

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

Canamera/Copper Canyon
 Releg 827586
 85-1 X METRIC UNITS 92B/13
 IMPERIAL UNITS

HOLE NUMBER 85-1	GRID C.G. 22-G	FIELD COORDS	LAT. <i>IDEAL GRID</i> 1+27 W	DEP. 4+18 N	ELEV. 138m	COLLAR BRNG. 022°	COLLAR DIP -55°	HOLE SIZE NQ	FINAL DEPTH 62.8 m
PROJECT PN 326	CLAIM #	SURVEY COORDS.				DATE STARTED: DATE COMPLETED:	CONTRACTOR: F. BOISVENUE CORE STORAGE: 6722 LAKES RD. DUNCAN, BC. CASING: LEFT IN, CAPPED		

PURPOSE **(RELOG) EXPLORE DOWN-DIP PROJECTION OF THE SEMI-MASSIVE PY-CRY-QTZ VEIN^S EXPOSED IN THE COPPER CANYON WORKINGS**

RQD LOG
 COLLAR SURVEY
 PULSE EM SURVEY
 MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH ()	CORRECTED ANGLE	DEPTH ()	CORRECTED ANGLE	DEPTH ()	AZIMUTH	DIP	DEPTH ()	AZIMUTH	DIP

HOLE NO 85-1
 ZIPPY PRINT * - BRIDGEPORT, RICHMOND

LOGGED BY M. J. GRAY

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 TO 5.5m	CASING / OVERBURDEN							
5.5 To 6.5 M	RHYODAC F. TUFF - QTZ EYE CX T.	LT-MED GREY / GREEN	VF-MX F-CX	W. FOLIATED F. RHYODAC T. WITH 2% QTZ EYES 1mm. MASSIVE LOOKING	FOL ^{IN} 60° BOT CTC ~ 45°	- VW SER ^Z	1% FG PY	LITHO: BCD # 6272 5.5-8.5
6.5 To 21.1 M	AND CX T, MINOR F. AND TUFF & DAC-AND TUFF	DK GREEN, LOC. MED- GREEN	F-MX F-M CX	VW FOLIATED, CRUDELY LAYERED AND CX TUFF & MINOR F AND TUFF & DAC-AND (QTZ EYE BEARING) CX T.	BOT CTC FOL ^{IT} 60°	- VW-M CHL ± SER - W-M SEL EP ² OF FP PHENOS - LOC VW-W PATCHY EP - W CALC ± HEM VENEETS <1-2mm THICK	2-5% PY AS DISS ^N + LOC. AS BLEBS	
				6.5-8.4 m: DAC-AND? TUFF - F. CX TUFF INCLUDING LOC 5% QTZ EYES <1mm (?), 5-8% <1-1 FP PHENOS. MED GREEN-GREY COLOR	FOL ^{IN} 60°	- VW-W CHL ± SER - TR EP	1-3% PY	CORE POSS MIXED-UP IN THIS INTERVAL.
				8.4-10.2m: AND TUFF & F LAM CHERTY TUFF(?)	LAYERING 25-30°	- W-M CHL - W QTZ 2mm VEINS	2-5% DISS PY	CHERTY TUFF @ 8.45-8.50 M
				10.2-13.2 m: M GREEN-GREY	FOL ^N	- W SER ± CHL	2-5% DISS PY	

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
6.5 to 21.1 m				13.2-21.1m: AND CX TUFF DK-MED GREEN, VW FOLIATED POSS CAUDE LAYERING DEFINED BY CX RICH BANDS. ALSO MINOR F AND TUFF A FP Ø DAC DYKE (19.0-19.2)	FOL ^N 60° BOT CTC FAULT 60°? LAYERING 45°? DKE CTC 15°(?)	- VW-W CHL ± SER. - W QTZ ± CALC VEINS 2-4mm THICK - LOC CALC + HEM VEINS 4mm THICK - MOD SEL EP ² OF FP TH-0 - LOCAL VW-W PATCHY EP BALL TYPE ALT ^N .	1-5% FG PY AS DISSEM ^N AVE 2% PY	BOT CTC BROKEN-UP & SHEARED
21.1 to 22.4 M	FAULT	DK-MED GREEN, MED-MED GREY, V. LT GREEN-GREY	VF	FAULT INCLUDES V SHEARED AND TUFF (21.1-21.7m), A CLAY-MND MED GREY GOUGE (21.7-21.8), GOUGE S SHEARED RHYODAC TUFFS (21.8-22.4)	SHEAR/ GOUGE 60° (45-75) BOT CTC 80°	- M-S SER ² ± CLAY IN GOUGE (RHYODAC)	3-5% FG DISS PY, MINOR PY & QTZ-PY STRINGERS (c/a 45°, 6mm THICK)	
22.4 to 29.9 M	RHYODAC - DAC MOTTLED TUFF - QTZ EYE CX TUFF	VLT. GREY - GREEN	VF MX F CX	W. FOLIATED, MASSIVE HOMOGENEOUS LOOKING RHYODAC F. TUFF / CX T. OR POSS. FLOW. 2-3% QTZ EYES <1mm, LOC 2-3% FP <1mm, 3