192	0.029	0.100	30.0	51.	7.	-
		118.42 119.50 As above cut by weak	123.76	124.58	0.82	FX 413193	0.022	0.400	13.0	77.	29.	-
		stockwork up to 1 centimetre thick of quartz and calcite, 3% veining										
		119.50 120.12 As above but broken and cut by fault slips with local gouge, and by swarm of quartz calcite veins up to 2 centimetre thick, with variable angle to core axis, 12% veining, local intense to total chlorite and clay alteration, less than 2% pyrite										
		120.12 121.12 As above cut by several fault slips with abundant gouge, the rock is within a fault zone but is still recognizable as calc silicate										

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DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m.	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		skarn, cut by local chalcedonic quartz and white calcite veins up to 2 centimetre thick, 4% veining, lithic clasts and quartz vein clasts in matrix of chalcedonic quartz, abundant broken core, highly oxidized .This is a fault breccia that is healed with quartz matrix, vuggy and locally visible golds are limonitic, broken gouge fault breccia at lower contact										
		121.12 121.96 Pale green gray to gray tuff with abundant in situ gouge without apparent fault slip, cut by irregular white to pale gray to colourless chalcedonic quartz veins up to 1 centimetre thick, 5% veining, intense to total clay alteration has affected wall rocks of veins										
		121.96 122.98 As above with chalcedonic quartz veins up to 4 centimetre thick with angle to core axis of 20 degrees and is associated with intense to total clay alteration, 15% veining										
		122.98 123.76 As above cut by quartz calcite veins up to 1 centimetre thick, 3% veining, 4 sites of extensive gouge and clay alteration										
		123.76 124.58 As above cut by chalcedonic quartz vein up to 1 centimetre thick with angle to core axis of 45 degrees, 2% veining										
124.58	124.91	QUARTZ VEIN										
		Totally clay altered calc	124.58	124.91	0.33	FX 413194	0.011	0.100	13.0	51.	9.	-

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DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	XMIN
		silicate skarn cut by white to pale										
		gray chalcedonic quartz vein up to 2										
		centimetre thick and sub parallel to										
		core axis, with white clay vein										
		material locally, 50% vein material										
124.91	134.59	TUFF										
		Typical green gray tuff	124.91	125.51	0.60	FX 413195	0.015	0.200	23.0	20.	19.	-
		affected by some clay chlorite	125.51	126.03	0.52	FX 413196	0.019	0.200	21.0	140.	88.	-
		alteration	126.03	126.53	0.50	FX 413197	0.039	1.300	52.0	17.	169.	-
		124.91 125.51 As above cut by chalcedonic	126.53	127.36	0.83	FX 413198	0.024	0.700	48.0	19.	33.	-
		quartz veins up to 1 centimetre thick,	127.36	128.42	1.06	FX 413199	0.011	0.500	28.0	24.	3.	-
		also white clay material along some	128.42	128.73	0.31	FX 413200	0.005	0.500	33.0	21.	4.	-
		fractures, gouge and total clay	128.73	130.21	1.48	FX 413201	0.008	0.500	22.0	31.	2.	-
		alteration locally abundant, 4%	130.21	131.63	1.42	FX 413202	0.005	0.400	15.0	24.	6.	-
		veining, visible patchy fine grained	131.63	133.08	1.45	FX 413203	0.012	0.400	18.0	39.	1.	-
		pyrite locally	133.08	133.64	0.56	FX 413204	0.008	0.200	18.0	27.	1.	-
		125.51 126.03 Tuff as above with intense	133.64	134.59	0.95	FX 413205	0.014	0.300	18.0	52.	12.	-
		to total clay and chlorite alteration										
		cut by swarm of chalcedonic quartz										
		veins and vein breccia with clay										
		altered lithic clasts, probably some										
		fault breccia, lower contact at 45										
		degrees to core axis, 40% veining										
		126.03 126.53 Tuff as above cut by 1.5										
		centimetre thick white to gray										
		chalcedony vein sub parallel to core										
		axis, also cut by moderate calcite										
		stockwork up to 2 millimetre thick, 8%										
		veining										
		126.53 127.36 Tuff as above cut by weak to										
		moderate calcite quartz stockwork up to										
		6 millimetre thick, 4% veining										
		127.36 128.42 As above cut by weak quartz										

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DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		calcite stockwork up to 3 millimetre thick, 2% veining										
		128.42 128.73 As above cut by 1 centimetre thick chalcedonic quartz vein with angle to core axis of 30 degrees and flanked by hanging wall & footwall with intense to total clay alteration with less than 1% disseminated pyrite, 5% veining										
		128.73 130.21 Typical tuff with biotitic 1% disseminated pyrite cut by weak quartz calcite stockwork, 3% veining										
		130.21 131.63 As above cut by weak quartz calcite stockwork up to 1 centimetre thick, 2 zones of extensive clay alteration and gouge in center of interval from 130.82 metres to 131.03 metres and from 131.55 metres to lower contact, 2% veining										
		131.63 133.08 Tuff as above with minor intercalated calc silicate skarn, cut by weak quartz stockwork up to 1 centimetre thick, 3% veining										
		133.08 133.64 Tuff as above cut by gouge -filled fault slip sub parallel to core axis and up to 2 centimetre thick, no veining										
		133.64 134.59 Tuff as above cut by weak calcite pyrite stockwork up to 1 centimetre thick, 2% veining, local patches of pyrite along calcite veins										
134.59	148.85	CALC SILICATE SKARN										

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DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		Typical garnet diopside calc	134.59	135.11	0.52	FX 413206	0.008	0.600	32.0	117.	32.	-
		silicate skarn	135.11	135.40	0.29	FX 413207	0.004	0.100	19.0	79.	23.	-
134.59	135.11	Chloritic calc silicate	135.40	135.75	0.35	FX 413208	0.025	0.100	39.0	84.	29.	-
		skarn cut by moderate stockwork of	135.75	136.00	0.25	FX 413209	0.009	0.100	26.0	83.	2.	-
		quartz calcite veins up to 2 centimetre	136.00	137.57	1.57	FX 413210	0.002	0.500	34.0	80.	2.	-
		thick, with angle to core axis of 35	137.57	137.89	0.32	FX 413211	0.012	0.100	17.0	34.	1.	-
		degrees to 40 degrees, 13% veining	137.89	138.40	0.51	FX 413212	0.001	0.200	31.0	164.	11.	-
135.11	135.40	Calc silicate skarn as above	138.40	138.74	0.34	FX 413213	0.009	0.500	37.0	70.	7.	-
		with garnet diopside actinolite and	138.74	138.93	0.19	FX 413214	0.001	0.500	28.0	40.	3.	-
		biotitic patches, cut by weak quartz	138.93	139.22	0.29	FX 413215	0.016	0.500	70.0	66.	13.	-
		calcite stockwork up to 2 millimetre	139.22	139.42	0.20	FX 413216	0.003	0.200	30.0	51.	3.	-
		thick	139.42	139.91	0.49	FX 413217	0.009	0.300	29.0	35.	4.	-
135.48	135.75	Calc silicate skarn as above	139.91	140.95	1.04	FX 413218	0.008	0.300	28.0	26.	1.	-
		cut by calcite quartz veining up to 1	140.95	141.26	0.31	FX 413219	0.016	0.100	47.0	34.	6.	-
		centimetre thick, gouge and total clay	141.26	142.85	1.59	FX 413220	0.007	0.300	30.0	38.	1.	-
		alteration common, 10% veining	142.85	143.67	0.82	FX 413221	0.022	0.200	23.0	73.	5.	-
135.75	136.00	As above cut by moderate	143.67	144.49	0.82	FX 413222	0.007	0.300	45.0	27.	2.	-
		calcite stockwork up to 4 millimetre	144.49	144.99	0.50	FX 413223	0.012	0.200	38.0	83.	1.	-
		thick, and white to colourless	144.99	145.79	0.80	FX 413224	0.010	0.100	33.0	58.	6.	-
		chalcedonic quartz veins up to 1	145.79	146.81	1.02	FX 413225	0.008	0.100	80.0	45.	17.	-
		centimetre thick at 60 degrees to core	146.81	148.13	1.32	FX 413226	0.036	0.700	17.0	17.	8.	-
		axis, 15% veining	148.13	148.50	0.37	FX 413227	0.029	0.200	51.0	41.	17.	-
136.00	137.57	Calc silicate skarn cut by	148.50	148.85	0.35	FX 413228	0.012	0.100	27.0	10.	10.	-
		weak stockwork of calcite veinlets of 4										
		millimetre thick, 3% veining										
137.57	137.89	Calc silicate skarn as above										
		cut by white foam-textured quartz										
		calcite stockwork with veining up 2										
		centimetre with angle to core axis of										
		10 degrees, 35% veining										
137.89	138.40	Calc silicate skarn as above										
		with garnet diopside, cut by weak										
		stockwork of calcite veining up to 4										

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

millimetre thick, 2% veining
138.40 138.74 As above cut by chalcedonic quartz vein 3 centimetre thick, with angle to core axis of 45 degrees, extensive wallrock alteration to chlorite, clay and limonite, gouge at upper contact, 10% veining calc silicate skarn as above cut by weak calcite stockwork with veinlets up to 2 millimetre thick
138.93 139.22 As above but extensive altered to gouge, clay rock flour and some fault breccia, cut by 3.5 centimetre thick chalcedonic gray quartz vein with angle to core axis of 45 degrees, with common local hairline banding, and weak limonitic selvage, 12% veining
139.22 139.42 Calc silicate skarn as above cut by weak calcite stockwork up to 3 millimetre thick, 3% veining
139.42 139.91 Calc silicate skarn as above but cut by quartz calcite veins up to 4 centimetre thick with angle to core axis of 40 degrees, extensive chloritic and limonitic alteration of wallrocks, 18% veining
139.91 140.95 Calc silicate skarn as above cut by quartz calcite stockwork up to 1 centimetre thick, moderate stockwork, 14% veining, 6 centimetre thick gouge zone in middle of interval
140.95 141.26 Calc silicate skarn as above

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

cut by 2 centimetre thick calcite vein, with angle to core axis of 80 degrees, extensive chlorite alteration in footwall and limonite alteration in hanging wall, 10% veining

141.26 142.85 Typical calc silicate skarn with garnet diopside, cut by weak quartz calcite pyrite stockwork up to 1 centimetre thick, 4% veining, gouge interval 10 centimetre thick at 142.20 metres

To 142.30 metres, quartz calcite in gouge at angle of 40 degrees to core axis

142.85 143.67 Calc silicate skarn with garnet and diopside, cut by weak quartz calcite stockwork with veinlets up to 1 centimetre thick, 2% veining

143.67 144.49 As above, and relatively unaltered, except for minor chlorite alteration at lower contact

144.49 144.99 Calc silicate skarn with intense to total clay alteration, cut by weak calcite stockwork up to 2 millimetre thick, white colour in lower half and pale green colour in upper half, 1% veining, gouge at lower contact

144.99 145.79 Intense to total clay and chlorite altered calc silicate skarn cut by white to colourless chalcedonic quartz vein up to 6 centimetre thick, with angle to core axis of 30 degrees,

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		20% quartz, abundant broken core										
		145.79 146.81 Total clay altered calc silicate skarn with limonite along fractures, cut by 1.5 centimetre thick chalcedonic quartz vein at lower contact with angle to core axis of 45 degrees, less than 2% veining										
		146.81 148.13 Bleached creamy pale gray, intense to total white clay alteration, with gouge and crushed rock common, cut by several chalcedonic quartz veins up to 1 centimetre thick, 3% veining, chalk-like appearance, perhaps this rock is a felsic dike										
		148.13 148.50 Intensely clay and chlorite altered calc silicate skarn cut by chalcedonic quartz veins up to 1 centimetre thick, angle to core axis is 45 degrees, leached boxwork texture evident in some of the veins, 4% veining										
		148.50 148.85 Brown variably silicified chloritic calc silicate skarn, local intense silicification, cut by colourless to gray chalcedonic quartz veins up to 2 centimetre thick, 20% veining										
148.85	149.27	QUARTZ VEIN										
		Broken white to pale gray to colourless cryptocrystalline quartz, massive, upper contact angle of 20 degrees to core axis, lower contact at 45 degrees to core axis, 90% veining .	148.85	149.27	0.42	FX 413229	0.072	0.100	7.0	16.	12.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION

Comment - this vein leads up into overlying interval as anastomosing veinlets of vein breccia.

149.27 154.35 LAPILLI TUFF

This rock type varies between chloritic calc silicate skarn to lapilli tuff with good clastic texture, silicification common

149.27 149.50 Chloritic lapilli tuff cut by irregular chalcedonic quartz veins up to 1 centimetre thick, no silicification, 3% veining

149.50 149.64 As above with good lapilli tuff clastic texture but intensely silicified, pale gray with some clasts moderately to intensely clay altered .Comment - matrix is preferentially silicified, with minor vugs

149.64 149.95 As above but no silicification, moderate limonite alteration and locally intense clay and chlorite alteration

149.95 150.65 Intensely silicified lapilli tuff, pale gray locally but most of interval is honey-brown. Comment - is this an oxidation colour?, cut by 1% colourless chalcedony veining up to 5 millimetre thick

150.65 151.36 As above, intensely silicified

151.36 151.45 Large clast that is not silicified but is moderately to intensely clay altered

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
149.27	149.50	0.23	FX 413230	0.005	0.100	23.0	5.	6.	-
149.50	149.64	0.14	FX 413231	0.006	0.100	4.0	22.	4.	-
149.64	149.95	0.31	FX 413232	0.012	0.100	42.0	24.	9.	-
149.95	150.65	0.70	FX 413233	0.072	0.100	20.0	22.	9.	-
150.65	151.36	0.71	FX 413234	0.027	0.400	15.0	17.	34.	-
151.36	151.45	0.09	FX 413235	0.043	0.200	13.0	34.	20.	-
151.45	152.03	0.58	FX 413236	0.022	0.200	16.0	13.	46.	-
152.03	152.94	0.91	FX 413237	0.009	0.300	26.0	19.	11.	-
152.94	153.60	0.66	FX 413238	0.013	0.100	20.0	6.	8.	-
153.60	154.35	0.75	FX 413239	0.023	0.200	9.0	33.	40.	-

** INCO **
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		151.45 152.03 As above but intensely silicified, mainly honey-brown colour with local patches of unaltered pale gray, cut by colourless to white chalcedonic quartz vein up to 1 centimetre thick, sub parallel to core axis, 10% veining, vugs common along the veins and also in silicified rock										
		152.03 152.94 As above with minor local intense silicification but mainly not silicified and exhibiting moderate to intense clay and chlorite alteration, brown to pale creamy green gray colour, cut by 1% chalcedony veining										
		152.94 153.60 As above, honey-brown intensely silicified lapilli tuff, some minor clasts are clay altered, cut by colourless chalcedony veins up to 1 centimetre thick, 5% veining										
		153.60 154.35 As above mainly with intense silicification and cut by gray to white to colourless cryptocrystalline quartz veins up to 6 centimetres thick and with irregular angles to core axis, locally vuggy, locally quartz forms a vein breccia with silicified clasts, 25% veining										
154.35	155.34	BRECCIA										
		154.35 155.34 Chalcedony matrix breccia with honey brown intensely silicified clasts, vary from matrix supported to clasts supported, 20% chalcedony, colourless to white, vuggy, and	154.35	155.34	0.99	FX 413240	0.009	0.300	9.0	9.	8.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		chalcedony is interstitial matrix in this breccia										
155.34	155.72	QUARTZ VEIN										
		White to pale gray to colourless chalcedonic quartz, broken pieces, some silicified clasts in vein breccia, some lost core, vuggy, 90% veining	155.34	155.72	0.38	FX 413241	0.017	0.200	10.0	11.	7.	-
155.72	156.13	LAPILLI TUFF										
		155.72 156.13 Locally clay altered and locally intensely silicified lapilli tuff cut by chalcedonic quartz veining up to 1.5 centimetre thick, 10% veining	155.72	156.13	0.41	FX 413242	0.038	0.100	34.0	5.	8.	-
156.13	156.36	BRECCIA										
		This is a vein breccia with round clast balls that have concentric banding, the balls are lithic, intensely clay and chlorite altered and commonly intensely silicified, matrix is colourless cryptocrystalline quartz, vuggy, breccia is clast supported, matrix is 20%, 85% veining .This is similar to the	156.13	156.36	0.23	FX 413243	0.011	0.100	20.0	1.	6.	-
156.36	156.67	LAPILLI TUFF										
		rubble breccia described in BH 72456. oxidized moderately clay altered weakly limonitic lapilli tuff cut by chalcedonic quartz veining up to 5 millimetre thick, 6% veining	156.36	156.67	0.31	FX 413244	0.028	0.300	41.0	49.	13.	-
156.67	157.28	BRECCIA										
		Chalcedony matrix breccia with rounded silicified and or clay altered lithic fragments with	156.67	157.28	0.61	FX 413245	0.009	0.200	21.0	7.	7.	-

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DRILL LOG

FROM m	TO m	DESCRIPTION
		concentric banding, 20% chalcedony, upper contact is at 30 degrees to core axis, vuggy
157.28	159.88	LAPILLI TUFF Clay and chlorite altered lapilli tuff is intensely silicified and cut by chalcedonic quartz veining, colourless, up to 7 centimetre thick, 20% veining 158.00 158.72 As above clay and chlorite altered lapilli tuff cut by chalcedonic to cryptocrystalline quartz veining up to 3 centimetre thick, 20% veining 158.72 159.02 As above cut by more than 3 centimetre thick green brown chalcedony with local sedimentary banding, variable angles of banding, some brecciation, and wall rock is weakly to intensely clay altered, clasts altered to pale green clay (celadonite)? 159.02 159.61 Intensely clay altered lapilli tuff, with lithic clasts altered to celadonite and clay and some vein material clasts, .This may be a hydrothermal breccia, very ambiguous, cut by 6% veining 159.61 159.88 As above cut by colourless to gray chalcedonic quartz veining up to 3 centimetre thick, with large 1 centimetre thick by 3 centimetre long leached out visible golds, quartz vein is parallel to core axis, and branches off from a vein breccia below, some of

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
157.28	158.00	0.72	FX 413246	0.040	0.200	38.0	18.	22.	-
158.00	158.72	0.72	FX 413247	0.020	0.300	37.0	11.	17.	-
158.72	159.02	0.30	FX 413248	0.012	0.100	20.0	48.	6.	-
159.02	159.61	0.59	FX 413249	0.007	0.100	31.0	27.	6.	-
159.61	159.88	0.27	FX 413250	0.011	0.100	22.0	19.	6.	-

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DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		the quartz is pale green and hairline banded, wallrock is moderately to intensely clay altered with celadonite replacement of lithic clasts, 25% veining										
159.88	160.57	BRECCIA										
		This a chalcedony matrix supported breccia with intensely silicified lithic clasts and some intensely clay altered clasts, 40% chalcedony veining as interstitial matrix ranging from pale olive brown to pink gray to white, commonly vuggy	159.88	160.57	0.69	FX 413251	0.017	0.100	19.0	23.	7.	-
160.57	161.50	CALC SILICATE SKARN										
		160.57 161.04 As above chloritic and clay and limonite altered oxidized calc silicate skarn cut by chalcedonic quartz with local hairline banding, angle to core axis of 45 degrees, veins up to 1.5 centimetre thick, 8% veining	160.57	161.04	0.47	FX 413252	0.254	0.400	53.0	14.	14.	-
		161.04 161.50 As above chloritic and intensely clay altered calc silicate skarn with limonite alteration, less than 1% veining, abundant broken core and probably some lost core	161.04	161.50	0.46	FX 413253	0.136	0.200	78.0	41.	13.	-
161.50	162.07	QUARTZ VEIN										
		161.50 162.07 Calc silicate skarn cut by chalcedonic quartz veins variably from colourless to white to honey brown, cut by veins up to 10 centimetre thick, 60% veining, with irregular angles to core axis	161.50	162.07	0.57	FX 413254	0.011	0.200	24.0	18.	7.	-
162.07	164.22	CALC SILICATE SKARN										

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DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		162.07 163.37 Intensely oxidized with total chlorite and limonite and clay alteration of calc silicate skarn, cut by 2% chalcedony veining, marked poor recovery by drillers, 86% lost core	162.07	163.37	1.30	FX 413255	0.101	0.300	75.0	29.	11.	-
		163.37 164.22 Intense chlorite and clay altered calc silicate skarn cut by chalcedonic quartz veining up to 1 centimetre thick, 3% veining	163.37	164.22	0.85	FX 413256	0.042	0.100	67.0	20.	10.	-
164.22	167.39	QUARTZ VEIN Abundant broken core, some core pebbles probably some lost core, is chlorite and clay altered calc silicate skarn cut by chalcedonic quartz veins more than 4 centimetre thick, 60% veining	164.22	165.34	1.12	FX 413257	0.012	0.100	46.0	14.	8.	-
		165.34 166.27 Quartz vein, as above chalcedonic pink brown to honey brown to beige white, clay altered lithic clasts locally, no definite angles to veins, this may be one large vein breccia, 90% veining as above, 80% veining, clay and chlorite altered lithic clasts	165.34	166.27	0.93	FX 413258	0.011	0.100	34.0	30.	7.	-
			166.27	167.39	1.12	FX 413259	0.031	0.100	60.0	30.	11.	-
167.39	168.46	CALC SILICATE SKARN 166.27 167.39 Limonitic, chloritic and intensely clay altered calc silicate skarn cut by chalcedonic quartz veins and vein breccia more than 10 centimetre thick with irregular angles to core axis, 40% veining, presence of limonite along some vein borders suggests sulfide mineralization at vein	167.39	168.46	1.07	FX 413260	0.030	0.200	57.0	11.	9.	-

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DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		border										
168.46	168.90	QUARTZ VEIN Dark gray chalcedonic quartz vein breccia with intensely silicified clasts and a lower contact with angle to core axis of 70 degrees, vein is more than 40 centimetre thick and top 60% of interval is tan brown colour and is oxidized but it is obvious that the gray is the unaltered colour and the brown is the altered oxidized colour, 90% veining	168.46	168.90	0.44	FX 413261	0.057	0.100	34.0	33.	20.	-
168.90	169.60	CALC SILICATE SKARN Pale creamy green white variably silicified footwall is veined by irregular veinlets of dark gray quartz up to 1 centimetre thick, anastomosing, clay altered near lower contact, 6% veining	168.90	169.60	0.70	FX 413262	0.374	0.100	228.0	10.	25.	-
169.60	170.10	QUARTZ VEIN Black to dark gray chalcedonic quartz with intensely silicified to weakly clay altered lithic clasts, some limonite alteration along fractures and limonite alteration of clasts (perhaps this was sulfide bearing,), 60% veining	169.60	170.10	0.50	FX 413263	0.198	0.100	109.0	2.	37.	-
170.10	175.56	CALC SILICATE SKARN This is presumably calc	170.10	170.93	0.83	FX 413264	0.023	0.100	44.0	14.	26.	-
		silicate skarn that is extensively clay	170.93	171.95	1.02	FX 413265	0.097	0.200	227.0	24.	8.	-
		and carbonate altered with probable	171.95	172.90	0.95	FX 413266	0.020	0.200	139.0	20.	34.	-
		advanced argillic alteration, original	172.90	173.28	0.38	FX 413267	0.035	0.100	171.0	18.	165.	-
		texture are impossible to discern	173.28	173.41	0.13	FX 413268	0.190	0.100	176.0	9.	51.	-

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DRILL LOG

FROM m	TO m	DESCRIPTION
170.10	170.93	Creamy buff homogenous intensely silicified footwall with abundant fracturing and limonite coatings along fractures, also fractures with hairline chalcedony veinlets
170.93	171.95	As above but total clay alteration with minor calcite, looks like above unit but no silicification and very soft, and bleached looking .Comment -no significant limonite concentration in this cssk footwall rock
171.95	172.90	As above with total clay alteration, appears to be a clay calcite rock
172.90	173.28	As above creamy gray with patches of buff slightly harder granular material, texturally the buff resembles patchy garnet in a typical unaltered calc silicate skarn
173.28	173.41	Clay altered calc silicate skarn cut by dark gray to black chalcedonic quartz vein with angle to core axis of 70 degrees, 5 centimetre thick, 40% veining, intensely silicified lithic clasts abundant in vein
173.41	173.97	Totally clay altered calc silicate skarn as above, minor 2 millimetre thick veining filled with white clay, this must be advanced argillic alteration

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
173.41	173.97	0.56	FX 413269	0.022	0.300	53.0	23.	13.	-
173.97	175.14	1.17	FX 413270	0.013	0.100	125.0	21.	25.	-
175.14	175.34	0.20	FX 413271	0.028	0.500	96.0	159.	163.	-
175.34	175.56	0.22	FX 413272	0.034	0.100	94.0	37.	53.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		173.97 174.14 Calc silicate skarn as above, but totally argillized, cut by 1% calcite veining, chalk pale gray colour										
		174.14 174.34 Chalky agillized calc silicate skarn as above cut by black to dark gray chalcedonic veinlets up to 2 centimetre thick, 25% veining										
		174.34 175.56 Totally argillized calc silicate skarn, with minor quartz -healed fault breccia at lower contact										
175.56	176.07	BRECCIA This is a fault breccia with lithic clasts that are totally argillized and quartz vein material clasts in a black to gray chalcedonic quartz matrix, and gouge and rock flour matrix near lower contact, 40% vein material	175.56	176.07	0.51	FX 413273	0.053	0.400	179.0	104.	103.	-
176.07	177.86	FAULT Interval is all gouge and totally argillized calc silicate skarn, original texture is impossible to discern, less than 1% quartz calcite veining	176.07	177.86	1.79	FX 413274	0.040	0.100	190.0	30.	91.	-
177.86	178.29	CALC SILICATE SKARN Totally argillized calc silicate skarn cut by dark gray chalcedonic quartz calcite veins at 45 degrees to core axis and up to 4 centimetre thick, 15% veining	177.86	178.29	0.43	FX 413275	0.021	0.500	49.0	137.	90.	-
178.29	179.47	QUARTZ VEIN The following three	178.29	178.66	0.37	FX 413276	0.098	0.100	199.0	18.	149.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	XMIN
		intervals represent a composite quartz	178.66	179.32	0.66	FX 413277	0.101	1.000	135.0	23.	281.	-
		vein with vein breccia in top half of	179.32	179.47	0.15	FX 413278	0.061	0.300	61.0	26.	93.	-
		interval, vein -swarmed argillized calc										
		silicate skarn in the middle interval										
		and massive quartz vein in lower										
		interval .										
		178.29 178.66 This is a vein breccia with										
		both argillized lithic and vein										
		material clasts in gray chalcedonic										
		quartz matrix, clasts vary from 2										
		millimetre up to 5 centimetre across,										
		quartz vein matrix is vuggy, clasts are										
		matrix supported, 80% vein material,										
		less than 1% pyrite associated with										
		quartz vein matrix										
		178.66 179.32 This interval consists of										
		intensely argillized and locally weakly										
		silicified calc silicate skarn (?), cut										
		by anastomosing crackle breccia -type										
		veinlets up to 3 centimetre across,										
		quartz is chalcedonic and dark gray to										
		gray to colourless, 25% vein material										
		179.32 179.47 This is a massive vuggy										
		chalcedonic quartz vein, 13 centimetre										
		thick, with angle to core axis of 80										
		degrees, quartz is gray colour										
179.47	181.29	CALC SILICATE SKARN										
		179.47 180.01 Calc silicate skarn, totally	179.47	180.01	0.54	FX 413279	0.092	0.100	160.0	7.	75.	-
		argillized, cut by 1% calcite veining,	180.01	181.29	1.28	FX 413280	0.019	0.100	35.0	76.	12.	-
		chalky pale gray colour										
		180.01 181.29 As above cut by milky gray										
		quartz veins sub parallel to core axis,										
		more than 4 centimetre thick, massive										

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DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		with rare pyrite, chloritic selvage, 20% veining, wallrock is totally argillized and quartz colour varies from dark gray to milky white										
181.29	182.65	FAULT										
		181.29 181.97 Fault breccia with lithic	181.29	181.97	0.68	FX 413281	0.027	0.300	47.0	32.	33.	-
		and quartz vein material clasts in a	181.97	182.65	0.68	FX 413282	0.039	0.100	148.0	113.	75.	-
		rock flour matrix, matrix -supported, 25% vein material										
		181.97 182.65 Fault breccia as above, but gouge more common and vein material less abundant, 10% vein material										
182.65	182.91	QUARTZ VEIN										
		Dark gray to white	182.65	182.91	0.26	FX 413283	0.035	0.500	27.0	114.	246.	-
		chalcedonic quartz vein with abundant broken core, vuggy with white clay material filling visible golds, 100% veining										
182.91	184.41	FAULT										
		This fault consists of	182.91	184.41	1.50	FX 413284	0.019	0.200	51.0	27.	50.	-
		abundant gouge and local fault breccia with local gouge and rock flour matrix										
		182.91 184.41 As above, with both fault breccia and zones of total clay alteration to gouge										
184.41	188.09	CALC SILICATE SKARN										
		184.41 185.91 Highly altered total	184.41	185.91	1.50	FX 413285	0.008	0.300	49.0	18.	119.	-
		chlorite and clay altered calc silicate	185.91	186.83	0.92	FX 413286	0.022	0.300	116.0	22.	80.	-
		skarn with total chlorite and clay	186.83	187.76	0.93	FX 413287	0.027	0.200	75.0	22.	92.	-
		alteration, friable and crumbly, cut by	187.76	188.09	0.33	FX 413288	0.211	0.700	130.0	24.	78.	-
		pale brown calcite veinlets up to 2 millimetre thick and local chalcedony veinlets up to 5 millimetre thick, 2%										

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		veining										
		185.91 186.83 Calc silicate skarn as above totally clay and chlorite altered										
		186.83 187.76 As above, alteration near lower contact even more intense and rock looks more bleached and has a white to very pale creamy green mineral that may be talc along fracture surfaces or alunite or gypsum?										
		187.76 188.09 Calc silicate skarn as above, but with weak to moderate clay alteration, local gray chalcedonic quartz veining up to 2 centimetre thick, irregular anastomosing, 1% patchy pyrite, 8% veining										
188.09	188.32	QUARTZ VEIN										
		Multistage black to dark gray to colourless to white chalcedonic quartz vein, vuggy, clay altered lithic clasts, 17 centimetre thick and with angle to core axis of 60 degrees, 85% veining	188.09	188.32	0.23	FX 413289	0.110	0.700	34.0	53.	220.	-
188.32	193.59	CALC SILICATE SKARN										
		188.32 189.01 Moderate to intense clay	188.32	189.01	0.69	FX 413290	0.045	0.200	24.0	78.	49.	-
		altered bleached calc silicate skarn	189.01	190.00	0.99	FX 413291	0.005	0.300	8.0	50.	121.	-
		with local gouge slipped at lower	190.00	191.00	1.00	FX 413292	0.002	0.100	14.0	41.	14.	-
		contact and at 188.67 metres cut by	191.00	191.95	0.95	FX 413293	0.042	0.400	491.0	13.	29.	-
		dark gray quartz veinlets up to 3 millimetre thick and calcite veinlets up to 3 millimetre thick, 1% veining	191.95	193.59	1.64	FX 413294	0.009	0.400	154.0	38.	60.	-
		189.01 190.00 Calc silicate skarn but relatively unaltered, dark green with assemblage of chlorite, diopside and										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		garnet, cut by weak calcite vein stockwork up to 5 millimetre thick, 2% veining										
		190.00 191.00 Relatively unaltered calc silicate skarn as above, dark green, less intense chlorite alteration, bleaching at lower contact with gouge at 190.80 metres, weak calcite stockwork up to 3 millimetre thick, 1% veining, chlorite biotite foliation at 30 degrees to core axis										
		191.00 191.95 Calc silicate skarn as above but severely clay and chlorite altered, interval is almost totally granular and contains abundant gouge but no definite fault slip. Comment, appears to be in situ, advanced argillic alteration, white chalcedonic quartz vein parallel to core axis up to 3 millimetre thick, 3% veining										
		191.95 193.59 Calc silicate skarn as above purple brown to black and probably biotitic, cut by quartz calcite vein parallel to core axis up to 5 millimetre thick, vein is highly fractured in lower half and alteration varies from weak to moderate in upper half and intense to total in lower half, this is probably a resistant shear lens, 3% veining										
193.59	197.57	FAULT										
		193.59 194.93 Calc silicate skarn	193.59	194.93	1.34	FX 413295	0.003	0.300	106.0	72.	28.	-
		extensive altered to gouge and granular	194.93	197.57	2.64	FX 413296	0.012	0.300	74.0	26.	25.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		clay cemented massive, the rock almost										
		looks as if it is clay altered in situ,										
		no evident fault slips										
		194.93 197.57 As above										
197.57	199.97	CALC SILICATE SKARN										
		197.57 198.23 Garnet diopside skarn has	197.57	198.23	0.66	FX 413297	0.004	0.400	24.0	25.	67.	-
		retrograde altered to biotite and	198.23	199.19	0.96	FX 413298	0.004	0.200	32.0	20.	52.	-
		actinolite, cut by quartz calcite vein	199.19	199.97	0.78	FX 413299	0.004	0.300	59.0	25.	127.	-
		up to 2 centimetre thick with angle to										
		core axis of 20 degrees, weak calcite										
		stockwork, 8% veining										
		198.23 199.19 As above and relatively										
		unaltered with pyrite common along										
		fractures and also disseminated cut by										
		fault gouge breccia at 198.55 metres,										
		cut by 1% quartz calcite veining up to										
		5 millimetre thick										
		199.19 199.97 As above but cut by fault										
		gouge and breccia which forms most of										
		upper half of interval, gouge foliation										
		at angle of 60 degrees to core axis, 2%										
		quartz calcite veining up to 5										
		millimetre thick,										
199.97	202.91	FAULT										
		199.97 201.46 Interval is all gouge with	199.97	201.46	1.49	FX 413300	0.015	0.400	85.0	15.	91.	-
		mixed-in sand size friable granular	201.46	201.65	0.19	FX 413301	0.006	0.100	42.0	14.	178.	-
		calc silicate skarn, calcite veinlets	201.65	202.91	1.26	FX 413302	0.022	0.400	90.0	17.	116.	-
		at 80 degrees to core axis, 1% veining										
		201.46 201.65 As above but cut by pale										
		green gray chalcedonic quartz vein 6										
		centimetre thick at upper contact, and										
		1 centimetre thick dark gray at lower										
		contact, 45% veining, veins contain										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		minor calcite and gypsum ?, and are cut										
		into flaser lenss										
		201.65 202.91 Calc silicate skarn is										
		totally altered to clay and granular										
		massive, for most of interval, but some										
		relict in situ fragments of intense										
		clay and chlorite remains, cut by										
		calcite veinlets up to 1 centimetre										
		thick, 2% veining										
202.91	204.42	CALC SILICATE SKARN										
		Same calc silicate skarn	202.91	204.42	1.51	FX 413303	0.010	0.400	51.0	13.	72.	-
		that is intensely altered above but										
		this interval is less altered and										
		coherent enough to describe as a rock,										
		cut by calcite veins up to 2 centimetre										
		thick, with angle to core axis of 45										
		degrees, and chalcedonic colourless										
		quartz veins up to 1 centimetre thick,										
		6% veining, gouge at 4 localities										
		within interval including at lower										
		contact										
204.42	219.94	FAULT										
		204.42 205.76 Totally clay altered calc	204.42	205.76	1.34	FX 413304	0.013	0.500	155.0	12.	38.	-
		silicate skarn with some granular	205.76	207.13	1.37	FX 413305	0.004	0.300	117.0	8.	54.	-
		friable material all intermixed,	207.13	208.58	1.45	FX 413306	0.005	0.300	140.0	10.	37.	-
		locally cut by colourless chalcedonic	208.58	209.82	1.24	FX 413307	0.005	0.200	146.0	12.	48.	-
		quartz vein up to 6 millimetre thick,	209.82	211.25	1.43	FX 413308	0.003	0.100	90.0	11.	45.	-
		appears to be altered in situ, pyrite	211.25	212.78	1.53	FX 413309	0.009	0.400	174.0	11.	34.	-
		is stable throughout fault, very fine	212.78	213.68	0.90	FX 413310	0.004	0.200	47.0	13.	128.	-
		grained and less than 2%	213.68	215.06	1.38	FX 413311	0.017	0.200	50.0	34.	168.	-
		205.76 207.13 As above, with 1 30	215.06	216.21	1.15	FX 413312	0.004	0.400	19.0	34.	39.	-
		centimetre thick shear lens of calc	216.21	217.62	1.41	FX 413313	0.012	0.200	68.0	30.	29.	-
		silicate skarn,	217.62	219.65	2.03	FX 413314	0.043	0.500	106.0	14.	30.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
207.13	208.58	As above, cut by local colourless chalcedonic quartz vein up to 2 centimetre thick, with angle to core axis of 10 degrees	219.65	219.94	0.29	FX 413315	0.029	0.100	110.0	17.	46.	-
208.58	209.82	Gouge -rich and intensely to totally clay altered calc silicate skarn, cut by less than 1% calcite veining										
209.82	211.25	As above with less than 1% veining										
211.25	212.78	As above but with 2% calcite veining, especially near lower contact										
212.78	213.61	As above, but pale buff gray rather than pale gray as above, gouge -rich and intense to total clay alteration, cut by less than 1% calcite veining										
		Fault as above, gouge -rich with total clay and chlorite alteration, 1% calcite veining										
215.06	216.21	As above but with 2% calcite veining										
216.21	217.62	Fault as above, but cut by 1% chalcedonic quartz veining, gouge -rich and total clay alteration										
217.62	219.65	As above cut by 1% calcite veining, total clay and chlorite alteration some broken core chips near upper contact										
219.65	219.94	Dike completely friable and mainly totally clay altered quartz feldspar porphyry dike, the high intensity of clay alteration allows it										

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		to still be in the fault zone, but it can seperated out on the basis of lithology Comment - the dike thickness is 1.50 medium and it is thicker than the interval thickness THERE IS EXCESS METERAGE OF 1.21 M IN THE FLT ZONE										
219.94	220.13	BRECCIA										
		Dark gray and colourless chalcedonic quartz fragments are enclosed within a matrix of colourless quartz and rock flour, clast -supported breccia, 100% vein, minor calcite	219.94	220.13	0.19	FX 413316	0.047	0.300	28.0	31.	206.	-
220.13	222.23	FAULT										
		220.13 221.07 Calc silicate skarn altered to gouge and intense to total clay alteration, cut by calcite veins up to 1.5 centimetre thick and cut by gypsum veins ? up to 3 millimetre thick, the rock is friable and intensely hydrothermally altered, 3% veining	220.13	221.07	0.94	FX 413317	0.012	0.100	21.0	13.	86.	-
		221.07 222.23 Fault as above with intense to total clay and chlorite alteration, minor shear lens of non-hydrothermally altered calc silicate skarn about 10 centimetre thick at 221.77 metres, some ground core pebbles of colourless chalcedonic quartz near lower contact, 1% veining	221.07	222.23	1.16	FX 413318	0.012	0.100	25.0	12.	79.	-
222.23	227.78	CALC SILICATE SKARN										
		This is the typical garnet	222.23	223.44	1.21	FX 413319	0.003	0.100	4.0	26.	6.	-
		diopside actinolite calc silicate skarn	223.44	225.89	2.45	FX 413320	0.001	0.100	2.0	13.	14.	-
		with variable alteration to chlorite	225.89	226.77	0.88	FX 413321	0.005	0.100	46.0	18.	166.	-
		and locally epidote, all cut by a	226.77	227.78	1.01	FX 413322	0.012	0.100	12.0	51.	272.	-

** INCO **

DRILL LOG

quartz calcite stockwork of varying degrees .

222.23 223.44 Calc silicate skarn as above with extensive moderate to intense alteration to chlorite, ground core pebbles at 223.10 to 223.18 metres, gouge locally abundant from 222.86 to 223.03 metres, cut by calcite veins up to 6 millimetre thick, 2% veining, weak stockwork

223.44 225.89 Calc silicate skarn as above cut by several 10 centimetre thick zones of gouge with total clay alteration and yellowish green colour, otherwise coherent with moderate alteration to chlorite, lensy nature of garnet patches still preserved, cut by calcite pyrite veinlets up to 2 centimetre thick, 4% veining, weak stockwork

225.89 226.77 As above but thoroughly clay altered, cut by 1% calcite veining

226.77 227.78 Calc silicate skarn as above with clay alteration in friable upper half, lower half is coherent with moderate to intense chlorite and clay alteration, cut by quartz calcite veins up to 1 centimetre thick, 4% veining, weak to moderate stockwork

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
227.78	238.54	DIKE										
		Gray equigranular medium	227.78	228.47	0.69	FX 413323	0.009	0.200	11.0	47.	15.	-
		grained granodiorite	228.47	229.21	0.74	FX 413324	0.005	0.100	8.0	23.	25.	-
		227.78 228.47 Gray granodiorite as above	229.21	229.45	0.24	FX 413325	0.006	0.100	15.0	8.	26.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION

with weak to moderate clay alteration, local gouge at lower contact, cut by quartz calcite rock flour veins up to 2 centimetre thick, 5% veining

228.47 229.21 As above with gouge along 2 fault slips, cut by weak calcite stockwork, 1% veining . Comment - at 229.21 m, reduce down to BQ core.

229.21 229.45 Granodiorite as above, coherent upper half, but abundant clay alteration and gouge at lower contact

229.45 229.79 As above but totally altered to gouge and clay, cut by dark gray to colourless quartz veins up to 5 centimetres thick with angle to core axis of 55 degrees, 20% veining

229.79 231.49 Granodiorite as above cut by weak quartz calcite stockwork up to 3 millimetre thick, 2% veining .Comment - granodiorite shows weak to intense clay alteration, mafics are altered to chlorite and granodiorite appears to be skarnified.

231.49 233.48 Granodiorite as above with abundant gouge at upper contact, 35% lost core, weak quartz calcite stockwork

233.48 234.85 Granodiorite as above, coherent, with 15 centimetres of gouge at upper contact and minor local gouge elsewhere, 1% veining

234.85 235.87 Granodiorite as above cut by 1% weak quartz calcite stockwork, 15

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
229.45	229.79	0.34	FX 413326	0.009	0.100	9.0	6.	74.	-
229.79	231.49	1.70	FX 413327	0.005	0.100	13.0	7.	20.	-
231.49	233.48	1.99	FX 413328	0.003	0.200	13.0	8.	8.	-
233.48	234.85	1.37	FX 413329	0.007	0.100	7.0	19.	43.	-
234.85	235.87	1.02	FX 413330	0.004	0.200	8.0	9.	14.	-
235.87	237.08	1.21	FX 413331	0.003	0.100	7.0	30.	33.	-
237.08	238.54	1.46	FX 413332	0.003	0.100	3.0	18.	66.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		centimetres of gouge and crushed rock at lower contact, 4 centimetres of gouge at 235.49 metres										
		235.87 237.08 Granodiorite as above, coherent, except for three 1-cm thick rock flour gouge fault slips, weak quartz calcite stockwork, 2% veining										
		237.08 238.54 Granodiorite as above with minor mixedin calc silicate skarn near lower contact, cut by 2% quartz calcite veining up to 5 millimetre thick										
238.54	241.09	CALC SILICATE SKARN										
		Garnet diopside actinolite	238.54	239.41	0.87	FX 413333	0.001	0.200	3.0	29.	14.	-
		cut by weak quartz calcite stockwork	239.41	239.66	0.25	FX 413334	0.001	0.100	20.0	17.	15.	-
		with veinlets up to 5 millimetre thick, 2% veining	239.66	241.09	1.43	FX 413335	0.004	0.200	6.0	52.	53.	-
		239.41 239.66 As above but upper half of interval is clay and chlorite gouge, indicating a fault, and lower half is cut by quartz calcite veins up to 2.5 centimetres thick with angle to core axis of 60 degrees, 15% veining										
		239.66 241.09 Calc silicate skarn as above, coherent, cut by weak stockwork of quartz calcite veins up to 5 millimetre thick, 2% veining										
241.09	241.54	FAULT										
		Fault consists of chlorite	241.09	241.54	0.45	FX 413336	0.008	0.200	14.0	304.	14.	-
		and clay gouge at upper contact with minor shear lenses of more coherent calc silicate skarn, abundant gouge at lower contact, cut by a 5 millimetre quartz calcite vein sub parallel to										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		core axis, 2% veining										
241.54	243.53	BRECCIA										
		This is a quartz calcite matrix breccia that ranges from matrix -support to clast support through to crackle breccia, calc silicate skarn clasts are intensely to totally clay altered	241.54	242.47	0.93	FX 413337	0.008	0.100	23.0	39.	78.	-
			242.47	243.53	1.06	FX 413338	0.004	0.100	14.0	35.	15.	-
		241.54 242.47 Quartz calcite matrix breccia as above, 35% vein material, some gouge and maybe fault slip at 242.09 to 242.17 metres										
		242.47 243.53 Breccia as above with gouge at 242.62, 40% vein material, quartz is chalcedonic, colourless to pale gray, calcite is white, some gypsum along fracture, no limonite alteration										
243.53	244.81	CALC SILICATE SKARN										
		Typical patchy garnet diopside actinolite calc silicate skarn that is variably altered	243.53	244.81	1.28	FX 413339	0.012	0.100	16.0	21.	11.	-
		243.53 244.81 Calc silicate skarn as above cut by quartz calcite pyrite veins up to 1 centimetre thick, angle to core axis of 30 degrees, 5% veining										
244.81	245.40	QUARTZ VEIN										
		Clay and chlorite altered calc silicate skarn is cut by a calcite vein with minor quartz and with angle to core axis of 5 degrees, vein thickness difficult to determine, but probably about 16 centimetre thick, altered lithic clasts common, 60%	244.81	245.40	0.59	FX 413340	0.010	0.100	22.0	8.	2.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		veining										
245.40	250.42	CALC SILICATE SKARN										
		Typical garnet diopside	245.40	246.27	0.87	FX 413341	0.006	0.300	5.0	10.	4.	-
		actinolite calc silicate skarn	246.27	247.03	0.76	FX 413342	0.003	0.200	21.0	8.	15.	-
		245.40 246.27 Calc silicate skarn as	247.03	247.65	0.62	FX 413343	0.008	0.100	12.0	10.	3.	-
		above, extensively clay and chlorite	247.65	249.00	1.35	FX 413344	0.001	0.100	2.0	26.	25.	-
		altered in upper third but coherent in	249.00	250.42	1.42	FX 413345	0.001	0.200	2.0	15.	38.	-
		lower two thirds and relatively unaltered, cut by weak quartz calcite stockwork up to 2 millimetre thick, 1% veining										
		246.27 247.03 As above with 4 extensive clay and chlorite alteration in upper interval and probably gouge fault at upper contact, coherent in lower two thirds, cut by quartz calcite veining up to 1 centimetre thick, 6% veining										
		247.03 247.65 As above cut by quartz calcite veins up to 2 centimetre thick with angle to core axis from 10 to 30 degrees, calc silicate skarn is intensely to totally clay and chlorite altered, 15% veining										
		247.65 249.00 Calc silicate skarn as above, coherent, minor alteration along a 2 centimetre fault slip at 247.84 metres, angle to core axis of 30 degrees, cut by weak quartz calcite stockwork up to 1 centimetre thick, veins locally vuggy, 4% veining										
		249.00 250.42 As above										
250.42	250.92	FAULT										
		Chlorite and clay -rich	250.42	250.92	0.50	FX 413346	0.032	0.100	166.0	10.	56.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		gouge are fault alteration of calc silicate skarn and cut by quartz calcite veins up to 3 centimetres thick, broken core, angle of vein to core axis about 60 degrees, 6% veining										
250.92	254.70	CALC SILICATE SKARN										
		250.92 251.76 Typical garnet diopside	250.92	251.76	0.84	FX 413347	0.001	0.100	2.0	130.	91.	-
		actinolite with local chlorite	251.76	252.11	0.35	FX 413348	0.002	0.400	13.0	12.	326.	-
		alteration, coherent and relatively	252.11	253.36	1.25	FX 413349	0.002	0.300	7.0	11.	98.	-
		unaltered, cut by quartz calcite veining up to 1 centimetre thick, less than 2% veining	253.36	254.70	1.34	FX 413350	0.002	0.200	2.0	23.	118.	-
		251.76 252.11 Calc silicate skarn cut by quartz calcite pyrite vein up to 2 centimetre thick with angle to core axis of 5 degrees, 12% veining										
		252.11 252.36 Calc silicate skarn with chlorite and clay alteration near upper contact, cut by weak quartz calcite stockwork with veining up to 1.5 centimetre at angles to core axis of 30 degrees for chalcedonic quartz veins and conjugate 135 degrees for calcite quartz veins, 5% veining										
		253.36 254.70 Calc silicate skarn as above with garnet diopside actinolite and local alteration to chlorite and epidote, cut by quartz calcite veins up										
254.70	254.86	GRANODIORITE										
		to 1 centimetre thick, 2% veining pale gray granodiorite, medium grained equigranular, biotite and hornblende about 40%, white feldspar and quartz	254.70	254.86	0.16	FX 413351	0.003	0.100	3.0	38.	4.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		the remainder FOOT OF HOLE AT 254.86 METRES.										

** INCO **

DRILL LOG

BOREHOLE :72483-0

PRINT DATE :18-AUG-1989 07:49

PROJECT	: Epi- Gnome						
Latitude	: 50.00N	Departure	: 532.00E	Elevation	: 1099.00m	Hole length	: 223.42m
NTS/Quad	: 92P-2W	Logged by	: J.A. Morin	Assay req.	: Acme Analytical - ICP &	Level	: Surface
Country	: Canada	Drilled by	: Beaupre Diamond Drilling	Test Method	: Acid etch tube	Grid name	:
Prov./state	: B.C.	Drill type	: Longyear 38	Started	: 26 MAY, 1989	BL azimuth	: 358.5 degrees
Twp/County	:	Core size	: NQWL	Completed	: ne	BH bearing	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	270.00	-60.00	62.79	-1.00	-56.00	123.74	-1.00	-57.50	184.70	-1.00	-60.00
221.27	-1.00	-59.50									

COMMENTS : **

LEFT IN HOLE Nothing left in hole

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
0.00	9.75	CASING										
			0.00	9.75	9.75	NS						-
9.75	18.73	BASALT Dark gray fine to medium grained homogeneous massive equigranular basalt, with agate chalcedony and calcite geode-cavity fillings in top 2 metres, low hydrothermal alteration, mud filled fracture at 13.73 metres with angle to core axis of 35 degrees, lower contact is marked by clay and chlorite alteration	9.75	18.73	8.98	NS						-
18.73	19.81	REGOLITH										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		Brown red oxidized of	18.73	19.81	1.08	FX 413352	0.005	0.100	3.0	102.	1.	-
19.81	25.14	VOLCANIC										
		volcanic material volcanic oxidized	19.81	21.81	2.00	FX 413353	0.002	0.100	2.0	31.	1.	-
		clay altered, difficult to identify	21.81	23.81	2.00	FX 413354	0.002	0.100	3.0	73.	1.	-
		primary rock	23.81	25.14	1.33	FX 413355	0.006	0.200	3.0	96.	1.	-
		19.81 21.81 Fine grained volcanic as above										
		21.81 23.81 As above with abundant broken core, total clay alteration, pink										
		23.81 25.14 As above, coherent, and probably intermediate tuff, locally leached visible golds										
25.14	30.00	LAPILLI TUFF										
		Equant rounded fine grained	25.14	27.09	1.95	FX 413356	0.004	0.100	2.0	71.	1.	-
		volcanic clasts ranging from 2	27.09	28.56	1.47	FX 413357	0.001	0.100	2.0	27.	1.	-
		millimetre up to 2 centimetre, matrix	28.56	30.00	1.44	FX 413358	0.004	0.100	2.0	77.	1.	-
		supported barely										
		25.14 27.09 Lapilli tuff with total clay alteration, friable and broken core at upper contact										
		27.09 28.56 As above well defined texture										
		28.56 30.00 Lapilli tuff as above, friable rock										
30.00	32.02	TUFF										
		Pale green totally clay	30.00	32.02	2.02	FX 413359	0.005	0.100	3.0	91.	1.	-
		altered tuff, probably of same composition of overlying lapilli tuff										
32.02	38.13	REGOLITH										
		Orange brown limonitic	32.02	34.75	2.73	FX 413360	0.019	0.200	10.0	80.	2.	-
		regolith with volcanic clast with some	34.75	36.50	1.75	FX 413361	0.016	0.100	16.0	71.	2.	-
		minor chalcedony veins up to 1	36.50	38.13	1.63	FX 413362	0.061	0.100	28.0	71.	2.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION
		centimetre across, 30% lost core especially in lower half of interval, totally clay altered volcanic, difficult to identify, but is pale gray to green gray, locally weakly limonitic
		34.75 36.50 Volcanic as above with minor limonitic regolith at upper contact
		36.50 38.13 As above, with limonite commonly along fractures
38.13	49.25	VOLCANIC
		38.13 39.56 Moderately to intensely limonitic orange brown totally clay altered volcanic
		39.56 40.66 Limonitic clay altered volcanic as above, definitely clastic texture with volcanic fragments to 3 centimetre determine what kind of clastic rock
		40.66 42.10 Intensely brecciated, clastic texture, in places almost looks like rock flour matrix breccia, clast supported, as if broken and moved up and down in situ
		42.10 43.43 As above, but looks like brecciated in situ, with limonite common in matrix, and local chalcedony vein and silicified volcanic chips minor in abundance
		43.43 45.24 As above, limonitic, and feldspar porphyritic basalt clasts but probably brecciated in situ, at lower contact a chalcedonic vein up to 3 millimetre thick is present with angle

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
38.13	39.56	1.43	FX 413363	0.139	0.300	94.0	1511.	6.	-
39.56	40.66	1.10	FX 413364	0.042	0.100	102.0	35.	5.	-
40.66	42.10	1.44	FX 413365	0.040	0.100	45.0	27.	4.	-
42.10	43.43	1.33	FX 413366	0.035	0.100	39.0	47.	2.	-
43.43	45.24	1.81	FX 413367	0.031	0.100	58.0	33.	2.	-
45.24	45.38	0.14	FX 413368	0.038	0.100	56.0	107.	4.	-
45.38	46.71	1.33	FX 413369	0.040	0.100	36.0	50.	2.	-
46.71	46.85	0.14	FX 413370	0.027	0.100	66.0	173.	5.	-
46.85	48.00	1.15	FX 413371	0.057	0.100	50.0	47.	2.	-
48.00	49.25	1.25	FX 413372	0.094	0.100	84.0	18.	3.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		to core axis of 30 degrees										
		45.24 45.38 As above, but with clasts of pale gray to white chalcedonic quartz 1.5 centimetre by 4 centimetre, the chalcedony is a clast										
		45.38 46.71 Volcanic as above, intensely oxidized and clay altered near lower contact, minor calcite veinlets up to 2 millimetre thick, entire interval as those above is highly altered and clay altered										
		46.71 46.85 As above with clast of white chalcedony vein material 1.5 centimetre by 3 centimetre										
		46.85 48.00 Clastic volcanic as above, intensely oxidized, probably cut by calcite veinlets, 1% veining minor clast of chalcedony 2 centimetre long by 1 centimetre thick										
		48.00 49.25 Intensely oxidized, highly brecciated feldspar porphyritic volcanic rock near lower contact cut by chalcedony vein										
49.25	52.43	BASALT										
		49.25 50.60 Highly fractured, locally brecciated feldspar porphyritic, cut by less than 1% chalcedony veining up to 3 millimetre thick, intense pervasive clay alteration, but less limonite than in above intervals	49.25	50.60	1.35	FX 413373	0.016	0.100	40.0	20.	2.	-
			50.60	52.43	1.83	FX 413374	0.032	0.100	49.0	16.	3.	-
		50.60 52.43 Basalt as above, abundant broken core especially at lower contact, 20% lost core, drillers' block										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		at 62.43 metres says no core										
52.43	56.83	VOLCANIC										
		Highly oxidized commonly	52.43	53.30	0.87	FX 413375	0.030	0.100	43.0	41.	2.	-
		brecciated volcanic, difficult to	53.30	54.25	0.95	FX 413376	0.100	0.100	44.0	37.	3.	-
		identify, chalcedony fragments locally	54.25	55.93	1.68	FX 413377	0.077	0.100	47.0	41.	2.	-
		52.43 53.30 Highly brecciated with local	55.93	56.83	0.90	FX 413378	0.033	0.100	38.0	28.	1.	-
		chalcedony clasts up to 1 centimetre,										
		totally clay altered limonite -rich.										
		Comment, this breccia is of uncertain										
		origin										
		53.30 54.25 As above with chalcedony										
		fragments up to 3 centimetre long by 2										
		centimetre wide and a 1 centimetre										
		thick and apparently cut by some										
		chalcedony quartz veining at 53.70										
		metres with quartz vein 1 centimetre										
		thick parallel to core axis, ground-up										
		core pebbles of chalcedonic quartz at										
		lower contact 4% vein material										
		54.25 55.93 Highly brecciated volcanic										
		as above, no veining										
		55.93 56.83 As above, with variable										
		limonite, less limonitic than above but										
		equally intensely to totally altered										
56.83	68.61	BRECCIA										
		This is the same volcanic	56.83	58.40	1.57	FX 413379	0.045	0.200	32.0	28.	1.	-
		that is highly fractured and local	58.40	58.62	0.22	FX 413380	0.007	0.300	22.0	13.	1.	-
		brecciated as above, but breccia	58.62	60.04	1.42	FX 413381	0.014	0.100	17.0	25.	1.	-
		textures are more recognizable and	60.04	61.24	1.20	FX 413382	0.040	0.100	29.0	59.	2.	-
		there seems to be a variation between	61.24	62.27	1.03	FX 413383	0.019	0.100	20.0	78.	1.	-
		crackle breccia to clast supported	62.27	63.92	1.65	FX 413384	0.031	0.100	24.0	36.	1.	-
		breccia to broken up limonitic core	63.92	64.16	0.24	FX 413385	0.048	0.100	29.0	34.	2.	-
		that might be fault breccias, this	64.16	65.41	1.25	FX 413386	0.046	0.100	20.0	34.	1.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
			65.41	67.15	1.74	FX 413387	0.039	0.100	19.0	36.	2.	-
			67.15	68.61	1.46	FX 413388	0.020	0.300	7.0	34.	4.	-

breccia has the appearance of being a hydrothermal breccia with goug & limonitic matrix but no vein material matrix, a dry hydrothermal breccia

56.83 58.40 Feldspar porphyritic basalt is locally brecciated with limonite matrix, and is a crackle breccia with large fragments, intensely limonitic and broken at lower contact

58.40 58.62 Breccia as above, but with local chalcedonic quartz matrix, quartz varies from creamy buff to pink creamy white, fine grained black dendrites in chalcedony and chalcedony is also brecciated, 30% vein material

58.62 60.04 As above with pale green porphyritic volcanic in highly fractured and locally in matrix supported breccia, very friable with abundant limonite in upper half of interval varies from matrix to clast supported

60.04 61.24 Brecciated volcanic material as above, clast supported red clay alteration near lower contact

61.24 62.67 Breccia as above, good obvious textures, clast supported with limonite and rock flour gouge matrix

62.67 63.92 Breccia as above, clast supported angular fragments, cut by 3 millimetre thick quartz vein with coxcomb texture, less than 1% veining

63.92 64.16 As above with limonitic clay

** INCO **

DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	AU	AG	AS	BA	MO	%MIN
m	m		m	m	m		PPM	PPM	PPM	PPM	PPM	
		alteration at upper contact and cut by										
		1 centimetre thick chalcedonic quartz										
		vein with 1 millimetre to 2 millimetre										
		leached visible golds, with some										
		silicification of matrix, 20% vein										
		material										
		64.16 65.41 Breccia as above, clasts										
		typical fom 3 millimetre to 3										
		centimetre, clast supported										
		65.41 67.15 As above, with abundant										
		broken core and gouge at lower contact,										
		core tapers to BQ size at lower contact										
		67.15 68.61 As above with abundant gouge										
		and broken core pebbles at upper										
		contact, total clay alteration, with										
		red limonite clay colour common										
68.61	75.58	CONGLOMERATE										
		This is a volcanic	68.61	70.12	1.51	FX 413389	0.007	0.100	8.0	60.	5.	-
		conglomerate, polymictic with feldspar	70.12	71.10	0.98	FX 413390	0.016	0.100	21.0	16.	13.	-
		porphyritic, mafic porphyritic, and	71.10	71.38	0.28	FX 413391	0.008	0.100	34.0	62.	7.	-
		pale green aphanitic clast, and looks	71.38	72.84	1.46	FX 413392	0.060	0.100	54.0	44.	13.	-
		like clasts of arkose locally, range	72.84	74.17	1.33	FX 413393	0.005	0.100	17.0	32.	6.	-
		from 3 millimetre up to several	74.17	74.84	0.67	FX 413394	0.005	0.100	10.0	25.	3.	-
		centimetre, totally clay altered for	74.84	75.58	0.74	FX 413395	0.032	0.100	29.0	22.	11.	-
		the most part										
		68.61 70.12 As above, with red limonite										
		common especially in matrix										
		70.12 71.10 As above, with good breccia										
		and 4 centimetre carbonaceous material										
		at upper contact local gouge rock flour										
		matrix to breccia at lower half of										
		interval appears to be highly fractured										
		arkose										

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		71.10 71.38 Red clay rich argillite and carbonaceous argillite apparently interbedded with conglomerate, brecciated at upper contact										
		71.38 72.84 Conglomerate as above, still polymictic but starting to resemble breccia										
		72.84 74.17 Red clay altered polymictic breccia, .Comment, this is so clay altered that it breaks upon lifting and fractures along splitting										
		74.17 74.84 Polymictic conglomerate, both oxidized and reduced parts, reduced is pale gray in colour										
		74.84 75.58 Intermixed volcanic conglomerate and some carbonaceous argillite, rock is really cruddy and difficult to work with, but is anorthosite interbedded sequence										
75.58	78.03	COAL										
		Black coal carbonaceous	75.58	76.04	0.46	FX 413396	0.004	0.100	27.0	26.	5.	-
		argillite and volcanic sandstone,	76.04	77.10	1.06	FX 413397	0.085	0.100	67.0	17.	26.	-
		ranges from lignite to bituminous coal	77.10	78.03	0.93	FX 413398	0.034	0.400	35.0	20.	21.	-
		to carbonaceous argillite, with very minor volcanic sandstone										
		76.04 77.10 As above, rock breaks along coal partings that are parallel to core axis										
		77.10 78.03 As above, becoming less brittle and more intermixed with sandstone at lower contact										
78.03	86.15	BRECCIA										
		This is the volcanic breccia	78.03	79.55	1.52	FX 413399	0.010	0.200	24.0	367.	4.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		that grades into local volcanic	79.55	81.00	1.45	FX 413400	0.011	0.100	15.0	142.	3.	-
		sandstone and was described in above	81.00	82.50	1.50	FX 413401	0.006	0.100	33.0	27.	3.	-
		several 10s of metres	82.50	84.12	1.62	FX 413402	0.003	0.100	4.0	26.	2.	-
		78.03 79.55 As above, with good clastic	84.12	84.59	0.47	FX 413403	0.007	0.100	30.0	26.	6.	-
		texture, polymictic, angular blocky	84.59	86.15	1.56	FX 413404	0.018	0.100	5.0	237.	4.	-
		clasts, matrix supported, a mixture of										
		oxidized and unoxidized										
		79.55 81.00 Volcanic conglomerate										
		polymictic as above, totally clay										
		altered, generally unoxidized										
		81.00 82.50 As above, mixture of										
		oxidized and unoxidized										
		82.50 84.12 As above mixture of oxidized										
		and unoxidized										
		84.12 84.59 As above but with much clay										
		gouge and broken core at upper contact										
		and tapered core and this may be a										
		fault breccia, some chalcedonic vein										
		material clasts										
		84.59 86.15 Volcanic conglomerate as										
		above mixture of oxidized and										
		unoxidized, clast supported										
86.15	115.06	CONGLOMERATE										
		A volcanic conglomerate is	86.15	88.15	2.00	FX 413405	0.005	0.100	16.0	429.	1.	-
		starting to look like a lapilli tuff	88.15	90.15	2.00	FX 413406	0.009	0.100	5.0	568.	1.	-
		with tuffaceous matrix and clast	90.15	92.15	2.00	FX 413407	0.024	0.200	22.0	272.	2.	-
		population ranging from monolithic to	92.15	94.20	2.05	FX 413408	0.005	0.100	10.0	501.	1.	-
		heterolithic, but generally in the 0.5	94.20	94.44	0.24	FX 413409	0.167	0.500	72.0	75.	294.	-
		centimetre to 2 centimetre size clast	94.44	96.44	2.00	FX 413410	0.005	0.100	2.0	592.	4.	-
		range	96.44	98.62	2.18	FX 413411	0.013	0.100	8.0	579.	1.	-
		86.15 88.15 Unoxidized pale greenish	98.62	100.62	2.00	FX 413412	0.009	0.100	8.0	308.	1.	-
		gray lapilli tuff, looks like	100.62	102.41	1.79	FX 413413	0.007	0.100	3.0	214.	1.	-
		intermediate composition with chlorite	102.41	104.41	2.00	FX 413414	0.001	0.100	2.0	177.	1.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		commonly after porphyritic mafic	104.41	106.41	2.00	FX 413415	0.012	0.100	2.0	745.	1.	-
		phenocryst, matrix supported	106.41	108.41	2.00	FX 413416	0.025	0.100	3.0	266.	1.	-
88.15	90.15	Unoxidized lapilli tuff as	108.41	110.41	2.00	FX 413417	0.014	0.200	2.0	582.	1.	-
		above, minor local interstitial	110.41	112.41	2.00	FX 413418	0.006	0.100	5.0	122.	1.	-
		calcite, less than 1% calcite	112.41	114.41	2.00	FX 413419	0.003	0.100	2.0	113.	1.	-
90.15	92.15	Lapilli tuff as above, clast	114.41	115.06	0.65	FX 413420	0.002	0.100	6.0	540.	1.	-
		supported, locally unoxidized minor										
		limonite at lower contact										
92.15	94.20	Lapilli tuff as above,										
		matrix supported, unoxidized										
94.20	94.44	Lapilli tuff as above, with										
		some admixture of cherty pyritic										
		carbonaceous black argillite as wispy										
		patchs in tuffaceous matrix of lapilli										
		tuff, 2% pyrite										
94.44	97.31	Lapilli tuff as above,										
		matrix supported										
97.31	98.62	Pale green intensely clay										
		altered lapilli tuff nonoxidized										
98.62	100.62	Lapilli tuff as above, some										
		fragments up to 6 centimetre so grading										
		into tuff breccia, the matrix is red										
		brown and suggesting some oxidization,										
		but certainly not the pervasive										
		limonite as in upper contact, calcite										
		veining up to 3 millimetre										
100.62	102.41	Lapilli tuff as above, cut										
		by 1% calcite veining up to 3										
		millimetre, intense to total alteration										
102.41	104.41	As above heterolithic										
		lapilli tuff totally clay altered										
104.41	106.41	Lapilli tuff heterolithic as										
		above										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		106.41 108.41 Heterolithic lapilli tuff good clastic texture, it is clast supported										
		108.41 110.41 Lapilli tuff as above, lower half of interval is totally clay altered and is too soft to be cut by saw when wet, when dry it is too brittle										
		110.41 112.41 Lapilli tuff as above with lower third brown purple colour compared to pale green as above, complete clay alteration										
		112.41 114.41 Lapilli tuff as above, mixture of brown purple and pale green, locally sheared at middle of interval with angle to core axis of 45 degrees, too soft to cut when wet and too brittle when dry										
		114.41 115.06 Lapilli tuff as above, highly sheared fissile and completely clay altered with fissility at 45 degrees to core axis										
115.06	148.86	TUFF										
		Pale green gray homogeneous	115.06	117.09	2.03	FX 413421	0.001	0.100	3.0	254.	1.	-
		intermediate tuff with 1 millimetre to	117.09	119.09	2.00	FX 413422	0.001	0.100	5.0	279.	1.	-
		3 millimetre size grains common in	119.09	121.09	2.00	FX 413423	0.001	0.200	2.0	565.	1.	-
		generally ash- size matrix	121.09	123.09	2.00	FX 413424	0.002	0.200	5.0	152.	1.	-
		115.06 117.09 Tuff as above, fissile at	123.09	125.09	2.00	FX 413425	0.002	0.300	2.0	114.	1.	-
		upper contact	125.09	127.09	2.00	FX 413426	0.003	0.200	2.0	213.	1.	-
		117.09 119.09 Completely clay altered tuff	127.09	129.09	2.00	FX 413427	0.001	0.100	2.0	129.	1.	-
		119.09 121.09 Tuff as above	129.09	131.09	2.00	FX 413428	0.002	0.200	2.0	400.	1.	-
		121.09 123.09 Completely argillized tuff	131.09	133.09	2.00	FX 413429	0.004	0.100	3.0	166.	1.	-
		as above, fault slip at	133.09	135.09	2.00	FX 413430	0.007	0.100	3.0	109.	1.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		123.00 metres with angle to	135.09	137.09	2.00	FX 413431	0.003	0.200	5.0	148.	1.	-
		core axis of 40 degrees	137.09	139.09	2.00	FX 413432	0.001	0.100	4.0	1145.	1.	-
		123.09 125.09 Tuff as above	139.09	141.09	2.00	FX 413433	0.001	0.100	4.0	362.	1.	-
		125.09 127.09 Completely argillized tuff	141.09	143.09	2.00	FX 413434	0.003	0.200	2.0	1567.	1.	-
		as above	143.09	145.08	1.99	FX 413435	0.003	0.200	8.0	502.	1.	-
		127.09 129.09 As above	145.08	147.13	2.05	FX 413436	0.012	0.100	143.0	174.	5.	-
		129.09 131.09 As above completely	147.13	148.13	1.00	FX 413437	0.004	0.300	2.0	1191.	1.	-
		argillized	148.13	148.86	0.73	FX 413438	0.007	0.100	2.0	492.	1.	-
		131.09 133.09 As above, getting into										
		slightly red colour compared to creamy										
		gray as above										
		133.09 135.09 As above										
		135.09 137.09 As above										
		137.09 139.09 As above										
		139.09 141.09 As above										
		141.09 143.09 As above										
		143.09 145.08 Completely argillized tuff										
		as above										
		145.08 147.13 As above										
		147.13 148.86 As above										
148.86	156.86	CLAY										
		Pale creamy gray complete	148.86	150.86	2.00	FX 413439	0.006	0.200	6.0	388.	1.	-
		clay alteration of tuff, clastic, and	150.86	152.86	2.00	FX 413440	0.013	0.100	7.0	171.	1.	-
		noticeably softer than argillized	152.86	154.86	2.00	FX 413441	0.009	0.100	8.0	89.	1.	-
		sequence above no veining in this unit	154.86	156.86	2.00	FX 413442	0.004	0.100	12.0	14.	6.	-
		and no conspicuous fault foliation so										
		that the alteration is probably in situ										
		148.86 150.86 Clay as above										
		150.86 152.86 As above										
		152.86 154.86 As above										
		154.86 156.86 Clay as above										
156.86	157.86	ASH TUFF										
		Pale creamy gray totally	156.86	157.86	1.00	FX 413443	0.004	0.100	13.0	12.	2.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		argillized tuff as in sequence above but more coherent										
157.86	161.92	LAPILLI TUFF										
		Pale green tuff and lapilli tuff of the Nicola. This rock is clastic and not as fine grained as the tuff in sequence above, commonly is less altered and also locally veined	157.86	159.86	2.00	FX 413444	0.022	0.400	67.0	16.	9.	-
			159.86	160.87	1.01	FX 413445	0.117	0.300	77.0	12.	80.	-
			160.87	161.80	0.93	FX 413446	0.036	0.400	76.0	10.	4.	-
			161.80	161.92	0.12	FX 413447	0.021	1.600	51.0	12.	155.	-
		157.86 159.86 Intermediate to mafic lapilli tuff of the Nicola, angle of upper contact with fine grained tuff is at 30 degrees to core axis, and appears to be a straightforward bedding contact, tuff is intensely to totally clay altered and with minor local silicification and is cut by patchy lens of chalcedonic blue gray quartz up to 1 centimetre thick, 2% veining, less than 1% finely disseminated pyrite, also this rock is weakly to moderately fractured and infilled with hairline to 3 millimetre thick limonite alteration along fractures, fault slip with gouge at 159.22										
		159.86 160.87 Pale green lapilli tuff cut by chalcedonic quartz veins up to 3 centimetre thick, sub parallel to core axis, 1% pyrite, quartz is locally banded parallel to contact hairline to 1 millimetre thick colour from dark gray to gray to white, minor associated pyrite, local vugs, 12% veining, weak clay alteration										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		160.87 161.80 Lapilli tuff as above, locally silicified, cut by weak chalcedonic quartz stockwork, 2% veining										
		161.80 161.92 As above, weakly to moderately silicified and cut by with chalcedonic quartz stockwork up to 4 millimetre thick, forms hanging wall of vein, 5% veining										
161.92	162.08	QUARTZ VEIN										
		Dark gray to gray to colourless white chalcedonic quartz, with visible golds some breccia with chips of quartz vein material, 100% vein material, angles to core axis difficult to determine, but appears to be 60 degrees to vertical	161.92	162.08	0.16	FX 413448	0.031	3.100	12.0	24.	422.	-
162.08	166.47	LAPILLI TUFF										
		Pale green lapilli tuff of the Nicola, clastic texture difficult to determine	162.08	163.27	1.19	FX 413449	0.027	0.300	77.0	23.	30.	-
			163.27	165.15	1.88	FX 413450	0.022	0.600	100.0	12.	10.	-
			165.15	165.60	0.45	FX 413451	0.056	0.900	27.0	15.	55.	-
		162.08 163.27 As above cut by chalcedonic quartz vein parallel to core axis, and also a vein at lower contact that is at 35 degrees to core axis, quartz varying from dark gray to gray to white to buff, 20% veining	165.60	166.47	0.87	FX 413452	0.026	0.500	83.0	12.	4.	-
		163.27 165.15 Lapilli tuff as above, cut by weak quartz calcite stockwork up to 1 centimetre thick, with angle to core axis of 30 degrees, local weak silicification, broken core locally, 3% veining										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		165.15 165.60 As above cut by swarm of										
		dark gray to pale gray chalcedonic										
		quartz veins up to 3 centimetre thick,										
		30% veining, variable angles to core										
		axis										
		165.60 166.47 Lapilli tuff as above good										
		clastic texture, cut by weak stockwork										
		of chalcedonic quartz veins up to 5										
		millimetre thick, 2% veining										
166.47	166.88	FAULT										
		Fault breccia with gouge and	166.47	166.88	0.41	FX 413453	0.018	0.600	73.0	22.	12.	-
		rock flour matrix, some chalcedonic										
		quartz vein clasts, fault angle is										
		about 20 degrees to core axis										
166.88	180.08	LAPILLI TUFF										
		Typical mafic lapilli tuff	166.88	168.62	1.74	FX 413454	0.039	0.300	82.0	19.	22.	-
		166.88 168.62 Lapilli tuff cut by weak	168.62	170.07	1.45	FX 413455	0.019	0.100	51.0	21.	2.	-
		stockwork of chalcedonic quartz veins	170.07	172.04	1.97	FX 413456	0.010	0.100	49.0	12.	8.	-
		up to 1.5 centimetre thick with angle	172.04	172.52	0.48	FX 413457	0.004	0.300	43.0	12.	10.	-
		to core axis of 40 degrees, 5% veining,	172.52	174.32	1.80	FX 413458	0.011	0.200	70.0	16.	13.	-
		calcite veining with hematite envelope	174.32	174.86	0.54	FX 413459	0.014	0.200	42.0	14.	11.	-
		168.62 170.07 As above, with 4% veining	174.86	176.86	2.00	FX 413460	0.012	0.300	93.0	15.	13.	-
		170.07 172.04 Lapilli tuff as above, with	176.86	178.36	1.50	FX 413461	0.016	0.300	70.0	28.	27.	-
		moderate chalcedonic quartz stockwork	178.36	180.08	1.72	FX 413462	0.023	0.100	72.0	29.	26.	-
		common also with limonite and hematite										
		along hairline fractures, 3% veining										
		172.04 172.52 As above with moderate										
		chalcedonic quartz stockwork up to 1										
		centimetre thick, moderately to										
		intensely silicified, 8% veining										
		172.52 174.32 Lapilli tuff as above, with										
		weak clay alteration, weak chalcedonic										
		quartz stockwork locally oxidized										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		limonite and hematite, and up to 1										
		centimetre thick, 2% veining, minor										
		oxidized fault at 171.83 metres										
		174.32 174.86 As above cut by chalcedonic										
		quartz veins up to 3 centimetre thick										
		with angle to core axis of 20 degrees,										
		crude border banding, varies from gray										
		to colourless to white to buff orange										
		colour probably due to minor limonite,										
		weakly to moderately silicified, 12%										
		veining										
		174.86 176.86 Lapilli tuff as above with										
		moderate stockwork of limonite										
		fractures hairline to 3 millimetre										
		thick, weakly clay altered, 2% veining										
		176.86 178.36 Lapilli tuff as above with										
		weak chalcedony and limonite stockwork										
		up to 5 millimetre thick, 3% veining										
		178.36 180.08 As above but bleached creamy										
		white pale green, locally brecciated at										
		179.05 metres, probably										
		fault breccia sub parallel to low angle										
		to core axis, nil to weak clay										
		alteration, 1% veining										
180.08	186.76	BRECCIA										
		This is a breccia made up of	180.08	180.82	0.74	FX 413463	0.014	0.100	55.0	20.	17.	-
		Nicola lapilli tuff enclosed in a	180.82	181.50	0.68	FX 413464	0.009	0.200	86.0	13.	15.	-
		matrix of limonite, rock flour and	181.50	182.82	1.32	FX 413465	0.015	0.100	634.0	15.	26.	-
		broken up lithic material, probably a	182.82	184.64	1.82	FX 413466	0.052	0.500	438.0	14.	52.	-
		fault breccia	184.64	185.75	1.11	FX 413467	0.015	0.700	188.0	15.	86.	-
		180.08 180.82 Clast supported breccia of	185.75	186.76	1.01	FX 413468	0.007	0.600	80.0	16.	135.	-
		Nicola in limonitic and rock flour										
		matrix, some brecciated chalcedonic										

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

quartz vein material, forms a 2 centimetre thick parallel to core axis vein that is internally brecciated, 6% vein material

180.82 181.50 Pale green breccia as above, mainly lithic clasts with minor vein clasts, 1% vein material

181.50 182.82 Breccia as above this is a bleached white weakly to intensely clay altered breccia with lithic fragments and minor local clasts of massive pyrite up to 1 centimetre, pyrite also along fractures associated with dark gray chalcedony veining up to 3 millimetre thick, 3% veining, it is crackle breccia appearance in upper half and lower half is rock flour matrix fault breccia

182.82 184.64 Breccia as above, locally limonitic (prob after pyrite), local pyrite clasts patchy clasts of massive pyrite up to 2 centimetre, some colourless and black chalcedony fragments as clasts, matrix mainly rock flour and gouge, locally vein material is abundant as clasts a crude foliation is present which sub parallel to core axis

184.64 185.75 Breccia as above but a mixture of crackle breccia with weakly clay altered clasts and dark gray to colourless chalcedony veining up to 3 centimetre across, some pyrite along

** INCO **

DRILL LOG

FROM (m) | TO (m) | DESCRIPTION

fractures, 7% quartz veining
185.75 186.76 Breccia as above, matrix supported and is mainly chalcedony, locally grades into crackle breccia, lithic clasts are either moderately silicified or moderately to intensely clay altered, 20% vein material

186.76 194.04 STOCKWORK

Bleached pale cream rock is variably silicified and clay altered and cut by extensive stockwork of dark gray to gray chalcedonic quartz up to 2 centimetre thick rock has broken in a brittle manner and presumably is related to the breccia above

186.76 187.76 White volcanic cut by dark gray chalcedonic veins up to 3 millimetre thick, 3% veining

187.76 188.76 As above cut by veins up to 1 centimetre thick, 4% veining, rock are weak clay alteration and weak to moderate silicification

188.76 189.76 As above with veining up to 2 centimetre thick at random angles to core axis, 15% veining, local vein breccia, alteration as above

189.76 190.72 As above with veins up 2 centimetre thick, with alteration as above, local breccia with rock flour matrix and chalcedony clasts, 17% veining, weak limonite alteration along fractures as has been the case for entire interval of stockwork above

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
186.76	187.76	1.00	FX 413469	0.015	0.700	177.0	16.	64.	-
187.76	188.76	1.00	FX 413470	0.008	0.900	85.0	17.	67.	-
188.76	189.76	1.00	FX 413471	0.016	1.500	71.0	26.	160.	-
189.76	190.72	0.96	FX 413472	0.029	1.000	68.0	15.	63.	-
190.72	192.51	1.79	FX 413473	0.147	0.800	41.0	15.	19.	-
192.51	194.04	1.53	FX 413474	0.102	0.700	44.0	64.	71.	-

** INCO **
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		190.72 192.51 As above but brown orange colour and moderately oxidized along fractures stockwork is intense, chalcedony is honey brown colour, 6% veining, alteration as above										
		192.51 194.04 Interval consists of broken core and core pebbles totalling 53 centimetre over the entire interval but blocks indicate much greater interval almost 70% lost core, interval is intensely silicified honey brown material cut by dark gray chalcedonic quartz vein, locally quartz veins contain clasts of vein material, 50% of interval is vein material .Comment, the poor core recovery makes the chemical assay nonrepresentative and not weighted at all										
194.04	194.46	FAULT										
		Limonitized chlorite and clay altered fault breccia with minor white quartz veining, abundant broken core 4% veining	194.04	194.46	0.42	FX 413475	0.015	0.100	47.0	19.	10.	-
194.46	200.77	VOLCANIC										
		194.46 195.93 Bleached and weakly clay altered rock is cut by white calcite quartz stockwork up to 5 millimetre thick, abundant mottled alteration colours ranging from presumably fresh gray to yellow to pink brown, body limonite alteration after a disseminated mineral common, 3% veining	194.46	195.93	1.47	FX 413476	0.004	0.100	8.0	26.	3.	-
			195.93	196.49	0.56	FX 413477	0.014	0.600	11.0	36.	28.	-
			196.49	197.82	1.33	FX 413478	0.010	0.100	8.0	27.	4.	-
			197.82	198.25	0.43	FX 413479	0.057	0.300	50.0	29.	14.	-
			198.25	199.31	1.06	FX 413480	0.013	0.100	57.0	16.	15.	-
			199.31	200.09	0.78	FX 413481	0.033	0.200	38.0	13.	10.	-
			200.09	200.77	0.68	FX 413482	0.022	0.100	48.0	43.	54.	-
		195.93 196.49 As above cut by chalcedonic										

** INCO **
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		quartz vein up to 2 centimetre thick, abundant broken core veins have silicified lithic clasts, at lower contact rock flour in addition to matrix, 15% veining, and host rocks are intensely silicified										
		196.49 197.82 Variable altered and mottled volcanic cut by white quartz calcite veining, up to 1 centimetre thick, abundant broken core, 2% veining										
		197.82 198.25 Volcanic cut by white quartz veins up to 3 centimetre thick with angle to core axis of 50 degrees, host rocks are weakly silicified to a brown colour, 20% veining										
		198.25 199.31 Variable altered volcanic, locally oxidized to brown colour fresh pale creamy green, moderately silicified locally, cut by 1% veining										
		199.31 200.09 Weakly to moderately clay altered volcanic cut by white quartz veins up to 11 centimetre thick, 30% veining, vein angles to core axis are steep, but core is broken and the relationship is difficult to determine										
		200.09 200.77 Altered volcanic as above locally oxidized with weak limonite alteration, cut by weak to moderate stockwork of quartz calcite veins up to 2 centimetre thick, 6% veining										
200.77	201.39	TUFF										
		Totally clay altered gray ashy to gritty homogeneous fine grained	200.77	201.39	0.62	FX 413483	0.006	0.100	59.0	35.	43.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		tuff, with pyrite locally along fractures cut by a 5 millimetre calcite vein, 2% veining .Comment, this rock is intensely clay altered and friable, and may mark the site of a fault										
201.39	203.08	VOLCANIC										
		201.39 201.95 Buff brown oxidized volcanic	201.39	201.95	0.56	FX 413484	0.019	0.400	18.0	135.	46.	-
		weakly to intensely silicified, cut by	201.95	202.80	0.85	FX 413485	0.022	0.200	22.0	19.	8.	-
		white chalcedonic quartz veins up to 1	202.80	203.08	0.28	FX 413486	0.030	0.100	44.0	18.	11.	-
		centimetre thick, 10% veining										
		201.95 202.80 As above cut by weak stockwork of chalcedony veinlets ranging from dark gray to white to colourless, with minor pyrite locally, 12% veining, more than 1% pyrite										
		202.80 203.08 As above but intensely silicified host rock cut by chalcedonic quartz, green fluorite and minor fine grained pyrite vein stockwork, veins up to 5 millimetre thick, anastomosing 15% veining										
203.08	203.32	FAULT										
		Oxidized yellow brown gouge	203.08	203.32	0.24	FX 413487	0.026	0.200	69.0	63.	19.	-
		and rock flour matrix fault breccia with local white chalcedony vein material clasts										
203.32	205.53	VOLCANIC										
		Variably altered fine	203.32	205.04	1.72	FX 413488	0.009	0.200	17.0	29.	9.	-
		grained volcanic of intermediate to	205.04	205.53	0.49	FX 413489	0.007	0.100	7.0	18.	1.	-
		felsic composition unoxidized moderate to intensely to totally clay altered volcanic cut by chalcedony vein stockwork with minor pyrite clumps,										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		veins up to 1 centimetre thick, 9% veining, moderate stockwork, less than 1% pyrite .Comment- the oxidized zone that is variably silicified and cut by chalcedony veins in this hole around 148 to 160 metres is a carbonate altered zone										
		205.04 205.53 Cream buff colour friable intensely clay altered volcanic, probably tuff, 1% disseminated pyrite cut by 1% pyrite veining, this may be a fault										
205.53	207.86	MARBLE										
		205.53 206.28 Brown variably weakly clay altered and locally silicified volcanic cut by white quartz veins up to 2 centimetre thick, and a 2 centimetre thick gray to colourless chalcedonic quartz vein angle to core axis of 40 degrees, vuggy, 80% veining	205.53	206.28	0.75	FX 413490	0.022	0.100	43.0	16.	13.	-
		206.28 207.86 Mottled variably altered, colours ranging from unaltered gray to cream white to buff to pale greenish white, 1% very fine grained locally disseminated pyrite, local moderate clay alteration no silicification	206.28	207.86	1.58	FX 413491	0.018	0.100	24.0	13.	3.	-
207.86	208.74	QUARTZ										
		Gritty locally calcareous pale green quartzite, abundant broken core, weak local moderate limonite and gypsum along fractures	207.86	208.74	0.88	FX 413492	0.197	0.100	61.0	280.	14.	-
208.74	210.94	MARBLE										
		208.74 210.52 Marble variably altered	208.74	210.52	1.78	FX 413493	0.013	0.200	13.0	16.	4.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		ranging from unaltered black fine to medium grained to white to buff cream colour, cut by moderate stockwork of chalcedonic quartz veins from gray to honey brown colour, and up to 6 millimetre thick, 4% veining	210.52	210.94	0.42	FX 413494	0.075	0.100	41.0	26.	70.	-
		210.52 210.94 Silicified marble is cut by gray chalcedony veins, silicified marble is honey brown in colour, veining is up to 4 centimetre thick, 25% veining										
210.94	217.56	CALC SILICATE SKARN										
		Bleached cream colour fine grained felsic calc silicate skarn	210.94	211.47	0.53	FX 413495	0.019	0.100	14.0	22.	30.	-
		210.94 211.47 Tuff as above, moderately clay altered and cut by black chalcedonic quartz veins with minor pyrite up to 2 centimetre thick, angle to core axis of 70 degrees, 8% veining	211.47	212.14	0.67	FX 413496	0.004	0.200	6.0	40.	10.	-
		211.47 212.14 As above, bleached calc silicate skarn cut by 2 centimetre thick quartz calcite vein, 5% veining	212.14	214.14	2.00	FX 413497	0.002	0.100	5.0	99.	11.	-
		212.14 214.14 Chloritic calc silicate skarn cut by moderate quartz calcite stockwork up to 2 centimetre thick, with variably angle to core axis, 8% veining	214.14	216.14	2.00	FX 413498	0.008	0.300	12.0	31.	38.	-
		214.14 216.14 As above, 7% veining	216.14	217.56	1.42	FX 413499	0.011	0.300	13.0	25.	11.	-
		216.14 217.56 As above cut by quartz calcite pyrites up to 2 centimetre thick, angle to core axis of 30 degrees, at 10% veining										
217.56	217.88	FAULT										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		Fault breccia consisting of weakly silicified weakly clay altered lithic fragments and abundant white quartz and calcite vein material in matrix of roch flour and gouge, angle to core axis of foliation at upper contact is 50 degrees, vein material is 15%	217.56	217.88	0.32	FX 413500	0.012	0.400	22.0	20.	21.	-
217.88	223.42	CALC SILICATE SKARN										
		Typical garnet diopside calc silicate skarn with variably degrees of alteration and cut by a quartz calcite stockwork	217.88	219.90	2.02	FX 413501	0.010	0.400	20.0	38.	46.	-
			219.90	221.90	2.00	FX 413502	0.014	0.500	10.0	26.	11.	-
			221.90	223.42	1.52	FX 413503	0.018	0.500	5.0	17.	149.	-
		217.88 219.90 As above, with weak clay alteration and chlorite alteration, cut by quartz calcite stockwork up to 4 centimetre thick, relict garnet patches, angle to core axis is 80 degrees one 3 centimetre thick quartz calcite vein breccia at 45 degrees to core axis at lower contact, 6% veining										
		219.90 221.90 Chlorite altered calc silicate skarn as above, relict garnet patches, cut by quartz calcite veins with hematite and or pyrite, 4% veining										
		221.90 223.42 Calc silicate skarn as above, chlorite altered, cut by quartz calcite pyrite vein 2 centimetre thick, with angle to core axis of 50 degrees, 4% veining FOOT OF HOLE AT 223.42 METERS										

** INCO **

DRILL LOG

BOREHOLE :72484-0 PRINT DATE :18-AUG-1989 13:29

PROJECT	: Epi- Gnome						
Latitude	: 170.00N	Departure	: 432.00E	Elevation	: 1103.00m	Hole length	: 310.90m
NTS/Quad	: 92P-2W	Logged by	: J.A. Morin	Assay req.	: Acme Analytical - ICP &	Level	: Surface
Country	: Canada	Drilled by	: Beaupre Diamond Drilling	Test Method	: Acid etch tube	Grid name	:
Prov./state	: B.C.	Drill type	: Longyear 38	Started	: 30 MAY, 1989	BL azimuth	: 358.5 degrees
Twp/County	:	Core size	: NQWL	Completed	: ne	BH bearing	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	270.00	-60.00	62.79	-1.00	-58.50	123.74	-1.00	-58.00	184.70	-1.00	-58.50
245.66	-1.00	-58.00	309.66	-1.00	-60.50						

COMMENTS : **

LEFT IN HOLE Nothing left in hole

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
0.00	6.71	CASING										
		nO core record	0.00	6.71	6.71	NS						-
6.71	24.43	CONGLOMERATE										
		Miocene epiclastic conglomerate with clasts ranging from 2 millimetre up to 40 centimetre, chaotic, tuffaceous ash matrix, gray	6.71	24.43	17.72	NS						-
		6.71 16.76 Abundant core pebbles and sand . This interval was cased										
		16.76 24.43 Conglomerate as above										
24.43	31.47	VOLCANIC										
		Oxidized volcanic of	24.43	25.83	1.40	FX 413504	0.041	0.100	48.0	50.	4.	-
		probably lapilli tuff parentage,	25.83	26.01	0.18	FX 413505	0.029	0.100	60.0	54.	3.	-
		intermediate to mafic composition,	26.01	28.01	2.00	FX 413506	0.021	0.100	42.0	51.	3.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		lapilli tuff textures are locally	28.01	30.01	2.00	FX 413507	0.022	0.100	29.0	48.	3.	-
		recognizable	30.01	30.51	0.50	FX 413508	0.011	0.100	33.0	59.	3.	-
		24.43 25.83 As above, with broken core	30.51	31.47	0.96	FX 413509	0.033	0.100	35.0	53.	3.	-
		common, some chalcedony veining near										
		upper contact up to 1 centimetre thick,										
		abundant limonite along fractures,										
		local gouge at 25.27 metres apparent										
		fault breccia at 25.60 metres, rock is										
		all pale brown red and oxidized and										
		locally there are leached out vugs, 2%										
		veining										
		25.83 26.01 As above cut by 2 centimetre										
		thick fractured chalcedony vein with										
		angle to core axis of 30 degrees, minor										
		limonite along fractures, 25% veining										
		26.01 28.01 Brown oxidized volcanic as										
		above, cut by chalcedony vein up to 1										
		centimetre thick, 1% veining										
		28.01 30.01 As above, but less										
		limonitic, moderately fractured, local										
		patchy gray weak silicification										
		30.01 30.51 As above, but abundant irky										
		red limonite and leached out cavities										
		30.51 31.47 Weakly oxidized volcanic,										
		lapilli tuff, cut by limonite gouge										
		fault slip at 35 degrees parallel to										
		core axis, limonite is up to 1										
		centimetre thick and may indicate										
		centre of oxidization of iron										
		sulphides?, less than 1% veining										
31.47	31.91	QUARTZ VEIN										
		White chalcedonic quartz	31.47	31.91	0.44	FX 413510	0.035	0.100	16.0	301.	2.	-
		vein cut by volcanic with clasts of										

** INCO **
DRILL LOG

FROM m	TO m	DESCRIPTION

volcanic in vein common, vein angle to core axis difficult to determine but is probably 80 degrees, 2% fluorite, center of limonite alteration along fractures, 40% veining Comment the fluorite crystals are box-like and may account for the box-like casts occasionally found in surface silica sinter float

31.91 36.11 VOLCANIC

Medium grained lapilli tuff with variable degrees of recognizeable textures

31.91 32.22 Volcanic as above cut by weak chalcedonic quartz stockwork up to 3 millimetre thick, vuggy, 4% veining

32.22 32.55 As above cut by chalcedonic quartz vein breccia up to 4 centimetre thick, with variable angle to core axis, moderately clay altered lithic clasts, limonite common along fractures cutting volcanic and quartz, 30% veining

32.55 33.03 Volcanic as above cut by weak chalcedonic vein stockwork up to 2 millimetre thick, 2% veining

33.03 33.20 As above cut by chalcedonic quartz veins up to 2 centimetre thick, variable angles to core axis, 12% veining, limonite common along fractures with vein

33.20 34.11 Volcanic cut by limonitic fault slip in middle of interval, and

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
31.91	32.22	0.31	FX 413511	0.022	0.100	41.0	30.	2.	-
32.22	32.55	0.33	FX 413512	0.058	0.100	51.0	79.	3.	-
32.55	33.03	0.48	FX 413513	0.082	2.100	126.0	46.	14.	-
33.03	33.20	0.17	FX 413514	0.025	0.100	55.0	32.	4.	-
33.20	34.11	0.91	FX 413515	0.035	0.100	74.0	31.	4.	-
34.11	35.11	1.00	FX 413516	0.056	0.100	73.0	26.	3.	-
35.11	36.11	1.00	FX 413517	0.070	0.100	125.0	27.	4.	-

FROM m	TO m	DESCRIPTION

also 6 millimetre chalcedony vein, 2% veining

34.11 35.11 Volcanic cut by weak to moderate chalcedonic quartz stockwork up to 1 centimetre thick, 5% veining

35.11 36.11 Volcanic as above cut by weak to moderate chalcedonic stockwork 6 millimetre thick, 4% veining

36.11 45.92 LAPILLI TUFF

Brown green intermediate to mafic lapilli tuff with porphyritic clasts with chlorite after mafic phenocrysts, clasts up to several centimetre

36.11 37.32 Lapilli tuff as above, cut by limonitic fault slips and chalcedony stockwork up to 1 centimetre thick, 1% veining, oxidized fault slips are at 20 degrees to 60 degrees to core axis

37.32 38.48 Lapilli tuff as above cut by weak chalcedony stockwork up to 1 centimetre thick, local hairline banding, 3% veining

38.48 39.96 As above cut by anastomosing chalcedony veins up to 2 centimetre thick, 18% veining

39.96 41.41 As above, cut by 8% chalcedony veining

41.41 42.18 Lapilli tuff cut by chalcedonic quartz vein stockwork, veins up to 1 centimetre thick 7% veining, limonite and hematite ? common along fault slip fractures

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
36.11	37.32	1.21	FX 413518	0.065	0.100	144.0	34.	13.	-
37.32	38.48	1.16	FX 413519	0.064	0.100	175.0	41.	14.	-
38.48	39.96	1.48	FX 413520	0.052	0.100	116.0	31.	7.	-
39.96	41.41	1.45	FX 413521	0.085	0.100	132.0	19.	20.	-
41.41	42.18	0.77	FX 413522	0.106	0.100	114.0	32.	24.	-
42.18	43.00	0.82	FX 413523	0.086	1.900	138.0	143.	18.	-
43.00	43.35	0.35	FX 413524	0.146	0.100	104.0	23.	15.	-
43.35	44.64	1.29	FX 413525	0.087	0.100	144.0	202.	16.	-
44.64	45.32	0.68	FX 413526	0.423	0.500	182.0	26.	39.	-
45.32	45.92	0.60	FX 413527	0.168	0.200	182.0	25.	39.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		42.18 43.00 As above, cut by chalcedonic quartz stockwork 4% veining										
		43.00 43.35 Lapilli tuff cut by conspicuously vuggy chalcedony vein up to 5 centimetre thick, white, lithic clasts common, 25% veining										
		43.35 44.64 Oxidized lapilli tuff as above, cut by chalcedony veins up to 1 centimetre thick, 4% veining										
		44.64 45.32 As above cut by chalcedony veining up to 2 centimetre thick, also fluorite, extensive limonite associated with veins and fault slips, 10% veining										
		45.32 45.92 Lapilli tuff as above cut by 1% chalcedony veining up to 3 millimetre thick										
45.92	46.44	QUARTZ VEIN										
		Lapilli tuff cut by white chalcedonic quartz with well developed vein breccia, host rock and lithic clasts are moderately clay altered, 35% vein material	45.92	46.44	0.52	FX 413528	0.059	0.100	87.0	16.	57.	-
46.44	46.78	LAPILLI TUFF										
		Typical mafic lapilli tuff	46.44	46.78	0.34	FX 413529	0.098	0.800	198.0	21.	50.	-
		46.44 46.78 Lapilli tuff as above, well extensive limonite along fractures, cut by 1% chalcedony veining										
46.78	47.14	QUARTZ VEIN										
		Lapilli tuff is cut by white chalcedonic quartz vein, with abundant vugs several millimetre across, foam texture and cloudy, vein is broken up but is 14 centimetre thick, 45% veining	46.78	47.14	0.36	FX 413530	0.138	0.900	61.0	46.	187.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION
47.14	60.20	LAPILLI TUFF

Typical intermediate to mafic lapilli tuff with recognizable clastic texture

47.14 48.22 As above, cut by chalcedonic quartz veins up to 6 millimetre thick, 2% veining

48.22 49.55 As above, weakly clay and chlorite altered, oxidized with matrix weakly to moderately limonitized, cut by less than 1% chalcedony veins

49.55 50.14 Lapilli tuff cut by chalcedony matrix breccia 14 centimetre thick at upper contact, and by a 4 centimetre thick white to colourless chalcedonic quartz vein at lower contact, breccia has intensely silicified lithic clasts and is clast supported, chalcedony vein at lower contact has hairline banding at 90 degrees to core axis, tuff is cut by fractures with abundant limonite to 1 centimetre thick, 15% veining

50.14 51.34 Lapilli tuff as above, weakly chloritic and clay altered with some limonite alteration along fractures, feldspar phenocrysts clasts common throughout interval, cut by 1% chalcedony veining

51.34 52.00 Lapilli tuff to volcanic conglomerate with feldspar porphyritic clasts common, also clasts of vein chalcedony material, matrix is

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
47.14	48.22	1.08	FX 413531	0.087	0.100	64.0	45.	11.	-
48.22	49.55	1.33	FX 413532	0.063	0.100	51.0	38.	9.	-
49.55	50.14	0.59	FX 413533	0.035	0.200	29.0	19.	8.	-
50.14	51.34	1.20	FX 413534	0.037	0.100	54.0	35.	7.	-
51.34	52.00	0.66	FX 413535	0.012	0.100	19.0	60.	3.	-
52.00	53.23	1.23	FX 413536	0.012	0.100	32.0	16.	3.	-
53.23	54.42	1.19	FX 413537	0.015	0.100	39.0	101.	4.	-
54.42	54.98	0.56	FX 413538	0.113	0.100	35.0	31.	8.	-
54.98	56.94	1.96	FX 413539	0.010	0.200	14.0	63.	1.	-
56.94	58.41	1.47	FX 413540	0.119	0.100	116.0	69.	8.	-
58.41	58.94	0.53	FX 413541	0.051	0.100	94.0	25.	9.	-
58.94	59.74	0.80	FX 413542	0.112	0.100	120.0	25.	7.	-
59.74	60.20	0.46	FX 413543	0.111	0.100	68.0	25.	6.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

tuffaceous, lapilli tuff is cut by 2 centimetre thick white to colourless chalcedonic quartz vein hairline to 2 millimetre banding at 70 degrees to core axis, 7% vein material

52.00 53.23 Lapilli tuff as above with very few feldspar porphyritic clasts, cut by chalcedony veining up to 2 centimetre thick, 3% veining

53.23 54.42 Lapilli tuff, moderately oxidized, cut by less than 1% chalcedony and quartz veining

54.42 54.98 As above cut by chalcedony vein 5 centimetre thick, mainly broken core, 10% veining

54.98 56.94 Lapilli tuff as above, weakly to moderately oxidized, clay and chlorite altered, cut by less than 1% veining

56.94 58.41 Moderately to intensely oxidized lapilli tuff with gouge and intermediate limonite at 58.40 metres and 58.65 metres, minor associated chalcedony veining and silicified wall rock, 1% veining

58.41 58.94 Lapilli tuff as above, but with abundant broken core, highly oxidized and brecciated, total clay limonite alteration and cut by chalcedonic quartz veins up to 2 centimetre thick that are brecciated themselves, wall-rock are weakly

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	XMIN
		silicified, 6% veining										
		58.94 59.74 As above but coherent and										
		weakly to moderately oxidized, cut by										
		chalcedony vein up to 1.5 centimetre										
		thick white to colourless moderate clay										
		alteration, 2% veining										
		59.74 60.20 As above but broken core										
		common, locally brecciated and highly										
		liminotized cut by chalcedonic quartz										
		veining up to 2 centimetre thick, 6%										
		veining										
60.20	102.29	LAPILLI TUFF										
		Lapilli tuff as above, but coherent,	60.20	61.98	1.78	FX 413544	0.058	0.100	91.0	30.	8.	-
		cut by 1.5 centimetre thick white	61.98	63.24	1.26	FX 413545	0.226	0.200	200.0	98.	12.	-
		chalcedony vein 1% veining, moderate	63.24	64.55	1.31	FX 413546	0.128	0.100	170.0	31.	15.	-
		clay alteration and locally intensely	64.55	65.50	0.95	FX 413547	0.025	0.100	158.0	33.	22.	-
		oxidized along fractures	65.50	65.73	0.23	FX 413548	0.773	0.100	121.0	29.	29.	-
		61.98 63.24 Intensely oxidized lapilli	65.73	66.19	0.46	FX 413549	0.055	0.100	45.0	30.	12.	-
		tuff locally highly brecciated, totally	66.19	67.48	1.29	FX 413550	0.058	0.100	114.0	23.	25.	-
		clay altered from 62.79 metres to lower	67.48	68.21	0.73	FX 413551	0.177	0.100	243.0	25.	15.	-
		contact, cut by chalcedonic veining up	68.21	70.17	1.96	FX 413552	0.109	0.300	249.0	26.	20.	-
		to 5 millimetre thick, less than 2%	70.17	71.93	1.76	FX 413553	0.067	0.100	215.0	22.	19.	-
		veining	71.93	73.93	2.00	FX 413554	0.098	0.100	181.0	63.	21.	-
		63.24 64.55 Weakly oxidized lapilli tuff	73.93	74.37	0.44	FX 413555	0.061	0.100	90.0	18.	27.	-
		cut by chalcedonic quartz veining up to	74.37	74.72	0.35	FX 413556	0.023	0.100	94.0	14.	12.	-
		5 millimetre thick, and parallel to	74.72	74.95	0.23	FX 413557	0.028	0.100	83.0	28.	17.	-
		core axis, 5% veining	74.95	75.20	0.25	FX 413558	0.086	0.100	127.0	35.	25.	-
		64.55 65.50 Highly brecciated and	75.20	76.13	0.93	FX 413559	0.084	0.100	126.0	50.	19.	-
		intensely oxidized limonitized lapilli	76.13	77.94	1.81	FX 413560	0.019	0.100	41.0	15.	15.	-
		tuff, no veining abundant broken core	77.94	79.80	1.86	FX 413561	0.136	0.100	232.0	21.	26.	-
		65.50 65.73 Coherent lapilli tuff weakly	79.80	80.77	0.97	FX 413562	0.103	0.100	179.0	17.	27.	-
		oxidized cut by chalcedony vein breccia	80.77	81.22	0.45	FX 413563	0.106	0.100	199.0	17.	26.	-
		3 centimetre thick at 64.94 metres,	81.22	81.82	0.60	FX 413564	0.129	0.200	108.0	24.	22.	-

FROM m | TO m | DESCRIPTION

rock is weakly clay altered, 2% veining

65.73 66.19 As above cut by chalcedonic quartz veins up to 2 centimetre thick with angle to core axis of 45 degrees, 15% veining, limonite associated with some veins

66.19 67.48 Lapilli tuff weakly oxidized, cut by 1% chalcedony veining up to 5 millimetre thick

67.48 68.21 As above cut by chalcedonic quartz veins white to colourless, 1 vein breccia up to 12 centimetre thick with angle to core axis of 70 degrees and 45 degrees, 20% veining, local silicification host rock clast in vein breccia

68.21 70.17 Lapilli tuff weakly oxidized cut by chalcedonic quartz veins up to 1 centimetre thick, 1% veining, weak to moderate clay alteration

70.17 71.93 Weakly oxidized lapilli tuff cut by chalcedony veins up to 1 centimetre thick, at 60 degrees to core axis, and also at 20 degrees to core axis, local rock flour fault breccia in middle of interval, 2% veining

71.93 73.93 As above, with local limonitic faults at 72.83 to 73.20 metres, cut by minor chalcedony hematite veinlets up to 5 millimetre thick, 1% veining

73.93 74.37 As above cut by several chalcedony veins up to 2 centimetre

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
81.82	83.04	1.22	FX 413565	0.070	0.100	147.0	23.	24.	-
83.04	84.72	1.68	FX 413566	0.165	0.300	245.0	65.	18.	-
84.72	85.07	0.35	FX 413567	0.046	0.200	71.0	47.	10.	-
85.07	85.28	0.21	FX 413568	0.033	0.200	81.0	31.	25.	-
85.28	86.90	1.62	FX 413569	0.215	0.100	170.0	26.	63.	-
86.90	87.27	0.37	FX 413570	0.036	0.300	64.0	79.	24.	-
87.27	88.05	0.78	FX 413571	0.108	0.100	98.0	16.	24.	-
88.05	88.61	0.56	FX 413572	0.117	0.100	81.0	262.	18.	-
88.61	89.20	0.59	FX 413573	0.100	0.100	83.0	33.	28.	-
89.20	90.46	1.26	FX 413574	0.103	0.100	95.0	196.	24.	-
90.46	90.76	0.30	FX 413575	0.412	0.100	190.0	15.	43.	-
90.76	91.06	0.30	FX 413576	0.060	0.100	146.0	12.	24.	-
91.06	91.95	0.89	FX 413577	0.038	0.100	85.0	20.	15.	-
91.95	92.73	0.78	FX 413578	0.047	0.100	96.0	22.	15.	-
92.73	93.98	1.25	FX 413579	0.053	0.200	83.0	17.	33.	-
93.98	95.27	1.29	FX 413580	0.035	0.100	103.0	29.	38.	-
95.27	95.65	0.38	FX 413581	0.048	0.100	97.0	47.	46.	-
95.65	96.19	0.54	FX 413582	0.054	0.100	100.0	29.	23.	-
96.19	97.08	0.89	FX 413583	0.100	0.100	125.0	29.	27.	-
97.08	97.91	0.83	FX 413584	0.097	0.100	122.0	45.	24.	-
97.91	98.80	0.89	FX 413585	0.082	0.100	71.0	21.	20.	-
98.80	99.24	0.44	FX 413586	0.016	0.100	37.0	15.	14.	-
99.24	99.76	0.52	FX 413587	0.009	0.100	17.0	12.	9.	-
99.76	100.12	0.36	FX 413588	0.008	0.200	16.0	12.	7.	-
100.12	101.08	0.96	FX 413589	0.052	0.300	54.0	17.	22.	-
101.08	102.29	1.21	FX 413590	0.042	0.200	39.0	17.	21.	-

** INCO **
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

thick with angle to core axis of 50 degrees, 14% veining

74.37 74.72 Lapilli tuff, coherent, weak to moderate clay alteration, no veining

74.72 74.95 Lapilli tuff cut by chalcedony veins up to 2 centimetre thick, 8% veining

74.95 75.20 Lapilli tuff cut by 6 centimetre thick chalcedony vein breccia with silicified lithic clasts and with hairline to 2 millimetre banding at upper contact, banding is at 90 degrees to core axis, 30% veining

75.20 76.13 Lapilli tuff cut by chalcedony vein up to 3 centimetre thick parallel to core axis with clasts of clay altered lithic material and limonite rich matrix in vein breccia, broken core core common, 20% veining, quartz forms up to 4 millimetre long clasts and vein appears to be brecciated with limonite rich matrix

76.13 77.94 Moderately to highly oxidized lapilli tuff, broken core common, some fault breccia along fractures, 1% veining

77.94 79.80 Lapilli tuff as above cut by chalcedony veins up to 1 centimetre thick, less than 2% veining

79.80 80.77 Highly oxidized and locally brecciated lapilli tuff, abundant broken core, no veining

80.77 81.22 Coherent pale green weakly

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

oxidized lapilli tuff, cut by less than 1% veining

81.22 81.82 As above cut by chalcedony veining and vein breccia up to 3 centimetre thick, at 90 degrees to core axis, 20% veining

81.82 83.04 Lapilli tuff as above, cut by 1.5 centimetre thick chalcedony vein sub parallel to core axis, 5% veining, local weak silicification, maybe brecciated at lower contact with chloritic matrix

83.04 84.72 Lapilli tuff as above, locally weakly silicified, cut by chalcedony veining up to 2 centimetre thick with angle to core axis of 20 degrees and 30 degrees, 3% veining

84.72 85.07 Lapilli tuff chloritic cut by chalcedony vein up to 1.5 centimetre thick with angle to core axis of 40 degrees, 12% veining

85.07 85.28 Lapilli tuff as above, pale green, variably silicified locally, cut by 2% veining

85.28 86.90 Lapilli tuff buff brown colour due to oxidization, cut by chalcedony vein up to 1.5 centimetre thick and sub parallel to core axis and also at 90 degrees to core axis, 6% veining

86.90 87.27 Lapilli tuff as above cut by chalcedonic quartz veins up to 2 centimetre thick, with angle to core

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

axis of 45 degrees, veins have a leached quartz box-like structure host rock is locally silicified where veins form a concentration, 12% veining

87.27 88.05 Lapilli tuff as above weakly oxidized cut by 2% chalcedony veins up to 1 centimetre thick

88.05 88.61 As above cut by chalcedony vein from 1 to 5 centimetre thick, host rock are intensely silicified, and vein structure consists of 1 centimetre colourless to gray feeder vein into overlying banded pocket of chalcedonic quartz from olive to brown green to very pale gray to colourless to white in colour towards the upper part of the vein pocket, .This piece of core is particularly illustrative of a feeder system into a layered chalcedony pocket, crackle stockwork of chalcedony veining below portion described above, 35% veining, green fluorite common, banding is at 45 degrees to core axis, crackle veining at lower contact is highly leached and associated with limonite, 1 centimetre feeder vein is at conjugate 150 degrees

88.61 89.20 As above, weakly to moderately silicified near upper contact, cut by chalcedony veining up to 1.5 centimetre thick at 50 degrees to core axis, 4% veining

89.20 90.46 Weakly to moderately

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

oxidized lapilli tuff cut by chalcedony veins up to 6 millimetre thick, with red limonitic envelopes, 4% veining

90.46 90.76 As above cut by chalcedony veins up to 4 centimetre thick, 15% veining

90.76 91.06 As above cut by 1% chalcedony veining up to 3 millimetre thick

91.06 91.95 Lapilli tuff as above cut by 14% chalcedony veining up to 3 centimetre thick, veins parallel to core axis and at 30 degrees to core axis

91.95 92.73 Lapilli tuff cut by 7% chalcedony fluorite veining up to 2 centimetre thick

92.73 93.98 Lapilli tuff as above cut by 2% chalcedony veining up to 6 centimetre thick

93.98 95.27 As above cut by 1% chalcedony veining up to 3 millimetre thick minor fault with gouge at 95.00

95.27 95.65 As above cut by 10% chalcedony veining up to 3 centimetre thick varying from gray to creamy white to honey brown in colour

95.65 96.19 Lapilli tuff as above cut by 4% irregular chalcedony veining, hematitized gouge fault breccia zone from 95.82 to 96.00

96.19 97.08 As above cut by 15% chalcedony veins up to 4 centimetre

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

thick, sub parallel and parallel and at 90 degrees to core axis, chalcedony veining associated with hematite and rock flower fault breccia 15% veining

97.08 97.91 Lapilli tuff weakly oxidized cut by 10% chalcedony veining up to 3 centimetre thick, veins at 90 degrees to core axis and parallel, veins locally brecciated

97.91 98.80 As above cut by anastomosing swarm of chalcedony veins up to 2 centimetre thick, 20% veining, in places almost vein breccia, lithic clasts are clay altered moderate to intermediate clay alteration

98.80 99.24 As above cut by irregular chalcedony veins up to 3 centimetre thick, 10% veining

99.24 99.76 As above cut by irregular veinlets of chalcedony up to 1 centimetre thick, 5% veining

99.76 100.12 As above cut by 25% chalcedony veining up to 3 centimetre thick, irregular swarm-like

100.12 101.08 Lapilli tuff cut by 4% chalcedony veining up to 1.5 centimetre thick, weakly oxidized Comment - in the last 4 intervals, the rock appears to be weakly to moderate tectonized, elongated and aligned fragments

101.08 102.29 Weakly oxidized lapilli tuff cut by calcite veins up to 2 centimetre thick, sub parallel to irregular form,

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		6% calcite veining, local chalcedony clasts with in this tectonized rock that is starting to look like a fault breccia, fault breccia streaky foliation is at 60 degrees to core axis										
102.29	103.38	FAULT										
		Fault breccia with gouge and rock flour matrix, weakly hematitic, minor chalcedonic vein material clasts, matrix supported breccia	102.29	103.38	1.09	FX 413591	0.043	0.100	53.0	16.	14.	-
103.38	104.50	LAPILLI TUFF										
		Typical lapilli tuff with clasts up to 4 centimetre, in weakly hematitic matrix, cut by 2% calcite veins up to 4 millimetre thick, coherent	103.38	104.50	1.12	FX 413592	0.014	0.200	41.0	27.	16.	-
104.50	104.97	FAULT										
		Fault breccia with clasts supported breccia, matrix of gouge and rock flour, fault foliation at about 60 degrees to core axis	104.50	104.97	0.47	FX 413593	0.046	0.100	39.0	22.	14.	-
104.97	105.46	LAPILLI TUFF										
		Typical lapilli tuff cut by 1% calcite veining, minor chalcedonic vein material clasts .Comment this tuff must have been eroding chalcedony mineralized ground	104.97	105.46	0.49	FX 413594	0.017	0.100	39.0	22.	18.	-
105.46	105.84	FAULT										
		Typical fault breccia, matrix supported, clasts aligned at 80 degrees to core axis	105.46	105.84	0.38	FX 413595	0.022	0.100	52.0	68.	23.	-
105.84	110.72	LAPILLI TUFF										
		Typical lapilli tuff cut by 1%	105.84	106.61	0.77	FX 413596	0.032	0.300	40.0	16.	17.	-

** INCO **

DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	AU	AG	AS	BA	MO	%MIN
m	m		m	m	m		PPM	PPM	PPM	PPM	PPM	
		chalcedony veining, intensely oxidized	106.61	107.59	0.98	FX 413597	0.016	0.100	23.0	17.	9.	-
		along fractures in lower half of	107.59	108.50	0.91	FX 413598	0.013	0.200	30.0	25.	9.	-
		interval	108.50	109.40	0.90	FX 413599	0.010	0.100	26.0	30.	8.	-
		106.61 107.59 Lapilli tuff as above cut by	109.40	110.26	0.86	FX 413600	0.017	0.200	29.0	29.	11.	-
		12% irregular chalcedony stockwork up	110.26	110.72	0.46	FX 413601	0.019	0.100	40.0	15.	12.	-
		to 1 centimetre thick										
		107.59 108.50 As above cut by 14%										
		chalcedony veining										
		108.50 109.40 As above cut by 10%										
		chalcedony vein stockwork up to 1.5										
		centimetre thick, angles to core axis										
		around 70 degrees										
		109.40 110.26 As above cut by 15%										
		chalcedony vein stockwork up to 3										
		centimetre thick, irregular attitudes										
		but 70 degrees to core axis common										
		110.26 110.72 As above cut by 8%										
		chalcedony veining up to 1 centimetre										
		thick, 70 degrees to 90 degrees to core										
		axis and also parallel to core axis,										
		abundant broken core										
110.72	111.18	BRECCIA										
		Limonite rock flour matrix	110.72	111.18	0.46	FX 413602	0.100	0.100	69.0	118.	38.	-
		breccia with clasts of chalcedonic vein										
		material up to 5 centimetre across,										
		clast supported breccia vein material										
		10%										
111.18	120.35	FAULT										
		This is the beginning of a	111.18	111.56	0.38	FX 413603	0.027	0.200	62.0	49.	16.	-
		fault zone with abundant clay	111.56	113.13	1.57	FX 413604	0.054	0.200	87.0	23.	32.	-
		alteration and variably altered rock,	113.13	114.05	0.92	FX 413605	0.040	0.100	59.0	40.	45.	-
		some zones of movement and other	114.05	115.31	1.26	FX 413626	0.015	0.200	110.0	50.	26.	-
		intervals demonstrate no movement but	115.31	116.76	1.45	FX 413627	0.003	0.300	62.0	42.	8.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		overall there is a sense of extreme argillic alteration	116.76	118.26	1.50	FX 413628	0.010	0.200	72.0	29.	14.	-
			118.26	120.35	2.09	FX 413629	0.027	0.300	50.0	31.	16.	-
		111.18 111.56 Fault breccia with black chloritic fragments, with black chloritic fragments in matrix that is limonite rich, 2% veining material clasts										
		111.56 113.13 Yellow brown completely clay altered, all broken core and original textures not recognizable for the most part										
		113.13 114.05 Fault breccia with rock flour and gouge matrix and variable lithology of clasts, orange brown limonite and brick red hematite locally along fractures, no veining										
		114.05 115.31 Fault breccia with limonite gouge and rock flour matrix, abundant broken core, local hematite enrichment at 114.60 metres, no veining										
		115.31 116.76 Green gray calcareous sandstone ? is highly fractured with shear lenss cut by conjugate fractures, no veining										
		116.76 118.26 Black to dark gray highly fractured sandy argillite, local friable shear fractures common, gouge common at lower contact shear foliation at lower contact angle of 60 degrees to core axis										
		118.26 120.35 Buff to creamy gray clay altered rock total to complete clay alteration, maybe felsic volcanic ? cut										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		by less than 1% chalcedony veining										
120.35	124.39	SEDIMENT										
		Black variably fractured	120.35	122.53	2.18	FX 413630	0.028	0.200	63.0	32.	45.	-
		shear argillite, calcareous sandstone	122.53	124.39	1.86	FX 413631	0.012	0.100	68.0	17.	9.	-
		and limestone										
		120.35 122.53 As above, with shear										
		argillite in upper half and calcareous										
		sandstone in lower half, and										
		interbedded sequence, highly brecciated										
		at lower contact highly fractured minor										
		patchy disseminated pyrite associated										
		with cherty argillite locally										
		122.53 124.39 Calcareous sandstone										
		interbedded with cherty argillite										
124.39	126.20	FAULT										
		Total to complete clay	124.39	126.20	1.81	FX 413632	0.008	0.300	63.0	32.	18.	-
		alteration of black sediments as above,										
		completely friable some disseminated										
		pyrite, throughgoing foliation, rocks										
		are extremely fractured and highly clay										
		altered										
126.20	127.30	LIMESTONE										
		Dark gray to black weakly	126.20	127.30	1.10	FX 413633	0.003	0.200	35.0	19.	25.	-
		fractured and cut by calcite veins up										
		to 1 centimetre thick, cut by zone of										
		gouge in middle of interval, 4% calcite										
		veining, this interval is a relatively										
		coherent shear lens, some interbedded										
		carbonaceous shale										
127.30	135.72	FAULT										
		This is a zone with total to	127.30	128.51	1.21	FX 413634	0.006	0.100	54.0	18.	4.	-
		complete clay alteration rock is	128.51	129.72	1.21	FX 413635	0.004	0.200	42.0	17.	5.	-
		extremely friable, and the more	129.72	131.72	2.00	FX 413636	0.031	0.200	69.0	16.	12.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		competant shear lens show a high degree	131.72	133.72	2.00	FX 413637	0.012	0.200	58.0	50.	7.	-
		of fracturing	133.72	135.72	2.00	FX 413638	0.012	0.200	70.0	22.	8.	-
		127.30 128.51 Green gray clay rich rock, extremely friable difficult to identify, may be interbedded argillite										
		128.51 129.72 As above, green gray rock interbedded with black clay, with minor pyrite in black clay										
		129.72 131.72 Black rock is variably clay altered, intermediate to complete, friable and fractured, cut by white quartz vein that is highly fractured and 2 centimetre thick or into brown limonite is common along fractures there is shear foliation and evidence of fault movement										
		131.72 133.72 All broken core, local fault breccia, and rock is intensely fractured, breccia matrix is gouge and rock flour material, primary rock probably a sandy argillite and some interbedded felsic tuff										
		133.72 135.72 As above, with sandy argillite, and intercalated cherty argillite, moderate limonite along fractures .Comment, chips of this rock look like typical oxidized talus chips of pyritic black shales										
135.72	143.23	SEDIMENT										
		Black carbonaceous sandstone	135.72	137.17	1.45	FX 413639	0.017	0.100	61.0	30.	6.	-
		and sandy sandstone and minor	137.17	138.43	1.26	FX 413640	0.014	0.100	59.0	23.	6.	-
		argillite, are all highly fractured	138.43	138.98	0.55	FX 413641	0.014	0.200	66.0	31.	7.	-
		with bedding approximately parallel to	138.98	140.24	1.26	FX 413642	0.028	0.100	75.0	28.	16.	-

** INCO **

DRILL LOG

FROM m | TO m | DESCRIPTION

core axis
135.72 137.17 Variably fractured sandy carbonaceous sandstone as above, locally strong limonite alteration along fractures
137.17 138.43 As above
138.43 138.98 As above, with moderate limonite alteration along bedding plane cleavage
138.98 140.24 As above but cut by quartz and chalcedonic quartz stockwork with veins up to 1.5 centimetre thick, commonly parallel to core axis, and along bedding plane cleavage, local minor vein brecciation, and conspicuous severe leaching with consequent vugs, green fluorite locally, 12% veining
140.24 141.28 As above cut by similar leached quartz fluorite veins up to 2 centimetre thick and parallel to core axis along bedding plane cleavage, 9% veining host rock is carbonaceous sandy sandstone Check assays for relationship of carbonaceous and pyrite rock to gold, remembering in mind possible sulphidation and gold precipitating as at Pueblo Viejo
141.28 141.91 Sandstone as above cut by chalcedonic quartz vein swarm, bedding plane parallel to core axis, vuggy, intensely leached, 8% veining
141.91 143.23 Sandy sandstone as above, cut by 1% chalcedonic quartz veins,

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
140.24	141.28	1.04	FX 413643	0.010	0.200	40.0	21.	9.	-
141.28	141.91	0.63	FX 413644	0.016	0.100	38.0	45.	9.	-
141.91	143.23	1.32	FX 413645	0.015	0.100	71.0	16.	17.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		lower half of interval is interbedded										
		with felsic tuff ?										
143.23	147.77	FAULT										
		143.23 145.78 Completely clay pale creamy	143.23	145.78	2.55	FX 413646	0.020	0.300	287.0	17.	12.	-
		gray rock, totally friable,	145.78	147.77	1.99	FX 413647	0.028	0.300	141.0	17.	13.	-
		disseminated pyrite 1% common,										
		carbonaceous near lower contact										
		145.78 147.77 Rock is pale creamy green,										
		with 1% pyrite concentrated along										
		fractures total to completely clay										
		alteration, intensely friable,										
		metamorphic fabric suggestive of calc										
		silicate skarn, no veining										
147.77	150.00	GRANODIORITE										
		Completely friable medium to coarse	147.77	148.13	0.36	FX 413648	0.016	0.100	33.0	22.	145.	-
		grained equigranular granodiorite	148.13	149.43	1.30	FX 413649	0.019	0.100	57.0	27.	54.	-
		intermediate clay alteration, cut by no	149.43	150.00	0.57	FX 413650	0.009	0.200	61.0	95.	23.	-
		veining										
		148.13 149.43 Granodiorite as above,										
		locally coherent but local intermediate										
		to total clay alteration friable for										
		the most part, no veining as above In										
		upper parts of this zone, calc silicate										
		skarn is highly clay altered and										
		fractured with local limonite										
		alteration										
		149.43 150.00 Porphyritic chill margin of										
		the granodiorite, with more than 1%										
		disseminated pyrite, friable for the										
		most part with intense clay alteration										
150.00	152.46	CALC SILICATE SKARN										
		Calc silicate skarn is	150.00	151.17	1.17	FX 413651	0.006	0.100	16.0	17.	12.	-
		highly clay altered and fractured with	151.17	152.46	1.29	FX 413652	0.002	0.100	51.0	13.	15.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		local limonite alteration as above 150.00 151.17 Calc silicate skarn with some interbedded marble brecciated and much fault breccia in lower half of interval, and still within the fault zone, weakly limonitic in lower part 151.17 152.46 Still within fault zone, intensely brecciated, with local coherent shear lens 10 to several tens of centimetres, weakly limonitic										
152.46	155.51	MARBLE										
		Creamy buff to pale green	152.46	154.22	1.76	FX 413653	0.006	0.300	20.0	11.	3.	-
		gray marble with fabric at 35 degrees	154.22	155.51	1.29	FX 413654	0.009	0.100	14.0	13.	2.	-
		to core axis and minor intercalated calc silicate skarn 152.46 154.22 As above cut by less than 1% veining, coherent with local limonitic staining 154.22 155.51 As above, with intercalated calc silicate skarn, metamorphic fabric at 45 degrees to core axis										
155.51	160.32	GRANODIORITE										
		Medium grained with mafic	155.51	156.70	1.19	FX 413655	0.011	0.300	23.0	43.	7.	-
		altered chlorite, and cut by several	156.70	157.85	1.15	FX 413656	0.007	0.100	10.0	64.	1.	-
		gouge and fault breccia zones	157.85	159.20	1.35	FX 413657	0.010	0.100	14.0	39.	1.	-
		155.51 156.70 Massive medium grained	159.20	160.32	1.12	FX 413658	0.007	0.100	12.0	72.	1.	-
		granodiorite with probably contact breccia with limonite along fractures 156.70 157.85 As above, with no inclusions just granodiorite, cut by fault breccia with gouge and rock flower matrix at 157.27, broken core common Granodiorite as above medium grained										

FROM m | TO m | DESCRIPTION

friable mafic grains about 35%, to complete total clay alteration

159.20 160.32 As above, more coherent in upper half of interval, but lower half is more felsic and totally clay altered

160.32 161.16 CALC SILICATE SKARN

Calcareous calc silicate skarn with abundant chlorite in lower two thirds of the interval, where as top part of interval is buff silicified lensy fragments in calcareous chlorite matrix, 2% disseminated pyrite

161.16 174.54 QUARTZ MONZONITE

Medium to coarse grained equigranular to weakly porphyritic quartz monzonite with pale green sericite alteration with feldspars common, cut by weak hairline veinlet stockwork with chlorite calcite and quartz

161.16 163.16 Contact zone of quartz monzonite with minor brecciation near upper contact, limonite along fractures, altered to a creamy buff colour, minor oxidization, weakly porphyritic, cut by 5 millimetre to 1 centimetre thick quartz calcite chlorite vein parallel to core axis, 8% veining

163.16 165.16 Pale white creamy green equigranular to crowded porphyritic, massive, chlorite altered biotite phenocrysts, feldspars grain commonly

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
160.32	161.16	0.84	FX 413659	0.042	0.100	58.0	37.	49.	-
161.16	163.16	2.00	FX 413660	0.019	0.200	22.0	31.	13.	-
163.16	165.16	2.00	FX 413661	0.047	0.300	55.0	20.	16.	-
165.16	167.18	2.02	FX 413662	0.019	0.100	14.0	21.	18.	-
167.18	168.68	1.50	FX 413663	0.018	0.100	4.0	23.	22.	-
168.68	169.40	0.72	FX 413664	0.017	0.100	7.0	15.	12.	-
169.40	171.37	1.97	FX 413665	0.018	0.100	15.0	15.	7.	-
171.37	173.40	2.03	FX 413666	0.029	0.300	7.0	27.	13.	-
173.40	174.54	1.14	FX 413667	0.072	0.800	131.0	43.	5.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		sericitized, less than 1% disseminated pyrite										
		165.16 167.18 As above, cut by weak quartz calcite stockwork up to 1.5 centimetre thick, chlorite along hairline fractures, 2% veining										
		167.18 168.68 As above, becoming more conspicuously porphyritic, feldspar porphyritic, sericite alteration of k feldspar common, looks like an early potassic alteration overprinted by phyllic alteration, 1% veining										
		168.68 169.40 As above cut by moderate stockwork of quartz calcite veins up to 6 millimetre thick, 10% veining										
		169.40 171.37 Quartz monzonite porphyry as above, phyllic alteration cut by weak to moderate quartz calcite stockwork with minor chlorite and pyrite, up to 5 millimetre thick, 3% veining										
		171.37 173.40 As above with weak stockwork, 2% veining										
		173.40 174.54 This is the last interval of quartz monzonite porphyry, some mottled limonitic alteration along fractures, 1% quartz veining, very faint textural change at lower contact										
174.54	179.43	CALC SILICATE SKARN										
		Typical garnet diopside	174.54	175.23	0.69	FX 413668	0.046	0.300	323.0	30.	15.	-
		actinolite calc silicate skarn	175.23	175.56	0.33	FX 413669	0.276	0.400	87.0	113.	203.	-
		174.54 175.23 As above, with a calc	175.56	177.34	1.78	FX 413670	0.020	0.100	17.0	22.	5.	-
		silicate skarn metamorphic front	177.34	177.81	0.47	FX 413671	0.053	1.400	33.0	21.	18.	-
		starting from the upper contact in a	177.81	178.73	0.92	FX 413672	0.016	0.700	46.0	25.	20.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		sequence of quartz monzonite porphyry to chlorite up to garnet to actinolite to diopside, cut by quartz calcite chlorite pyrite vein 5 centimetre thick, with angle to core axis of 45 degrees, 7% veining, upper contact with porphyry is at 30 degrees to core axis	178.73	179.43	0.70	FX 413673	0.003	0.100	8.0	35.	67.	-
		175.23 175.56 Diopside calc silicate skarn cut by chalcedonic quartz vein up to 1.5 centimetre thick with angle to core axis of 30 degrees, 10% veining, chalcedonic quartz is colourless to pale gray to white, with local hairline concordant banding										
		175.56 177.34 Garnet diopside actinolite calcite skarn cut by weak quartz calcite stockwork, with local hairline chalcedonic quartz vein, 2% veining										
		177.34 177.81 As above cut by quartz calcite pyrite chlorite veining up to 2 centimetre thick, 12% veining, moderate stockwork										
		177.81 178.73 As above, biotite alteration common, cut by quartz calcite veining up to 5 centimetre thick with angle to core axis of 80 degrees, 10% veining										
		178.73 179.43 As above cut by moderate quartz calcite stockwork up to 1 centimetre thick, some colourless to pale gray chalcedonic ? quartz, 12% veining										
179.43	179.68	QUARTZ MONZONITE										
		Quartz monzonite porphyry	179.43	179.68	0.25	FX 413674	0.002	0.100	5.0	57.	82.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		with 2 to 4 millimetre size feldspar										
		grains, very little sericite										
		alteration, maybe potassic alteration										
		facies										
179.68	232.83	CALC SILICATE SKARN										
		Typical garnet diopside	179.68	180.10	0.42	FX 413675	0.010	0.200	8.0	13.	224.	-
		actinolite calc silicate skarn	180.10	182.10	2.00	FX 413676	0.005	0.300	16.0	31.	68.	-
		179.68 180.10 Calc silicate skarn cut by 3	182.10	184.10	2.00	FX 413677	0.002	0.100	4.0	15.	137.	-
		centimetre thick quartz calcite vein	184.10	186.10	2.00	FX 413678	0.003	0.100	4.0	10.	238.	-
		with angle to core axis of 40 degrees	186.10	188.07	1.97	FX 413679	0.005	0.100	7.0	54.	53.	-
		clasts in vein are chlorite altered	188.07	189.98	1.91	FX 413680	0.005	0.100	3.0	17.	21.	-
		upper contact calc silicate skarn is	189.98	190.14	0.16	FX 413681	0.002	0.100	7.0	7.	69.	-
		diopside grading into garnet, upper	190.14	192.40	2.26	FX 413682	0.004	0.100	7.0	9.	29.	-
		contact angle to core axis of 45	192.40	194.40	2.00	FX 413683	0.006	0.400	10.0	15.	6.	-
		degrees, 10% veining	194.40	196.37	1.97	FX 413684	0.005	0.100	11.0	11.	18.	-
		180.10 182.10 Typical calc silicate skarn	196.37	198.19	1.82	FX 413685	0.005	0.100	2.0	10.	20.	-
		with biotite alteration in upper half	198.19	199.08	0.89	FX 413686	0.005	0.100	2.0	12.	41.	-
		of interval, grading into diopside	199.08	200.25	1.17	FX 413687	0.004	0.400	13.0	7.	48.	-
		calcite garnet in lower half of	200.25	201.42	1.17	FX 413688	0.023	0.100	8.0	6.	54.	-
		interval, it looks as if the biotite	201.42	202.59	1.17	FX 413689	0.005	0.500	9.0	5.	83.	-
		alteration is replaced by garnet	202.59	204.08	1.49	FX 413690	0.057	0.100	12.0	8.	87.	-
		diopside	204.08	206.08	2.00	FX 413691	0.003	0.100	2.0	6.	124.	-
		182.10 184.10 Diopside calcite garnet	206.08	207.50	1.42	FX 413692	0.004	0.100	4.0	20.	561.	-
		actinolite skarn with metamorphic	207.50	208.83	1.33	FX 413693	0.011	0.500	18.0	39.	198.	-
		fabric sub parallel to 30 degrees to	208.83	209.64	0.81	FX 413694	0.009	0.400	30.0	24.	39.	-
		core axis, cut by quartz calcite	209.64	211.15	1.51	FX 413695	0.006	0.400	30.0	38.	14.	-
		veining (mainly calcite) up to 3	211.15	213.15	2.00	FX 413696	0.004	0.200	6.0	11.	74.	-
		centimetre thick angle to core axis of	213.15	215.19	2.04	FX 413697	0.009	0.100	15.0	6.	32.	-
		30 degrees, 3% veining	215.19	216.29	1.10	FX 413732	0.001	0.100	10.0	15.	45.	-
		184.10 186.10 As above, with garnet	216.29	218.24	1.95	FX 413733	0.003	0.100	3.0	13.	69.	-
		porphyroblasts throughout, weakly	218.24	220.24	2.00	FX 413734	0.006	0.200	13.0	6.	30.	-
		fractured with weak limonite along	220.24	222.25	2.01	FX 413735	0.005	0.200	3.0	5.	70.	-
		fractures at lower contact, cut by 2%	222.25	224.25	2.00	FX 413736	0.004	0.200	3.0	9.	34.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION

veining
186.10 188.07 Pale creamy diopside rich calc silicate skarn with garnet porphyro- blasts, cut by less than 1% calcite veining, oxidized with broken core for 20 centimetre at upper contact
188.07 189.98 Diopside calcite garnet calc silicate skarn as above, cut by 2% calcite veining up to 5 millimetre thick
189.98 190.14 As above cut by 5 centimetre calcite vein with angle to core axis of 60 degrees, 30% veining, garnet wall rock alteration developed in calc silicate skarn
190.14 192.40 Calc silicate skarn as above diopside garnet calcite rich with intercalated gray crystalline marble metamorphic fabric with angle to core axis of 10 degrees, 2% veining
192.40 194.40 As above homogeneous diopside calcite calc silicate skarn with garnet porphyro- blasts, cut by 2 centimetre thick calcite vein with angle to core axis of 45 degrees, 1% veining as above, 1% calcite veining, metamorphic fabric at 35 degrees to core axis
196.37 198.19 As above, cut by 3 centimetre thick calcite vein at upper contact, angle to core axis 80 degrees .Comment, this diopside rich rock is tenacious

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
224.25	226.25	2.00	FX 413737	0.009	0.200	65.0	22.	105.	-
226.25	228.15	1.90	FX 413738	0.022	0.400	3.0	9.	37.	-
228.15	229.98	1.83	FX 413739	0.004	0.100	2.0	17.	136.	-
229.98	232.00	2.02	FX 413740	0.016	0.400	5.0	16.	56.	-
232.00	232.83	0.83	FX 413741	0.007	0.200	5.0	17.	76.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

198.19 199.08 Diopside garnet calcite calc silicate skarn as above

199.08 200.25 This entry has been affected by a core box spill between 199.08 and 202.59 metres, The samples are calc silicate skarn as above mixed up in 3 bags, each with a different FX number. For processing purposes the interval has been split into 3 equal intervals to correspond to the bags but the correspondance is not real. The first interval is 199.08 to 200.25 and the next two follow.

200.25 201.42 As above

201.42 202.59 Diopside garnet calcite calc silicate skarn as above with metamorphic fabric parallel to core axis, and cut by calcite veins up to 6 centimetre thick

202.59 204.08 This interval is unaffected by disturbance and is as above cut by calcite veining up to 1 centimetre thick, less than 2% veining

204.08 206.08 As above with minor garnet and major diopside calcite, cut by 1% calcite veining

206.08 207.50 Calc silicate skarn as above, pale green diopside calcite garnet, cut by 2% calcite veining up to 1 centimetre thick

207.50 208.83 As above but brown purple gray colour due to biotitization mottled, weak to moderate stockwork

** INCO **
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

with hairline chlorite pyrite quartz common, 1% veining
208.83 209.64 Diopside skarn cut by calcite pyrite veinlets up to 5 millimetre thick, 1% veining
209.64 211.15 Biotitized calc silicate skarn, local epidote patchs, pyrite and chlorite along fractures cut by calcite veinlet, 2% veining
211.15 213.15 As above but less biotite, pale green colour diopside calcite calc silicate skarn with minor lens of marble, 1% veining, metamorphic fabric parallel to core axis
213.15 215.19 As above garnet diopside calc silicate skarn with intercalated crystalline marble angle to core axis of 10 degrees
215.19 216.29 Calc silicate skarn cut by quartz carbonate veins 6 centimetre thick, 8 centimetre thick, 1.5 centimetre thick, 15% veining, angles to core axis of 70 degrees
216.29 218.24 Pale green diopside rich garnet calc silicate skarn with metamorphic foliation parallel to 5 degrees from core axis, cut by 1% quartz calcite veining
218.24 220.24 As above, with 1 centimetre thick quartz carbonate veins parallel to core axis for half a meter length, 4% veining
220.24 222.25 As above, with garnet patchs

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		up to 4 centimetre size, 1% veining 222.25 224.25 Calc silicate skarn as above, garnet diopside actinolite, cut by quartz carbonate veins up to 2 centimetre thick with angle to core axis of 45 degrees, 2% veining 224.25 226.25 As above, with quartz carbonate veins 1 centimetre thick at 5 degrees to core axis, 4% veining 226.25 228.15 As above, cut by 2% quartz calcite veining up to 1 centimetre thick 228.15 229.98 As above, with streaky garnet patchs up to 15 centimetre long metamorphic fabric parallel core axis cut by 2% quartz calcite veining 229.98 232.00 As above cut by quartz calcite veining up to 2 centimetre thick angle to core axis of 30 degrees minor chlorite hairline stockwork cut by 2% veining 232.00 232.83 As above cut by 1.5 quartz calcite vein with angle to core axis of 5 degrees, 10% veining											
232.83	239.56	FAULT										
		This is a zone with total to	232.83	234.68	1.85	FX 413742	0.004	0.100	14.0	3.	15.	-
		complete clay alteration, different	234.68	236.52	1.84	FX 413743	0.011	0.100	57.0	7.	34.	-
		rock types have different colours of	236.52	237.83	1.31	FX 413744	0.006	0.100	26.0	5.	18.	-
		clay alteration and variable amounts of limonite 232.83 234.68 Calc silicate skarn is friable and completely altered to clay mineral, not much evidence of movement,	237.83	239.56	1.73	FX 413745	0.008	0.100	11.0	5.	37.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION
		but maybe an advanced clay altered crushed breccia, less than 1% pyrite
		234.68 236.52 Oxidized limonitic completely clay altered rock little evidence of movement, some limonite cemented breccia near upper contact
		236.52 237.83 As above but less limonitic, totally friable completely clay altered
		237.83 239.56 As above with coherent shear lens in the order of 30 to 40 centimetre separated by zones of complete clay alteration and crushed breccia, calc silicate skarn is primary rock type, that is part of this fault zone
239.56	262.66	CALC SILICATE SKARN
		239.56 241.11 Weakly bleached with minor zones of clay alteration pale green diopside garnet calc silicate skarn with metamorphic fabric parallel to core axis, cut by 1% quartz calcite veining up to 1 centimetre thick
		241.11 242.62 As above but a bit darker green, some chloritic alteration along fractures, cut by 1% calcite veining
		242.62 244.05 As above with apparently intercalated pale diopside-rich garnet calcite skarn and also a dark green presumably pyroxene -rich ie hard .Comment - rock unit contact of dark green and pale green is parallel to core axis to 5 degrees of core axis, 2% veining

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
239.56	241.11	1.55	FX 413746	0.005	0.100	21.0	9.	19.	-
241.11	242.62	1.51	FX 413747	0.005	0.200	7.0	15.	10.	-
242.62	244.05	1.43	FX 413748	0.010	0.300	28.0	15.	128.	-
244.05	246.05	2.00	FX 413749	0.029	0.100	39.0	8.	154.	-
246.05	248.05	2.00	FX 413750	0.009	0.200	3.0	4.	109.	-
248.05	249.74	1.69	FX 413751	0.005	0.100	4.0	14.	94.	-
249.74	251.76	2.02	FX 413752	0.007	0.200	3.0	14.	74.	-
251.76	253.71	1.95	FX 413753	0.005	0.100	5.0	23.	41.	-
253.71	255.55	1.84	FX 413754	0.007	0.100	15.0	18.	4.	-
255.55	257.55	2.00	FX 413755	0.004	0.200	7.0	8.	2.	-
257.55	259.53	1.98	FX 413756	0.005	0.100	3.0	7.	15.	-
259.53	261.25	1.72	FX 413757	0.025	0.100	21.0	24.	67.	-
261.25	262.66	1.41	FX 413606	0.010	0.100	36.0	37.	7.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN

244.05 246.05 Calc silicate skarn with diopside garnet calcite and actinolite margins, cut by 2% calcite veining
246.05 248.05 As above, with gray calcite common, locally almost marble
248.05 249.74 As above cut by calcite veins up to 2 centimetre thick, 3% veining
249.74 251.76 Calc silicate skarn as above, garnet diopside actinolite calcite cut by quartz calcite veins up to 1.5 centimetre thick angle to core axis of 70 degrees, 2% veining
251.76 253.71 Calcareous calc silicate skarn as above
253.71 255.55 Calcareous calc silicate skarn as above
255.55 257.55 Intercalated marble and calc silicate skarn parallel to 5 degrees to core axis, cut by 2% calcite veining
257.55 259.53 As above with, less marble
259.53 261.25 As above cut by weak to moderate stockwork of quartz calcite veins up to 1 centimetre thick with gouge and brecciation from 260.91 to lower contact accompanied by bleaching, 2% veining
Pale mottled green and brown and cut by weak to moderate chalcedony vein stockwork up to 4 millimetre across, limonite common along fracture partings, 2% veining

262.66 263.03 QUARTZ VEIN

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		Chalcedonic black pale gray and colourless quartz, with angle of 20 degrees to core axis at upper contact, leached out vugs are common, minor fluorite, minor calcite late central patches, lower contact is silicified calc silicate skarn, 50% veining	262.66	263.03	0.37	FX 413607	0.375	0.200	222.0	19.	61.	-
263.03	265.13	CALC SILICATE SKARN										
		263.03 264.16 Calc silicate skarn bleached and mottled pale green to pale brown, local clay alteration along some fractures, cut by 1 centimetre quartz pyrite calcite veins, 3% veining	263.03	264.16	1.13	FX 413608	0.006	0.100	34.0	17.	157.	-
		264.16 264.59 As above cut by quartz calcite stockwork moderate to intermediate, and further cut by a 4 centimetre thick chalcedonic quartz vein with banding and vein breccia, angle to core axis of 30 degrees, 30% veining	264.16	264.59	0.43	FX 413609	0.048	0.100	21.0	18.	95.	-
		264.59 265.13 Calc silicate skarn as above, cut by quartz stockwork and calcite stockwork each up to 1 centimetre thick, 15% veining	264.59	265.13	0.54	FX 413610	0.001	0.100	5.0	18.	17.	-
265.13	265.32	QUARTZ VEIN										
		5 centimetre thick quartz calcite pyrite vein cuts calc silicate skarn at angle of 85 degrees to core axis, ribbon-type banding, 25% veining	265.13	265.32	0.19	FX 413611	0.009	0.200	67.0	8.	14.	-
265.32	265.65	CALC SILICATE SKARN										
		265.32 265.65 Calc silicate skarn with foliation angle to core axis of 25 degrees, pale green with limonite along	265.32	265.65	0.33	FX 413612	0.018	0.300	44.0	17.	13.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		fractures, cut by calcite weak stockwork up to 2 millimetre thick, 4% veining										
265.65	266.66	FAULT										
		Abundant broken core of calc silicate skarn and fault breccia with rock flour and gouge matrix, moderately oxidized and moderately limonitized	265.65	266.66	1.01	FX 413613	0.024	0.100	27.0	18.	14.	-
266.66	268.19	CALC SILICATE SKARN										
		266.66 267.00 Calc silicate skarn, coherent and cut by dark gray chalcedonic quartz vein up to 3 centimetre thick with angle to core axis of 30 degrees, 7% veining	266.66	267.00	0.34	FX 413614	0.118	0.100	96.0	87.	20.	-
			267.00	267.71	0.71	FX 413615	0.081	0.100	102.0	41.	22.	-
			267.71	267.93	0.22	FX 413616	0.068	0.200	67.0	31.	173.	-
			267.93	268.19	0.26	FX 413617	0.014	0.200	82.0	18.	9.	-
		267.00 267.71 Calc silicate skarn, intensely silicified, and cut by gray to dark gray to honey brown chalcedony veinlets up to 1 centimetre thick, locally limonitic along fractures fine grained disseminated patchy pyrite associated with chalcedony vein material, 10% veining										
		267.71 267.93 Moderately to intensely silicified calc silicate skarn cut by dark gray 3 centimetre thick quartz vein with banding, angle to core axis of 30 degrees, minor pyrite associated with black quartz, 25% veining										
		267.93 268.19 Calc silicate skarn with weak to moderate clay alteration cut by less than 1% chalcedony veining, bleached buff creamy white										
268.19	270.75	QUARTZ VEIN										

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		This is a composite quartz vein with mainly black to dark gray chalcedonic quartz locally grading to white quartz forming a brecciated upper contact, a banded lower contact and a central zone consisting of massive black and white quartz flanked by pebble breccias	268.19	268.83	0.64	FX 413618	0.010	0.300	11.0	10.	150.	-
			268.83	269.70	0.87	FX 413619	0.025	0.100	25.0	18.	104.	-
			269.70	270.12	0.42	FX 413620	0.054	0.100	23.0	8.	79.	-
			270.12	270.40	0.28	FX 413621	0.023	0.100	9.0	5.	47.	-
			270.40	270.56	0.16	FX 413622	0.035	0.100	13.0	7.	114.	-
			270.56	270.75	0.19	FX 413623	0.081	0.300	50.0	6.	118.	-

268.19 268.83 Upper part of vein moderately clay altered calc silicate skarn clasts in roof zone of vein, which has angle of 30 degrees to core axis, both lithic and vein material in clasts, 80% vein material

268.83 269.70 Massive dark gray to black chalcedonic quartz with lithic and vein material clasts common, clasts are either silicified or weakly to moderately clay altered, 85% veining

269.70 270.12 Pebble vein breccia with rounded lithic and vein material clasts, locally thin concentric chalcedonic rinds on clasts, minor several millimetre clumps of fine grained pyrite, fragments ahave been milled, matrix supported, 90% vein material

270.12 270.40 Massive white quartz carbonate vein with gray banded border, angle to core axis is 60 degrees, 90% veining

270.40 270.56 Pebble vein breccia as at 269.70 metres, 90% vein material

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION

270.56 270.75 Crudely banded vein breccia, 35 degrees to core axis, some pyritized clasts next to lower contact, 80% vein material

270.75 279.43 CALC SILICATE SKARN

270.75 271.03 Bleached weakly clay altered footwall calc silicate skarn cut by quartz carbonate veins up to 2 centimetres thick with angle to core axis of 50 degrees, 10% veining

271.03 271.88 Typical garnet diopside calc silicate skarn cut by 2% quartz veins up to 6 millimetres thick, less than 2% veining, 10 centimetre gouge and fault breccia at lower contact

271.88 273.42 Garnet diopside actinolite, garnet rich, cut by 1% calcite chlorite veining

273.42 274.03 As above cut by 40% quartz calcite pyrite veining ranging from medium gray quartz to colourless to white quartz, white calcite, vein has stoped wall rock clasts, angle to core axis is 30 degrees vein thickness up to 11 centimetre, chlorite alteration of clasts in vein breccia common .Comment - this is probably an epithermal related vein

274.03 275.35 As above cut by 2% quartz calcite veining up to 1 centimetre thick

275.35 276.70 As above cut by several quartz calcite pyrite rare hematite

FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
270.75	271.03	0.28	FX 413624	0.007	0.100	30.0	14.	21.	-
271.03	271.88	0.85	FX 413625	0.059	1.500	35.0	10.	81.	-
271.88	273.42	1.54	FX 413758	0.044	0.400	3.0	3.	104.	-
273.42	274.03	0.61	FX 413759	0.114	0.500	28.0	6.	146.	-
274.03	275.35	1.32	FX 413760	0.020	0.300	5.0	5.	96.	-
275.35	276.70	1.35	FX 413761	0.039	0.300	28.0	9.	136.	-
276.70	277.62	0.92	FX 413762	0.009	0.200	7.0	14.	198.	-
277.62	278.34	0.72	FX 413763	0.005	0.200	6.0	11.	267.	-
278.34	278.70	0.36	FX 413764	0.014	0.200	21.0	20.	184.	-
278.70	279.43	0.73	FX 413765	0.007	0.200	7.0	24.	100.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		veins up to 2 centimetre thick with angles to core axis of 10 degrees, 45 degrees and conjugate 150 degrees, 12% veining										
		276.70 277.62 As above with weak to moderate quartz calcite stockwork up to 1 centimetre thick, 10% veining										
		277.62 278.34 As above cut by quartz calcite veining in the order of 2%										
		278.34 278.70 As above cut by with stockwork of quartz calcite veining, quartz varying from gray to colourless, epithermal looking, one vein up to 3 centimetre thick with angle to core axis of 45 degrees, 15% veining, veining is crudely banded with trace very fine grained pyrite										
		278.70 279.43 Mottled calc silicate skarn as above cut by 1% veining										
279.43	279.69	FAULT All gouge with minor rock fragments, more than 1% disseminated pyrite	279.43	279.69	0.26	FX 413766	0.009	0.200	20.0	13.	96.	-
279.69	280.78	CALC SILICATE SKARN Mottled garnet diopside actinolite calc silicate skarn cut by 1% veining, coherent	279.69	280.78	1.09	FX 413767	0.005	0.200	4.0	15.	26.	-
280.78	282.24	FAULT This is a fault zone with coherent calc silicate skarn shear lens in the order of 30 to 40 centimetre separated by zones of gouge of the same magnitude, broken up to 1 centimetre	280.78	282.24	1.46	FX 413768	0.053	0.100	13.0	71.	33.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		thick colourless epithermal quartz veining at upper contact and lower contact, 2% veining										
282.24	285.75	CALC SILICATE SKARN										
		282.24 283.14 Calc silicate skarn garnet diopside actinolite calcite, cut by 1% calcite veining	282.24	283.14	0.90	FX 413769	0.028	0.200	4.0	21.	32.	-
		283.14 284.78 Calc silicate skarn as above, calcareous local bleached zones, cut by 1% quartz calcite veining	283.14	284.78	1.64	FX 413770	0.010	0.300	2.0	8.	12.	-
		284.78 285.29 Calc silicate skarn with upper half limonitic gouge, with some fault breccia, whereas lower half is bleached calc silicate skarn total is cut by maybe 4% quartz calcite veining	284.78	285.29	0.51	FX 413771	0.044	0.200	6.0	14.	70.	-
		285.29 285.75 Calc silicate skarn cut by 6 centimetre thick white calcite vein with limonitic core and angle to core axis of 20 degrees, 50% veining	285.29	285.75	0.46	FX 413772	0.002	0.100	7.0	7.	57.	-
285.75	288.25	MARBLE										
		Gray fine to medium grained homogeneous locally banded and intercalated with calc silicate skarn	285.75	286.93	1.18	FX 413773	0.006	0.200	5.0	11.	7.	-
		285.75 286.93 Gray marble, with minor intercalated diopside calc silicate skarn at lower contact, cut by 1% calcite veining	286.93	287.11	0.18	FX 413774	0.015	0.200	11.0	10.	14.	-
		286.93 287.11 As above cut by crudely banded quartz calcite vein up to 2 centimetre thick, epithermal looking angle to core axis of 30 degrees, 20% veining	287.11	288.03	0.92	FX 413775	0.006	0.300	8.0	24.	18.	-
		287.11 288.03 Marble with minor calc	288.03	288.25	0.22	FX 413776	0.011	0.100	13.0	6.	10.	-

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		silicate skarn as above, cut by 4% quartz calcite veining										
		288.03 288.25 Marble as above cut by 1.5 centimetre thick quartz calcite fluorite pyrite vein, crudely banded, epithermal looking, angle to core axis of 30 degrees, 12% veining										
288.25	294.55	CALC SILICATE SKARN										
		Typical garnet diopside calc silicate skarn	288.25	290.25	2.00	FX 413777	0.005	0.200	7.0	6.	3.	-
			290.25	292.25	2.00	FX 413778	0.003	0.200	3.0	7.	6.	-
		288.25 290.25 As above cut by quartz calcite veins up to 1.5 centimetre thick with angle to core axis of 45 degrees, metamorphic fabric at 10 to 30 degrees to core axis, 5% veining	292.25	294.14	1.89	FX 413779	0.002	0.100	3.0	9.	16.	-
			294.14	294.55	0.41	FX 413780	0.001	0.200	3.0	7.	43.	-
		290.25 292.25 Diopside calc silicate skarn with intercalated marble, flaser metamorphic fabric at 30 degrees to core axis, 1% calcite veining										
		292.25 294.14 As above with flaser metamorphic fabric, near lower contact garnet porphyroblastesis common, cut by 1% quartz calcite veining up to 3 millimetre thick										
		294.14 294.55 Calc silicate skarn with garnet porphyroblasts up to 1 centimetre, appears mottled and bleached										
294.55	295.05	QUARTZ VEIN										
		Chalcedonic quartz vein breccia, quartz varying from gray to colourless to white with clasts of arkosic tuff, matrix supported, 30%	294.55	295.05	0.50	FX 413781	0.008	0.300	12.0	8.	23.	-

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
		veining										
295.05	295.96	TUFF										
		Gray brown tuff with quartz	295.05	295.44	0.39	FX 413782	0.001	0.100	12.0	49.	14.	-
		granules, biotitic	295.44	295.96	0.52	FX 413783	0.005	0.200	37.0	25.	23.	-
		295.05 295.44 As above cut by white										
		chalcedonic quartz veins up to 2										
		centimetre thick angle to core axis 35										
		degrees, 25% veining										
		295.44 295.96 Tuff as above cut by 1%										
		quartz calcite veining										
295.96	310.90	CALC SILICATE SKARN										
		Typical pale greenish gray	295.96	297.81	1.85	FX 413784	0.005	0.200	6.0	11.	19.	-
		diopside garnet actinolite calc	297.81	297.98	0.17	FX 413785	0.040	0.800	24.0	5.	314.	-
		silicate skarn with local calcareous	297.98	300.01	2.03	FX 413786	0.005	0.100	16.0	19.	60.	-
		zones	300.01	302.00	1.99	FX 413787	0.001	0.100	5.0	12.	13.	-
		295.96 297.81 Calc silicate skarn as above	302.00	303.56	1.56	FX 413788	0.001	0.200	3.0	6.	6.	-
		flaser fabric cut by weak quartz	303.56	305.44	1.88	FX 413789	0.006	0.200	2.0	11.	40.	-
		calcite stockwork, 3% veining	305.44	307.31	1.87	FX 413790	0.008	0.100	9.0	22.	105.	-
		297.81 297.98 As above cut by dark gray	307.31	309.15	1.84	FX 413791	0.003	0.100	6.0	21.	187.	-
		quartz vein with rare pyrite fluorite	309.15	310.90	1.75	FX 413792	0.004	0.100	5.0	23.	57.	-
		and minor calcite, crudely banded,										
		epithermal-looking, 3 centimetre thick,										
		angle to core axis of 30 degrees, 25%										
		veining										
		297.98 300.01 Calc silicate skarn, locally										
		mottled and biotitic, cut by calcite										
		veins up to 6 centimetre thick at										
		299.68, 4% veining										
		300.01 302.00 Pale greenish gray diopside										
		garnet calc silicate skarn, metamorphic										
		fabric at 30 degrees to core axis, cut										
		by 2% white quartz calcite veining up										
		to 1 centimetre thick										

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	BA PPM	MO PPM	%MIN
302.00	303.56	As above, with quartz calcite veins up to 1.5 centimetre thick angle to core axis of 60 and 70 degrees, 2% veining										
303.56	305.44	As above cut by 1% quartz calcite veining up to 1 centimetre thick, local gouge zone at 304.87 304.94,										
305.44	307.31	Calc silicate skarn as above garnet diopside actinolite cut by calcite veins up to 1 centimetre thick, 2% veining metamorphic fabric parallel to 30 degrees to core axis										
307.31	309.15	As above, friable and local gouge near lower contact cut by calcite veining up to 1 centimetre thick, 1% veining										
309.15	310.90	Calc silicate skarn as above, local gouge zones near upper contact and some clay alteration .Perhaps this marks the approach of a major clay alteration zone?, cut by 2% quartz veining, gray epithermal and white at 45 degrees to core axis, FOOT OF HOLE AT 310.90 METRES.										

APPENDIX B

Analytical Results

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Epi Property, B.C
(Yard claim)
BH 72456

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE. F - NAOH FUSION - SPECIFIC ION ELECTRODE ANALYSIS.

DATE RECEIVED: OCT 17 1988 DATE REPORT MAILED: Oct 21/88 SIGNED BY ...D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

INCO GOLD COMPANY PROJECT 60806-14010 File # 88-5225 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	F PPM
FX 286394	1	19	6	52	.1	30	13	447	3.28	2	5	ND	4	55	1	2	2	48	.85	.086	9	21	1.54	87	.19	2	1.25	.09	.11	1	4	880
FX 286395	1	42	3	57	.1	43	15	484	3.36	2	5	ND	3	119	1	2	2	55	1.87	.075	9	30	1.47	83	.18	3	1.73	.14	.10	1	5	2200
FX 286396	1	30	5	52	.1	39	12	463	2.85	7	5	ND	4	120	1	2	2	44	1.39	.071	8	26	1.24	151	.13	2	1.28	.07	.15	1	8	610
FX 286397	6	134	10	67	.2	21	22	161	5.53	187	5	ND	4	45	1	5	2	142	.70	.099	9	38	1.05	23	.01	2	2.86	.01	.11	1	43	3900
FX 286398	19	119	11	68	.2	21	22	317	5.38	115	5	ND	3	50	1	2	2	131	1.39	.116	15	62	1.02	628	.01	3	3.57	.01	.30	1	245	6650
FX 286399	31	112	12	65	.3	20	20	275	4.96	109	5	ND	3	39	1	3	2	136	1.68	.099	12	61	.90	42	.01	3	3.40	.01	.34	1	109	10700
FX 286400	122	25	4	19	.2	6	5	142	1.36	36	5	ND	2	13	1	3	3	61	1.51	.013	6	17	.21	30	.01	2	1.04	.01	.25	2	37	11900
FX 286401	76	21	4	16	.4	6	5	125	1.33	30	5	ND	1	16	1	2	2	54	.83	.016	4	16	.25	63	.01	3	.92	.01	.14	1	34	5950
FX 286402	7	64	7	42	.1	11	10	166	2.79	32	5	ND	2	25	1	2	2	100	2.66	.088	5	28	.71	70	.01	3	3.13	.01	.78	3	26	20400
FX 286403	15	55	4	29	.1	8	6	210	1.77	31	5	ND	2	28	1	3	2	88	5.23	.051	5	11	.44	78	.01	2	2.70	.02	.75	41	80	47500
FX 286404	6	98	5	51	.1	16	15	533	4.34	35	5	ND	2	37	1	2	2	83	1.08	.132	5	57	.74	35	.01	2	1.98	.01	.33	1	47	3220
FX 286405	4	45	4	44	.1	10	11	292	2.52	40	5	ND	2	37	1	2	2	55	1.35	.092	5	10	.88	40	.01	3	2.13	.01	.50	1	13	5700
FX 286406	15	25	5	23	.4	5	4	591	1.44	22	5	ND	3	53	1	3	2	68	8.17	.032	5	8	.75	132	.01	58	2.27	.02	.72	5	70	122000
FX 286407	4	26	4	27	.1	5	5	207	1.88	23	5	ND	1	19	1	2	2	52	1.36	.049	4	9	.44	52	.01	2	1.98	.01	.56	12	31	10800
FX 286408	12	32	4	25	.3	12	8	170	1.74	32	5	ND	2	21	1	3	2	86	5.43	.034	3	35	.51	69	.01	3	2.08	.01	.53	2	57	58000
FX 286409	11	75	5	39	.2	23	13	204	3.28	31	5	ND	2	25	1	2	2	101	1.34	.071	3	50	.71	31	.01	2	2.39	.01	.45	1	35	9120
FX 286410	8	57	6	39	.2	28	15	187	3.31	38	5	ND	1	21	1	2	2	111	1.34	.060	2	59	.66	30	.01	2	2.27	.01	.43	1	29	9900
FX 286411	12	49	6	45	.1	25	13	174	4.29	101	5	ND	1	26	1	2	2	114	.44	.099	3	90	.65	16	.01	5	1.98	.01	.23	1	64	3010
FX 286412	9	35	4	47	.1	30	17	270	4.26	52	5	ND	2	36	1	2	2	124	1.76	.083	3	113	.91	23	.01	2	3.09	.01	.37	1	29	12900
FX 286413	30	36	6	27	.6	6	6	1032	1.63	43	6	ND	2	62	1	3	2	75	7.60	.038	4	24	.91	43	.01	12	2.02	.01	.41	2	88	72500
FX 286414	16	77	7	51	.3	14	11	250	4.06	56	5	ND	2	39	1	2	2	135	4.57	.098	4	57	.75	26	.01	2	3.79	.01	.61	1	48	41000
FX 286415	29	23	4	22	.2	5	4	495	1.14	27	5	ND	3	54	1	3	2	64	7.87	.020	5	14	.69	111	.01	149	1.24	.03	.26	3	60	92100
FX 286416	69	40	8	26	.9	8	6	240	2.06	76	5	ND	2	26	1	3	2	129	4.60	.039	2	29	.41	46	.01	2	2.40	.01	.52	1	87	42000
FX 286417	243	29	8	21	4.2	6	5	521	2.25	267	5	ND	2	28	1	23	2	117	5.38	.016	3	17	.28	37	.01	21	1.40	.01	.37	6	295	40700
FX 286418	143	28	7	21	1.5	6	5	115	1.84	138	5	ND	2	16	1	13	2	127	3.63	.019	2	14	.30	25	.01	6	1.85	.01	.50	1	114	32400
FX 286419	78	13	2	10	1.2	3	2	75	.85	49	5	ND	2	12	1	2	2	46	5.50	.010	4	12	.13	11	.01	187	.81	.03	.21	7	107	47700
FX 286420	134	7	2	3	3.4	2	1	40	.47	60	5	ND	2	21	1	2	2	18	8.22	.002	3	3	.03	618	.01	1145	.40	.14	.05	1	105	150000
FX 286421	100	40	7	38	.4	17	8	104	2.26	65	5	ND	1	11	1	3	3	67	.56	.027	2	48	.31	19	.01	8	1.23	.01	.21	3	59	5500
FX 286422	79	122	13	101	.1	91	45	1766	6.39	78	5	ND	2	51	1	3	2	138	.67	.097	6	185	1.20	107	.01	3	3.08	.01	.30	1	19	5080
FX 286423	63	82	9	88	.1	100	32	1723	7.59	58	5	ND	1	56	1	3	2	159	.99	.113	4	538	1.16	37	.03	5	3.84	.01	.18	1	16	6390
FX 286424	26	72	8	68	.1	60	21	462	4.56	50	5	ND	1	31	1	2	2	101	.55	.060	4	144	1.03	18	.01	5	2.49	.01	.20	1	30	4100
FX 286425	14	33	3	41	.2	25	11	184	1.99	49	5	ND	1	11	1	4	2	57	.20	.035	3	17	.47	10	.01	2	.86	.01	.12	1	48	3100
FX 286426	29	26	3	37	.2	19	10	227	1.63	43	5	ND	1	16	1	3	2	44	.24	.030	3	18	.44	944	.01	2	.73	.01	.10	4	25	960
FX 286427	72	32	4	35	.4	15	14	1421	1.75	29	5	ND	1	11	1	3	2	41	.12	.025	3	21	.51	161	.01	11	.75	.01	.07	1	27	2350
FX 286428	13	67	4	50	.2	23	15	349	2.79	33	5	ND	1	18	1	3	2	69	.34	.044	3	46	.74	20	.01	2	1.23	.01	.15	2	43	1080
FX 286429	54	7	5	5	1.5	2	1	57	.32	8	6	ND	2	14	1	2	2	17	7.29	.002	2	3	.07	24	.01	1065	.36	.14	.09	1	77	99700
STD C/AU-R	18	58	42	132	6.7	68	29	1015	4.05	43	20	6	38	48	17	16	21	59	.51	.093	40	57	.91	178	.07	33	2.06	.06	.14	12	510	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	F PPM
FX 286430	13	73	4	70	.3	24	17	234	3.59	39	5	ND	1	19	1	2	2	77	.25	.038	2	38	.76	18	.01	5	1.68	.01	.16	3	46	990
FX 286431	12	67	6	61	.2	28	19	177	3.87	36	5	ND	1	20	1	4	2	89	.20	.036	2	50	.85	19	.01	7	1.78	.01	.17	3	56	1100
FX 286432	31	63	4	57	.4	33	20	869	4.29	21	5	ND	1	114	1	2	2	103	5.23	.033	5	62	1.74	11	.01	3	2.24	.01	.06	1	13	1080
FX 286433	21	108	9	35	.6	33	32	1066	3.69	29	5	ND	1	182	1	2	2	109	9.82	.051	6	69	1.72	19	.01	5	2.31	.01	.07	2	22	1870
FX 286434	27	107	9	71	.7	37	21	839	5.13	45	5	ND	1	122	1	2	2	139	6.29	.043	5	80	2.10	28	.01	2	2.83	.01	.11	4	48	1550
FX 286435	47	43	11	58	.2	15	14	760	3.66	25	5	ND	1	74	1	8	2	73	2.71	.074	7	21	1.25	16	.01	2	2.13	.01	.12	5	17	1430
STD C/AU-R	18	58	37	132	7.1	66	29	1014	4.03	37	22	7	36	47	16	16	19	55	.48	.086	37	52	.92	175	.06	32	1.99	.06	.14	11	530	-

AC[illegible] ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. [illegible]COUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604[illegible]-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Epi, B.C.
BH 92480
FX 412773-879

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 9 1989 DATE REPORT MAILED: May 12/89 SIGNED BY. C. L..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

INCO GOLD COMPANY File # 89-1029 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 412773	1	37	6	57	.1	55	18	553	3.64	3	5	ND	1	189	1	2	12	59	1.78	.067	8	24	1.69	109	.19	4	1.93	.23	.13	1	4
FX 412774	1	61	8	44	.2	27	11	393	2.36	2	5	ND	1	143	1	2	3	50	1.09	.049	7	22	.86	101	.14	2	1.07	.15	.12	2	1
FX 412775	1	27	2	45	.1	33	13	392	2.74	2	5	ND	1	194	1	2	2	47	1.30	.059	7	20	.96	115	.16	3	1.04	.12	.09	1	1
FX 412776	1	40	5	50	.2	27	13	412	2.92	15	5	ND	1	185	1	2	2	59	1.67	.063	9	24	.85	142	.13	2	1.11	.09	.10	1	18
FX 412777	1	75	9	91	.1	20	26	338	6.54	55	5	ND	1	62	1	2	3	124	.98	.242	21	29	1.16	1344	.03	2	2.24	.02	.22	1	6
FX 412778	11	100	14	106	.1	20	30	673	7.48	245	5	ND	1	45	1	2	2	170	.68	.207	11	51	1.02	62	.01	2	2.00	.01	.31	1	198
FX 412779	5	100	16	107	.6	36	23	1114	5.01	42	5	ND	1	114	1	2	2	95	1.49	.104	13	39	1.17	297	.14	3	2.42	.09	.23	21	53
FX 412780	5	131	9	95	.1	20	30	735	7.11	167	5	ND	1	39	1	2	2	170	.61	.201	15	51	.97	32	.01	2	1.96	.01	.28	1	25
FX 412781	6	147	14	101	.1	30	22	461	5.70	77	5	ND	1	77	1	2	2	133	1.10	.162	11	45	1.01	100	.08	2	1.74	.05	.23	25	25
FX 412782	6	205	12	97	.1	23	29	313	7.45	162	5	ND	1	45	1	2	2	182	.74	.267	15	49	1.03	74	.01	2	2.19	.01	.32	1	43
FX 412783	33	85	8	36	.5	13	22	2794	2.43	56	5	ND	1	39	1	2	2	68	1.09	.046	5	25	.71	26	.01	2	.75	.01	.13	2	329
FX 412784	6	251	8	80	.1	20	26	311	6.41	133	5	ND	1	42	1	2	3	152	.62	.226	9	49	.87	23	.01	2	2.10	.01	.23	1	156
FX 412785	6	198	11	79	.1	19	28	498	5.80	131	5	ND	1	46	1	2	11	137	.69	.232	10	46	.97	43	.01	3	1.97	.01	.27	1	67
FX 412786	19	63	4	37	.2	14	15	371	2.75	58	5	ND	1	30	1	2	2	79	.68	.063	9	23	.53	29	.01	2	1.38	.01	.20	2	64
FX 412787	5	165	6	89	.1	22	36	1865	6.51	126	5	ND	1	89	1	2	3	152	2.23	.272	10	45	1.75	211	.01	2	2.38	.02	.22	1	70
FX 412788	8	157	5	73	.1	22	28	983	6.10	172	5	ND	1	54	1	2	2	143	.75	.225	10	43	.97	67	.01	2	2.04	.01	.28	1	72
FX 412789	4	43	8	84	.1	19	27	805	6.73	102	5	ND	1	52	1	2	2	139	.77	.250	6	42	.95	44	.01	2	2.06	.01	.35	1	120
FX 412790	4	33	9	90	.1	20	30	968	5.92	89	5	ND	1	54	1	2	2	140	.92	.215	5	49	1.08	33	.01	2	2.37	.01	.34	1	35
FX 412791	5	165	10	102	.1	25	37	995	7.23	125	5	ND	1	69	1	2	2	156	1.16	.217	8	41	1.30	25	.01	2	2.23	.02	.35	1	82
FX 412792	6	96	7	92	.2	23	34	1147	7.11	120	5	ND	1	63	1	2	2	156	1.17	.241	13	40	1.05	34	.01	2	2.02	.02	.37	1	151
FX 412793	4	134	5	77	.2	17	25	995	5.67	67	5	ND	1	60	1	2	2	131	1.41	.205	6	38	1.06	36	.01	2	2.00	.02	.36	1	79
FX 412794	4	93	6	83	.1	19	29	1030	6.37	100	5	ND	1	80	1	2	3	181	2.72	.296	11	50	1.22	42	.01	2	3.37	.02	.49	1	88
FX 412795	4	143	12	90	.3	21	29	1041	6.37	76	5	ND	1	84	1	2	2	168	2.47	.229	8	56	1.44	38	.01	2	3.36	.02	.40	1	163
FX 412796	4	83	10	93	.1	30	33	1401	6.99	62	5	ND	1	107	1	2	3	187	1.44	.245	9	61	1.69	139	.02	2	3.40	.02	.29	1	25
FX 412797	3	65	3	76	.2	18	24	638	5.20	69	5	ND	2	74	1	2	2	155	1.75	.176	7	43	1.14	18	.01	2	1.92	.02	.35	1	47
FX 412798	5	146	7	87	.2	22	34	2162	6.50	49	5	ND	1	114	1	2	2	196	2.41	.195	9	48	1.69	366	.02	3	4.16	.02	.31	1	29
FX 412799	3	187	8	87	.1	20	24	1285	7.11	30	5	ND	1	120	1	2	2	194	3.22	.178	7	52	1.72	122	.02	3	4.39	.03	.24	1	26
FX 412800	3	125	10	69	.2	20	20	939	4.65	27	5	ND	1	76	1	2	2	121	1.33	.121	3	59	1.47	92	.01	2	3.56	.02	.29	1	23
FX 412801	3	106	8	84	.4	22	27	1184	5.52	30	5	ND	1	83	1	2	2	126	1.66	.179	5	46	1.87	71	.01	2	3.45	.02	.25	1	48
FX 412802	4	28	7	68	.1	16	22	978	4.62	37	5	ND	1	76	1	2	3	143	4.48	.150	5	32	1.38	116	.01	2	3.88	.01	.60	1	26
FX 412803	6	182	7	91	.1	21	30	816	6.64	68	5	ND	1	75	1	2	2	183	1.71	.214	7	44	1.60	33	.01	4	2.87	.02	.36	1	54
FX 412804	5	154	6	94	.2	21	29	834	6.79	61	5	ND	1	95	1	2	2	182	1.56	.183	8	45	1.87	33	.01	2	2.88	.02	.24	1	65
FX 412805	5	84	6	75	.1	18	23	1485	5.41	60	5	ND	1	91	1	2	2	171	3.66	.167	10	38	1.57	39	.01	2	3.27	.02	.56	1	81
FX 412806	4	67	4	79	.1	18	25	1020	7.33	36	5	ND	1	109	1	2	2	194	1.75	.225	15	51	2.00	75	.02	2	3.58	.03	.29	1	39
FX 412807	5	46	9	84	.1	21	27	1171	6.43	84	5	ND	1	91	1	2	2	189	3.05	.190	10	46	1.88	52	.02	2	4.60	.02	.38	1	95
FX 412808	7	41	11	81	.1	21	25	1029	5.54	56	5	ND	1	100	1	2	2	170	4.68	.168	8	42	1.72	91	.03	2	5.01	.04	.41	1	254
STD C/AU-R	17	60	40	132	6.5	72	31	938	3.91	40	22	7	37	50	17	14	19	58	.48	.086	38	53	.91	172	.06	33	1.75	.06	.13	11	515

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 412809	5	47	9	85	.4	23	26	1343	5.75	30	5	ND	1	94	1	2	2	151	1.14	.212	8	46	1.65	87	.02	2	3.01	.03	.12	1	18
FX 412810	8	106	6	70	.3	21	22	3591	6.27	52	5	ND	1	116	1	2	2	178	2.66	.198	12	47	1.62	212	.03	2	4.62	.03	.21	1	19
FX 412811	5	102	7	83	.5	21	23	3799	6.72	41	5	ND	2	120	1	5	2	174	2.11	.221	10	51	1.64	68	.02	2	3.66	.03	.15	1	12
FX 412812	4	128	12	81	.7	22	22	1588	5.08	36	5	ND	2	125	1	2	2	160	3.35	.183	9	50	1.70	66	.02	2	4.64	.03	.21	1	28
FX 412813	4	106	4	96	.2	26	30	1368	6.59	35	5	ND	1	113	1	2	2	170	1.92	.199	8	49	2.19	141	.01	4	4.19	.03	.24	1	14
FX 412814	3	245	8	81	.5	24	25	707	5.57	40	5	ND	2	148	1	2	2	160	4.95	.165	7	42	2.04	117	.01	2	5.17	.03	.42	1	23
FX 412815	4	830	7	97	.3	29	34	680	7.05	43	5	ND	1	97	1	2	2	183	1.13	.206	7	54	2.60	30	.01	2	3.75	.03	.12	1	205
FX 412816	7	674	6	67	.8	23	27	1058	4.88	56	5	ND	2	126	1	2	3	180	3.41	.148	9	41	2.01	35	.01	2	2.63	.02	.11	1	113
FX 412817	5	132	6	99	.4	26	33	596	6.63	35	5	ND	1	83	1	2	2	201	1.46	.195	7	53	2.75	23	.02	2	4.19	.03	.08	1	26
FX 412818	11	152	2	61	.5	20	21	470	4.52	67	5	ND	1	60	1	2	2	143	1.51	.129	6	41	1.93	24	.01	2	3.02	.02	.11	1	167
FX 412819	6	131	6	95	.3	23	33	6380	6.56	29	5	ND	1	96	1	2	2	182	2.30	.196	10	49	2.76	36	.02	2	3.37	.03	.15	1	21
FX 412820	10	46	8	80	.3	21	28	823	5.92	63	5	ND	1	74	1	2	2	169	3.56	.168	7	42	2.50	43	.01	2	4.26	.02	.40	1	28
FX 412821	10	49	9	48	.7	15	16	980	3.95	68	5	ND	3	83	1	2	2	137	5.62	.097	7	31	1.48	80	.01	2	3.44	.02	.61	2	43
FX 412822	8	55	10	81	.2	22	28	519	5.83	57	5	ND	1	46	1	2	2	165	1.34	.161	6	44	2.54	21	.01	2	3.49	.02	.13	1	29
FX 412823	11	192	8	68	.5	20	23	533	5.67	58	5	ND	2	59	1	2	2	166	2.06	.160	7	40	2.08	30	.01	3	3.26	.02	.35	1	61
FX 412824	11	94	10	84	.1	23	28	550	6.16	55	5	ND	1	67	1	2	2	170	1.95	.185	8	43	2.32	33	.01	2	3.40	.02	.35	1	56
FX 412825	12	116	9	76	.1	21	26	404	6.53	76	5	ND	1	53	1	2	2	206	3.66	.159	7	45	2.15	31	.01	2	4.64	.02	.53	1	49
FX 412826	10	35	12	56	.2	14	18	267	4.88	74	5	ND	1	37	1	2	2	184	3.35	.096	5	33	1.58	21	.01	2	3.33	.01	.65	1	43
FX 412827	12	33	11	69	.1	19	24	429	5.80	64	5	ND	1	50	1	2	2	154	1.42	.159	6	41	2.00	16	.01	2	3.23	.01	.39	1	28
FX 412828	12	123	10	68	.4	18	22	363	5.33	73	5	ND	1	41	1	2	2	170	2.97	.128	6	33	1.71	45	.01	2	3.39	.01	.58	1	45
FX 412829	16	76	11	74	.4	17	23	481	5.57	73	5	ND	1	58	1	2	2	172	4.56	.149	8	36	1.89	120	.01	2	4.20	.01	.81	1	53
FX 412830	16	13	13	69	.2	18	22	334	5.50	79	5	ND	1	33	1	2	2	147	3.69	.110	6	31	1.59	116	.01	2	3.67	.01	.73	1	126
FX 412831	16	11	5	76	.1	26	24	601	6.44	94	5	ND	1	49	1	2	2	153	1.82	.165	7	36	1.69	245	.01	2	3.12	.01	.40	1	86
FX 412832	11	10	11	84	.1	19	26	890	6.47	65	5	ND	1	101	1	2	2	143	2.67	.176	8	38	2.39	28	.02	2	4.41	.02	.40	1	111
FX 412833	16	15	9	87	.1	24	27	596	7.05	91	5	ND	1	64	1	2	2	172	2.68	.171	7	42	2.15	31	.01	2	4.24	.02	.42	1	72
FX 412834	13	12	8	93	.1	23	30	543	7.21	123	5	ND	1	54	1	2	2	160	1.24	.178	5	43	2.20	17	.01	2	3.36	.02	.25	1	92
FX 412835	203	11	2	9	1.5	14	3	1974	.75	30	5	ND	1	36	1	2	2	21	6.88	.011	3	15	.38	265	.01	599	.45	.06	.12	4	296
FX 412836	29	30	9	54	.2	12	15	343	5.01	90	5	ND	1	41	1	2	2	172	6.27	.108	6	30	1.17	103	.01	19	4.16	.01	1.05	1	67
FX 412837	17	13	2	89	.1	24	30	670	7.24	62	5	ND	1	91	1	2	2	151	2.80	.167	8	38	2.38	26	.01	2	4.00	.02	.37	1	35
FX 412838	15	25	7	88	.2	21	30	907	6.94	69	5	ND	1	152	1	2	2	150	3.14	.167	7	37	2.69	29	.01	12	3.83	.03	.33	1	65
FX 412839	11	140	13	82	.3	22	29	706	6.71	68	5	ND	2	101	1	3	2	137	1.65	.183	9	32	2.56	19	.01	2	2.73	.02	.22	1	77
FX 412840	9	21	10	74	.3	16	23	3156	5.15	66	5	ND	1	100	1	2	2	137	8.89	.142	9	35	2.24	151	.01	2	5.11	.02	.81	1	74
FX 412841	9	8	7	93	.4	24	31	2778	6.72	46	5	ND	2	95	1	2	2	134	4.47	.189	10	41	2.72	15	.01	3	3.06	.02	.18	1	95
FX 412842	54	11	10	81	.1	18	26	749	6.44	82	5	ND	1	82	1	2	2	149	3.96	.168	6	41	2.31	29	.01	2	4.75	.02	.47	1	71
FX 412843	14	15	5	45	.6	10	17	923	3.71	63	5	ND	1	151	1	5	2	116	9.11	.071	9	20	1.97	101	.01	2	2.58	.02	.52	3	97
FX 412844	15	20	8	70	.3	17	24	737	5.64	72	5	ND	1	122	1	2	2	156	3.79	.142	8	31	2.22	26	.01	3	4.49	.02	.39	1	62
STD C/AU-R	18	62	41	132	7.1	73	30	1020	3.80	37	17	7	37	51	18	15	19	59	.46	.089	38	54	.87	173	.07	32	1.70	.06	.13	11	470

INCO GOLD COMPANY FILE # 89-1029

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 412845	4	10	6	27	.6	5	14	1419	1.58	22	5	ND	1	350	1	2	2	52	12.81	.021	9	10	2.80	64	.01	85	1.42	.04	.22	2	24
FX 412846	11	44	6	59	.4	10	25	8449	3.96	67	5	ND	1	379	1	2	3	128	7.63	.090	13	26	3.96	62	.01	2	2.61	.04	.25	1	46
FX 412847	11	136	4	84	.7	19	28	461	6.01	104	7	ND	1	56	1	5	2	169	2.27	.163	8	43	2.24	18	.01	13	4.14	.02	.37	1	120
FX 412848	10	58	3	79	.3	23	27	441	6.02	105	5	ND	1	37	1	2	2	161	1.84	.163	7	72	2.06	13	.01	5	3.92	.01	.32	1	74
FX 412849	17	115	8	68	.5	30	27	1625	5.15	88	5	ND	1	106	1	2	2	154	3.83	.146	7	116	2.65	343	.01	2	3.79	.02	.38	1	72
FX 412850	14	101	10	55	.7	23	21	2129	4.38	82	5	ND	2	154	1	2	4	160	8.52	.103	7	102	2.52	766	.01	2	4.01	.02	.57	1	50
FX 412851	23	102	6	78	.7	38	30	589	6.41	108	6	ND	2	48	1	2	2	178	1.48	.173	7	129	2.24	24	.01	5	3.54	.01	.24	1	58
FX 412852	9	52	3	50	.3	21	17	345	4.36	72	5	ND	1	51	1	2	2	143	7.33	.104	6	104	1.41	107	.02	5	5.12	.01	.55	1	49
FX 412853	13	112	4	94	.5	45	34	540	7.38	108	5	ND	1	47	1	2	2	180	1.93	.185	6	219	2.81	12	.01	8	4.94	.02	.22	1	43
FX 412854	24	100	4	90	.6	41	34	2274	6.52	145	5	ND	1	192	1	2	2	173	3.52	.163	10	232	3.81	61	.01	2	3.62	.03	.14	1	88
FX 412855	14	110	2	69	.4	32	27	632	6.45	80	5	ND	1	66	1	2	2	162	3.27	.149	5	209	2.10	21	.02	4	5.03	.02	.27	1	22
FX 412856	12	168	5	79	.8	38	33	2377	5.93	72	5	ND	1	179	1	2	2	170	4.29	.154	8	210	3.95	42	.01	5	3.05	.02	.13	1	85
FX 412857	10	124	8	77	.5	21	19	1833	3.47	42	5	ND	1	209	1	2	2	124	9.55	.080	7	110	2.68	168	.01	2	2.86	.02	.29	1	16
FX 412858	10	73	7	47	.8	21	15	415	4.42	54	5	ND	3	65	1	2	2	139	8.89	.088	7	117	1.25	194	.02	14	4.68	.02	.42	1	75
FX 412859	13	84	8	57	.7	24	22	1177	4.49	50	5	ND	1	140	1	2	2	162	6.99	.105	7	139	2.36	100	.01	5	4.14	.02	.41	1	20
FX 412860	35	100	4	65	.6	28	24	307	4.69	59	5	ND	1	30	1	2	2	141	1.79	.137	8	102	1.82	20	.01	7	3.63	.01	.29	1	62
FX 412861	7	111	8	60	.4	17	18	315	3.90	41	5	ND	1	29	1	2	2	144	3.03	.097	6	62	1.69	25	.01	5	4.11	.01	.55	1	34
FX 412862	9	122	6	71	.4	28	25	281	4.55	51	5	ND	1	24	1	2	2	123	1.42	.102	5	78	2.45	11	.01	3	3.38	.01	.25	1	47
FX 412863	7	45	2	36	.4	15	13	180	2.43	30	5	ND	1	19	1	2	2	94	2.43	.059	4	53	.95	10	.01	7	2.18	.01	.43	1	72
FX 412864	5	37	7	30	.2	11	10	120	2.04	17	5	ND	1	27	1	2	2	145	5.65	.056	6	38	.87	29	.01	3	3.73	.01	.89	1	25
FX 412865	9	98	2	59	.2	18	20	265	4.30	50	5	ND	1	24	1	2	2	106	.89	.168	6	47	1.48	10	.01	2	2.61	.01	.25	1	29
FX 412866	8	334	6	74	.2	20	23	339	4.34	46	5	ND	1	26	1	2	2	139	1.80	.147	7	43	1.93	14	.01	2	3.75	.01	.40	1	36
FX 412867	11	176	5	71	.2	17	22	349	4.80	50	5	ND	1	27	1	2	2	150	2.03	.160	7	43	1.71	34	.01	7	3.95	.01	.39	1	26
FX 412868	10	110	4	54	.4	15	16	287	3.54	45	5	ND	1	18	1	2	2	98	.83	.114	6	30	1.20	35	.01	3	2.15	.01	.27	1	43
FX 412869	6	38	3	25	.1	6	7	108	1.35	14	5	ND	1	10	1	2	2	49	.50	.028	8	11	.56	18	.01	18	1.25	.01	.31	1	19
FX 412870	9	65	3	50	.1	8	14	246	3.06	26	5	ND	1	15	1	2	2	62	.36	.079	6	12	1.10	15	.01	2	1.71	.01	.24	1	31
FX 412871	11	83	9	78	.1	11	22	1476	4.41	29	5	ND	1	42	1	2	2	66	1.20	.098	9	12	1.96	22	.01	2	2.28	.01	.23	1	7
FX 412872	10	101	9	81	.3	17	23	1272	4.22	30	5	ND	1	40	1	2	2	64	1.54	.103	15	16	1.84	24	.01	2	2.22	.01	.25	1	12
FX 412873	21	70	6	62	.5	37	25	1418	4.86	62	5	ND	2	48	1	2	2	121	3.39	.075	7	108	1.89	17	.01	2	2.48	.01	.17	1	47
FX 412374	67	46	5	41	.5	26	15	247	3.33	44	5	ND	1	15	1	2	2	106	1.79	.043	4	80	1.45	26	.01	2	2.93	.01	.37	1	151
FX 412875	31	64	5	56	.4	35	22	502	4.36	76	5	ND	1	24	1	2	2	110	.52	.071	4	115	2.02	16	.01	5	2.62	.01	.19	1	59
FX 412876	20	85	2	58	.2	35	20	544	3.75	74	5	ND	1	21	1	2	2	113	1.58	.050	4	111	2.17	26	.01	8	3.31	.01	.36	1	66
FX 412877	11	75	4	54	.4	26	20	1190	3.39	48	5	ND	1	39	1	2	2	68	1.92	.066	6	66	1.88	18	.01	2	2.13	.01	.22	1	64
FX 412878	14	28	3	26	.2	14	8	135	1.51	24	5	ND	1	10	1	2	2	39	.21	.033	6	20	.54	22	.01	2	.83	.01	.12	1	20
FX 412879	16	56	5	27	.6	16	8	78	2.00	78	5	ND	1	12	1	5	2	59	.27	.037	4	46	.50	31	.01	2	.96	.01	.15	3	136
STD C/AU-R	17	63	38	132	7.1	72	31	955	3.74	41	19	6	36	50	18	14	17	57	.46	.087	38	55	.85	176	.06	33	1.85	.06	.14	11	480

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Epi, B.C.
BH 72481
FX 412880-955

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 12 1989 DATE REPORT MAILED: May 18/89 SIGNED BY C. Leong ...D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

INCO GOLD COMPANY File # 89-1065 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 412880	10	164	7	83	.1	20	30	515	6.18	70	5	ND	1	68	1	2	2	166	1.10	.167	6	56	1.23	30	.01	2	3.71	.02	.22	1	611
FX 412881	12	148	7	74	.1	19	26	865	5.73	67	5	ND	1	83	1	2	2	157	2.66	.158	7	54	1.19	45	.01	2	4.22	.02	.30	1	297
FX 412882	7	38	8	110	.2	14	14	1092	2.58	42	5	ND	1	52	1	2	2	81	1.91	.072	4	28	.52	1853	.01	2	1.45	.01	.24	1	238
FX 412883	8	85	3	100	.1	27	35	652	6.67	111	5	ND	1	74	1	4	2	166	1.45	.197	7	57	1.30	52	.01	2	3.14	.02	.37	1	175
FX 412884	11	23	12	83	.1	17	23	685	5.71	176	5	ND	1	61	1	2	2	149	1.24	.149	6	45	.87	99	.01	2	2.62	.01	.30	3	114
FX 412885	259	200	14	410	3.7	11	7	521	1.72	98	5	ND	2	80	2	3	3	58	5.82	.030	3	16	.34	576	.01	10	1.16	.01	.45	1	425
FX 412886	14	52	8	92	.6	12	13	718	2.43	91	5	ND	1	64	1	3	2	86	3.32	.061	3	37	.49	504	.01	7	1.56	.01	.39	1	223
FX 412887	10	61	5	93	.2	32	30	1490	5.33	102	5	ND	1	82	1	2	2	129	2.72	.160	6	149	1.23	220	.01	2	3.70	.01	.33	1	173
FX 412888	7	104	9	54	.2	15	14	301	2.10	32	5	ND	1	49	1	2	2	59	1.15	.054	4	14	.76	163	.01	2	2.94	.01	.56	1	46
FX 412889	28	146	9	81	.2	33	26	906	5.06	81	5	ND	1	78	1	2	2	125	1.65	.135	10	134	1.22	152	.01	2	3.63	.02	.25	1	581
FX 412890	7	59	8	44	.1	9	11	1295	2.11	46	5	ND	1	56	1	4	2	61	2.21	.046	6	22	.53	226	.01	8	2.42	.01	.51	4	170
FX 412891	9	139	7	55	.1	12	12	1248	3.33	66	5	ND	1	54	1	2	2	103	3.50	.079	8	27	.75	318	.01	4	4.51	.01	.95	2	102
FX 412892	12	271	9	83	.2	18	19	1028	5.45	134	5	ND	1	54	1	3	2	129	1.23	.149	9	50	1.00	50	.01	2	2.98	.01	.47	2	90
FX 412893	13	479	9	68	.2	18	18	843	4.88	86	5	ND	1	52	1	2	2	112	.83	.121	9	40	.95	83	.01	14	3.50	.02	.27	8	216
FX 412894	10	624	9	89	.1	20	23	518	5.62	98	5	ND	1	49	1	2	2	129	.54	.166	8	44	1.18	25	.01	14	2.90	.02	.39	1	170
FX 412895	7	201	7	84	.2	23	24	1277	3.83	53	5	ND	2	43	1	2	2	93	1.39	.105	5	45	1.23	278	.01	4	3.00	.01	.52	1	94
FX 412896	9	44	10	65	.2	10	16	531	2.35	61	5	ND	1	34	1	2	2	41	.35	.056	4	10	.91	111	.01	10	2.00	.01	.28	1	22
FX 412897	60	27	9	36	.3	11	8	623	1.40	50	5	ND	1	31	1	2	4	32	1.40	.027	5	9	.55	169	.01	7	1.87	.01	.41	1	274
FX 412898	10	51	9	57	.1	15	17	601	2.64	91	5	ND	2	26	1	2	2	54	.33	.059	4	18	.86	77	.01	7	1.50	.01	.30	1	20
FX 412899	14	53	11	74	.2	29	23	1022	4.67	57	5	ND	2	52	1	3	2	149	4.47	.108	7	104	1.43	238	.01	2	4.68	.01	.91	1	37
FX 412900	14	327	9	89	.1	45	34	1749	7.77	60	5	ND	1	77	1	2	2	167	1.17	.191	9	156	2.01	67	.01	10	3.80	.02	.33	1	15
FX 412901	14	85	3	38	.3	20	8	217	1.66	16	5	ND	1	18	1	2	5	50	1.09	.041	2	51	.53	81	.01	2	.99	.01	.18	3	202
FX 412902	8	509	11	90	.2	30	25	437	4.69	44	5	ND	1	43	1	2	5	125	.74	.113	6	83	1.86	49	.01	2	3.25	.01	.39	1	39
FX 412903	10	58	8	58	.1	22	19	360	3.65	93	5	ND	2	38	1	2	2	142	3.26	.093	9	86	1.17	127	.01	2	3.84	.01	.90	1	79
FX 412904	14	21	4	87	.1	39	34	545	7.04	89	5	ND	1	57	1	2	2	199	2.44	.158	7	162	1.88	781	.01	2	4.64	.01	.35	1	43
FX 412905	14	293	10	67	.2	37	27	442	5.37	74	5	ND	2	53	1	2	2	192	2.27	.126	5	138	1.82	31	.01	2	3.50	.01	.31	2	68
FX 412906	21	44	7	59	.2	29	22	304	4.67	86	5	ND	3	47	1	3	2	163	7.02	.101	8	122	1.43	257	.01	2	4.36	.01	.90	1	134
FX 412907	15	27	9	97	.1	48	39	794	7.46	123	5	ND	1	128	1	2	2	172	2.49	.179	7	169	2.98	28	.01	9	4.17	.02	.20	1	23
FX 412908	24	155	6	80	.1	43	33	471	5.96	146	5	ND	1	62	1	2	2	201	1.81	.141	5	150	2.46	22	.01	3	3.66	.01	.29	1	417
FX 412909	11	221	10	88	.1	43	33	1900	6.35	71	5	ND	1	136	1	2	2	179	5.41	.164	8	149	2.90	52	.01	2	3.69	.02	.13	1	23
FX 412910	20	32	15	78	.4	39	24	478	4.56	73	5	ND	1	62	1	3	2	126	2.21	.104	3	124	2.32	42	.01	2	3.22	.01	.22	1	529
FX 412911	33	246	9	83	.1	43	35	859	6.92	146	5	ND	1	83	1	2	2	182	2.01	.166	6	159	2.87	54	.01	2	3.58	.01	.19	1	84
FX 412912	21	66	12	59	.3	27	22	673	4.71	76	5	ND	1	109	1	2	5	143	3.35	.103	4	117	2.53	32	.01	2	3.06	.02	.21	1	56
FX 412913	22	18	10	81	.1	45	31	861	6.70	110	5	ND	1	84	1	2	2	179	3.52	.149	9	171	2.99	12	.01	2	4.60	.02	.24	1	89
FX 412914	19	43	9	73	.4	40	29	1216	5.49	83	5	ND	3	103	1	2	2	154	5.80	.123	7	150	2.44	19	.01	2	4.06	.02	.16	1	438
FX 412915	31	54	12	76	.4	38	30	1243	5.42	91	5	ND	3	97	1	2	4	157	6.42	.123	6	145	2.44	30	.01	2	3.84	.01	.33	1	33
STD C/AU-R	18	62	40	132	6.5	72	31	962	3.76	40	24	7	38	50	18	15	19	58	.46	.086	38	54	.84	176	.07	34	1.76	.06	.13	12	480

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 412916	43	69	7	59	.1	27	23	973	4.48	64	5	ND	1	93	1	2	2	167	6.82	.105	5	118	1.97	146	.01	2	2.97	.01	.69	1	47
FX 412917	21	105	8	72	.1	37	23	1543	5.72	66	5	ND	1	131	1	2	2	167	6.36	.123	7	162	2.92	46	.01	2	4.17	.02	.32	1	92
FX 412918	8	41	4	39	.3	16	15	1397	2.95	86	5	ND	3	186	1	2	2	123	15.46	.059	5	83	1.74	391	.01	5	2.57	.01	.41	1	31
FX 412919	6	23	2	24	.1	11	9	1733	1.57	34	5	ND	1	150	1	2	2	76	14.95	.033	4	49	1.06	138	.01	272	1.38	.04	.35	1	74
FX 412920	9	28	7	44	.1	19	15	1014	3.52	38	5	ND	1	109	1	2	2	133	12.89	.068	4	96	1.68	147	.01	3	2.83	.01	.52	1	44
FX 412921	9	41	3	61	.1	23	21	980	4.28	39	5	ND	1	107	1	2	2	142	7.08	.094	4	121	2.13	21	.01	2	2.90	.01	.25	1	55
FX 412922	7	46	6	38	.2	17	13	1026	2.80	21	5	ND	2	144	1	2	2	119	13.68	.055	4	91	1.52	59	.01	2	2.46	.01	.46	1	17
FX 412923	7	139	5	60	.1	30	23	1033	4.71	28	5	ND	2	107	1	2	2	154	8.91	.095	5	148	2.40	50	.01	3	3.84	.01	.39	1	27
FX 412924	14	249	12	68	.1	36	27	1186	5.54	64	5	ND	1	102	1	2	2	172	5.44	.112	6	170	2.54	31	.01	10	3.81	.01	.31	2	68
FX 412925	8	77	9	40	.1	22	16	1538	3.23	60	5	ND	2	155	1	2	2	126	14.51	.073	6	110	1.53	156	.01	6	2.87	.01	.66	1	25
FX 412926	9	252	3	81	.1	41	32	1400	5.92	79	5	ND	1	110	1	2	2	184	6.53	.127	6	185	3.32	24	.01	2	4.43	.02	.24	1	53
FX 412927	6	201	11	56	.3	27	20	1586	3.61	60	5	ND	3	166	1	2	2	133	15.34	.087	5	127	2.15	163	.01	2	3.52	.01	.77	1	79
FX 412928	8	328	9	78	.2	35	29	1209	5.67	67	5	ND	2	129	1	2	2	174	7.80	.112	6	171	2.92	26	.01	12	3.75	.01	.16	1	64
FX 412929	12	151	10	84	.1	44	34	1149	6.28	74	5	ND	2	83	1	2	2	176	4.21	.136	7	187	3.21	40	.02	3	3.97	.01	.19	1	48
FX 412930	20	93	4	56	.1	25	20	478	3.89	39	5	ND	1	48	1	2	2	124	6.22	.090	5	135	2.03	66	.01	2	3.58	.01	.57	1	80
FX 412931	8	246	11	69	.1	35	28	1353	5.02	51	5	ND	1	153	1	2	2	148	12.47	.107	7	160	2.47	79	.01	9	4.45	.01	.48	1	16
FX 412932	8	481	2	72	.1	37	28	1296	5.98	74	5	ND	2	118	1	2	2	140	8.86	.129	7	155	2.59	20	.02	2	3.26	.02	.22	1	55
FX 412933	7	95	6	51	.1	20	17	1133	3.18	31	5	ND	1	139	1	2	2	108	10.89	.076	4	85	1.65	15	.01	7	2.75	.01	.43	1	26
FX 412934	4	94	8	33	.1	10	10	400	1.91	16	5	ND	2	40	1	2	2	95	7.93	.044	3	39	1.07	70	.01	17	2.85	.01	.74	1	13
FX 412935	21	53	8	41	.2	9	12	741	2.92	74	5	ND	1	43	1	2	2	85	3.17	.090	4	11	1.58	92	.01	2	3.35	.01	.76	1	65
FX 412936	24	33	13	39	.1	5	16	628	3.50	92	5	ND	1	24	1	2	2	85	1.14	.122	8	11	1.60	50	.01	12	2.71	.01	.48	2	35
FX 412937	9	59	7	47	.2	15	15	657	3.32	36	5	ND	1	20	1	3	2	77	.94	.096	5	27	1.78	49	.01	14	2.65	.01	.42	1	17
FX 412938	7	64	5	54	.1	15	16	612	3.55	51	5	ND	1	20	1	3	2	78	.76	.077	4	44	1.99	43	.01	2	2.76	.01	.36	1	11
FX 412939	8	47	6	35	.1	11	11	279	2.23	25	5	ND	1	10	1	2	2	55	.23	.063	2	15	1.10	31	.01	6	1.44	.01	.24	1	15
FX 412940	10	76	5	68	.1	22	20	895	4.08	24	5	ND	1	32	1	3	3	89	1.02	.091	4	37	2.41	31	.01	5	2.79	.01	.27	1	26
FX 412941	12	80	8	51	.1	16	15	423	3.47	28	5	ND	1	19	1	2	2	89	1.16	.099	5	25	1.62	53	.01	6	3.56	.01	.46	1	31
FX 412942	7	73	3	50	.2	15	13	363	3.02	11	5	ND	1	12	1	2	2	89	1.27	.067	5	28	1.63	112	.01	5	2.91	.01	.52	1	12
FX 412943	18	52	10	51	.1	6	16	465	3.46	29	5	ND	2	12	1	3	2	52	.42	.154	6	8	1.66	48	.01	2	2.31	.01	.36	1	124
FX 412944	14	52	5	48	.1	13	17	406	3.86	40	5	ND	1	17	1	2	3	82	.42	.114	6	40	1.49	43	.01	10	2.49	.01	.34	1	21
FX 412945	13	40	9	36	.1	10	10	272	2.26	20	5	ND	1	10	1	3	2	57	.37	.077	4	20	1.02	65	.01	2	1.72	.01	.37	3	20
FX 412946	10	23	10	31	.2	8	8	110	1.92	11	5	ND	4	17	1	2	2	24	.09	.017	35	8	.59	13	.01	5	1.26	.01	.30	3	13
FX 412947	11	22	13	36	.1	10	9	113	2.11	19	5	ND	3	19	1	2	2	23	.10	.021	40	8	.66	17	.01	8	1.37	.01	.31	1	7
FX 412948	16	50	12	55	.2	28	16	234	3.26	45	5	ND	3	24	1	3	2	43	.33	.059	31	24	1.09	24	.01	8	2.20	.01	.39	2	32
FX 412949	10	38	7	46	.1	18	15	244	2.60	44	5	ND	1	16	1	2	2	55	.49	.046	12	27	.96	24	.01	11	1.94	.01	.38	3	77
FX 412950	6	25	2	31	.1	14	9	129	1.70	29	5	ND	1	13	1	2	2	31	.16	.034	11	18	.51	12	.01	6	1.07	.01	.27	1	13
FX 412951	10	30	8	37	.2	16	9	115	1.78	39	5	ND	2	12	1	2	2	34	.19	.037	10	19	.48	49	.01	3	1.00	.01	.25	1	48
STD C/AU-R	18	63	44	132	6.6	71	31	1023	3.78	40	21	7	37	51	18	18	18	59	.46	.089	38	56	.85	179	.07	33	1.79	.06	.13	12	520

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 412952	8	28	4	25	.2	13	6	105	1.51	28	5	ND	1	10	1	2	2	31	.20	.025	8	19	.32	22	.01	2	1.05	.01	.32	1	31
FX 412953	21	30	2	23	.1	16	6	132	1.56	34	5	ND	1	8	1	2	2	37	.26	.024	4	23	.31	47	.01	18	.95	.01	.26	2	54
FX 412954	13	46	8	40	.3	44	13	135	4.09	66	5	ND	2	18	1	2	3	102	.42	.062	4	310	.75	25	.03	21	2.12	.01	.17	3	19
FX 412355	8	32	5	32	.1	19	7	91	2.16	39	5	ND	1	16	1	2	2	59	.38	.038	4	22	.49	18	.01	18	1.70	.01	.43	2	53

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Epi, B.C.
BH 72481
Fx 412956-413050

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-P3 CORE P4 SLUDGE AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 16 1989 DATE REPORT MAILED: May 24/89 SIGNED BY. C. Leong ..D.TOYE. C.LEONG. J.WANG; CERTIFIED B.C. ASSAYERS

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 412956	39	76	2	60	.1	27	15	167	3.86	55	5	ND	1	58	1	2	2	104	.59	.047	5	68	.92	66	.01	4	1.98	.01	.16	1	22
FX 412957	30	100	6	70	.2	44	43	1103	4.23	41	5	ND	1	154	1	3	2	121	7.10	.056	7	103	1.46	36	.01	4	1.86	.02	.09	1	14
FX 412958	20	129	4	82	.4	49	29	1071	6.01	34	7	ND	4	181	1	3	2	130	6.30	.083	8	201	1.95	44	.02	2	2.21	.02	.12	1	4
FX 412959	30	162	8	72	.1	49	22	347	6.45	104	5	ND	1	75	1	5	2	130	.95	.065	10	189	1.61	62	.01	2	1.96	.03	.06	3	25
FX 412960	23	136	8	89	.1	51	22	476	5.46	200	6	ND	4	65	1	11	3	114	1.32	.053	10	154	1.82	112	.01	2	1.86	.03	.12	3	78
FX 412961	34	88	5	90	.2	37	13	330	6.33	75	5	ND	1	56	1	2	2	93	1.26	.040	9	117	1.13	206	.01	4	1.59	.02	.13	1	43
FX 412962	10	116	6	108	.2	62	39	1128	4.10	55	5	ND	1	170	1	2	2	90	8.26	.055	6	76	2.54	30	.01	4	1.37	.03	.05	1	9
FX 412963	7	117	9	75	.3	28	24	724	4.10	19	5	ND	1	123	1	2	2	95	5.24	.055	7	83	3.00	32	.01	4	1.53	.03	.09	1	29
FX 412964	13	114	7	104	.3	37	22	735	5.75	25	5	ND	1	165	1	2	2	91	5.35	.054	7	62	1.62	50	.01	7	1.95	.02	.11	1	71
FX 412965	9	76	2	55	.1	30	19	1086	5.79	14	5	ND	1	360	1	2	2	107	10.64	.038	7	66	2.25	16	.01	5	2.51	.01	.03	1	21
FX 412966	6	61	2	45	.3	23	15	988	4.70	30	5	ND	1	337	1	2	2	94	10.62	.033	8	60	1.86	12	.01	6	2.15	.01	.04	1	30
FX 412967	6	120	5	62	.2	30	21	796	4.79	80	5	ND	1	208	1	2	2	107	9.55	.050	7	72	1.86	13	.01	3	2.14	.02	.07	1	21
FX 412968	3	126	5	98	.3	32	20	972	4.31	13	8	ND	3	196	1	2	2	122	7.26	.058	9	102	2.84	23	.01	5	2.53	.02	.10	1	10
FX 412969	1	137	4	99	.3	33	22	998	4.24	18	7	ND	3	163	1	2	2	128	7.67	.058	8	92	2.40	15	.03	7	2.19	.02	.09	1	7
FX 412970	4	133	4	92	.1	30	21	964	4.71	23	5	ND	1	198	1	2	3	129	7.83	.050	6	91	2.31	14	.01	3	2.24	.02	.03	1	13
FX 412971	1	85	2	141	.2	28	22	946	4.01	19	7	ND	2	169	1	2	2	109	8.02	.060	8	77	1.81	12	.03	2	1.94	.02	.10	1	11
FX 412972	68	102	3	40	.1	20	17	1001	3.37	22	5	ND	1	211	1	2	2	92	10.34	.043	6	56	1.59	7	.01	2	1.78	.01	.06	1	19
FX 412973	2	103	3	97	.4	32	23	769	4.09	18	9	ND	4	170	1	2	2	117	7.84	.062	6	92	2.20	14	.02	4	2.24	.03	.09	2	10
FX 412974	4	122	2	66	.4	35	26	765	4.02	24	6	ND	2	166	1	3	2	115	9.93	.058	5	86	1.58	16	.06	5	1.36	.04	.09	1	13
FX 412975	3	133	4	59	.1	38	24	676	4.06	6	7	ND	3	111	1	3	2	93	6.91	.062	4	79	1.73	21	.09	6	1.95	.04	.10	1	25
FX 412976	7	105	2	58	.1	32	21	576	3.89	13	5	ND	1	90	1	2	2	103	6.84	.061	3	94	1.84	9	.09	6	2.53	.02	.05	1	14
FX 412977	4	87	5	55	.3	44	23	642	3.48	13	7	ND	4	112	1	2	2	92	7.67	.053	4	131	1.93	13	.08	3	2.02	.03	.11	1	8
FX 412978	15	135	4	60	.3	39	22	733	3.98	11	5	ND	1	158	1	2	2	105	9.13	.050	3	128	2.01	17	.07	4	1.86	.03	.07	1	91
FX 412979	2	123	5	67	.1	31	25	888	4.17	13	5	ND	1	130	1	2	2	111	7.87	.053	4	117	1.92	82	.08	5	2.08	.03	.06	1	20
FX 412980	1	84	3	85	.1	28	18	678	3.18	11	9	ND	4	174	1	2	2	93	9.55	.056	5	92	1.79	15	.07	6	1.72	.03	.09	3	8
FX 412981	1	106	2	54	.1	34	21	588	3.63	6	5	ND	1	160	1	2	2	114	9.73	.063	4	98	1.65	21	.09	4	1.90	.04	.10	1	5
FX 412982	7	95	4	65	.2	35	22	697	4.43	20	6	ND	2	212	1	2	2	144	10.05	.064	6	124	1.97	15	.08	2	2.24	.03	.09	1	20
FX 412983	52	93	4	96	.1	31	19	740	4.08	27	5	ND	1	200	1	2	2	128	10.81	.061	5	113	1.90	13	.05	2	2.12	.03	.07	1	13
FX 412984	5	85	3	71	.1	27	17	522	3.28	11	5	ND	1	144	1	2	3	93	7.34	.059	4	81	1.50	25	.10	2	1.69	.04	.09	1	5
FX 412985	14	122	3	60	.3	30	20	452	3.93	6	5	ND	1	101	1	2	2	94	4.16	.063	4	85	1.65	29	.11	2	1.72	.05	.09	1	4
FX 412986	5	184	4	76	.4	30	21	589	4.54	5	8	ND	5	137	1	2	2	149	6.52	.063	6	122	2.49	54	.17	6	2.84	.05	.14	2	3
FX 412987	13	141	4	81	.2	29	21	675	4.96	14	5	ND	1	129	1	3	2	127	4.77	.065	4	96	2.46	37	.12	2	2.29	.05	.10	1	25
FX 412988	63	112	7	66	.1	34	24	597	3.73	11	5	ND	1	122	1	2	2	98	6.45	.070	5	81	2.05	21	.08	6	1.97	.04	.09	1	18
FX 412989	17	86	6	56	.1	35	21	671	3.72	31	5	ND	2	183	1	2	2	99	10.34	.057	5	102	1.77	19	.03	5	1.91	.02	.08	1	18
FX 412990	7	123	4	96	.1	29	17	768	6.51	22	5	ND	1	275	1	2	2	138	11.65	.062	8	104	2.24	13	.01	3	2.59	.03	.01	1	10
FX 412991	25	85	6	91	.1	31	20	800	3.99	34	10	ND	5	243	1	4	2	71	11.78	.052	9	61	1.57	16	.01	6	1.59	.02	.17	2	11
STD C/AU-R	19	63	41	134	7.5	74	31	1030	4.09	41	16	8	40	53	19	16	22	63	.50	.092	40	60	.92	183	.07	35	1.97	.06	.16	13	505

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 412992	27	153	4	94	.4	38	24	1006	4.97	24	5	ND	1	204	1	2	2	126	10.79	.057	5	118	2.30	31	.01	6	2.39	.02	.13	1	20
FX 412993	41	146	6	116	.3	44	27	767	3.93	37	5	ND	1	176	1	2	2	127	7.43	.064	3	113	2.42	31	.10	2	2.08	.04	.05	1	9
FX 412994	25	57	4	129	.1	31	23	1027	4.23	63	5	ND	1	496	1	2	2	80	14.48	.041	4	69	1.80	76	.02	7	1.46	.02	.11	1	5
FX 412995	43	152	5	142	.3	55	33	664	3.34	35	5	ND	1	109	1	2	2	95	6.91	.062	3	86	1.74	7	.10	2	1.50	.03	.04	1	5
FX 412996	45	182	2	86	.2	40	24	1086	4.70	32	5	ND	1	259	1	2	2	149	11.07	.051	5	110	2.74	27	.01	2	2.46	.02	.07	1	14
FX 412997	27	165	3	90	.2	44	27	1087	3.99	28	5	ND	1	220	1	2	2	134	10.59	.065	6	108	2.17	19	.01	2	2.26	.03	.12	1	7
FX 412998	11	94	5	118	.2	36	19	958	4.20	36	5	ND	1	206	1	2	2	85	11.88	.060	8	58	.97	15	.01	2	1.51	.01	.18	1	12
FX 412999	120	70	2	105	.3	37	23	986	2.29	44	5	ND	1	297	1	2	2	54	14.29	.053	5	47	.64	7	.01	6	.97	.01	.14	1	15
FX 413000	4	74	2	144	.2	46	22	855	3.60	8	5	ND	1	200	1	2	2	121	9.90	.066	4	135	2.51	6	.03	2	2.28	.02	.06	1	9
FX 413001	703	34	8	135	.1	41	23	850	3.38	14	5	ND	1	159	1	2	3	97	11.12	.048	3	101	2.05	9	.04	2	1.37	.01	.02	1	27
FX 413002	11	99	2	100	.4	53	26	717	3.08	16	5	ND	1	225	1	2	2	101	8.46	.055	3	157	2.43	16	.08	2	1.86	.02	.05	1	8
FX 413003	15	126	4	100	.6	66	29	731	4.00	21	5	ND	2	193	1	2	2	116	8.23	.056	4	199	2.48	32	.07	3	2.18	.02	.07	1	14
FX 413004	8	99	2	87	.4	46	21	550	3.77	13	5	ND	1	142	1	2	2	106	5.01	.061	3	160	2.30	152	.15	2	2.20	.05	.44	1	4
FX 413005	46	79	4	106	.5	44	21	967	3.72	16	5	ND	1	245	1	2	2	124	10.04	.047	4	165	2.33	29	.06	2	1.97	.01	.08	1	22
FX 413006	69	125	2	96	.4	68	29	831	3.79	14	5	ND	1	187	1	2	2	121	8.57	.051	4	201	2.53	32	.10	2	2.07	.04	.05	1	8
FX 413007	32	157	2	78	.6	26	24	879	5.70	30	5	ND	1	129	1	2	2	244	4.72	.111	5	60	2.98	42	.12	2	2.69	.03	.12	1	8
FX 413008	23	82	7	61	.5	23	21	789	2.98	145	5	ND	1	225	1	2	2	66	9.23	.095	5	18	.77	34	.01	21	.99	.01	.22	1	25
FX 413009	58	122	13	92	.6	28	24	934	5.68	59	5	ND	1	148	1	2	2	230	5.72	.111	6	55	2.65	137	.08	2	2.91	.02	.57	1	11
FX 413010	16	135	5	82	.9	43	22	840	5.39	37	5	ND	1	112	1	2	2	208	4.36	.097	5	75	2.97	75	.05	3	2.77	.01	.33	1	31
FX 413011	78	142	3	77	.5	27	22	723	4.77	18	5	ND	1	105	1	2	3	196	3.76	.104	4	56	2.52	87	.17	5	2.22	.04	.36	1	7
FX 413012	9	72	6	115	.2	24	20	892	4.10	26	5	ND	1	116	1	2	3	193	5.71	.099	4	59	2.16	58	.16	4	2.18	.03	.23	1	2
FX 413013	169	114	9	85	.4	28	21	817	4.87	31	5	ND	1	105	1	2	2	204	4.71	.111	4	53	2.62	50	.18	2	2.29	.03	.20	1	5
FX 413014	138	130	2	88	.5	37	25	814	4.26	32	5	ND	1	161	1	2	2	152	7.48	.082	4	82	2.17	23	.06	2	1.99	.03	.09	1	11
FX 413015	99	40	3	74	.4	25	14	1119	2.84	49	5	ND	1	434	1	2	2	52	19.26	.030	4	56	1.16	18	.02	2	1.03	.01	.08	1	40
FX 413016	7	125	2	86	.6	34	22	686	3.80	23	5	ND	2	136	1	2	3	136	6.53	.090	4	73	1.94	29	.13	13	2.05	.04	.09	1	9
FX 413017	15	123	2	97	.5	24	21	1012	5.28	24	5	ND	1	190	1	2	2	223	7.24	.105	5	54	2.94	69	.11	2	2.79	.02	.24	1	14
FX 413018	36	133	9	121	.8	30	25	882	5.84	36	5	ND	3	124	1	2	2	246	4.98	.111	4	60	3.49	120	.14	3	3.39	.03	.42	1	4
FX 413019	331	168	2	121	.6	30	24	790	5.42	38	5	ND	1	112	1	2	3	246	3.93	.107	5	64	3.17	122	.22	2	3.10	.04	.84	1	7
FX 413020	26	41	2	35	.2	12	6	376	.87	4	5	ND	1	172	1	2	2	35	12.61	.060	5	6	.86	17	.06	4	1.28	.02	.03	4	1
FX 413021	6	32	5	50	.1	8	6	338	1.15	7	5	ND	1	200	1	2	4	34	13.29	.059	4	9	.58	10	.05	5	1.55	.01	.04	1	5
FX 413022	11	190	6	131	.8	29	22	757	4.91	74	5	ND	1	143	1	2	2	146	8.45	.087	4	71	2.40	21	.10	3	2.38	.03	.10	1	10
FX 413023	13	183	2	89	.5	37	22	475	3.10	30	5	ND	1	91	1	4	2	83	4.67	.067	3	70	1.46	15	.11	5	1.59	.04	.07	3	10
FX 413024	7	51	11	141	.4	30	14	647	4.29	77	5	ND	1	170	1	2	2	85	12.70	.048	4	71	1.26	13	.03	8	1.43	.03	.19	2	8
FX 413025	23	104	2	83	.4	32	19	716	2.86	16	5	ND	1	112	1	2	2	83	6.75	.074	4	80	1.45	21	.09	11	1.74	.04	.07	1	13
FX 413026	4	100	2	76	.4	36	21	731	3.43	143	5	ND	1	204	1	2	2	73	10.94	.056	4	59	1.39	28	.09	7	1.16	.02	.16	1	12
FX 413027	2	75	6	90	.5	34	19	530	2.47	8	5	ND	1	97	1	2	3	77	5.38	.065	3	80	1.24	12	.10	4	1.37	.03	.04	1	5
STD C/AU-R	18	63	43	132	6.6	73	31	1022	3.80	42	20	7	37	51	18	15	24	59	.48	.087	38	56	.87	180	.07	33	1.81	.06	.13	11	535

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413028	13	110	3	109	.3	40	27	633	3.19	9	5	ND	2	109	1	2	2	81	6.43	.063	5	83	1.61	9	.10	5	1.61	.04	.06	1	2
FX 413029	16	191	9	97	.6	34	30	958	5.73	49	5	ND	3	198	1	2	2	199	7.85	.140	6	101	2.66	44	.08	2	2.91	.08	.13	1	11
FX 413030	22	121	3	88	.4	29	25	830	4.58	28	5	ND	3	187	1	2	2	152	7.10	.124	5	77	2.40	50	.10	5	2.31	.05	.15	1	10
FX 413031	11	127	5	97	.1	36	28	1006	5.09	21	5	ND	1	320	1	2	2	148	9.34	.075	5	100	2.63	15	.06	5	2.81	.03	.12	1	7
FX 413032	60	155	3	78	.4	28	28	765	5.15	20	5	ND	4	180	1	2	2	175	5.13	.135	5	83	2.90	38	.14	3	2.74	.09	.12	1	5
FX 413033	61	97	3	57	.1	15	15	922	4.30	12	5	ND	1	155	1	2	2	147	11.45	.097	5	64	2.43	8	.02	6	2.46	.01	.08	1	4
FX 413034	42	157	10	75	.1	29	24	716	4.85	46	5	ND	1	186	1	2	2	177	7.34	.102	6	94	2.67	13	.05	3	2.59	.04	.11	1	13
FX 413035	34	143	9	56	.3	20	19	554	3.60	34	5	ND	2	125	1	2	2	120	12.56	.083	7	18	1.92	14	.01	7	2.12	.01	.15	1	12
FX 413036	32	79	4	59	.2	19	12	416	2.19	18	5	ND	2	217	1	2	4	60	13.52	.087	8	23	1.12	9	.05	15	1.95	.02	.03	1	95
FX 413037	40	102	9	52	.4	22	11	326	1.79	9	5	ND	1	177	1	2	2	56	11.06	.062	6	11	.89	8	.07	7	1.72	.02	.03	1	25
FX 413038	19	33	5	53	1.2	13	11	351	1.82	11	5	ND	3	131	1	2	2	69	8.08	.047	4	13	.76	12	.09	8	1.00	.03	.05	1	78
FX 413039	43	59	6	64	.4	17	13	458	2.29	16	5	ND	2	146	1	3	2	89	6.85	.052	4	21	1.07	20	.09	6	1.38	.03	.09	1	10

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413040	2	50	16	76	.1	36	19	629	4.52	6	5	ND	1	125	1	2	3	86	2.06	.103	10	45	1.59	87	.30	2	1.85	.20	.15	4	3
FX 413041	2	38	26	62	1.2	27	16	579	3.86	5	5	ND	1	131	1	2	2	80	2.29	.089	8	36	1.37	101	.25	5	1.39	.10	.15	2	7
FX 413042	2	51	7	74	.2	33	19	651	4.37	8	5	ND	1	136	1	2	2	86	2.50	.095	10	41	1.50	110	.26	3	1.87	.10	.18	2	5
FX 413043	2	52	9	82	.2	34	20	700	4.64	11	5	ND	1	162	1	2	2	93	2.68	.099	11	44	1.68	130	.28	2	2.26	.14	.20	2	11
FX 413044	2	58	17	82	.6	41	20	688	4.34	14	.5	ND	3	146	1	2	2	83	2.48	.089	11	45	1.64	145	.23	8	2.17	.09	.20	1	8
FX 413045	2	52	14	76	.2	34	18	631	3.91	9	5	ND	2	154	2	2	2	79	2.42	.081	11	43	1.50	149	.22	2	2.22	.12	.21	2	6
FX 413046	1	53	19	52	.1	30	13	464	2.77	3	5	ND	1	185	1	2	2	57	1.78	.073	9	26	1.02	122	.17	4	1.46	.21	.15	1	5
FX 413047	2	33	11	38	.1	21	10	341	1.98	2	5	ND	1	155	1	2	2	46	1.26	.056	7	21	.69	102	.13	2	.95	.17	.12	1	6
FX 413048	2	33	14	35	.3	18	8	277	1.70	2	5	ND	1	157	1	2	2	41	.97	.049	6	17	.51	100	.12	2	.66	.10	.08	1	3
FX 413049	4	61	13	77	.1	30	15	447	3.53	20	5	ND	1	111	2	2	2	75	1.40	.072	8	30	1.03	209	.19	2	1.24	.10	.13	24	10
FX 413050	3	53	14	53	.2	24	12	323	2.75	19	5	ND	1	116	1	2	2	59	1.07	.053	9	21	.78	104	.13	15	1.49	.13	.12	1	14
STD C/AU-R	18	62	38	132	7.2	72	30	961	3.72	39	22	7	37	50	18	15	22	58	.45	.088	38	55	.84	178	.07	32	1.80	.06	.13	11	515

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-[illegible]16

GEOCHEMICAL ANALYSIS CERTIFICATE

Epi, B.C.
BH 72482
FX 413051 - 099

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 18 1989 DATE REPORT MAILED: May 23/89 SIGNED BY C. Leong ..D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

INCO GOLD COMPANY File # 89-1123 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413051	6	159	10	86	.2	22	29	927	6.08	23	5	ND	1	139	1	2	4	197	7.76	.089	5	21	1.40	42	.07	2	2.22	.03	.21	1	13
FX 413052	6	193	12	77	.3	18	24	848	5.58	25	5	ND	1	166	2	2	2	191	10.13	.083	6	22	1.38	81	.06	2	2.89	.02	.39	1	11
FX 413053	4	201	2	70	.1	20	27	916	5.22	21	5	ND	1	216	1	2	2	191	9.96	.093	4	22	1.34	54	.09	3	2.61	.07	.32	1	13
FX 413054	12	130	10	61	.2	18	21	731	4.86	21	5	ND	1	143	1	2	2	155	8.85	.073	6	20	1.31	37	.03	4	1.94	.01	.26	1	9
FX 413055	4	183	10	81	.6	19	26	872	5.62	14	5	ND	1	179	2	2	2	192	8.66	.097	3	21	1.59	72	.12	3	2.66	.07	.37	1	1
FX 413056	8	168	12	88	.5	23	23	785	5.37	33	5	ND	1	159	2	2	2	186	10.57	.087	6	21	1.39	37	.03	2	2.57	.02	.18	1	17
FX 413057	9	136	15	63	.1	19	22	883	4.83	34	5	ND	1	136	1	2	4	153	8.10	.091	8	51	1.45	44	.06	2	2.72	.02	.16	1	14
FX 413058	190	26	2	8	.9	8	3	381	.68	7	5	ND	1	47	1	2	4	24	4.26	.006	2	12	.21	697	.01	3	.42	.02	.09	1	55
FX 413059	10	105	2	84	.1	21	19	1033	5.08	10	5	ND	1	96	1	2	3	152	5.47	.091	5	116	1.69	51	.10	2	1.92	.03	.31	1	6
FX 413060	6	208	13	88	.4	31	29	615	6.79	41	5	ND	1	123	1	2	3	131	5.38	.090	5	77	2.02	46	.04	2	3.68	.02	.20	1	13
FX 413061	6	151	9	64	.3	27	27	896	4.18	18	5	ND	1	209	1	2	2	146	11.41	.071	2	48	1.33	76	.14	5	1.74	.10	.27	1	4
FX 413062	9	166	10	70	.8	32	28	867	4.85	12	5	ND	1	180	2	2	2	168	10.50	.073	2	62	1.58	108	.19	2	1.92	.09	.42	1	5
FX 413063	17	170	4	69	.6	30	29	998	5.00	32	5	ND	1	195	2	2	2	180	10.80	.071	2	62	1.78	37	.14	2	2.00	.05	.16	1	15
FX 413064	2	167	11	54	.4	39	33	826	4.51	7	5	ND	1	151	1	2	4	127	7.58	.072	2	60	1.41	28	.15	2	1.63	.08	.13	1	9
FX 413065	8	164	10	73	.4	30	25	776	6.35	32	5	ND	1	155	2	2	4	170	8.56	.077	4	76	1.81	27	.06	3	2.63	.03	.10	1	10
FX 413066	6	161	3	81	.8	33	28	885	5.93	38	5	ND	1	152	2	2	2	175	8.78	.068	3	72	1.96	19	.14	2	2.06	.05	.10	1	13
FX 413067	9	190	5	65	.6	37	32	653	5.35	18	5	ND	1	120	1	2	2	146	5.28	.074	2	69	1.84	78	.17	2	2.11	.10	.27	1	4
FX 413068	11	163	2	59	.3	35	27	840	4.63	24	5	ND	1	184	2	2	3	130	10.71	.062	2	65	1.37	30	.14	4	1.44	.06	.12	1	17
FX 413069	11	160	5	54	.7	38	30	862	4.40	17	5	ND	2	161	2	2	2	128	10.49	.068	2	70	1.32	31	.13	2	1.52	.05	.15	1	8
FX 413070	98	155	7	60	.7	32	25	817	4.64	51	5	ND	1	136	2	2	3	136	8.14	.050	3	70	1.55	39	.11	2	1.50	.02	.12	1	11
FX 413071	16	184	8	70	.6	44	40	1185	4.43	48	5	ND	1	184	2	2	2	140	11.10	.059	3	78	1.57	87	.13	5	1.71	.06	.29	1	1
FX 413072	31	165	2	112	.4	34	25	749	7.60	42	5	ND	1	120	2	2	4	184	7.42	.070	5	94	2.17	86	.05	2	3.13	.03	.40	1	23
FX 413073	7	158	10	81	.5	40	30	906	4.82	12	5	ND	1	139	2	2	2	149	9.58	.061	2	78	1.75	113	.17	6	1.52	.04	.38	1	1
FX 413074	11	163	15	60	.4	40	29	860	4.60	10	5	ND	1	146	2	2	2	135	8.90	.066	2	84	1.85	48	.15	7	1.67	.05	.15	1	7
FX 413075	3	117	9	61	.6	35	26	727	4.86	17	5	ND	1	151	2	2	4	123	8.10	.058	2	79	1.83	48	.13	6	1.94	.05	.14	1	17
FX 413076	7	141	21	57	.8	41	31	676	4.37	7	5	ND	1	142	1	2	3	110	6.91	.058	2	67	1.57	31	.13	5	1.68	.06	.09	1	1
FX 413077	30	176	16	89	1.0	32	24	615	5.75	40	5	ND	1	87	2	2	4	165	5.14	.089	7	70	1.82	26	.02	2	2.54	.02	.18	1	18
FX 413078	107	179	8	73	.8	38	31	837	4.98	23	5	ND	1	172	2	2	4	124	9.71	.061	2	67	1.55	17	.12	4	1.69	.04	.08	1	6
FX 413079	11	108	2	77	.4	24	16	1107	5.98	11	5	ND	1	243	2	2	2	139	10.90	.051	3	76	2.06	15	.08	2	2.29	.02	.11	1	16
FX 413080	29	185	10	80	.5	43	33	869	5.03	24	5	ND	1	151	2	2	2	145	7.90	.064	2	86	2.01	56	.15	2	1.89	.04	.16	1	17
FX 413081	199	109	12	95	1.5	33	23	831	5.34	37	5	ND	1	271	2	2	3	152	11.12	.052	5	99	2.21	61	.05	2	2.33	.02	.20	1	31
FX 413082	9	140	11	108	.7	50	30	1041	5.14	49	5	ND	1	168	2	2	2	156	9.85	.053	3	122	2.74	83	.14	2	2.17	.03	.23	1	9
FX 413083	6	143	10	64	.5	49	33	779	4.81	18	5	ND	1	180	2	2	2	143	9.47	.057	2	103	2.07	39	.14	6	1.86	.07	.13	1	2
FX 413084	20	103	6	86	.4	24	15	1368	5.09	29	5	ND	1	309	2	2	2	137	17.82	.037	3	70	1.94	172	.07	9	2.15	.03	.38	1	12
FX 413085	2	138	3	76	.6	47	34	1045	5.23	40	5	ND	1	232	2	2	2	169	11.04	.061	2	115	2.66	36	.12	2	2.43	.05	.11	1	14
FX 413086	23	124	7	89	.6	46	27	876	6.01	45	5	ND	1	242	1	2	13	174	10.44	.053	5	142	2.25	23	.03	2	2.68	.02	.09	1	33
STD C/AU-R	18	63	41	132	7.1	71	30	1021	3.77	38	20	7	36	51	18	16	23	59	.47	.088	38	52	.84	171	.07	34	1.80	.06	.13	11	530

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413087	2	134	44	69	2.9	68	56	1173	4.61	61	5	ND	1	212	2	2	2	164	11.47	.061	4	142	2.39	25	.09	2	2.84	.03	.07	1	6
FX 413088	19	99	5	77	.8	41	20	1058	5.21	58	5	ND	2	171	2	2	2	146	14.39	.049	4	109	2.03	23	.02	2	2.23	.02	.08	1	6
FX 413089	207	54	7	43	1.4	21	8	330	3.07	60	5	ND	1	52	1	4	2	98	6.18	.023	4	53	1.05	89	.01	2	1.96	.01	.23	2	187
FX 413090	41	148	10	109	1.6	54	32	831	5.65	59	5	ND	1	133	2	2	3	169	9.08	.058	4	168	2.51	17	.04	2	3.30	.03	.08	1	16
FX 413091	26	121	5	99	.6	41	26	933	4.67	52	5	ND	1	187	1	2	2	141	13.20	.045	4	111	1.90	26	.04	7	2.42	.02	.10	1	10
FX 413092	4	137	9	73	.7	45	30	1084	4.02	13	5	ND	2	180	1	2	2	131	12.74	.048	3	105	2.35	24	.10	2	2.10	.04	.08	1	10
FX 413093	19	131	11	95	1.2	53	27	1072	5.90	37	5	ND	2	157	1	2	2	164	13.75	.048	5	134	2.19	16	.04	2	2.60	.03	.07	1	13
FX 413094	12	148	9	77	.6	59	32	833	4.78	22	5	ND	1	128	2	2	2	125	10.32	.056	3	127	1.90	24	.12	4	2.02	.02	.07	1	9
FX 413095	51	113	7	90	.6	26	20	717	5.64	49	5	ND	1	123	1	2	2	144	8.32	.096	9	59	2.10	20	.03	2	2.91	.02	.13	1	21
FX 413096	53	156	3	116	.6	59	35	1003	5.01	63	5	ND	1	158	2	2	2	161	11.38	.055	3	138	2.08	12	.12	2	2.45	.03	.07	1	1
FX 413097	17	154	5	123	.7	57	26	722	6.44	39	5	ND	2	162	2	2	2	163	9.61	.059	3	154	2.51	16	.14	6	2.98	.03	.10	1	11
FX 413098	4	167	4	81	.7	60	34	650	4.89	13	5	ND	1	144	2	2	2	130	8.89	.057	2	137	1.83	35	.16	2	2.03	.05	.15	1	4
FX 413099	2	143	6	57	.4	59	32	573	4.23	9	5	ND	1	153	1	2	2	104	8.85	.058	2	120	1.57	32	.13	2	1.80	.07	.12	1	6
STD C/AU-R	18	62	41	133	7.1	73	31	962	3.77	40	20	7	36	50	18	14	22	58	.47	.086	38	55	.85	174	.07	34	1.89	.06	.13	12	520

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Epi, B.C
BH 72482
FX 413100-125
FX 413270-351

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-P3 CORE P4 ROCK AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 29 1989 DATE REPORT MAILED: June 9/89. SIGNED BY. C. Leong ...D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

INCO GOLD COMPANY File # 89-1239 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413100	5	121	16	44	.1	47	29	465	4.01	6	5	ND	1	109	1	2	11	86	7.10	.050	2	79	1.11	20	.09	5	1.14	.05	.07	1	8
FX 413101	102	171	19	73	.2	40	21	599	5.04	38	5	ND	1	91	1	2	2	139	6.90	.049	4	119	1.88	30	.07	2	2.91	.02	.26	1	67
FX 413102	2	124	8	55	.3	49	28	608	4.17	14	5	ND	1	142	2	2	3	95	9.34	.052	2	92	1.50	43	.11	10	1.32	.06	.13	1	5
FX 413103	13	89	9	58	.1	39	25	805	3.83	33	5	ND	1	186	1	2	2	113	13.06	.039	2	96	1.82	40	.07	2	1.86	.01	.14	1	8
FX 413104	10	131	12	73	.3	52	31	791	5.51	23	5	ND	1	187	1	2	2	140	10.32	.053	2	125	2.51	75	.13	2	2.28	.04	.19	1	12
FX 413105	99	161	10	91	.7	52	33	844	6.76	61	5	ND	1	94	1	2	2	161	6.84	.059	4	159	3.15	34	.05	2	3.38	.02	.18	1	54
FX 413106	6	158	13	87	.2	53	32	823	5.81	35	5	ND	1	126	1	2	2	147	7.30	.055	2	127	2.65	26	.13	2	2.41	.04	.10	1	7
FX 413107	14	180	13	83	.2	49	31	701	5.37	39	5	ND	1	125	2	2	2	131	7.30	.057	2	113	2.15	39	.11	2	2.03	.03	.14	1	14
FX 413108	1	140	13	71	.3	48	31	642	5.15	18	5	ND	1	111	1	2	2	127	6.74	.058	2	105	2.25	34	.13	2	2.00	.06	.12	1	3
FX 413109	1	115	11	73	.1	45	28	529	4.07	11	5	ND	1	102	1	2	2	99	6.64	.057	2	94	1.83	18	.11	2	1.72	.05	.07	1	2
FX 413110	1	115	12	60	.1	33	26	771	4.39	12	5	ND	1	152	1	2	3	107	9.40	.060	2	76	1.85	32	.12	5	1.65	.06	.10	1	3
FX 413111	3	116	11	62	.3	36	23	649	3.84	13	5	ND	1	146	1	2	2	85	9.72	.054	2	74	1.40	34	.09	3	1.38	.05	.08	1	4
FX 413112	5	162	9	88	.1	43	28	632	4.09	15	5	ND	1	193	1	2	2	86	13.03	.043	2	88	1.61	20	.09	2	1.33	.03	.05	1	1
FX 413113	4	134	12	74	.5	53	29	710	5.12	26	5	ND	1	159	1	2	4	124	9.43	.057	3	117	2.14	19	.11	2	1.93	.03	.09	1	5
FX 413114	178	100	12	55	3.2	39	27	702	5.83	38	5	9	1	96	1	2	2	123	5.20	.053	4	103	2.10	29	.02	2	2.33	.01	.11	1	739
FX 413115	6	128	11	47	.1	54	33	594	4.25	16	5	ND	1	156	1	2	2	84	11.23	.049	2	87	1.37	16	.09	3	1.34	.04	.07	1	11
FX 413116	28	183	11	100	.9	45	27	720	8.44	34	5	ND	1	97	1	2	2	150	6.06	.052	7	152	2.57	19	.01	2	3.04	.02	.13	1	21
FX 413117	4	133	10	96	.5	54	32	762	5.53	15	5	ND	1	147	1	2	2	132	9.58	.055	2	136	2.49	47	.10	2	2.13	.04	.12	1	3
FX 413118	3	116	18	81	.3	51	32	886	5.54	17	5	ND	1	195	1	2	2	141	10.62	.059	2	127	2.66	29	.08	8	2.21	.03	.08	1	3
FX 413119	95	126	9	95	.1	47	28	609	8.01	55	5	ND	1	95	1	2	2	172	5.24	.085	4	117	2.34	24	.01	2	2.59	.03	.10	1	6
FX 413120	14	24	10	22	.2	17	4	203	1.45	11	5	ND	1	28	1	2	2	28	1.55	.006	2	28	.34	33	.01	9	.31	.01	.03	3	2
FX 413121	23	131	11	72	.5	59	34	728	5.62	40	5	ND	1	178	1	2	2	139	10.74	.057	4	141	1.92	17	.01	2	2.47	.03	.09	1	2
FX 413122	4	129	7	73	.2	56	33	937	5.43	21	5	ND	1	187	1	2	3	130	12.00	.053	2	148	2.63	21	.07	2	2.21	.03	.08	1	1
FX 413123	4	159	8	101	.5	40	30	964	5.85	26	5	ND	1	205	1	2	2	163	11.28	.061	4	119	3.02	29	.04	2	2.64	.02	.08	1	4
FX 413124	9	107	7	178	.1	41	21	937	7.78	48	5	ND	1	154	1	2	2	150	7.69	.062	5	106	2.80	16	.01	2	3.34	.02	.11	1	11
FX 413125	3	108	11	50	.7	44	34	961	3.94	39	5	ND	2	213	1	6	4	106	13.30	.051	5	127	1.65	16	.01	5	1.89	.01	.09	2	5
FX 413270	25	113	7	110	.1	21	25	1239	7.67	125	5	ND	1	142	1	2	2	104	5.38	.122	15	35	1.72	21	.01	5	1.24	.02	.08	1	13
FX 413271	163	110	10	46	.5	15	18	245	2.29	96	8	ND	2	43	1	8	2	80	.95	.101	15	32	.61	159	.01	3	.77	.02	.09	3	28
FX 413272	53	118	9	94	.1	27	29	563	5.48	94	5	ND	1	68	1	2	2	78	1.34	.100	16	18	1.33	37	.01	2	.78	.02	.05	1	34
FX 413273	103	65	6	90	.4	14	20	656	5.33	179	5	ND	1	72	1	2	2	87	2.55	.067	8	16	1.47	104	.01	2	.60	.02	.05	2	53
FX 413274	91	134	8	84	.1	20	24	481	4.92	190	5	ND	1	67	1	2	2	102	1.45	.143	12	24	1.47	30	.01	3	.93	.03	.07	1	40
FX 413275	90	75	5	147	.5	25	33	999	7.95	49	12	ND	3	58	1	2	2	100	1.45	.071	8	35	1.38	137	.01	5	.66	.02	.09	2	21
FX 413276	149	46	2	67	.1	26	14	378	3.19	199	5	ND	1	39	1	2	2	57	1.52	.040	5	25	.87	18	.01	7	.42	.01	.07	1	98
FX 413277	281	53	2	73	1.0	13	17	281	3.44	135	5	ND	1	24	1	2	2	69	.56	.074	13	8	.46	23	.01	7	.57	.01	.14	1	101
FX 413278	93	32	2	38	.3	21	8	272	2.01	61	7	ND	1	16	1	2	2	49	.47	.030	7	19	.24	26	.01	11	.58	.01	.11	3	61
FX 413279	75	93	6	71	.1	18	25	472	4.70	160	5	ND	1	50	1	2	2	98	1.01	.110	16	12	.94	7	.01	2	.95	.02	.12	1	92
STD C/AU-R	18	59	44	133	6.9	72	30	1029	4.10	37	22	6	37	49	17	17	18	56	.46	.095	36	55	.90	176	.07	33	1.91	.06	.13	11	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413280	12	33	2	72	.1	22	18	293	2.39	35	5	ND	1	38	1	2	2	89	1.38	.064	11	68	.70	76	.01	2	.54	.01	.08	1	19
FX 413281	33	52	2	161	.3	30	28	1023	9.11	47	5	ND	1	92	3	2	2	140	2.68	.051	12	77	1.96	32	.01	3	.64	.03	.07	1	27
FX 413282	75	102	2	89	.1	15	19	403	3.41	148	5	ND	1	56	1	2	2	97	1.67	.142	9	21	1.27	113	.01	2	.73	.02	.07	1	39
FX 413283	246	34	2	97	.5	17	10	343	2.60	27	5	ND	1	37	1	2	2	58	1.17	.035	4	18	.71	114	.01	2	.33	.01	.03	1	35
FX 413284	50	106	2	94	.2	16	26	483	4.64	51	5	ND	1	64	2	2	2	118	1.31	.119	9	33	1.56	27	.01	2	.80	.03	.09	1	19
FX 413285	119	164	2	95	.3	17	30	671	5.03	49	5	ND	1	71	2	2	3	140	2.18	.198	11	24	1.95	18	.01	3	1.18	.03	.05	1	8
FX 413286	80	195	7	102	.3	20	35	842	6.05	116	5	ND	1	74	2	2	2	144	1.75	.172	14	24	2.15	22	.01	6	1.77	.03	.06	1	22
FX 413287	92	147	5	99	.2	14	29	591	4.82	75	5	ND	1	67	2	2	2	139	1.42	.193	11	25	1.86	22	.01	2	1.48	.03	.10	1	27
FX 413288	78	162	4	72	.7	19	29	179	3.34	130	5	ND	1	30	1	2	3	81	.64	.145	12	15	.82	24	.01	14	1.02	.01	.17	1	211
FX 413289	220	143	7	103	.7	18	27	705	4.56	34	5	ND	1	64	2	2	2	104	3.16	.141	9	14	1.40	53	.01	12	1.03	.02	.08	1	110
FX 413290	49	91	2	92	.2	9	19	404	3.85	24	5	ND	1	42	2	2	2	74	1.68	.115	16	10	1.27	78	.01	6	1.16	.02	.17	1	45
FX 413291	121	142	10	83	.3	14	26	769	4.38	8	5	ND	1	78	2	2	2	136	3.64	.225	6	31	1.86	50	.13	2	2.15	.05	.13	1	5
FX 413292	14	117	2	58	.1	14	23	781	3.39	14	5	ND	1	116	2	2	2	104	4.46	.189	7	21	1.33	41	.09	2	1.59	.04	.09	1	2
FX 413293	29	153	2	101	.4	17	33	929	7.44	491	5	ND	1	446	2	2	2	103	3.83	.141	11	34	2.20	13	.01	2	1.66	.03	.06	1	42
FX 413294	60	156	2	142	.4	23	26	1472	4.58	154	5	ND	1	441	2	2	2	110	7.30	.132	8	48	1.50	38	.03	4	1.65	.03	.06	1	9
FX 413295	28	156	4	75	.3	26	31	979	5.08	106	5	ND	2	91	2	2	4	125	2.56	.159	8	53	2.10	72	.04	2	2.07	.04	.10	1	3
FX 413296	25	194	2	96	.3	20	31	718	5.54	74	5	ND	1	82	2	2	2	132	1.88	.163	15	38	2.30	26	.02	13	2.12	.04	.07	1	12
FX 413297	67	182	4	118	.4	24	25	988	4.71	24	5	ND	3	116	2	2	3	172	5.70	.152	15	36	1.73	25	.09	3	2.33	.07	.09	1	4
FX 413298	52	138	2	80	.2	20	21	990	4.25	32	5	ND	1	127	2	2	2	115	7.45	.127	12	25	1.26	20	.08	8	1.96	.06	.11	2	4
FX 413299	127	193	2	62	.3	22	25	1356	5.28	59	5	ND	3	203	2	2	2	112	6.14	.144	22	25	1.89	25	.02	2	1.46	.04	.07	1	4
FX 413300	91	142	2	82	.4	25	23	613	4.94	85	5	ND	1	97	2	2	2	122	1.73	.134	24	36	2.31	15	.01	5	2.18	.05	.06	1	15
FX 413301	178	38	2	76	.1	15	11	159	2.01	42	5	ND	1	466	1	2	3	57	2.21	.067	20	19	1.02	14	.01	2	1.04	.02	.04	1	6
FX 413302	116	181	6	102	.4	23	27	777	6.14	90	5	ND	1	175	2	2	5	188	4.35	.112	17	62	2.65	17	.01	4	2.70	.03	.07	1	22
FX 413303	72	129	11	84	.4	13	19	1144	4.75	51	5	ND	3	216	2	2	2	152	9.46	.079	11	42	2.16	13	.01	3	2.27	.03	.06	1	10
FX 413304	38	171	9	85	.5	18	27	554	5.90	155	5	ND	1	82	2	2	5	173	1.73	.105	24	22	2.50	12	.01	2	2.73	.04	.08	1	13
FX 413305	54	127	8	104	.3	14	21	441	4.91	117	5	ND	1	266	2	3	2	124	1.82	.100	23	16	2.00	8	.01	4	2.21	.04	.08	1	4
FX 413306	37	132	2	82	.3	17	25	509	5.21	140	5	ND	1	80	1	2	3	150	.82	.103	17	17	2.65	10	.01	2	2.51	.05	.05	1	5
FX 413307	48	139	9	86	.2	21	26	567	4.63	146	5	ND	1	83	1	3	2	114	1.19	.111	14	15	2.18	12	.01	2	2.11	.05	.05	1	5
FX 413308	45	128	6	103	.1	17	21	619	4.68	90	5	ND	1	99	2	2	4	104	1.37	.122	20	15	2.28	11	.01	2	1.97	.06	.05	1	3
FX 413309	34	99	5	81	.4	11	16	728	4.77	174	5	ND	1	144	2	2	3	102	3.60	.118	15	15	2.06	11	.01	2	1.86	.05	.06	1	9
FX 413310	128	114	2	77	.2	10	18	934	4.91	47	5	ND	3	160	2	2	4	94	5.31	.112	15	14	1.94	13	.01	2	1.62	.04	.07	1	4
FX 413311	168	91	8	82	.2	12	18	944	4.35	50	5	ND	2	140	2	2	2	109	5.51	.102	20	17	1.96	34	.01	2	2.00	.03	.07	1	17
FX 413312	39	126	5	113	.4	16	24	1265	5.42	19	5	ND	3	219	3	2	2	158	8.09	.110	13	25	2.37	34	.02	2	2.44	.03	.11	1	4
FX 413313	29	163	2	96	.2	16	23	948	4.86	68	5	ND	2	146	2	2	2	112	4.33	.156	17	33	1.83	30	.01	3	1.78	.04	.09	1	12
FX 413314	30	80	6	125	.5	14	20	868	4.69	106	5	ND	2	125	1	2	4	90	4.16	.095	12	16	1.73	14	.01	2	1.70	.04	.08	1	43
FX 413315	46	24	8	53	.1	6	9	282	2.21	110	5	ND	4	49	1	2	2	30	.79	.081	21	9	1.07	17	.01	5	1.00	.03	.13	1	29
STD C/AU-R	19	64	43	133	6.5	74	31	959	3.80	44	18	6	36	52	19	14	24	60	.46	.091	39	56	.88	183	.07	32	1.86	.06	.14	12	530

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
FX 413316	206	13	3	64	.3	9	6	412	2.53	28	5	ND	1	42	1	2	2	18	1.77	.017	7	6	1.02	31	.01	3	.29	.01	.07	1	47
FX 413317	86	66	9	80	.1	11	15	895	4.60	21	5	ND	1	111	1	2	2	79	5.31	.065	9	20	2.47	13	.01	2	1.13	.03	.09	1	12
FX 413318	79	70	10	115	.1	24	26	1118	6.09	25	5	ND	1	170	1	2	2	111	6.19	.066	7	71	2.61	12	.01	4	2.06	.03	.06	1	12
FX 413319	6	107	11	104	.1	65	29	1068	6.00	4	5	ND	2	188	1	2	2	133	5.82	.041	5	205	3.38	26	.02	3	2.85	.03	.09	1	3
FX 413320	14	80	6	109	.1	30	21	1174	4.42	2	5	ND	1	265	1	2	2	99	7.89	.048	4	92	2.31	13	.03	2	1.89	.05	.04	1	1
FX 413321	166	146	12	106	.1	44	38	1031	5.48	46	5	ND	2	133	1	2	2	79	4.59	.056	10	84	2.44	18	.01	5	1.64	.04	.08	1	5
FX 413322	272	133	13	127	.1	50	31	1404	7.25	12	5	ND	1	163	1	2	2	145	6.64	.049	9	147	3.40	51	.04	2	3.21	.03	.23	1	12
FX 413323	15	82	9	76	.2	9	16	889	4.09	11	5	ND	1	83	1	2	2	89	4.26	.062	8	20	1.90	47	.01	2	1.50	.02	.07	1	9
FX 413324	25	91	10	76	.1	7	14	915	4.60	8	5	ND	1	69	1	2	2	97	3.49	.071	8	15	2.61	23	.01	2	1.52	.03	.06	1	5
FX 413325	26	100	6	98	.1	9	18	750	5.13	15	5	ND	1	89	1	2	2	114	2.90	.075	6	19	2.03	8	.01	4	2.06	.04	.07	1	6
FX 413326	74	66	8	56	.1	8	10	519	3.07	9	5	ND	1	64	1	2	2	66	2.47	.042	8	9	1.49	6	.01	2	1.17	.02	.06	1	9
FX 413327	20	114	9	60	.1	9	16	707	4.06	13	5	ND	1	73	1	2	2	101	2.91	.073	7	18	1.42	7	.01	2	1.43	.03	.06	1	5
FX 413328	8	55	2	59	.2	6	14	892	4.09	13	5	ND	1	97	1	2	2	90	4.27	.064	9	13	2.45	8	.01	2	1.11	.03	.04	1	3
FX 413329	43	80	11	71	.1	9	17	852	4.48	7	5	ND	1	87	1	2	2	98	3.66	.072	9	17	1.89	19	.02	2	1.30	.03	.08	1	7
FX 413330	14	90	5	63	.2	8	15	849	4.48	8	5	ND	1	110	1	2	2	102	4.89	.071	8	15	2.20	9	.01	5	1.34	.03	.05	2	4
FX 413331	33	131	9	75	.1	10	19	843	5.08	7	5	ND	1	96	1	2	2	136	3.91	.085	6	14	2.02	30	.04	2	1.81	.03	.09	1	3
FX 413332	66	92	6	68	.1	25	20	739	3.92	3	5	ND	1	156	1	2	2	97	4.40	.062	3	72	1.88	18	.08	2	1.41	.04	.05	1	3
FX 413333	14	76	11	64	.2	29	18	605	2.79	3	5	ND	2	165	1	2	2	73	4.28	.052	2	78	1.52	29	.09	2	1.20	.05	.08	1	1
FX 413334	15	85	7	74	.1	37	26	1016	3.26	20	5	ND	1	1201	1	2	2	70	9.51	.050	4	72	1.75	17	.01	3	1.33	.04	.06	1	1
FX 413335	53	103	4	71	.2	38	25	637	4.01	6	5	ND	1	103	1	2	2	99	3.66	.059	3	74	1.75	52	.10	8	1.58	.04	.09	2	4
FX 413336	14	141	9	132	.2	79	40	1018	8.43	14	5	ND	2	165	1	2	2	171	4.13	.047	5	245	3.98	304	.09	3	4.20	.04	.71	1	8
FX 413337	78	99	4	97	.1	23	20	1083	5.29	23	5	ND	1	135	1	2	2	104	6.37	.054	7	37	2.07	39	.01	2	1.92	.02	.13	1	8
FX 413338	15	72	8	103	.1	38	21	1140	5.22	14	5	ND	1	138	1	2	2	108	6.17	.044	7	135	2.24	35	.01	2	2.05	.02	.12	1	4
FX 413339	11	134	3	86	.1	20	18	917	4.42	16	5	ND	2	157	1	2	2	74	6.06	.076	7	23	1.66	21	.01	4	1.84	.03	.15	1	12
FX 413340	2	57	7	101	.1	15	15	1344	4.11	22	5	ND	2	186	1	2	2	44	9.52	.037	9	17	1.50	8	.01	2	1.05	.01	.12	1	10
FX 413341	4	39	6	130	.3	15	22	1010	3.57	5	5	ND	2	121	1	2	2	85	5.37	.062	7	25	1.46	10	.02	2	1.47	.04	.07	1	6
FX 413342	15	92	8	178	.2	23	27	1193	5.10	21	5	ND	3	168	1	2	2	117	6.70	.055	4	36	2.41	8	.01	2	2.23	.03	.06	1	3
FX 413343	3	117	4	176	.1	22	29	975	5.47	12	5	ND	1	118	1	2	2	112	4.24	.068	3	35	2.34	10	.01	2	2.44	.02	.10	1	8
FX 413344	25	74	2	111	.1	19	22	987	3.35	2	5	ND	1	151	1	2	3	90	6.42	.064	2	31	1.45	26	.06	2	1.32	.04	.06	1	1
FX 413345	38	66	4	125	.2	22	25	1326	3.44	2	5	ND	2	134	1	2	2	90	7.70	.069	4	28	1.69	15	.06	2	1.46	.03	.04	1	1
FX 413346	56	71	7	201	.1	21	31	1028	6.84	166	5	ND	1	92	1	2	2	93	2.95	.049	5	19	2.09	10	.01	3	1.93	.03	.12	1	32
FX 413347	91	68	5	108	.1	16	17	767	2.76	2	5	ND	1	101	1	2	2	79	4.56	.052	2	21	1.40	130	.06	2	1.25	.04	.04	1	1
FX 413348	326	125	8	119	.4	18	25	1101	5.67	13	5	ND	3	98	1	2	3	120	6.39	.041	5	39	2.34	12	.01	2	1.95	.02	.05	1	2
FX 413349	98	71	3	119	.3	21	21	923	4.03	7	5	ND	2	103	1	2	2	96	5.39	.057	2	30	1.96	11	.04	2	1.50	.03	.05	1	2
FX 413350	118	47	2	86	.2	12	15	816	2.64	2	5	ND	1	82	1	2	2	71	4.34	.060	2	16	1.11	23	.07	2	1.05	.03	.05	2	2
FX 413351	4	102	4	63	.1	17	19	677	3.98	3	5	ND	1	57	1	2	2	91	2.37	.077	3	18	1.84	38	.12	4	1.64	.07	.08	1	3
STD C/AU-R	17	60	43	133	6.5	73	30	1016	4.06	35	17	6	36	49	17	16	16	56	.46	.083	36	55	.91	177	.06	33	1.83	.06	.14	11	470

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM
RX 040113	4	7	16	16	.4	675	27	716	2.46	548	5	ND	1	41	1
RX 040114	1	5	4	14	3.3	688	30	607	2.44	556	5	ND	1	439	1
RX 040115	3	8	7	25	.2	1402	48	1165	5.11	1115	5	ND	1	84	1
RX 040116	1	14	8	36	1.1	21	7	412	1.54	147	5	ND	1	8	1
RX 040117	4	9	5	20	.8	21	2	102	.98	44	5	ND	1	10	1
RX 040118	11	1	2	6	.5	5	1	50	.15	5	5	ND	1	4	1
RX 040119	4	170	3	19	.1	16	12	82	2.81	83	5	ND	1	8	1
RX 040120	7	37	16	23	.3	20	8	166	1.64	115	5	ND	1	14	1
RX 040121	3	19	2	8	.1	12	4	212	.63	25	5	ND	1	30	1
RX 040122	2	93	8	28	.1	12	11	261	2.63	48	5	ND	1	23	1
RX 040123	9	141	4	65	.2	9	12	599	2.94	8	5	ND	1	313	1

SAMPLE#	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
RX 040113	10	2	16	.84	.002	2	425	.75	28	.01	6	.17	.01	.01	1	285
RX 040114	19	2	6	7.16	.003	2	234	3.65	21	.01	7	.09	.01	.01	1	1252
RX 040115	33	2	22	1.50	.007	2	212	.70	36	.01	6	.12	.01	.01	3	560
RX 040116	2	2	12	.13	.021	5	15	.04	165	.01	7	.27	.01	.13	1	1550
RX 040117	2	2	4	.03	.007	2	11	.01	265	.01	2	.17	.01	.06	1	425
RX 040118	2	2	2	.02	.001	2	15	.01	41	.01	2	.26	.01	.01	1	17
RX 040119	2	2	32	.27	.054	2	23	.21	43	.01	5	.58	.01	.20	2	214
RX 040120	4	2	59	.47	.010	2	31	.56	63	.01	2	.69	.01	.04	2	66
RX 040121	2	2	12	.78	.001	2	19	.39	111	.01	5	.13	.01	.01	1	10
RX 040122	2	3	86	1.56	.047	8	28	1.08	19	.01	8	.97	.02	.02	1	17
RX 040123	2	2	80	17.31	.085	6	15	1.24	39	.06	2	1.08	.02	.10	2	8

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

Epi, B.C
BH 72482
FX 413126 - 269

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 24 1989 DATE REPORT MAILED: May 29/89 SIGNED BY. C. Leong ..D.TOYE. C.LEONG. J.WANG; CERTIFIED B.C. ASSAYERS

INCO GOLD COMPANY File # 89-1182 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413126	45	116	4	93	.6	43	23	717	6.21	47	5	ND	2	161	1	2	2	131	8.18	.048	5	108	3.06	36	.01	2	2.32	.03	.15	1	27
FX 413127	59	121	2	64	1.0	39	16	483	4.38	87	5	ND	2	136	1	2	2	95	11.63	.037	10	67	1.04	32	.01	8	1.84	.01	.22	1	23
FX 413128	21	173	9	109	.7	55	25	724	6.00	40	5	ND	2	151	1	2	7	150	11.11	.050	6	147	2.24	15	.01	2	3.18	.02	.16	1	10
FX 413129	5	133	7	75	.5	52	30	959	4.64	47	5	ND	3	264	1	2	2	126	14.24	.061	6	130	1.58	15	.01	3	2.21	.01	.13	1	14
FX 413130	15	144	2	75	.6	54	28	838	4.91	28	5	ND	3	223	2	2	2	145	13.51	.050	3	147	2.07	25	.09	2	2.13	.04	.11	1	1
FX 413131	4	277	11	100	.6	53	29	702	5.65	9	5	ND	2	144	2	2	2	136	8.71	.059	3	129	2.46	23	.12	2	2.06	.04	.08	1	1
FX 413132	6	133	4	92	.4	42	21	961	3.90	19	5	ND	2	231	2	2	2	124	14.91	.048	4	110	2.06	15	.06	3	1.82	.02	.06	1	2
FX 413133	6	127	10	82	.4	58	29	738	4.66	32	5	ND	2	207	1	2	2	140	11.61	.053	3	156	2.17	33	.12	4	1.97	.05	.10	1	2
FX 413134	19	123	4	85	.3	50	26	754	4.44	15	5	ND	1	184	2	2	2	124	11.08	.056	3	123	2.08	59	.13	2	1.81	.05	.15	1	1
FX 413135	57	176	7	115	.8	55	31	949	5.63	39	5	ND	4	175	1	3	2	154	10.30	.051	4	171	2.34	40	.10	4	2.62	.02	.16	1	5
FX 413136	7	134	6	91	.3	60	34	702	4.79	21	5	ND	2	169	1	2	2	135	8.60	.054	3	136	2.15	65	.13	3	1.95	.05	.17	1	1
FX 413137	6	128	9	78	.2	50	26	782	4.13	11	5	ND	1	188	1	2	2	105	10.80	.057	2	113	1.97	54	.12	6	1.71	.06	.21	1	1
FX 413138	2	218	6	75	.2	44	25	900	4.06	12	5	ND	1	193	1	2	2	115	11.82	.059	2	107	1.65	66	.12	5	1.65	.05	.28	1	2
FX 413139	7	135	7	115	.3	48	18	920	5.21	26	5	ND	2	176	1	2	2	165	11.06	.062	7	132	2.21	31	.03	2	2.47	.03	.15	1	4
FX 413140	10	123	2	90	.5	46	26	1087	4.97	21	5	ND	2	221	1	2	2	143	13.47	.058	4	133	1.75	23	.04	3	1.36	.02	.13	1	2
FX 413141	21	92	4	64	.2	38	24	1160	4.57	23	5	ND	2	232	1	2	2	132	13.33	.053	3	101	1.87	27	.09	2	1.82	.03	.10	1	1
FX 413142	8	125	9	75	.3	72	34	865	5.46	31	5	ND	2	191	1	2	2	149	10.73	.063	3	135	1.89	41	.13	4	1.81	.04	.15	1	1
FX 413143	16	146	5	74	.7	45	25	716	6.70	30	5	ND	2	191	2	2	2	143	12.39	.061	5	109	1.73	56	.04	2	2.00	.02	.25	1	7
FX 413144	7	146	5	106	.3	65	34	869	4.86	38	5	ND	2	155	1	2	2	150	10.34	.067	3	122	1.89	54	.13	2	1.89	.04	.20	1	1
FX 413145	14	165	8	93	.7	51	29	662	6.88	25	5	ND	4	157	1	3	2	203	7.06	.064	4	132	2.49	40	.06	2	2.59	.02	.16	1	112
FX 413146	7	167	7	96	.4	57	32	740	5.22	9	5	ND	1	137	1	2	2	130	7.92	.049	2	121	2.11	43	.14	2	2.01	.05	.14	1	1
FX 413147	3	111	6	91	.3	25	18	894	5.54	8	5	ND	1	520	1	3	2	144	13.28	.062	4	68	1.81	27	.11	2	2.03	.04	.13	1	1
FX 413148	6	162	9	107	.5	50	35	1027	5.46	30	5	ND	2	184	1	2	2	162	10.00	.067	3	117	2.46	48	.15	12	2.28	.05	.17	2	1
FX 413149	6	144	4	119	.6	50	40	715	6.64	18	5	ND	3	145	2	2	2	166	8.84	.067	6	121	2.56	42	.05	2	2.78	.03	.13	1	10
FX 413150	5	215	7	94	.4	64	35	805	6.23	29	5	ND	3	158	2	2	2	189	6.70	.077	3	110	2.43	54	.14	15	2.07	.05	.13	1	1
FX 413151	3	114	6	111	.5	46	27	1044	7.44	13	5	ND	4	162	2	2	3	216	6.73	.051	2	170	4.02	151	.20	16	3.65	.05	.39	1	1
FX 413152	8	164	10	89	.3	72	40	1155	6.37	28	5	ND	3	217	2	3	2	214	11.10	.063	5	131	2.98	128	.12	2	2.67	.05	.77	1	1
FX 413153	29	150	5	131	.7	97	63	1209	6.29	128	5	ND	2	104	2	3	2	167	5.83	.061	10	117	3.07	84	.02	3	2.41	.03	.21	1	13
FX 413154	23	40	2	40	.4	22	8	485	2.50	16	5	ND	2	81	1	2	2	73	3.59	.020	4	50	1.25	86	.01	2	1.10	.01	.08	2	15
FX 413155	22	67	7	43	.5	29	20	750	2.70	13	5	ND	3	148	1	3	2	77	7.74	.033	4	60	.89	23	.01	2	.81	.01	.09	2	12
FX 413156	24	94	6	63	.2	41	25	874	4.65	40	5	ND	2	190	1	2	2	106	10.16	.047	5	84	1.50	23	.01	9	1.19	.01	.12	1	19
FX 413157	2	135	2	83	.3	45	31	919	5.39	23	5	ND	1	225	1	2	2	136	10.65	.050	6	111	2.46	21	.01	2	2.13	.01	.17	1	20
FX 413158	4	97	4	76	.1	42	21	1157	4.18	11	5	ND	1	243	1	2	2	102	11.49	.039	6	65	2.01	42	.01	2	1.87	.01	.16	1	14
FX 413159	3	114	7	74	.3	45	28	983	4.63	25	5	ND	3	237	1	2	2	143	13.02	.066	6	95	2.20	24	.01	3	2.29	.01	.11	1	8
FX 413160	411	64	9	44	.6	28	17	585	3.29	50	5	ND	2	99	1	2	2	72	5.51	.036	4	51	.96	88	.01	14	1.03	.01	.14	1	27
FX 413161	625	78	8	52	1.0	14	20	838	4.02	22	5	ND	1	158	1	2	2	55	7.88	.063	7	6	1.30	18	.01	2	1.36	.01	.24	1	36
STD C/AU-R	18	62	43	132	5.6	74	30	1021	3.79	41	20	7	37	51	18	15	18	59	.46	.090	38	56	.85	179	.07	31	1.75	.06	.13	12	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413162	114	71	2	93	.1	26	17	660	4.42	19	5	ND	1	110	1	2	2	109	5.72	.037	4	73	1.83	191	.01	2	1.70	.01	.11	1	19
FX 413163	5	135	2	84	.1	41	28	902	5.23	36	5	ND	1	173	1	2	2	144	10.45	.047	5	118	2.10	27	.01	8	2.13	.01	.12	1	13
FX 413164	53	92	6	121	.3	32	20	768	6.31	39	5	ND	2	139	1	2	2	93	7.61	.052	5	54	1.69	64	.01	2	1.73	.01	.18	1	63
FX 413165	34	64	5	71	.6	31	19	968	4.30	20	5	ND	1	183	1	2	2	130	10.52	.043	5	93	1.53	9	.01	3	1.85	.01	.09	1	60
FX 413166	50	65	9	120	.8	43	29	756	5.70	59	5	ND	1	155	1	3	5	131	7.79	.035	5	119	1.98	24	.01	2	2.16	.01	.08	1	33
FX 413167	3	141	7	118	.5	56	34	944	5.23	27	5	ND	2	201	1	2	6	150	10.05	.053	6	200	3.29	25	.02	4	3.05	.01	.08	1	11
FX 413168	5	150	7	103	.4	53	27	794	5.19	37	5	ND	2	205	1	2	5	139	7.10	.045	6	170	2.71	22	.01	2	2.65	.01	.09	1	17
FX 413169	1	102	2	108	.2	55	28	991	5.07	25	5	ND	1	227	1	2	2	147	10.17	.045	5	196	3.11	12	.01	2	2.89	.01	.06	1	12
FX 413170	3	133	4	77	.5	51	27	899	4.59	19	5	ND	2	199	1	2	2	125	8.08	.039	5	163	2.79	16	.01	4	2.57	.01	.08	1	4
FX 413171	2	173	2	116	.5	61	35	920	5.09	26	5	ND	2	186	1	2	4	141	8.15	.053	4	198	2.78	28	.06	3	2.44	.03	.12	1	7
FX 413172	5	195	2	94	.2	56	38	964	5.67	63	5	ND	2	198	1	3	2	129	9.02	.056	6	166	2.30	21	.01	3	2.33	.02	.09	1	103
FX 413173	2	109	7	104	.3	58	31	952	5.31	34	5	ND	2	197	2	2	2	168	7.97	.048	4	187	3.13	10	.01	4	3.19	.01	.07	1	10
FX 413174	31	39	2	46	.3	15	10	248	2.82	15	5	ND	1	23	1	3	2	68	.54	.031	2	31	1.17	15	.01	3	1.07	.01	.08	4	20
FX 413175	48	148	2	79	.4	11	19	815	5.59	11	5	ND	1	60	1	2	2	132	2.99	.080	6	12	2.23	28	.01	5	3.11	.03	.20	1	22
FX 413176	36	125	3	71	.3	12	17	541	4.25	11	5	ND	1	58	1	2	2	141	2.48	.069	5	19	1.60	25	.03	2	1.77	.03	.09	1	18
FX 413177	74	70	2	49	.2	19	16	739	3.39	9	5	ND	1	84	1	2	2	105	4.52	.045	4	46	1.53	21	.02	5	1.78	.02	.10	1	8
FX 413178	6	132	14	100	.3	62	36	1066	5.37	19	5	ND	2	201	1	2	2	159	9.68	.050	6	203	2.81	115	.03	2	3.17	.02	.25	1	3
FX 413179	1	69	2	129	.4	43	26	1300	6.11	36	5	ND	2	253	1	2	2	173	12.69	.034	7	141	3.30	104	.03	2	3.56	.01	.24	1	9
FX 413180	6	132	2	97	.4	60	33	1030	6.01	34	5	ND	3	182	1	2	2	168	8.08	.053	6	210	3.52	48	.03	3	3.28	.02	.18	1	11
FX 413181	139	154	4	104	.5	49	35	1006	6.07	38	5	ND	3	66	1	2	6	130	7.01	.036	15	161	3.33	98	.03	2	2.97	.01	.21	2	19
FX 413182	6	214	2	118	.9	53	30	1156	5.59	96	5	ND	1	173	1	3	2	156	8.51	.060	6	177	3.23	70	.02	2	3.21	.01	.34	1	94
FX 413183	15	119	6	71	.3	10	17	702	4.44	25	5	ND	1	77	1	2	2	146	3.63	.079	6	17	1.83	25	.03	2	2.05	.03	.15	1	18
FX 413184	46	110	10	85	.5	15	22	494	4.58	42	5	ND	1	51	1	2	2	96	2.35	.052	7	12	1.53	43	.01	4	1.89	.01	.17	2	24
FX 413185	2	97	2	66	.1	12	17	811	4.98	29	5	ND	1	98	1	2	4	126	4.24	.080	6	16	2.06	31	.02	2	2.93	.03	.29	1	11
FX 413186	6	80	3	70	.2	9	15	718	4.13	14	5	ND	3	83	1	2	2	139	3.59	.074	6	13	1.79	42	.04	3	1.89	.04	.21	2	10
FX 413187	3	101	2	66	.1	9	16	709	4.37	16	5	ND	1	77	1	2	2	138	2.66	.072	5	13	2.15	18	.03	5	2.22	.03	.12	1	13
FX 413188	29	119	5	68	.1	22	21	759	5.13	16	5	ND	1	88	1	2	2	129	4.02	.052	7	78	2.13	125	.01	7	2.13	.02	.13	1	16
FX 413189	10	81	3	63	.1	9	14	672	3.47	11	5	ND	1	85	1	2	2	112	3.78	.066	5	12	1.51	26	.03	3	1.68	.03	.15	2	8
FX 413190	4	69	2	57	.1	9	15	586	3.53	7	5	ND	1	63	1	2	2	118	2.95	.075	5	14	1.80	95	.04	11	1.37	.03	.21	1	9
FX 413191	51	63	4	42	.2	11	12	523	3.41	18	5	ND	1	56	1	2	2	89	2.85	.047	6	11	2.02	141	.01	2	1.14	.01	.14	2	24
FX 413192	7	103	2	72	.1	9	16	639	3.77	30	5	ND	1	52	1	2	3	121	2.94	.073	4	13	2.13	51	.02	2	1.29	.03	.08	1	29
FX 413193	29	68	6	62	.4	11	13	651	3.96	13	5	ND	1	43	1	2	2	124	2.46	.059	6	14	2.35	77	.01	8	1.58	.02	.07	1	22
FX 413194	9	47	2	35	.1	9	11	676	3.02	13	5	ND	1	66	1	3	2	77	4.35	.039	5	9	2.37	51	.01	9	.85	.01	.10	2	11
FX 413195	19	143	5	61	.2	12	17	634	4.02	23	5	ND	1	52	1	2	2	125	2.81	.070	4	12	2.33	20	.01	2	1.71	.02	.10	1	15
FX 413196	88	73	8	57	.2	15	12	393	3.13	21	5	ND	1	32	1	2	2	83	1.47	.043	4	14	1.52	140	.01	2	1.19	.01	.10	1	19
FX 413197	169	84	5	47	1.3	8	14	526	3.52	52	5	ND	1	65	1	2	2	108	2.99	.056	5	11	1.13	17	.01	2	1.14	.03	.07	2	39
STD C/AU-R	18	63	43	132	7.1	73	31	953	3.76	40	18	7	37	50	18	15	17	58	.46	.097	37	55	.86	174	.07	34	1.77	.06	.13	12	515

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413198	33	84	10	59	.7	9	15	773	4.39	48	5	ND	1	92	1	2	6	133	3.86	.067	5	13	1.55	19	.02	5	1.63	.02	.08	1	24
FX 413199	3	96	10	67	.5	10	16	833	4.54	28	5	ND	1	108	1	2	2	142	4.01	.072	6	13	1.79	24	.03	2	1.34	.03	.09	2	11
FX 413200	4	94	8	77	.5	8	18	797	4.22	33	5	ND	1	102	1	2	2	137	4.12	.070	6	11	1.60	21	.01	2	1.48	.02	.11	1	5
FX 413201	2	110	5	70	.5	7	16	840	4.31	22	5	ND	1	93	1	2	2	140	3.81	.070	7	11	1.70	31	.04	4	1.52	.03	.14	1	8
FX 413202	6	76	9	53	.4	9	15	805	4.05	15	5	ND	1	101	1	2	2	121	3.88	.067	6	11	1.56	24	.02	2	1.42	.02	.09	1	5
FX 413203	1	64	11	67	.4	10	16	943	4.38	18	5	ND	1	132	1	2	4	142	5.01	.079	8	12	1.76	39	.03	2	1.76	.03	.16	1	12
FX 413204	1	65	2	81	.2	7	18	1215	8.14	18	5	ND	1	110	1	2	5	111	4.63	.056	14	12	2.94	27	.01	2	1.36	.03	.05	1	8
FX 413205	12	77	2	55	.3	12	14	794	4.05	18	5	ND	1	111	1	3	2	143	3.95	.074	5	13	1.67	52	.03	2	1.60	.03	.09	1	14
FX 413206	32	95	19	70	.6	54	31	1142	5.74	32	5	ND	1	333	2	4	3	153	8.63	.049	6	183	3.00	117	.02	2	2.74	.01	.15	1	3
FX 413207	23	108	2	82	.1	56	32	926	4.61	19	5	ND	1	175	2	2	2	139	7.41	.057	4	133	2.60	79	.13	2	2.63	.07	.20	1	4
FX 413208	29	113	13	66	.1	56	30	1213	5.61	39	5	ND	1	257	1	2	2	145	11.19	.047	6	165	3.02	84	.03	2	2.72	.01	.25	1	25
FX 413209	2	96	2	73	.1	47	29	1132	5.39	26	5	ND	1	420	1	2	2	152	9.30	.042	5	169	3.56	83	.03	4	2.86	.01	.19	3	9
FX 413210	2	161	11	95	.5	68	38	1042	4.47	34	5	ND	3	166	1	2	5	126	7.77	.059	5	164	2.45	80	.08	2	2.15	.03	.23	3	2
FX 413211	1	97	8	114	.1	43	21	1486	4.74	17	5	ND	1	426	1	2	7	109	13.34	.036	6	126	1.95	34	.01	2	1.60	.01	.11	1	12
FX 413212	11	136	6	113	.2	67	40	1301	4.76	31	5	ND	1	183	1	2	2	140	9.30	.049	6	160	2.28	164	.09	11	2.62	.03	.64	1	1
FX 413213	7	155	7	139	.5	44	24	769	3.54	37	5	ND	1	104	1	2	2	137	2.96	.060	6	196	2.06	70	.01	2	2.33	.02	.19	1	9
FX 413214	3	155	12	71	.5	59	40	1494	3.59	28	5	ND	1	223	1	2	2	99	10.77	.047	7	127	1.34	40	.02	4	1.95	.03	.08	2	1
FX 413215	13	254	8	75	.5	77	53	1075	4.34	70	5	ND	1	143	1	2	13	103	9.37	.053	9	125	1.13	66	.01	8	1.34	.01	.12	1	16
FX 413216	2	100	10	68	.2	42	28	1370	2.27	30	5	ND	2	235	1	2	2	68	14.91	.057	7	106	.91	51	.02	2	1.12	.01	.04	1	3
FX 413217	4	68	7	151	.3	49	19	1357	7.00	29	5	ND	2	252	1	2	2	117	13.23	.040	6	138	2.39	35	.01	2	2.17	.01	.06	1	9
FX 413218	1	106	11	103	.3	54	33	1063	4.60	28	5	ND	1	342	1	2	3	117	13.36	.052	6	154	2.05	26	.01	2	2.06	.01	.05	1	8
FX 413219	6	145	2	153	.1	66	32	1262	7.95	47	5	ND	1	225	1	2	8	136	10.63	.054	6	179	2.45	34	.01	3	2.47	.01	.11	1	16
FX 413220	1	126	6	116	.3	58	32	873	5.04	30	5	ND	1	249	1	2	10	138	9.60	.053	5	176	2.76	38	.04	2	2.56	.02	.08	1	7
FX 413221	5	134	10	107	.2	60	31	330	4.88	23	5	ND	1	214	1	2	2	130	7.05	.055	3	176	3.03	73	.13	2	2.49	.03	.16	2	22
FX 413222	2	191	11	129	.3	94	42	1016	4.68	45	5	ND	1	204	2	4	5	141	8.16	.058	3	183	2.79	27	.09	2	2.32	.02	.08	1	7
FX 413223	1	164	2	111	.2	60	50	1536	4.56	38	5	ND	1	156	1	2	2	139	7.88	.068	11	142	1.39	83	.02	4	1.50	.02	.18	1	12
FX 413224	6	61	8	46	.1	21	9	214	2.58	33	5	ND	2	30	1	2	2	76	.67	.031	2	74	.80	56	.01	6	1.20	.01	.17	3	10
FX 413225	17	166	11	218	.1	55	46	1863	11.16	80	5	ND	1	66	2	2	2	152	1.70	.065	8	129	1.58	45	.01	4	2.25	.02	.15	1	6
FX 413226	8	161	8	155	.7	40	40	1193	4.90	17	5	ND	1	64	1	2	2	79	2.95	.107	11	35	1.65	17	.01	3	1.15	.02	.16	1	36
FX 413227	17	136	14	270	.2	52	41	1906	9.27	51	5	ND	1	54	2	3	2	163	1.26	.068	11	155	1.37	41	.01	2	1.88	.02	.15	1	29
FX 413228	10	43	10	53	.1	15	9	209	2.69	27	5	ND	1	20	1	2	2	61	.31	.053	4	33	.43	10	.01	5	.95	.01	.15	3	12
FX 413229	12	16	5	17	.1	9	3	111	.95	7	5	ND	1	9	1	2	2	23	.16	.017	2	15	.16	16	.01	10	.35	.01	.06	2	72
FX 413230	6	24	10	73	.1	30	6	109	2.71	23	5	ND	1	29	1	2	5	102	.31	.059	4	97	.93	5	.01	2	2.02	.01	.10	1	5
FX 413231	4	48	2	48	.1	17	12	473	1.30	4	5	ND	1	55	1	2	2	47	4.05	.032	3	32	1.69	22	.01	6	.58	.01	.08	1	6
FX 413232	9	53	8	109	.1	29	16	641	4.68	42	5	ND	1	45	1	2	2	119	1.45	.060	5	78	1.18	24	.01	2	1.67	.01	.14	2	12
FX 413233	9	45	2	88	.1	21	15	654	2.94	20	5	ND	1	34	1	2	2	57	1.50	.023	3	36	.80	22	.01	2	.52	.01	.07	1	72
STD C/AU-R	18	64	44	132	7.1	73	31	1016	3.86	44	17	7	37	50	19	15	20	59	.47	.090	37	56	.87	176	.07	32	1.86	.06	.13	12	530

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413234	34	35	2	40	.4	14	8	322	1.78	15	5	ND	1	30	1	2	11	42	1.32	.022	2	28	.23	17	.01	3	.41	.01	.07	1	27
FX 413235	20	123	3	29	.2	13	12	115	1.93	13	5	ND	1	22	1	2	2	98	.39	.064	6	42	.28	34	.01	3	.94	.01	.19	2	43
FX 413236	46	31	2	45	.2	17	9	352	1.92	16	5	ND	1	17	1	2	3	49	.73	.020	3	24	.41	13	.01	11	.44	.01	.07	1	22
FX 413237	11	88	4	84	.3	24	17	494	3.49	26	5	ND	1	30	1	2	2	86	.94	.039	5	62	.73	19	.01	2	.91	.01	.12	1	9
FX 413238	8	20	2	39	.1	15	5	137	1.61	20	5	ND	1	12	1	2	2	45	.23	.022	2	34	.32	6	.01	2	.54	.01	.07	1	13
FX 413239	40	20	2	13	.2	9	2	50	.73	9	5	ND	1	5	1	2	2	20	.07	.010	2	18	.10	33	.01	5	.23	.01	.04	1	23
FX 413240	8	14	2	15	.3	13	3	79	.90	9	5	ND	1	6	1	2	2	28	.08	.013	2	20	.12	9	.01	3	.29	.01	.06	1	9
FX 413241	7	13	2	12	.2	10	2	45	.74	10	6	ND	1	5	1	2	2	22	.07	.009	2	23	.11	11	.01	2	.27	.01	.05	1	17
FX 413242	9	21	2	44	.1	17	5	92	2.06	34	5	ND	1	16	1	2	2	57	.17	.031	3	79	.29	5	.01	3	.62	.01	.08	1	38
FX 413243	6	15	2	31	.1	14	3	92	1.49	20	5	ND	1	11	1	2	3	54	.13	.021	2	52	.30	1	.01	2	.61	.01	.06	1	11
FX 413244	13	36	6	59	.3	24	7	79	2.97	41	5	ND	1	23	1	2	2	88	.25	.060	5	84	.37	49	.01	9	.93	.01	.14	1	28
FX 413245	7	14	2	24	.2	13	3	78	1.18	21	5	ND	1	7	1	2	2	37	.11	.015	2	28	.16	7	.01	2	.37	.01	.07	1	9
FX 413246	22	31	2	30	.2	17	5	70	1.75	38	5	ND	1	13	1	2	2	62	.17	.034	3	68	.28	18	.01	2	.68	.01	.08	1	40
FX 413247	17	24	2	36	.3	17	5	67	2.06	37	5	ND	1	15	1	2	2	73	.17	.031	4	101	.37	11	.01	2	.94	.01	.08	1	20
FX 413248	6	22	2	16	.1	21	3	41	1.12	20	5	ND	1	14	1	2	3	23	.16	.037	8	13	.19	48	.01	5	.48	.01	.10	1	12
FX 413249	6	23	3	22	.1	8	4	56	1.60	31	5	ND	4	23	1	2	2	26	.27	.067	27	18	.27	27	.01	11	.73	.01	.15	1	7
FX 413250	6	29	2	28	.1	10	3	59	1.49	22	5	ND	1	18	1	2	2	24	.23	.056	16	6	.27	19	.01	6	.65	.01	.14	1	11
FX 413251	7	21	2	26	.1	14	4	57	1.29	19	5	ND	1	12	1	2	2	36	.14	.028	4	85	.25	23	.01	5	.57	.01	.07	1	17
FX 413252	14	43	6	37	.4	15	7	77	2.73	53	6	ND	1	23	1	2	6	63	.24	.047	5	77	.39	14	.01	9	.99	.01	.12	2	254
FX 413253	13	48	5	63	.2	20	10	143	3.93	78	5	ND	1	35	1	2	2	109	.34	.067	8	125	.62	41	.01	5	1.39	.01	.16	2	136
FX 413254	7	22	2	35	.2	16	5	97	1.69	24	5	ND	1	15	1	2	3	50	.15	.026	2	72	.29	18	.01	3	.64	.01	.07	1	11
FX 413255	11	54	4	167	.3	42	26	454	5.83	75	5	ND	2	43	1	2	2	127	.44	.049	7	135	1.06	29	.01	2	1.36	.01	.08	1	101
FX 413256	10	55	4	200	.1	44	27	462	5.29	67	5	ND	1	38	1	2	2	102	.54	.066	8	99	1.13	20	.01	3	1.61	.01	.11	1	42
FX 413257	8	36	2	80	.1	21	11	180	2.87	46	5	ND	1	25	1	2	2	79	.32	.059	5	88	.55	14	.01	2	.98	.01	.09	1	12
FX 413258	7	36	2	64	.1	16	8	167	1.85	34	5	ND	1	14	1	2	2	51	.21	.038	3	36	.29	30	.01	2	.51	.01	.06	1	11
FX 413259	11	60	2	91	.1	23	14	228	3.29	60	5	ND	1	23	1	2	2	86	.32	.055	7	96	.46	30	.01	8	.89	.01	.09	1	31
FX 413260	9	40	2	56	.2	26	9	125	2.95	57	5	ND	1	27	1	2	2	85	.30	.071	9	91	.50	11	.01	7	1.04	.01	.10	2	30
FX 413261	20	41	2	32	.1	11	5	77	1.44	34	5	ND	1	12	1	2	3	52	.18	.041	6	81	.17	33	.01	2	.47	.01	.08	1	57
FX 413262	25	80	3	63	.1	12	15	160	2.18	228	5	ND	1	22	1	2	4	54	.37	.083	15	27	.26	10	.01	2	.64	.01	.14	1	374
FX 413263	37	50	2	21	.1	10	12	51	1.24	109	5	ND	1	11	1	2	2	32	.29	.047	14	27	.12	2	.01	2	.67	.01	.15	1	198
FX 413264	26	12	2	57	.1	10	7	130	2.22	44	5	ND	1	24	1	2	2	99	1.46	.060	15	19	.33	14	.01	2	2.07	.01	.25	1	23
FX 413265	8	94	3	153	.2	24	25	1169	6.47	227	5	ND	1	91	1	2	2	124	4.17	.102	18	22	1.04	24	.01	8	1.05	.02	.10	1	97
FX 413266	34	140	2	119	.2	22	25	1316	6.31	139	5	ND	3	123	1	2	2	106	6.02	.101	14	20	1.21	20	.01	9	1.20	.03	.09	1	20
FX 413267	165	76	2	97	.1	27	26	365	4.70	171	5	ND	1	70	1	2	3	96	2.14	.105	18	22	1.00	18	.01	2	.98	.02	.08	1	35
FX 413268	51	57	2	35	.1	13	14	730	1.96	176	5	ND	1	42	1	2	3	49	3.26	.061	21	11	.40	9	.01	3	.67	.01	.09	1	190
FX 413269	13	124	5	112	.3	20	20	996	6.06	53	6	ND	3	114	1	2	2	104	4.42	.108	8	46	1.41	23	.01	2	1.00	.02	.09	1	22
STD C/AU-R	18	63	40	132	6.3	72	31	951	2.84	40	22	6	37	49	18	15	19	58	.46	.084	37	56	.86	175	.07	34	1.75	.06	.13	12	480

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Epi, B.C.
BH 72483
FX 413352-425

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 5 1989 DATE REPORT MAILED: June 9/89. SIGNED BY. C. Leong ..D.TOYE, C.LEONG. J.WANG; CERTIFIED B.C. ASSAYERS

INCO GOLD COMPANY File # 89-1325 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413352	1	33	11	19	.1	12	4	140	2.04	3	5	ND	3	76	1	2	2	34	.30	.003	7	8	.41	102	.02	5	2.01	.04	.10	1	5
FX 413353	1	22	9	34	.1	8	12	475	1.35	2	5	ND	2	61	1	2	2	18	.31	.004	6	4	.50	31	.01	6	1.09	.03	.06	1	2
FX 413354	1	28	10	33	.1	7	7	93	1.64	3	5	ND	3	90	1	2	2	23	.33	.005	19	6	.54	73	.03	7	2.13	.04	.08	1	2
FX 413355	1	31	11	33	.2	10	6	87	2.01	3	5	ND	3	105	1	2	2	29	.34	.004	21	7	.53	96	.04	9	2.77	.04	.07	1	6
FX 413356	1	30	13	33	.1	7	9	445	1.65	2	5	ND	2	96	1	2	2	19	.35	.004	20	7	.67	71	.02	6	2.64	.03	.06	1	4
FX 413357	1	32	8	26	.1	5	5	94	1.19	2	5	ND	3	92	1	2	2	13	.38	.005	21	4	.79	27	.01	6	1.61	.02	.03	1	1
FX 413358	1	24	6	26	.1	5	6	71	1.50	2	5	ND	2	100	1	2	3	20	.39	.007	27	4	.90	77	.01	3	2.25	.03	.03	1	4
FX 413359	1	26	5	21	.1	4	5	64	1.37	3	5	ND	2	104	1	2	3	21	.39	.007	16	4	.81	91	.01	2	1.98	.03	.03	1	5
FX 413360	2	82	11	45	.2	6	16	7329	3.78	10	5	ND	3	58	1	2	3	79	.27	.029	9	13	.58	80	.02	2	1.56	.02	.10	1	19
FX 413361	2	284	12	127	.1	7	23	1089	7.31	16	5	ND	2	62	1	2	2	132	.23	.032	20	4	1.12	71	.05	2	2.06	.02	.35	1	16
FX 413362	2	212	9	122	.1	7	20	297	6.47	28	5	ND	1	62	1	2	2	126	.84	.270	11	10	1.06	71	.05	2	2.29	.02	.43	2	61
FX 413363	6	191	7	117	.3	9	21	932	6.68	94	5	ND	1	86	1	2	3	152	1.74	.521	16	15	.88	1511	.01	4	2.51	.02	.25	3	139
FX 413364	5	208	6	102	.1	9	21	287	6.66	102	5	ND	1	82	1	2	2	159	1.20	.362	12	10	.94	35	.01	2	2.50	.02	.29	1	42
FX 413365	4	171	6	72	.1	7	16	595	4.15	45	5	ND	1	81	1	2	2	63	2.24	.533	22	3	.64	27	.01	5	1.88	.02	.30	3	40
FX 413366	2	134	9	83	.1	8	20	2156	4.30	39	5	ND	1	92	1	2	4	66	2.76	.308	15	10	.99	47	.01	4	2.07	.02	.26	1	35
FX 413367	2	101	11	97	.1	12	28	1366	5.86	58	5	ND	1	91	1	2	2	130	2.00	.270	10	35	1.16	33	.01	3	2.46	.02	.28	1	31
FX 413368	4	142	7	91	.1	19	28	992	5.58	56	5	ND	1	84	1	2	2	143	1.29	.268	14	64	1.28	107	.02	2	2.84	.02	.41	1	38
FX 413369	2	113	7	90	.1	18	30	2353	5.76	36	5	ND	1	90	1	2	3	143	2.26	.228	8	60	1.21	50	.02	2	2.37	.02	.27	1	40
FX 413370	5	167	10	84	.1	23	30	1577	5.82	66	5	ND	1	89	1	3	2	173	1.74	.209	8	68	1.08	173	.01	2	2.50	.02	.22	2	27
FX 413371	2	206	9	84	.1	17	26	987	5.69	50	5	ND	1	93	1	2	2	128	2.03	.237	8	63	1.16	47	.01	7	2.57	.03	.21	1	57
FX 413372	3	100	9	96	.1	24	29	505	5.80	84	5	ND	1	92	1	2	2	149	1.47	.241	7	65	1.23	18	.01	2	2.52	.03	.19	1	94
FX 413373	2	184	7	88	.1	17	25	824	6.02	40	5	ND	1	92	1	2	2	149	1.77	.291	11	64	1.24	20	.03	2	2.49	.03	.28	1	16
FX 413374	3	151	8	81	.1	18	23	533	5.35	49	5	ND	1	82	1	2	2	130	1.64	.264	10	54	1.03	16	.01	2	2.20	.03	.22	1	32
FX 413375	2	103	7	58	.1	6	11	1255	3.31	43	5	ND	1	78	1	2	3	69	2.11	.399	15	11	.69	41	.01	10	1.79	.02	.29	1	30
FX 413376	3	124	2	47	.1	4	10	468	2.78	44	5	ND	1	58	1	2	2	63	1.44	.292	13	7	.49	37	.01	4	1.17	.02	.29	2	100
FX 413377	2	264	6	74	.1	10	18	626	4.39	47	5	ND	1	69	1	2	2	86	1.08	.284	11	19	.88	41	.01	4	1.92	.02	.36	1	77
FX 413378	1	144	6	98	.1	16	24	1072	5.71	38	5	ND	1	92	1	2	2	132	1.87	.248	11	61	1.35	28	.02	2	2.48	.03	.33	1	33
FX 413379	1	254	7	74	.2	18	24	1141	5.49	32	5	ND	1	82	1	2	2	134	2.15	.225	11	50	1.16	28	.01	3	2.08	.02	.20	1	45
FX 413380	1	82	6	41	.3	9	12	5463	2.49	22	5	ND	1	89	1	2	3	59	6.25	.089	9	15	.73	13	.01	3	.83	.01	.14	3	7
FX 413381	1	125	5	77	.1	20	26	439	4.79	17	5	ND	1	50	1	2	2	87	.49	.134	4	25	1.76	25	.01	2	2.53	.02	.30	1	14
FX 413382	2	90	6	52	.1	8	18	1430	4.29	29	5	ND	1	49	1	2	2	68	.59	.167	11	7	1.27	59	.01	2	2.16	.02	.36	1	40
FX 413383	1	84	5	69	.1	9	21	470	5.03	20	5	ND	1	61	1	2	2	78	.61	.176	8	6	1.72	78	.01	2	2.98	.03	.46	1	19
FX 413384	1	91	4	63	.1	7	19	375	4.58	24	5	ND	1	57	1	2	2	93	.57	.171	7	7	1.54	36	.01	3	2.72	.03	.40	1	31
FX 413385	2	91	3	43	.1	8	15	995	3.49	29	5	ND	1	52	1	2	3	67	.89	.115	9	8	1.28	34	.01	2	1.66	.02	.25	2	48
FX 413386	1	129	8	52	.1	8	15	1719	4.01	20	5	ND	1	61	1	2	3	63	.87	.155	10	8	1.46	34	.01	2	2.18	.02	.27	1	46
FX 413387	2	136	8	55	.1	9	18	340	3.99	19	5	ND	1	42	1	2	2	68	.45	.149	5	11	1.46	36	.01	2	2.12	.02	.28	1	39
FX 413388	4	82	8	74	.3	24	20	239	4.37	7	5	ND	3	46	1	4	2	61	.45	.181	12	25	1.31	34	.01	5	2.27	.02	.25	1	20
STD C/AU-R	18	63	39	133	6.6	73	31	961	3.79	36	20	7	38	50	18	15	18	58	.47	.087	38	56	.87	176	.07	34	1.80	.06	.13	11	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413389	5	120	11	64	.1	29	26	1882	7.15	8	5	ND	1	69	1	2	2	116	2.72	.196	18	25	1.41	60	.01	2	3.29	.02	.25	1	7
FX 413390	13	94	9	65	.1	19	21	365	4.47	21	5	ND	1	29	1	2	2	90	.28	.090	11	23	2.03	16	.01	2	2.77	.01	.21	1	16
FX 413391	7	84	14	73	.1	27	16	686	4.26	34	5	ND	2	83	1	2	3	50	2.14	.097	22	32	1.18	62	.01	2	2.33	.02	.22	1	8
FX 413392	13	134	7	99	.1	18	20	194	4.73	54	5	ND	4	55	1	3	2	79	.33	.079	39	21	1.04	44	.01	3	1.94	.02	.23	1	60
FX 413393	6	55	10	72	.1	26	20	1262	5.11	17	5	ND	2	124	1	2	3	70	4.62	.101	19	25	1.42	32	.01	2	2.50	.02	.18	1	5
FX 413394	3	76	5	85	.1	29	15	236	2.80	10	5	ND	1	63	1	3	2	53	1.85	.193	18	29	.90	25	.01	4	2.18	.02	.23	1	5
FX 413395	11	122	12	87	.1	19	11	221	3.82	29	5	ND	4	114	1	3	2	53	1.05	.053	34	26	.92	22	.01	2	1.75	.03	.18	1	32
FX 413396	5	130	8	77	.1	26	12	134	4.24	27	5	ND	2	54	1	2	2	51	.35	.082	21	30	1.12	26	.01	2	2.50	.03	.22	1	4
FX 413397	26	130	27	79	.1	30	48	101	3.09	67	5	ND	11	57	1	9	3	22	.41	.014	52	5	.48	17	.01	2	.87	.02	.15	1	85
FX 413398	21	118	19	59	.4	21	28	256	2.13	35	5	ND	7	63	1	3	2	29	.96	.016	42	14	.61	20	.01	2	.98	.02	.16	1	34
FX 413399	4	142	9	62	.2	20	21	738	3.77	24	5	ND	2	109	1	2	2	68	3.46	.075	26	40	1.38	367	.01	6	2.15	.02	.20	1	10
FX 413400	3	95	9	50	.1	17	20	904	2.98	15	5	ND	1	161	1	2	2	50	5.23	.077	24	32	.97	142	.01	2	1.96	.02	.18	1	11
FX 413401	3	123	6	71	.1	21	15	701	4.50	33	5	ND	3	124	1	2	2	46	3.52	.141	26	41	1.21	27	.01	2	2.37	.02	.19	1	6
FX 413402	2	70	10	62	.1	21	12	984	3.61	4	5	ND	1	154	1	2	2	44	6.34	.095	19	24	1.01	25	.01	2	1.93	.02	.17	1	3
FX 413403	6	49	13	80	.1	22	15	1034	5.48	30	5	ND	2	122	1	2	3	65	4.87	.178	26	43	1.48	26	.01	2	2.46	.02	.20	1	7
FX 413404	4	46	5	69	.1	22	20	730	5.37	5	5	ND	1	125	1	2	2	93	4.50	.126	15	20	1.29	237	.01	3	2.44	.02	.18	1	19
FX 413405	1	44	8	42	.1	19	13	1058	2.45	16	5	ND	2	207	1	2	3	39	6.33	.161	27	21	.82	429	.01	2	1.72	.03	.18	1	5
FX 413406	1	43	5	55	.1	16	16	946	4.14	5	5	ND	1	199	1	2	3	74	5.13	.114	16	19	1.30	568	.01	2	2.31	.02	.19	1	9
FX 413407	2	72	10	60	.2	22	20	906	3.97	22	5	ND	2	213	1	2	2	63	6.05	.145	21	18	1.15	272	.01	3	2.10	.02	.18	1	24
FX 413408	1	77	2	84	.1	25	20	554	5.37	10	5	ND	1	118	1	2	2	82	3.14	.117	21	22	1.64	501	.01	3	3.02	.02	.18	1	5
FX 413409	294	51	111	69	.5	82	71	1117	2.96	72	5	ND	2	212	3	15	2	33	8.12	.045	18	10	.67	75	.01	5	.91	.01	.11	1	167
FX 413410	4	52	11	79	.1	12	13	492	3.45	2	5	ND	2	109	1	2	2	39	2.52	.066	36	20	1.33	592	.01	2	2.29	.02	.16	1	5
FX 413411	1	84	6	68	.1	16	19	733	4.05	8	5	ND	1	148	1	2	2	68	3.98	.093	14	26	1.43	579	.01	2	2.45	.02	.22	1	13
FX 413412	1	85	6	64	.1	15	18	713	4.51	8	5	ND	2	189	1	2	3	103	5.10	.121	8	56	1.60	309	.01	2	2.26	.02	.20	1	9
FX 413413	1	60	10	53	.1	15	15	440	2.92	3	5	ND	1	131	1	2	2	48	2.92	.074	5	26	1.09	214	.01	2	2.05	.02	.21	1	7
FX 413414	1	34	7	58	.1	16	13	180	2.50	2	5	ND	3	75	1	2	2	24	.72	.022	16	10	1.04	177	.01	3	2.01	.03	.20	1	1
FX 413415	1	48	7	70	.1	16	16	496	3.91	2	5	ND	1	94	1	2	2	70	3.01	.092	12	27	2.08	745	.01	4	2.29	.02	.25	1	12
FX 413416	1	116	8	67	.1	15	17	867	4.18	3	5	ND	1	119	1	2	3	92	5.50	.124	6	51	3.00	266	.01	4	2.04	.02	.20	1	25
FX 413417	1	91	13	80	.2	15	15	513	3.50	2	5	ND	2	136	1	2	2	57	3.33	.089	10	35	1.27	582	.01	2	2.12	.02	.19	1	14
FX 413418	1	37	13	83	.1	12	11	211	3.20	5	5	ND	5	86	1	2	2	28	.94	.031	20	6	1.14	122	.01	2	2.32	.03	.17	1	6
FX 413419	1	25	15	80	.1	14	12	208	3.16	2	5	ND	2	86	1	2	2	26	.74	.011	7	8	1.10	113	.01	2	2.06	.03	.15	1	3
FX 413420	1	37	27	82	.1	17	13	142	2.80	6	5	ND	2	97	1	2	2	24	.58	.007	6	10	1.13	540	.01	2	2.18	.04	.14	1	2
FX 413421	1	18	4	80	.1	14	9	237	2.05	3	5	ND	2	143	1	2	2	17	3.29	.856	31	19	.99	254	.01	2	2.90	.04	.24	1	1
FX 413422	1	21	10	111	.1	14	16	590	3.01	5	5	ND	5	80	1	3	2	20	2.36	.046	26	6	1.20	279	.01	2	2.45	.03	.14	1	1
FX 413423	1	24	13	92	.2	10	11	855	3.10	2	5	ND	5	101	1	3	2	22	3.02	.027	26	6	1.05	565	.01	4	1.94	.02	.15	1	1
FX 413424	1	25	11	96	.2	12	13	327	3.02	5	5	ND	4	74	1	2	2	25	1.31	.080	23	7	1.17	152	.01	2	2.48	.03	.17	1	2
FX 413425	1	21	14	108	.3	13	9	307	2.24	2	5	ND	5	99	1	2	2	11	2.19	.394	25	5	1.09	114	.01	3	2.53	.03	.19	1	2
STD C/AU-R	18	63	39	132	7.1	72	31	962	3.75	40	22	7	37	51	18	19	20	58	.45	.086	38	55	.86	178	.07	36	1.81	.06	.13	11	495

ACME ANALYTICAL LABORATORIES LTD.   852 E. HASTINGS ST. VANCOUVER B.C.   V6A 1R6   PHONE(604)253-3158   FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Epi, B.C.
BH 72483
FX 413426-503

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core   AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 6 1989   DATE REPORT MAILED: June 15, 1989   SIGNED BY. D. Toye ...D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

INCO GOLD COMPANY   File # 89-1352   Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413426	1	25	13	137	.2	13	9	109	2.36	2	5	ND	6	67	1	2	2	11	.40	.012	23	4	1.19	213	.01	2	2.36	.03	.14	1	3
FX 413427	1	19	14	170	.1	9	9	420	2.79	2	5	ND	8	84	1	2	2	7	1.78	.006	35	1	1.17	129	.01	2	2.03	.03	.12	1	1
FX 413428	1	30	20	129	.2	10	12	162	3.37	2	5	ND	7	68	1	2	2	26	.80	.035	32	5	1.23	400	.01	2	2.44	.03	.17	1	2
FX 413429	1	28	14	118	.1	8	10	135	3.39	3	5	ND	4	63	1	2	3	32	.55	.025	17	4	1.15	166	.01	2	2.19	.02	.16	1	4
FX 413430	1	30	17	120	.1	9	9	215	2.77	3	5	ND	5	79	1	2	3	20	1.25	.265	35	4	1.12	109	.01	2	2.50	.03	.23	1	7
FX 413431	1	34	15	131	.2	9	11	399	3.59	5	5	ND	4	75	1	2	2	25	1.60	.032	24	4	1.11	148	.01	4	1.89	.03	.19	1	3
FX 413432	1	30	14	100	.1	8	11	667	2.79	4	5	ND	2	99	1	2	2	21	1.92	.027	20	5	.99	1145	.01	2	1.69	.02	.23	1	1
FX 413433	1	35	16	130	.1	14	16	366	3.97	4	5	ND	4	88	1	2	2	17	1.55	.029	25	5	1.46	362	.01	3	2.46	.02	.23	1	1
FX 413434	1	38	15	79	.2	11	11	298	2.32	2	5	ND	4	109	1	2	2	12	1.48	.090	35	5	.91	1567	.01	3	1.55	.02	.28	1	3
FX 413435	1	66	19	86	.2	16	13	249	2.71	8	5	ND	4	92	1	2	3	17	1.15	.164	45	14	.98	502	.01	5	1.96	.02	.37	1	3
FX 413436	5	47	20	97	.1	15	20	565	3.26	143	5	ND	3	148	1	2	3	17	2.25	.100	38	7	.86	174	.01	2	1.47	.02	.31	1	12
FX 413437	1	53	20	130	.3	13	17	935	4.99	2	5	ND	4	114	1	2	3	18	2.59	.074	33	8	1.35	1191	.01	2	1.63	.02	.25	1	4
FX 413438	1	37	16	50	.1	10	7	170	1.52	2	5	ND	3	55	1	2	2	9	.74	.049	30	4	.61	492	.01	2	1.02	.02	.26	1	7
FX 413439	1	56	23	95	.2	11	14	322	3.78	6	5	ND	3	71	1	2	2	17	.92	.086	28	5	1.24	398	.01	3	1.87	.02	.24	1	6
FX 413440	1	67	15	82	.1	12	13	286	3.50	7	5	ND	3	50	1	2	3	18	.56	.045	29	6	1.27	171	.01	2	1.62	.02	.24	1	13
FX 413441	1	38	19	71	.1	17	12	419	3.53	8	5	ND	2	54	1	2	2	28	1.45	.167	45	10	1.40	89	.01	2	2.25	.02	.25	1	9
FX 413442	6	31	17	69	.1	23	14	215	2.98	12	5	ND	3	32	1	2	2	26	.48	.044	34	13	1.32	14	.01	7	2.05	.02	.21	1	4
FX 413443	2	42	13	75	.1	35	21	402	3.72	13	5	ND	1	45	1	2	2	33	1.46	.129	32	35	1.54	12	.01	2	2.14	.01	.19	1	4
FX 413444	9	100	7	66	.4	14	18	387	4.94	67	5	ND	1	35	1	2	2	89	.53	.113	8	14	1.49	16	.01	2	1.74	.01	.21	2	22
FX 413445	80	113	5	49	.3	12	16	342	3.43	77	5	ND	1	21	1	2	3	71	.36	.091	4	24	1.28	12	.01	2	1.41	.01	.19	1	117
FX 413446	4	160	5	50	.4	13	17	332	3.67	76	5	ND	1	23	1	3	2	91	.38	.118	7	27	1.44	10	.01	2	1.88	.01	.23	1	36
FX 413447	155	84	2	47	1.6	13	15	298	3.25	51	5	ND	1	19	1	2	2	77	.33	.097	6	14	1.39	12	.01	2	1.81	.01	.25	2	21
FX 413448	422	14	2	29	3.1	7	7	206	2.08	12	5	ND	1	30	1	2	2	45	1.28	.011	2	45	.58	24	.01	2	.73	.01	.22	1	31
FX 413449	30	120	2	55	.3	10	17	369	4.59	77	5	ND	1	46	1	2	2	85	.92	.088	4	13	1.46	23	.01	2	1.48	.01	.20	1	27
FX 413450	10	216	5	40	.6	9	17	283	3.77	100	5	ND	1	30	1	2	2	79	.46	.109	5	19	1.32	12	.01	2	1.56	.01	.19	1	22
FX 413451	55	332	2	38	.9	7	10	306	3.05	27	5	ND	1	26	1	2	2	72	.45	.074	4	23	.94	15	.01	2	1.09	.01	.19	2	56
FX 413452	4	283	3	45	.5	10	19	316	3.86	83	5	ND	1	32	1	2	2	88	.49	.141	4	13	1.49	12	.01	4	1.83	.02	.22	1	26
FX 413453	12	290	2	53	.6	12	20	370	4.39	73	5	ND	1	39	1	2	3	86	.54	.110	5	11	1.54	22	.01	2	1.34	.02	.19	1	18
FX 413454	22	127	7	56	.3	10	21	756	5.08	82	5	ND	1	64	1	2	2	88	2.19	.137	6	14	1.81	19	.01	2	1.88	.02	.23	1	39
FX 413455	2	70	6	63	.1	9	18	590	4.15	51	5	ND	1	50	1	2	2	83	1.62	.145	5	13	1.68	21	.01	2	1.94	.02	.27	1	19
FX 413456	8	139	2	48	.1	9	14	386	3.40	49	5	ND	1	49	1	2	2	81	1.22	.095	5	15	1.31	12	.01	2	1.22	.01	.17	1	10
FX 413457	10	297	3	24	.3	5	9	204	1.90	43	5	ND	1	28	1	2	2	49	.79	.058	8	8	.68	12	.01	2	.59	.01	.14	1	4
FX 413458	13	10	3	44	..2	8	15	295	3.79	70	5	ND	1	36	1	2	3	79	.61	.117	6	11	1.27	16	.01	2	1.37	.01	.23	2	11
FX 413459	11	14	2	32	.2	6	12	414	2.52	42	5	ND	1	50	1	2	2	54	1.62	.053	3	8	.81	14	.01	2	.69	.01	.13	1	14
FX 413460	13	26	2	53	.3	9	18	551	4.32	93	5	ND	1	52	1	2	2	83	1.72	.127	6	15	1.47	15	.01	2	1.40	.01	.22	1	12
FX 413461	27	40	2	46	.3	8	15	719	3.99	70	5	ND	1	75	1	2	2	70	2.75	.102	5	15	1.34	28	.01	2	1.02	.01	.20	1	16
STD C/AU-R	17	63	40	132	7.1	73	30	936	3.71	40	17	6	37	49	18	14	17	56	.46	.086	36	55	.86	172	.07	32	1.81	.05	.13	11	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413462	26	72	2	64	.1	10	19	514	5.69	72	5	ND	1	48	1	2	4	87	1.08	.103	6	18	1.46	29	.01	2	1.33	.02	.23	1	23
FX 413463	17	26	2	61	.1	13	16	324	5.76	55	5	ND	1	43	1	2	2	106	.66	.098	5	20	1.40	20	.01	2	1.65	.02	.20	1	14
FX 413464	15	8	2	43	.2	10	12	211	4.30	96	6	ND	1	32	1	2	2	101	.54	.111	5	17	1.12	13	.01	2	1.68	.01	.22	1	9
FX 413465	26	12	6	36	.1	11	19	249	9.29	634	5	ND	1	44	1	15	2	90	1.19	.090	4	21	1.26	15	.01	2	.95	.02	.19	1	15
FX 413466	52	9	3	33	.5	10	14	202	6.53	439	5	ND	1	33	1	7	2	81	.65	.062	5	13	.87	14	.01	2	.85	.02	.15	1	52
FX 413467	86	9	4	33	.7	9	16	267	4.59	193	5	ND	1	55	1	2	2	96	1.79	.103	5	14	1.43	15	.01	2	1.05	.02	.20	1	15
FX 413468	135	19	2	32	.6	9	13	212	3.14	80	5	ND	1	42	1	2	2	80	1.23	.085	4	16	1.12	16	.01	2	.93	.02	.21	1	7
FX 413469	64	12	2	34	.7	10	20	179	3.41	177	5	ND	1	34	1	3	3	82	.76	.126	7	15	.86	16	.01	2	1.09	.02	.26	1	15
FX 413470	67	20	5	38	.9	10	18	193	3.52	95	8	ND	1	31	1	2	2	85	.69	.120	6	16	.85	17	.01	4	.97	.01	.22	1	8
FX 413471	160	13	2	50	1.5	10	19	286	4.83	71	5	ND	1	42	1	2	3	111	.89	.099	5	16	.95	26	.01	10	1.00	.02	.23	1	16
FX 413472	63	17	5	30	1.0	11	13	151	2.77	68	5	ND	1	21	1	2	2	82	.43	.083	3	21	.48	15	.01	3	.97	.01	.21	1	29
FX 413473	19	41	4	40	.9	11	9	139	2.40	41	5	ND	1	18	1	2	2	73	.29	.047	4	20	.33	15	.01	2	.85	.01	.13	4	147
FX 413474	71	23	3	20	.7	15	4	235	1.45	44	5	ND	2	19	1	3	2	32	2.26	.019	4	18	.21	64	.01	15	1.04	.01	.24	1	102
FX 413475	10	36	7	85	.1	14	10	1316	4.47	47	5	ND	1	299	1	2	2	53	11.60	.095	10	33	.82	19	.01	2	1.61	.02	.18	2	15
FX 413476	3	18	3	71	.1	14	8	1014	3.61	9	5	ND	1	476	1	2	2	33	21.24	.053	12	23	.50	25	.01	2	.66	.01	.03	2	4
FX 413477	28	20	4	44	.6	36	10	177	1.57	11	5	ND	2	46	1	2	2	43	1.84	.056	9	27	.23	36	.01	4	.71	.01	.11	1	14
FX 413478	4	23	2	42	.1	12	5	487	2.30	9	5	ND	1	511	1	2	2	24	20.92	.048	8	18	.29	27	.01	2	.60	.01	.05	3	10
FX 413479	14	64	5	45	.3	9	5	394	2.78	50	7	ND	1	85	1	3	2	48	4.31	.064	8	9	.26	29	.01	20	.99	.01	.18	2	57
FX 413480	15	68	2	64	.1	10	8	702	3.97	57	5	ND	1	294	1	2	2	72	10.18	.067	9	18	.41	16	.01	2	1.08	.01	.15	1	13
FX 413481	10	44	5	56	.2	13	6	389	3.36	38	5	ND	1	79	1	2	2	49	4.11	.061	5	10	.34	13	.01	7	1.05	.01	.20	1	33
FX 413482	54	101	3	83	.1	20	13	801	4.81	48	5	ND	1	164	1	3	2	142	7.65	.081	5	45	.65	43	.01	2	1.38	.01	.27	1	22
FX 413483	43	141	8	94	.1	33	30	955	5.24	59	5	ND	1	164	1	2	2	144	6.29	.110	5	41	.97	35	.01	2	1.77	.02	.13	1	6
FX 413484	46	55	4	21	.4	15	6	116	1.11	18	5	ND	1	36	1	2	3	40	2.59	.050	8	26	.16	135	.01	12	1.38	.01	.42	1	19
FX 413485	8	37	2	31	.2	11	4	314	1.73	22	5	ND	1	381	1	3	2	38	17.47	.050	10	21	.20	19	.01	2	.53	.01	.07	5	22
FX 413486	11	33	3	45	.1	9	4	401	2.85	44	5	ND	1	302	1	3	2	77	12.17	.050	9	29	.36	18	.01	2	1.41	.01	.18	5	30
FX 413487	19	67	8	122	.2	16	13	696	8.30	69	5	ND	1	381	1	3	2	185	9.54	.087	6	47	.93	63	.01	2	1.71	.02	.27	1	26
FX 413488	9	135	4	83	.2	35	21	1015	5.26	17	5	ND	1	191	1	2	2	140	7.30	.087	5	52	1.06	29	.01	2	1.23	.02	.18	1	9
FX 413489	1	106	5	90	.1	30	19	929	4.84	7	5	ND	1	188	1	2	2	144	7.60	.099	6	46	.98	18	.01	2	1.18	.02	.17	1	7
FX 413490	13	40	2	46	.1	16	5	501	2.82	43	5	ND	1	315	1	4	2	76	13.70	.056	8	24	.33	16	.01	2	.93	.01	.17	4	22
FX 413491	3	50	3	51	.1	20	12	644	2.75	24	5	ND	1	513	1	2	2	60	19.66	.067	9	87	.37	13	.01	2	.73	.01	.11	2	18
FX 413492	14	49	3	34	.1	11	6	78	1.86	61	5	ND	1	84	1	2	2	78	7.67	.071	13	60	.26	280	.01	220	2.24	.04	.76	5	197
FX 413493	4	30	3	51	.2	6	5	643	2.54	13	5	ND	1	503	1	2	2	31	21.62	.057	12	14	.30	16	.01	8	.53	.01	.07	4	13
FX 413494	70	35	4	23	.1	10	4	246	1.37	41	5	ND	1	169	1	2	2	30	6.78	.062	14	20	.15	26	.01	2	.99	.01	.26	4	75
FX 413495	30	80	4	39	.1	11	13	157	2.33	14	5	ND	3	46	1	2	2	71	1.03	.181	47	52	.27	22	.01	2	1.16	.01	.25	1	19
FX 413496	10	53	7	88	.2	17	21	880	5.72	6	5	ND	1	193	1	2	2	110	6.38	.094	9	25	1.39	40	.01	5	1.45	.02	.22	1	4
FX 413497	11	75	5	80	.1	15	20	971	5.50	5	5	ND	1	259	1	2	2	121	7.47	.077	9	20	1.83	99	.01	2	1.93	.02	.13	1	2
STD C/AU-R	17	58	38	132	7.0	73	30	939	4.03	40	24	7	35	50	17	17	21	58	.49	.084	37	55	.81	175	.07	39	1.92	.06	.13	12	510

INCO GOLD COMPANY FILE # 89-1352

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413498	38	86	3	80	.3	16	20	907	5.10	12	5	ND	2	249	1	2	4	113	8.49	.077	9	19	1.88	31	.01	2	1.94	.02	.15	1	8
FX 413499	11	70	2	88	.3	15	19	837	5.10	13	5	ND	3	206	1	2	2	135	7.47	.081	8	17	1.85	25	.01	4	1.63	.02	.14	1	11
FX 413500	21	51	2	94	.4	11	15	946	4.60	22	5	ND	2	144	1	2	2	60	7.37	.041	7	12	3.13	20	.01	9	.82	.03	.17	1	12
FX 413501	46	181	5	122	.4	22	24	1015	4.68	20	5	ND	2	187	1	2	4	94	9.55	.059	6	30	2.29	38	.01	2	1.49	.02	.17	1	10
FX 413502	11	206	7	122	.5	21	21	871	4.69	10	5	ND	3	224	1	2	2	104	8.51	.072	6	40	2.07	26	.01	2	2.43	.02	.13	1	14
FX 413503	149	99	7	124	.5	21	15	849	4.06	5	5	ND	2	257	1	2	4	91	9.32	.062	5	41	2.06	17	.01	2	2.41	.02	.13	1	18
STD C/AU-R	17	62	44	133	7.0	73	30	938	4.11	41	17	7	36	49	18	16	16	57	.53	.085	37	55	.90	172	.07	34	1.96	.06	.13	12	499

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Epi, B.C.
BH 72484
FX 413504-625

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 9 1989 DATE REPORT MAILED: June 15/89 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU** PPB
FX 413504	4	135	2	76	.1	22	24	1149	5.99	48	5	ND	1	37	1	2	2	99	1.01	.189	5	42	1.33	50	.01	2	2.44	.01	.55	1	41
FX 413505	3	118	5	30	.1	23	27	353	6.96	60	5	ND	1	38	1	2	2	112	.81	.187	6	29	1.16	54	.01	3	2.43	.01	.48	1	29
FX 413506	3	127	5	58	.1	20	21	270	5.13	42	5	ND	1	23	1	3	2	80	.63	.187	7	26	.79	51	.01	3	1.82	.01	.28	1	21
FX 413507	3	91	4	50	.1	18	20	510	4.34	29	5	ND	1	31	1	3	2	60	.85	.136	6	26	.98	48	.01	13	1.66	.01	.23	1	22
FX 413508	3	135	5	48	.1	18	21	250	5.35	33	5	ND	1	33	1	2	2	72	.88	.266	12	20	.87	59	.01	9	2.11	.01	.30	1	11
FX 413509	3	186	4	57	.1	14	21	733	4.91	35	5	ND	1	37	1	3	2	58	1.05	.224	11	5	.98	53	.01	3	1.97	.01	.24	1	33
FX 413510	2	45	4	28	.1	8	10	1384	2.14	16	5	ND	1	56	1	2	2	78	7.07	.079	6	12	1.03	301	.01	36	2.39	.01	.62	2	35
FX 413511	2	32	5	80	.1	25	28	401	4.72	41	5	ND	1	22	1	2	2	83	.78	.191	7	50	1.97	30	.01	3	2.63	.01	.18	1	22
FX 413512	3	49	2	48	.1	12	15	1751	3.51	51	5	ND	1	52	1	2	2	75	2.13	.134	8	28	1.40	79	.01	3	2.40	.01	.38	1	58
FX 413513	14	45	63	95	2.1	29	33	517	6.96	126	45	ND	8	27	2	32	34	132	.60	.200	11	57	2.30	46	.01	8	3.33	.03	.46	17	82
FX 413514	4	84	6	61	.1	18	22	468	4.30	55	5	ND	1	21	1	2	2	83	.46	.123	6	41	1.72	32	.01	2	2.23	.01	.20	1	25
FX 413515	4	62	11	83	.1	20	28	513	5.94	74	5	ND	1	26	1	2	2	106	.50	.168	5	45	2.43	31	.01	2	3.08	.01	.17	1	35
FX 413516	3	96	8	79	.1	20	24	498	5.03	73	5	ND	1	20	1	2	2	100	.48	.141	6	46	2.52	26	.01	11	2.91	.01	.15	1	56
FX 413517	4	218	10	78	.1	14	23	580	5.36	125	5	ND	1	25	1	2	2	103	.49	.163	6	19	2.41	27	.01	7	2.86	.01	.17	1	70
FX 413518	13	189	56	88	.1	16	26	503	6.69	144	5	ND	1	32	1	2	28	132	.54	.175	7	17	2.38	34	.01	2	3.27	.03	.21	3	65
FX 413519	14	116	58	86	.1	15	24	452	6.26	175	5	ND	1	32	1	2	31	121	.51	.165	6	16	2.02	41	.01	2	2.89	.03	.24	2	64
FX 413520	7	190	4	70	.1	24	22	709	5.49	116	5	ND	1	31	1	2	2	136	.54	.112	6	45	2.10	31	.01	12	2.79	.01	.19	1	52
FX 413521	20	123	2	68	.1	14	20	793	4.61	132	5	ND	1	28	1	2	2	112	.50	.132	6	17	1.99	19	.01	3	2.43	.01	.15	1	85
FX 413522	24	300	3	66	.1	12	19	593	4.94	114	5	ND	1	41	1	2	2	127	.86	.141	7	15	1.84	32	.01	11	2.75	.01	.21	1	106
FX 413523	18	149	68	98	1.9	21	31	5274	7.25	138	37	ND	8	87	2	28	38	156	1.38	.232	12	23	2.69	143	.05	16	4.18	.06	.78	18	86
FX 413524	15	146	6	56	.1	14	16	437	4.22	104	5	ND	1	36	1	2	2	104	.52	.104	5	22	1.63	23	.01	11	2.16	.01	.15	1	146
FX 413525	16	155	10	99	.1	18	30	1027	7.37	144	5	ND	1	73	1	3	2	168	1.15	.187	9	26	2.52	202	.01	2	3.87	.01	.18	2	87
FX 413526	39	66	7	57	.5	9	15	1163	5.28	182	5	ND	1	51	1	2	2	109	1.85	.133	9	14	1.39	26	.01	13	2.85	.01	.31	1	423
FX 413527	39	110	5	98	.2	16	29	576	7.42	182	5	ND	1	43	1	2	2	142	.63	.191	11	19	2.13	25	.01	2	3.15	.01	.14	1	168
FX 413528	57	85	6	53	.1	10	16	994	3.89	87	5	ND	1	29	1	4	2	106	.73	.104	6	13	1.23	16	.01	12	2.01	.01	.17	1	59
FX 413529	50	140	56	83	.8	15	25	414	6.29	198	26	ND	5	37	1	18	28	133	.53	.167	10	21	1.59	21	.01	5	2.69	.03	.25	11	98
FX 413530	187	179	5	58	.9	9	16	600	3.34	61	5	ND	1	35	1	2	2	90	2.17	.101	6	15	1.28	46	.01	4	2.61	.01	.41	1	138
FX 413531	11	159	9	51	.1	4	13	451	4.03	64	5	ND	1	34	1	2	2	54	.86	.182	7	6	.89	45	.01	3	1.90	.01	.28	1	87
FX 413532	9	160	6	87	.1	6	21	536	4.73	51	5	ND	2	33	1	4	2	60	.79	.255	12	6	1.52	38	.01	11	2.40	.01	.30	1	63
FX 413533	8	65	5	29	.2	6	9	1268	2.35	29	5	ND	1	36	1	2	2	45	1.10	.069	6	11	.74	19	.01	4	1.34	.01	.20	2	35
FX 413534	7	84	7	56	.1	11	15	538	3.73	54	5	ND	1	27	1	3	2	60	.39	.094	6	17	.99	35	.01	9	1.58	.01	.21	1	37
FX 413535	3	29	2	34	.1	6	9	300	1.79	19	5	ND	1	18	1	2	2	32	.71	.050	6	5	.67	60	.01	16	1.79	.01	.39	1	12
FX 413536	3	84	2	80	.1	22	27	446	4.98	32	5	ND	1	21	1	2	2	114	.91	.121	4	50	1.60	16	.01	2	2.79	.01	.20	1	12
FX 413537	4	16	5	89	.1	31	30	10815	6.76	39	5	ND	1	143	1	2	2	155	2.72	.175	10	89	3.25	101	.04	5	3.62	.02	.50	1	15
FX 413538	8	6	7	54	.1	17	16	4030	4.63	35	5	ND	1	87	1	2	2	102	1.73	.102	5	46	2.01	31	.01	2	2.14	.01	.16	1	113
FX 413539	1	100	5	88	.2	25	29	2854	6.07	14	5	ND	1	193	1	2	2	148	3.75	.152	10	63	3.86	63	.01	2	3.30	.02	.21	1	10
STD C/AU-R	18	58	38	131	7.1	74	29	1014	3.88	42	17	6	35	50	18	18	17	56	.51	.088	35	55	.87	174	.07	32	1.82	.06	.14	11	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU** PPB
FX 413540	8	851	3	106	.1	30	28	781	7.62	116	5	ND	2	92	1	2	3	200	1.87	.184	8	73	2.08	69	.02	2	3.31	.02	.27	1	119
FX 413541	9	112	13	54	.1	16	17	2408	4.30	94	5	ND	2	80	1	2	3	105	2.44	.099	8	36	1.31	25	.01	3	2.54	.02	.26	7	51
FX 413542	7	96	4	112	.1	28	30	744	7.36	120	5	ND	2	71	2	2	2	193	1.44	.179	7	63	1.88	25	.02	2	3.63	.02	.20	1	112
FX 413543	6	148	6	95	.1	29	29	2889	6.09	68	5	ND	1	97	1	2	2	154	2.02	.120	7	64	2.16	25	.01	2	3.36	.02	.16	1	111
FX 413544	8	286	2	117	.1	35	35	841	7.27	91	5	ND	2	57	1	2	2	205	1.53	.161	7	71	2.24	30	.01	4	4.12	.02	.20	2	58
FX 413545	12	152	6	105	.2	24	29	1975	7.40	200	5	ND	2	95	2	2	2	197	3.15	.163	9	58	1.84	98	.01	3	4.47	.02	.23	1	226
FX 413546	15	79	3	102	.1	25	29	661	6.60	170	5	ND	2	64	2	2	2	175	2.67	.146	9	53	1.69	31	.01	5	3.95	.02	.25	1	128
FX 413547	22	108	2	94	.1	23	27	1703	7.84	159	5	ND	2	98	2	2	2	143	1.72	.163	11	52	1.60	33	.01	5	2.85	.02	.19	1	25
FX 413548	29	168	5	85	.1	22	26	582	5.99	121	5	ND	1	38	1	2	2	153	1.23	.135	8	47	1.38	29	.01	2	2.75	.01	.22	2	773
FX 413549	12	167	5	59	.1	11	19	3290	4.07	45	5	ND	1	64	1	2	2	122	3.91	.067	6	19	1.40	30	.01	2	2.88	.01	.35	1	55
FX 413550	25	257	2	113	.1	28	32	820	8.43	114	5	ND	2	68	2	2	2	199	1.42	.178	12	62	1.56	23	.01	3	3.22	.02	.23	3	58
FX 413551	15	64	2	76	.1	22	24	422	5.60	243	5	ND	1	30	1	2	2	146	1.34	.130	6	42	1.10	25	.01	4	2.60	.01	.26	2	177
FX 413552	20	127	2	100	.3	28	33	477	7.81	249	5	ND	2	44	2	2	2	182	2.02	.169	9	49	1.24	26	.01	2	3.41	.01	.33	2	109
FX 413553	19	221	2	97	.1	23	25	556	7.32	215	5	ND	2	49	1	6	2	149	1.26	.178	10	44	1.00	22	.01	2	2.97	.02	.30	3	67
FX 413554	21	330	2	98	.1	26	30	924	7.51	181	5	ND	2	46	1	2	3	169	.92	.178	11	53	1.29	63	.01	3	2.52	.02	.22	2	98
FX 413555	27	151	11	61	.1	11	18	469	4.27	90	5	ND	1	27	1	2	3	109	1.87	.089	5	27	.97	18	.01	2	2.38	.01	.29	1	61
FX 413556	12	248	2	101	.1	27	29	336	5.41	94	5	ND	1	24	1	2	2	113	.43	.092	6	45	1.34	14	.01	2	2.45	.01	.23	1	23
FX 413557	17	173	2	71	.1	17	19	350	4.22	83	5	ND	1	22	1	2	2	106	2.45	.078	5	30	1.00	28	.01	3	2.89	.01	.44	1	28
FX 413558	25	206	21	61	.1	13	17	473	4.31	127	5	ND	1	31	1	2	2	135	7.01	.076	5	34	.94	35	.01	12	3.56	.02	.01	1	86
FX 413559	19	255	19	69	.1	21	18	269	4.24	126	5	ND	2	39	1	2	2	149	11.55	.088	7	36	1.00	50	.01	64	4.79	.02	1.13	12	84
FX 413560	15	133	2	66	.1	11	16	1057	4.02	41	5	ND	1	35	1	2	2	105	1.11	.101	5	10	1.05	15	.01	2	2.51	.01	.19	1	19
FX 413561	26	211	2	86	.1	22	25	744	6.11	232	5	ND	1	38	1	2	2	151	1.27	.147	8	51	1.17	21	.01	2	2.67	.01	.23	1	136
FX 413562	27	459	2	96	.1	25	30	555	7.33	179	5	ND	1	38	1	2	2	134	.87	.175	10	43	1.36	17	.01	2	2.61	.01	.21	1	103
FX 413563	26	264	7	115	.1	30	36	478	7.90	199	5	ND	1	31	2	2	2	156	.70	.188	9	52	1.74	17	.01	2	3.06	.01	.22	3	106
FX 413564	22	90	11	64	.2	18	20	351	4.39	108	5	ND	1	16	1	2	4	122	3.46	.092	6	32	1.25	24	.01	2	3.01	.01	.41	2	129
FX 413565	24	175	7	95	.1	23	29	1939	6.82	147	5	ND	1	43	2	2	2	171	2.99	.147	9	49	1.78	23	.01	4	3.67	.01	.39	1	70
FX 413566	18	57	2	103	.3	26	33	2579	7.11	245	5	ND	1	70	2	2	3	150	4.04	.155	10	48	2.13	65	.01	2	3.26	.01	.26	1	165
FX 413567	10	59	2	94	.2	22	27	2338	5.34	71	5	ND	1	56	2	2	2	148	6.94	.115	6	39	2.08	47	.01	2	4.27	.01	.63	3	46
FX 413568	25	268	24	81	.2	14	19	2525	4.48	81	5	ND	2	80	1	2	2	93	3.36	.091	8	9	1.70	31	.01	3	2.54	.02	.34	8	33
FX 413569	63	63	34	66	.1	16	15	343	4.79	170	5	ND	2	32	1	3	3	72	1.54	.092	8	9	.78	26	.01	3	2.06	.01	.37	7	215
FX 413570	24	42	2	57	.3	8	12	255	3.33	64	5	ND	1	26	1	2	2	92	4.63	.071	7	9	.75	79	.01	16	2.84	.01	.70	1	36
FX 413571	24	41	10	76	.1	11	16	433	4.46	98	5	ND	1	25	1	2	2	99	.51	.083	7	8	.80	16	.01	2	1.67	.01	.15	2	108
FX 413572	18	36	2	41	.1	6	12	1499	2.83	81	5	ND	1	92	1	2	2	79	9.20	.049	6	12	1.00	262	.01	66	2.75	.02	1.12	2	117
FX 413573	28	61	9	74	.1	19	17	362	4.58	83	5	ND	2	29	1	2	3	103	1.37	.105	9	16	1.03	33	.01	3	2.31	.01	.32	6	100
FX 413574	24	60	3	67	.1	3	14	353	4.20	95	5	ND	1	29	1	2	2	88	.86	.076	7	5	.95	196	.01	2	2.02	.01	.16	1	103
FX 413575	43	95	20	47	.1	17	13	159	4.59	190	5	ND	1	17	1	2	2	108	.62	.075	4	26	.70	15	.01	2	1.77	.01	.16	3	412
STD C/AU-R	20	64	42	138	7.8	71	31	1061	4.10	42	23	7	37	53	19	16	23	60	.53	.096	39	59	.87	182	.07	37	1.95	.06	.15	13	515

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413576	24	106	4	81	.1	19	20	340	6.59	146	5	ND	2	20	1	2	2	141	.68	.133	10	38	1.60	12	.01	2	2.72	.01	.23	1	60
FX 413577	15	149	4	65	.1	15	17	1019	4.87	85	5	ND	1	46	1	2	3	120	3.93	.111	6	32	1.46	20	.01	2	2.92	.01	.42	1	39
FX 413578	15	74	7	71	.1	16	21	2144	5.05	96	5	ND	1	67	1	2	2	126	5.01	.125	8	35	1.77	22	.01	2	2.88	.01	.37	1	47
FX 413579	33	100	5	78	.2	19	23	504	5.92	83	5	ND	1	23	1	2	2	152	1.29	.136	6	40	1.84	17	.01	14	3.23	.01	.30	1	53
FX 413580	38	172	8	89	.1	22	27	1676	6.87	103	5	ND	2	65	1	3	3	147	2.73	.159	8	46	2.00	29	.01	3	2.91	.02	.29	2	35
FX 413581	46	182	2	64	.1	16	18	238	4.34	97	5	ND	2	20	1	2	2	131	2.40	.090	7	33	1.23	47	.01	21	3.51	.01	.59	2	48
FX 413582	23	86	3	65	.1	18	23	503	4.68	100	5	ND	1	48	1	2	2	142	1.66	.116	5	30	1.30	29	.01	2	2.58	.01	.31	1	54
FX 413583	27	91	2	65	.1	15	18	347	5.78	125	5	ND	2	25	1	2	2	162	2.52	.105	8	34	1.28	29	.01	19	3.67	.01	.53	2	100
FX 413584	24	79	3	67	.1	14	18	355	4.92	122	5	ND	1	29	1	2	2	160	4.65	.105	6	35	1.37	45	.01	3	4.22	.01	.74	1	97
FX 413585	20	55	2	47	.1	15	13	202	3.41	71	5	ND	1	13	1	2	2	110	1.46	.075	4	26	1.01	21	.01	14	2.35	.01	.32	1	82
FX 413586	14	71	2	35	.1	11	10	179	2.61	37	5	ND	1	9	1	2	2	78	.75	.057	4	25	.86	15	.01	2	1.70	.01	.27	2	16
FX 413587	9	49	2	34	.1	15	9	158	2.41	17	5	ND	1	7	1	2	2	59	.13	.054	5	29	.98	12	.01	13	1.60	.01	.20	1	9
FX 413588	7	34	3	26	.2	13	8	207	1.95	16	5	ND	1	7	1	2	2	75	.52	.033	2	28	.93	12	.01	22	1.60	.01	.26	2	8
FX 413589	22	73	5	47	.3	13	14	265	3.76	54	5	ND	2	16	1	2	2	87	.47	.086	8	19	1.05	17	.01	17	1.93	.01	.27	2	52
FX 413590	21	75	4	50	.2	12	15	1810	3.61	39	5	ND	1	123	1	2	2	60	6.87	.089	9	12	1.27	17	.01	10	1.89	.01	.21	1	42
FX 413591	14	81	4	61	.1	22	18	881	4.45	53	5	ND	1	64	1	2	2	75	2.49	.083	12	44	1.69	16	.01	2	2.46	.01	.25	1	43
FX 413592	16	97	4	67	.2	16	20	1559	5.12	41	5	ND	2	139	1	2	2	78	5.72	.112	10	42	1.67	27	.01	2	2.52	.01	.32	1	14
FX 413593	14	109	2	63	.1	13	17	1421	4.29	39	5	ND	1	100	1	2	2	64	3.58	.090	9	18	1.43	22	.01	2	2.16	.01	.29	1	46
FX 413594	18	124	4	62	.1	14	17	1807	4.46	39	5	ND	1	92	1	2	2	69	4.25	.123	11	27	1.52	22	.01	2	2.29	.01	.31	1	17
FX 413595	23	93	4	69	.1	15	20	1623	5.00	52	5	ND	2	35	1	3	3	78	1.23	.106	9	20	1.55	68	.01	2	2.38	.01	.35	2	22
FX 413596	17	78	5	51	.3	15	14	276	3.98	40	5	ND	1	16	1	2	2	64	.34	.092	10	29	1.17	16	.01	11	2.04	.01	.31	1	32
FX 413597	9	57	2	45	.1	10	12	315	2.92	23	5	ND	1	13	1	2	2	50	.36	.070	5	11	.94	17	.01	2	1.65	.01	.29	1	16
FX 413598	9	70	3	50	.2	8	9	220	2.68	30	5	ND	1	12	1	3	2	72	1.04	.081	5	13	.84	25	.01	15	2.25	.01	.50	1	13
FX 413599	8	71	3	49	.1	8	8	185	2.52	26	5	ND	1	13	1	2	2	89	1.63	.073	5	12	.77	30	.01	14	2.67	.01	.58	1	10
FX 413600	11	50	3	30	.2	10	6	122	1.93	29	5	ND	1	10	1	2	2	61	.43	.051	4	14	.46	29	.01	3	1.28	.01	.26	1	17
FX 413601	12	34	3	28	.1	13	6	111	1.92	40	5	ND	1	10	1	3	2	53	.25	.038	3	27	.44	15	.01	15	1.14	.01	.18	1	19
FX 413602	38	40	3	16	.1	12	4	62	1.75	69	5	ND	1	10	1	3	2	44	1.22	.027	2	17	.20	118	.01	6	1.37	.01	.28	1	100
FX 413603	16	33	4	33	.2	12	6	60	1.99	62	5	ND	1	16	1	2	2	61	.63	.038	4	12	.32	49	.01	3	1.82	.01	.35	2	27
FX 413604	32	67	8	42	.2	19	9	70	2.72	87	5	ND	1	15	1	5	2	59	.30	.051	5	30	.45	23	.01	7	1.51	.01	.21	2	54
FX 413605	45	46	2	44	.1	17	7	71	2.34	59	5	ND	1	18	1	3	2	52	.28	.047	6	24	.37	40	.01	17	1.37	.01	.17	1	40
FX 413606	7	7	3	65	.1	10	3	76	1.70	36	5	ND	1	43	1	2	2	56	1.16	.079	9	26	.34	37	.01	3	1.40	.02	.18	1	10
FX 413607	61	8	4	27	.2	15	7	47	.86	222	5	ND	1	24	1	4	2	33	1.46	.045	9	16	.15	19	.01	18	1.54	.01	.39	1	375
FX 413608	157	3	3	67	.1	12	7	581	1.50	34	5	ND	1	220	1	2	2	45	8.96	.067	12	23	.38	17	.01	9	1.46	.02	.13	1	6
FX 413609	95	4	2	51	.1	9	4	593	1.23	21	5	ND	2	250	1	2	2	27	11.90	.036	7	8	.17	18	.01	11	.44	.01	.13	1	48
FX 413610	17	1	2	86	.1	11	7	733	1.56	5	5	ND	1	449	1	2	2	26	16.54	.057	14	11	.33	18	.01	7	.72	.01	.10	1	1
FX 413611	14	2	2	70	.2	10	6	799	1.75	67	8	ND	1	675	1	2	2	30	19.19	.053	11	9	.28	8	.01	3	.66	.01	.06	1	9
STD C/AU-R	18	59	38	132	7.2	72	28	1003	3.89	41	22	6	36	49	17	14	18	56	.50	.086	36	55	.87	172	.07	33	1.88	.06	.14	11	480

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU** PPB
FX 413612	13	70	4	83	.3	24	19	1174	3.29	44	5	ND	2	446	1	2	2	92	14.28	.143	13	75	.54	17	.01	8	1.46	.01	.11	1	18
FX 413613	14	14	6	60	.1	13	4	324	2.52	27	5	ND	1	81	1	2	2	52	2.65	.095	9	37	.39	18	.01	9	.99	.01	.06	1	24
FX 413614	20	7	2	33	.1	13	8	96	1.15	96	5	ND	1	34	1	2	2	52	2.26	.091	13	30	.22	87	.01	3	1.70	.01	.29	3	118
FX 413615	22	8	4	74	.1	21	6	350	2.59	102	5	ND	2	58	1	4	2	87	3.85	.062	11	35	.33	41	.01	4	1.73	.01	.29	5	81
FX 413616	173	3	10	68	.2	13	8	508	2.49	67	5	ND	1	119	1	2	2	69	5.42	.049	8	18	.35	31	.01	6	1.92	.01	.32	3	68
FX 413617	9	9	2	129	.2	25	16	632	3.30	82	5	ND	1	154	1	2	2	58	5.13	.073	9	15	.56	18	.01	9	1.18	.01	.21	1	14
FX 413618	150	7	4	36	.3	8	6	443	1.12	11	5	ND	1	137	1	2	2	19	4.47	.024	4	5	.21	10	.01	12	.54	.01	.16	1	10
FX 413619	104	34	2	34	.1	12	5	223	1.52	25	5	ND	1	65	1	2	2	28	1.87	.056	2	9	.24	18	.01	2	.63	.01	.16	1	25
FX 413620	79	10	2	18	.1	7	2	806	.87	23	5	ND	1	339	1	2	2	18	11.98	.022	3	7	.12	8	.01	17	.44	.01	.09	1	54
FX 413621	47	7	2	10	.1	10	2	230	.54	9	5	ND	1	90	1	2	2	8	3.04	.011	2	9	.04	5	.01	19	.17	.01	.04	1	23
FX 413622	114	3	4	13	.1	8	2	494	.64	13	5	ND	1	295	1	2	2	8	9.85	.010	2	7	.09	7	.01	2	.16	.01	.03	1	35
FX 413623	118	8	3	29	.3	10	5	568	1.80	50	5	ND	1	198	1	2	2	12	7.31	.015	2	5	.16	6	.01	2	.29	.01	.05	4	81
FX 413624	21	11	2	132	.1	16	8	1521	5.49	30	5	ND	2	192	2	2	2	86	10.01	.055	6	8	1.04	14	.02	5	2.02	.01	.04	1	7
FX 413625	81	22	7	132	1.5	19	10	1657	5.51	35	5	ND	2	148	2	2	2	89	10.40	.090	6	10	1.00	10	.04	2	2.27	.01	.02	2	59
STD C/AU-R	18	61	38	128	7.9	73	30	1022	3.83	37	17	7	36	48	18	14	21	53	.50	.093	35	53	.89	175	.07	33	1.90	.06	.14	11	490

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Epi, B.C.
BH 72484
FX 413626-697

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 13 1989 DATE REPORT MAILED: June 19/89 SIGNED BY. ......D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

INCO GOLD COMPANY File # 89-1456 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413626	26	64	10	97	.2	16	10	221	4.78	110	6	ND	2	32	1	9	2	66	.39	.056	14	7	.51	50	.01	6	1.91	.02	.23	1	15
FX 413627	8	39	3	46	.3	7	13	842	2.08	62	5	ND	2	262	1	2	2	22	9.38	.075	7	2	.47	42	.01	2	.90	.01	.17	2	3
FX 413628	14	68	7	72	.2	12	7	575	3.27	72	5	ND	2	85	1	3	2	38	2.82	.073	12	10	.54	29	.01	6	1.16	.01	.11	1	10
FX 413629	16	170	4	74	.3	23	22	1122	4.67	50	5	ND	2	54	1	2	2	92	1.29	.157	15	25	1.00	31	.01	3	1.23	.01	.17	1	27
FX 413630	45	79	8	70	.2	23	11	841	3.32	63	5	ND	2	100	1	3	3	57	5.82	.054	7	4	2.41	32	.01	5	.63	.02	.12	1	28
FX 413631	9	72	6	216	.1	21	10	603	3.26	68	5	ND	2	385	6	2	2	119	13.94	.053	10	8	.91	17	.01	2	.79	.01	.10	1	12
FX 413632	19	125	5	78	.3	18	15	203	2.39	63	5	ND	2	70	1	2	3	54	1.25	.087	23	11	.84	32	.01	2	.90	.02	.08	1	8
FX 413633	25	59	2	238	.2	105	31	1284	3.59	35	5	ND	1	323	1	2	2	44	13.24	.055	12	8	.84	19	.01	2	.74	.01	.06	1	3
FX 413634	4	77	4	78	.1	18	19	259	2.28	54	5	ND	2	63	1	2	2	44	.91	.087	16	7	.89	18	.01	8	1.01	.02	.10	1	6
FX 413635	5	52	6	60	.2	14	20	168	1.63	42	5	ND	2	63	1	2	2	38	.80	.100	11	6	.75	17	.01	6	1.07	.02	.13	1	4
FX 413636	12	56	7	75	.2	18	7	117	2.99	69	5	ND	2	38	1	2	3	63	.48	.096	14	22	.52	16	.01	2	1.20	.01	.13	2	31
FX 413637	7	75	9	91	.2	28	5	66	1.76	58	5	ND	2	42	1	2	2	54	.67	.129	29	43	.33	50	.01	9	.95	.01	.12	1	12
FX 413638	8	51	8	104	.2	32	5	44	2.11	70	5	ND	3	31	1	5	2	57	.39	.105	23	36	.33	22	.01	6	.97	.01	.13	1	12
FX 413639	6	53	9	103	.1	26	4	37	1.84	61	5	ND	2	34	1	2	2	57	.40	.095	24	41	.38	30	.01	11	.95	.01	.11	1	17
FX 413640	6	45	9	80	.1	23	4	34	1.78	59	5	ND	2	36	1	3	2	57	.54	.151	37	38	.29	23	.01	4	.88	.01	.12	1	14
FX 413641	7	51	8	72	.2	25	4	35	1.94	66	5	ND	2	32	1	2	2	60	.43	.110	16	50	.32	31	.01	2	.90	.01	.11	2	14
FX 413642	16	87	9	65	.1	22	4	50	1.84	75	5	ND	2	19	1	3	3	69	.89	.056	14	40	.27	29	.01	23	1.22	.01	.29	2	28
FX 413643	9	36	4	56	.2	16	2	54	1.22	40	5	ND	1	24	1	2	3	50	.81	.084	14	39	.19	21	.01	2	.77	.01	.11	3	10
FX 413644	9	41	6	61	.1	19	3	72	1.24	38	5	ND	2	30	1	2	2	40	.58	.087	16	35	.17	45	.01	21	.57	.01	.09	1	16
FX 413645	17	64	5	75	.1	19	4	129	2.52	71	5	ND	3	42	1	8	2	68	.74	.129	23	36	.31	16	.01	2	1.01	.01	.08	4	15
FX 413646	12	218	8	111	.3	54	49	116	3.07	287	5	ND	2	85	6	15	2	73	1.08	.224	13	35	.72	17	.01	3	1.40	.02	.08	1	20
FX 413647	13	194	5	100	.3	26	28	196	3.38	141	5	ND	2	40	1	8	2	86	.57	.109	13	28	.55	17	.01	8	1.00	.01	.15	1	28
FX 413648	145	59	5	83	.1	13	11	327	1.69	33	5	ND	7	58	1	2	2	41	1.56	.108	28	15	.49	22	.01	10	.91	.01	.14	1	16
FX 413649	54	90	7	99	.1	26	19	810	3.21	57	5	ND	4	117	1	2	2	52	4.32	.099	19	18	.81	27	.01	4	.96	.01	.16	1	19
FX 413650	23	286	3	103	.2	18	21	768	3.83	61	5	ND	3	153	1	3	2	88	4.64	.104	8	18	1.15	95	.03	2	1.60	.02	.27	1	9
FX 413651	12	38	2	33	.1	10	4	1208	1.27	16	5	ND	2	511	1	2	2	29	17.98	.107	15	19	1.02	17	.01	5	.71	.01	.03	2	6
FX 413652	15	50	5	81	.1	13	3	1609	4.60	51	5	ND	1	466	1	2	2	36	16.43	.086	13	13	1.09	13	.01	4	.79	.02	.04	5	2
FX 413653	3	59	2	52	.3	25	7	1192	1.17	20	5	ND	3	845	1	2	2	60	25.70	.079	12	26	.88	11	.01	2	.59	.01	.05	1	6
FX 413654	2	54	3	46	.1	15	5	520	1.02	14	5	ND	2	868	1	2	2	53	28.22	.074	10	21	.28	13	.01	2	.51	.01	.06	2	9
FX 413655	7	127	6	76	.3	30	22	837	5.11	23	5	ND	6	218	1	2	2	119	8.20	.216	46	41	1.79	43	.01	2	1.75	.02	.13	1	11
FX 413656	1	88	4	68	.1	48	22	887	4.51	10	5	ND	5	240	1	2	2	95	8.07	.309	65	126	2.67	64	.01	2	2.29	.02	.13	1	7
FX 413657	1	51	4	68	.1	54	26	903	4.33	14	5	ND	6	230	1	2	3	97	7.86	.304	67	124	2.94	39	.01	8	2.09	.02	.06	1	10
FX 413658	1	50	4	70	.1	29	23	676	4.11	12	5	ND	8	140	1	2	2	92	4.20	.372	99	19	1.94	72	.01	2	1.58	.02	.14	1	7
FX 413659	49	26	3	125	.1	36	14	1831	9.74	58	5	ND	3	138	1	2	2	137	4.66	.084	17	44	2.24	37	.01	2	1.84	.03	.07	1	42
FX 413560	13	11	5	41	.2	6	5	343	2.60	22	5	ND	10	76	1	2	2	21	2.33	.051	9	3	.50	31	.01	6	.45	.01	.15	2	19
FX 413661	16	20	10	41	.3	6	3	418	1.33	55	5	ND	10	104	1	2	2	4	2.67	.040	12	3	.26	20	.01	3	.38	.01	.16	1	47
STD C/AU-2	19	63	37	132	6.5	73	29	1010	4.07	44	19	7	36	49	17	15	23	56	.52	.091	36	55	.88	173	.07	33	1.96	.06	.14	11	520

SAMPLE	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM
FX 413662	18	9	10	34	.1	4	3	377	1.52	14	5	ND	11	73	1
FX 413663	22	7	13	45	.1	5	3	348	1.38	4	5	ND	11	89	1
FX 413664	12	9	10	42	.1	4	2	303	1.18	7	5	ND	8	69	1
FX 413665	7	9	13	44	.1	5	3	299	1.18	15	5	ND	10	86	1
FX 413666	13	12	13	38	.3	4	3	426	1.29	7	5	ND	10	78	1
FX 413667	5	22	12	56	.8	8	6	780	1.48	131	5	ND	12	291	1
FX 413668	15	16	4	57	.3	14	6	1260	4.18	323	6	ND	5	245	1
FX 413669	203	19	6	70	.4	29	5	529	2.48	87	5	ND	1	77	1
FX 413670	5	22	2	49	.1	18	2	386	1.14	17	5	ND	1	670	1
FX 413671	18	202	10	83	1.4	10	8	567	3.10	33	5	ND	2	295	1
FX 413672	20	143	3	69	.7	7	8	739	2.97	46	5	ND	1	290	1
FX 413673	67	10	2	46	.1	13	2	406	.64	8	5	ND	1	826	1
FX 413674	82	3	5	64	.1	6	5	332	.98	5	5	ND	8	166	1
FX 413675	224	8	4	90	.2	22	5	721	2.25	8	5	ND	2	406	1
FX 413676	68	91	3	52	.3	6	5	352	1.91	16	5	ND	2	472	1
FX 413677	137	8	2	38	.1	8	2	463	.70	4	6	ND	2	634	1
FX 413678	239	3	9	28	.1	5	1	385	.50	4	5	ND	2	521	1
FX 413679	52	11	9	21	.1	6	1	328	.37	7	5	ND	2	585	1
FX 413680	21	3	5	26	.1	3	1	270	.36	3	5	ND	1	829	1
FX 413681	69	2	3	37	.1	5	2	466	.35	7	5	ND	1	650	1
FX 413682	29	21	7	22	.1	7	1	289	.35	7	5	ND	1	684	1
FX 413683	6	57	7	19	.4	12	3	273	.50	10	7	ND	5	686	1
FX 413684	18	18	3	39	.1	14	3	481	.90	11	5	ND	1	684	1
FX 413685	20	9	9	20	.1	6	1	310	.38	2	5	ND	1	833	1
FX 413686	41	3	5	18	.1	4	1	389	.30	2	5	ND	1	656	1
FX 413687	48	3	7	38	.4	10	3	290	.54	13	6	ND	4	536	1
FX 413688	54	3	5	32	.1	8	2	267	.51	8	7	ND	2	579	1
FX 413689	83	3	7	35	.5	11	2	247	.54	9	7	ND	5	484	1
FX 413690	87	2	5	98	.1	27	7	404	1.31	12	5	ND	2	497	1
FX 413691	124	3	2	16	.1	5	1	269	.20	2	5	ND	1	578	1
FX 413692	561	10	6	21	.1	5	1	392	.35	4	5	ND	1	565	1
FX 413693	198	206	5	116	.5	4	9	273	2.78	18	5	ND	1	136	1
FX 413694	39	70	8	81	.4	5	5	520	3.17	30	5	ND	2	202	1
FX 413695	14	115	5	94	.4	7	8	445	2.99	30	5	ND	2	129	1
FX 413696	74	5	5	35	.2	5	2	340	.65	6	5	ND	2	492	1
FX 413697	32	6	3	28	.1	4	1	227	.42	15	5	ND	1	597	1
STD C/AU-R	18	60	39	132	7.2	73	29	917	3.87	40	18	6	36	48	17

SAMPLE	[illegible] PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au PPB
FX 413662	2	2	9	2.41	.041	14	5	.37	21	.01	2	.54	.01	.13	1	19
FX 413663	2	2	10	1.98	.042	16	5	.39	23	.01	10	.56	.02	.11	1	18
FX 413664	2	2	6	2.22	.038	12	5	.27	15	.01	2	.60	.01	.12	1	17
FX 413665	2	2	3	2.19	.041	12	4	.29	15	.01	7	.55	.01	.13	1	18
FX 413666	2	2	6	2.61	.045	12	4	.52	27	.01	2	.59	.01	.12	1	29
FX 413667	2	2	6	6.22	.056	14	3	.53	43	.01	5	.62	.01	.17	1	72
FX 413668	2	2	102	13.59	.090	12	24	.28	30	.04	2	1.55	.01	.05	2	46
FX 413669	2	2	72	8.36	.075	13	35	.26	113	.02	5	1.52	.01	.25	3	276
FX 413670	2	2	36	19.50	.081	11	19	.36	22	.04	3	.92	.01	.04	3	20
FX 413671	2	2	74	8.94	.106	10	11	.35	21	.01	7	1.38	.02	.10	1	53
FX 413672	2	2	62	8.75	.100	10	3	.75	25	.01	8	1.28	.02	.08	1	16
FX 413673	2	2	25	23.53	.090	7	17	.70	35	.02	3	.53	.02	.04	2	3
FX 413674	2	2	16	4.34	.066	14	11	.48	57	.06	10	.68	.04	.10	1	2
FX 413675	2	2	51	13.69	.088	7	31	.70	13	.04	2	1.17	.01	.04	1	10
FX 413676	2	2	59	14.08	.097	7	9	.62	31	.07	2	.94	.03	.10	1	5
FX 413677	2	2	31	19.97	.084	7	16	.48	15	.03	2	.63	.02	.03	2	2
FX 413678	2	6	26	23.35	.079	7	12	.11	10	.02	4	.52	.02	.03	1	3
FX 413679	2	2	11	28.85	.082	8	5	.05	54	.04	15	.50	.02	.04	2	5
FX 413680	2	2	10	27.87	.061	5	4	.07	17	.04	12	.45	.03	.02	1	5
FX 413681	2	2	15	25.31	.043	5	5	.19	7	.03	12	.53	.01	.01	1	2
FX 413682	2	2	9	28.02	.081	6	4	.05	9	.04	6	.40	.03	.01	1	4
FX 413683	3	6	9	24.30	.064	5	5	.09	15	.03	162	.43	.03	.05	3	6
FX 413684	2	2	22	24.03	.093	7	14	.18	11	.03	3	.51	.01	.03	1	5
FX 413685	2	5	11	30.11	.077	4	5	.09	10	.03	7	.38	.02	.01	1	5
FX 413686	2	2	12	33.66	.109	6	5	.03	12	.03	6	.39	.02	.01	1	5
FX 413687	3	2	17	19.16	.076	9	9	.16	7	.02	10	.38	.02	.06	3	4
FX 413688	2	2	21	19.93	.086	9	10	.10	6	.03	7	.46	.01	.03	2	23
FX 413689	3	6	20	19.58	.069	8	13	.06	5	.02	8	.36	.02	.05	3	5
FX 413690	2	2	33	17.74	.091	15	26	.26	8	.02	16	.52	.02	.05	1	57
FX 413691	2	2	10	22.00	.083	6	7	.06	6	.03	3	.27	.01	.01	1	3
FX 413692	2	3	13	27.02	.095	8	5	.03	20	.03	8	.47	.03	.03	1	4
FX 413693	2	2	85	3.49	.119	8	1	.85	39	.06	2	1.44	.05	.12	1	11
FX 413694	2	2	42	8.83	.112	13	1	.57	24	.01	6	1.66	.02	.19	1	9
FX 413695	2	2	73	5.19	.115	8	1	.72	38	.05	2	1.48	.03	.11	1	6
FX 413696	2	2	23	20.85	.087	7	10	.16	11	.03	3	.58	.01	.04	2	4
FX 413697	2	2	19	21.53	.067	4	5	.11	6	.02	6	.39	.01	.01	1	9
STD C/AU-R	14	20	56	.48	.091	36	54	.84	176	.07	34	1.91	.06	.14	11	490

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

BH 72484 FX 413732-792

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

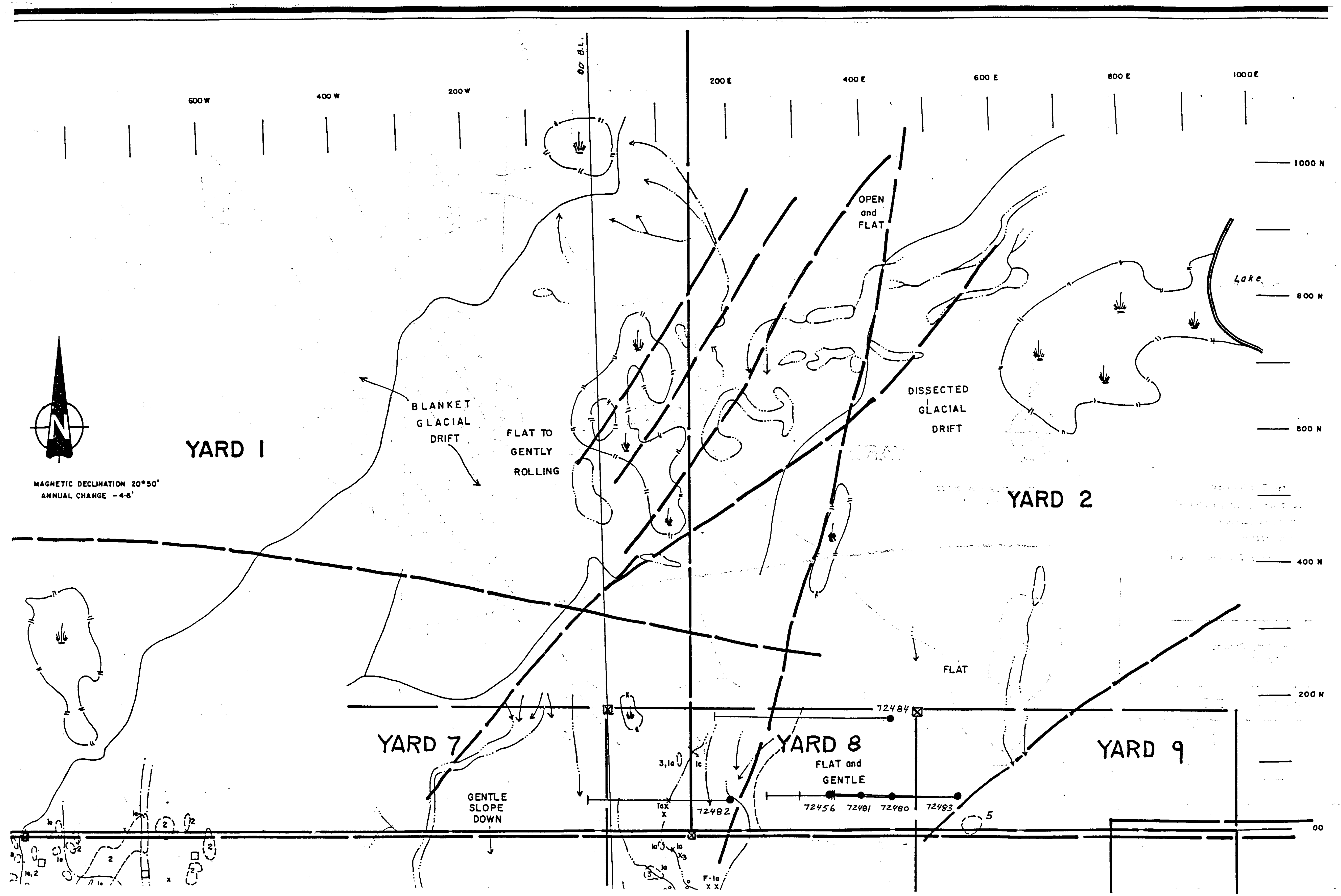
DATE RECEIVED: JUN 20 1989 DATE REPORT MAILED: *June 27/89* SIGNED BY. *C. Leong* ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

INCO GOLD COMPANY File # 89-1606 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU** PPB
FX 413732	45	2	4	73	.1	8	4	386	1.08	10	5	ND	1	385	1	2	2	23	13.61	.087	9	10	.37	15	.02	7	.85	.02	.05	1	1
FX 413733	69	3	2	53	.1	3	2	252	.49	3	5	ND	1	274	1	2	2	14	13.23	.072	6	6	.21	13	.04	3	.60	.02	.03	1	3
STD C/AU-R	18	57	38	132	7.1	66	29	957	3.97	40	18	7	36	47	17	14	21	56	.48	.086	37	55	.80	170	.06	34	1.88	.06	.14	13	485

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
FX 413734	30	2	2	36	.2	3	1	281	.57	13	5	ND	1	297	1	2	2	18	19.37	.053	5	4	.09	6	.04	2	.76	.02	.03	1	6
FX 413735	70	4	2	28	.2	2	1	248	.39	3	5	ND	1	240	1	2	2	17	19.28	.070	7	3	.02	5	.05	7	.54	.02	.02	1	5
FX 413736	34	5	2	28	.2	3	1	214	.43	3	5	ND	1	579	1	2	2	21	20.94	.075	6	6	.06	9	.04	3	.52	.01	.02	1	4
FX 413737	105	2	2	44	.2	4	2	283	.66	65	5	ND	1	467	1	2	2	15	18.01	.073	8	5	.14	22	.04	19	.82	.02	.08	1	9
FX 413738	37	2	2	27	.4	3	1	300	.55	3	5	ND	1	288	1	2	2	18	20.75	.065	6	4	.03	9	.04	5	.63	.01	.03	1	22
FX 413739	136	1	2	28	.1	2	1	250	.57	2	5	ND	1	159	1	2	2	26	12.72	.097	10	8	.34	17	.06	2	.60	.01	.07	1	4
FX 413740	56	25	2	47	.4	14	5	243	1.06	5	5	ND	1	242	1	2	2	20	7.49	.051	5	16	.73	16	.05	21	.85	.03	.05	1	16
FX 413741	76	15	3	80	.2	16	6	867	.79	5	5	ND	1	297	1	2	3	19	13.92	.039	7	15	.24	17	.01	6	.56	.02	.06	1	7
FX 413742	15	40	2	25	.1	57	21	171	.63	14	5	ND	1	109	1	2	2	12	3.07	.067	7	13	.43	3	.01	21	1.13	.04	.02	1	4
FX 413743	34	9	2	212	.1	32	9	160	8.39	57	5	ND	1	79	1	4	2	73	1.19	.133	25	33	.57	7	.01	2	1.63	.04	.06	4	11
FX 413744	18	7	2	93	.1	16	4	92	2.64	26	5	ND	2	98	1	2	2	86	2.30	.176	33	61	.79	5	.01	2	2.78	.05	.04	1	6
FX 413745	37	7	2	72	.1	9	4	921	1.51	11	5	ND	1	325	1	2	2	40	16.76	.105	21	25	.61	5	.01	3	1.09	.03	.03	1	8
FX 413746	19	3	2	47	.1	6	4	751	.87	21	6	ND	1	521	1	3	2	19	17.01	.069	13	13	.73	9	.02	6	.96	.02	.03	2	5
FX 413747	10	17	2	41	.2	13	5	374	1.24	7	5	ND	1	674	1	2	2	26	20.86	.062	6	16	.72	15	.03	6	.71	.01	.01	1	5
FX 413748	128	78	2	56	.3	19	12	470	2.20	28	5	ND	1	511	1	2	2	52	15.29	.110	7	27	.98	15	.04	4	1.06	.02	.03	1	10
FX 413749	154	5	2	72	.1	13	5	525	1.44	39	5	ND	1	688	1	2	2	25	21.70	.055	9	17	.48	8	.02	3	.82	.01	.05	1	29
FX 413750	109	8	2	59	.2	12	4	543	1.25	3	5	ND	1	653	1	2	2	29	24.94	.058	8	14	.50	4	.01	5	.72	.01	.03	1	9
FX 413751	94	9	2	62	.1	11	4	585	1.29	4	5	ND	1	649	1	3	2	22	23.52	.060	9	10	.34	14	.01	13	.71	.01	.09	1	5
FX 413752	74	11	2	33	.2	7	2	487	.81	3	5	ND	1	695	1	2	2	18	25.95	.057	5	8	.41	14	.01	6	.41	.01	.02	2	7
FX 413753	41	13	2	51	.1	11	3	614	1.32	5	5	ND	1	743	1	2	2	26	27.88	.064	8	8	.22	23	.01	8	.52	.01	.09	1	5
FX 413754	4	11	2	34	.1	7	3	648	1.30	15	5	ND	1	725	1	2	2	28	25.95	.055	6	7	.21	18	.01	2	.59	.01	.04	2	7
FX 413755	2	30	2	27	.2	5	2	437	.77	7	5	ND	1	721	1	2	2	17	27.41	.052	5	6	.16	8	.02	9	.44	.01	.03	2	4
FX 413756	15	3	2	24	.1	2	1	320	.48	3	5	ND	1	342	1	2	2	14	22.32	.078	7	4	.07	7	.03	6	.47	.01	.02	1	5
FX 413757	67	2	2	76	.1	11	5	666	1.94	21	5	ND	1	392	1	2	2	34	16.75	.073	10	14	.58	24	.03	2	.97	.02	.08	1	25
FX 413758	104	3	2	92	.4	11	7	1253	3.73	3	5	ND	1	97	1	2	2	61	9.61	.078	3	10	.40	3	.06	3	1.42	.01	.02	6	44
FX 413759	146	7	2	77	.5	13	6	1022	3.03	28	5	ND	1	393	1	2	2	46	15.12	.051	3	8	.49	6	.02	2	.95	.01	.07	4	114
FX 413760	96	10	2	103	.3	13	7	900	2.74	5	5	ND	1	181	1	2	2	57	10.81	.071	4	10	.41	5	.05	4	1.31	.02	.04	15	20
FX 413761	136	10	5	89	.3	16	8	1012	3.33	28	5	ND	1	225	1	3	3	65	11.94	.068	4	11	.46	9	.03	2	1.26	.01	.08	1	39
FX 413762	198	14	3	102	.2	14	8	561	1.76	7	5	ND	1	284	1	3	2	44	11.87	.047	5	11	.79	14	.01	6	1.00	.02	.10	1	9
FX 413763	267	78	5	101	.2	19	10	427	2.03	6	5	ND	1	222	1	2	2	60	9.80	.068	5	12	.67	11	.07	7	1.14	.02	.07	1	5
FX 413764	184	70	4	77	.2	14	9	489	1.86	21	5	ND	1	242	1	2	2	28	11.28	.052	5	7	.39	20	.01	14	.90	.01	.23	1	14
FX 413765	100	126	3	109	.2	28	16	281	2.13	7	5	ND	1	103	1	2	2	76	4.30	.075	5	17	.56	24	.07	2	1.05	.03	.09	1	7
FX 413766	96	126	3	64	.2	27	19	205	1.91	20	5	ND	1	69	1	2	2	59	1.73	.076	4	16	.63	13	.01	2	1.22	.04	.10	1	9
FX 413767	26	39	2	50	.2	12	8	363	1.15	4	5	ND	1	103	1	2	2	48	5.10	.055	4	12	.27	15	.03	5	.70	.02	.07	1	5
FX 413768	33	20	4	117	.1	11	8	876	1.77	13	5	ND	1	145	1	2	2	33	9.19	.042	6	10	.35	71	.02	3	.68	.03	.04	1	53
FX 413769	32	49	2	31	.2	5	4	309	.87	4	5	ND	1	370	1	2	2	19	14.27	.047	3	7	.44	21	.04	5	.58	.02	.03	2	28
STD C/AU-R	17	58	39	132	6.7	68	30	942	4.03	41	19	7	38	49	18	15	22	58	.48	.088	39	54	.80	178	.07	37	1.92	.06	.13	11	530

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	[illegible] PPM	Au** PPB
FX 413770	12	25	7	49	.3	7	5	832	1.90	2	5	ND	1	357	1	2	2	29	17.76	.044	3	5	.32	8	.03	4	.75	.01	.03	27	10
FX 413771	70	39	3	55	.2	9	6	443	2.32	6	5	ND	1	176	1	2	3	38	9.36	.058	7	6	.46	14	.01	4	.93	.03	.14	1	44
FX 413772	57	11	8	41	.1	8	3	855	1.11	7	5	ND	1	463	1	2	3	16	28.46	.030	5	6	.19	7	.01	5	.34	.01	.08	1	2
FX 413773	7	24	6	29	.2	10	3	625	.82	5	5	ND	2	930	1	2	2	20	35.30	.060	6	7	.15	11	.01	8	.39	.01	.04	1	6
FX 413774	14	30	4	41	.2	21	4	937	1.07	11	5	ND	2	599	1	2	2	48	25.29	.059	7	14	.40	10	.02	4	.54	.01	.04	2	15
FX 413775	18	63	9	28	.3	17	4	631	.99	8	5	ND	1	719	1	2	2	31	29.21	.073	7	9	.27	24	.02	13	.59	.02	.04	1	6
FX 413776	10	16	5	20	.1	5	1	728	.82	13	5	ND	1	688	1	2	2	8	31.21	.025	3	3	.16	6	.01	2	.36	.01	.04	1	11
FX 413777	3	33	4	51	.2	7	3	488	1.09	7	5	ND	1	686	1	2	3	25	26.89	.057	6	8	.53	6	.02	2	.69	.01	.04	1	5
FX 413778	6	64	3	21	.2	16	3	374	.53	3	5	ND	1	531	1	2	3	13	26.16	.073	7	5	.23	7	.03	3	.44	.01	.03	3	3
FX 413779	16	61	[illegible]	22	.1	7	4	316	.66	3	5	ND	2	261	1	2	2	20	16.37	.065	4	4	.24	9	.06	4	.64	.02	.03	1	2
FX 413780	43	52	8	55	.2	10	4	351	1.42	3	5	ND	1	220	1	2	3	33	9.22	.077	4	6	1.37	7	.06	3	1.34	.02	.04	1	1
FX 413781	23	62	8	62	.3	14	11	401	2.95	12	5	ND	1	89	1	2	2	102	3.99	.058	3	28	1.32	8	.04	2	1.47	.01	.09	1	8
FX 413782	14	78	7	63	.1	16	13	524	3.39	12	5	ND	1	170	1	2	2	113	6.67	.065	4	34	1.77	49	.10	5	1.81	.02	.30	1	1
FX 413783	23	91	4	70	.2	20	18	459	4.32	37	5	ND	1	82	1	2	2	147	3.25	.099	5	48	1.94	25	.14	4	1.99	.03	.18	1	5
FX 413784	19	19	3	53	.2	6	5	377	1.09	6	5	ND	1	343	1	2	2	25	16.11	.057	6	7	.95	11	.04	5	1.00	.02	.08	1	5
FX 413785	314	13	7	78	[illegible]	11	7	326	1.89	24	5	ND	2	164	1	3	2	38	6.62	.034	5	25	1.01	5	.01	5	1.22	.01	.17	1	40
FX 413786	60	122	4	73	.1	8	14	523	3.21	16	5	ND	1	237	1	2	2	101	9.07	.174	7	5	1.76	19	.06	3	1.65	.04	.05	1	5
FX 413787	13	7	5	16	.1	3	1	349	.46	5	5	ND	2	254	1	2	2	10	16.90	.065	5	6	2.24	12	.02	5	.84	.03	.03	1	1
FX 413788	6	3	3	19	.2	6	1	420	.55	3	5	ND	2	230	1	2	2	15	18.62	.075	6	7	.51	6	.03	4	.61	.02	.02	1	1
FX 413789	40	20	2	61	.2	14	6	476	1.53	2	5	ND	2	199	1	2	2	55	10.06	.072	5	12	.66	11	.05	3	1.05	.02	.02	2	6
FX 413790	105	28	2	81	.1	17	8	634	2.58	9	5	ND	2	242	1	2	2	57	12.31	.104	5	10	.60	22	.05	12	1.13	.02	.03	6	8
FX 413791	187	64	6	36	.1	17	7	267	1.44	6	5	ND	2	170	1	2	2	35	5.19	.095	5	6	1.19	21	.06	4	.95	.03	.03	2	3
FX 413792	57	56	4	33	.1	12	7	223	1.20	5	5	ND	2	193	1	2	2	22	5.75	.070	5	6	1.32	23	.06	5	.98	.03	.03	2	4
STD C/AU-R	18	62	42	132	6.5	68	31	960	4.16	40	20	8	38	49	18	14	23	59	.53	.089	39	56	.94	177	.07	35	2.05	.06	.13	11	525



SYMBOLS

- Fx Float
- Float of unit 3
- Float of unit 1a cut by quartz veins
- Outcrop of bedrock, large and small.
- Direction of drainage, minor and major.
- Schistosity, inclined and vertical
- Road, secondary graded and bush.
- River
- Swamp, marsh
- Adit, Trench
- Borehole (72499)
- Legal claim post, claim post.
- Site of stored drill core
- Cliff (mainly outcrop below ledge)
- Fault
- Air photo linear
- Building
- Geological contact – observed
- Geological contact – inferred.

LEGEND

MIOCENE

- 5 PLATEAU LAVA — Porphyritic olivine basalt.
- 4 DEADMAN RIVER FORMATION — Pebble conglomerate, siltstone.

———— UNCONFORMITY ————

CRETACEOUS

- 3 SILICEOUS CAP — Silicified Nicola, minor chalcedony matrix breccia, rare layered pool sinter.

———— UNCONFORMITY ————

TRIASSIC or JURASSIC

- 2 THUYA BATHOLITH — Biotite hornblende granodiorite

———— INTRUSIVE CONTACT ————

LATE TRIASSIC

- 1 NICOLA GROUP — Andesitic lapilli tuff, augite phenoclasts common:
  - a – argillized ± silicified
  - b – carbonatized (mainly ankerite)
  - c – chloritic, calcareous
  - d – actinolite tactite.
  - e – diopside-garnet ± actinolite tactite

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,136

INCO GOLD
INCO GOLD COMPANY, A UNIT OF INCO LIMITED
Copper Cliff, Ontario
POM 1NO

Project: YARD 1-9, YARD A & B Fr. CLAIMS		Area: Vidette L., Clinton M.D., B.C.	
DRILL HOLE LOCATION MAP		SHEET	FIGURE 3
Supervisor: WIM GROENEWEG	Instrument:	Survey date:	
Compiled by: J. A. MORIN	Drawn by: J. A. M.	Date drawn: 8/31/89	Revised:
Scale: 1:5000	File:	N.T.S. 92 P/2 W.	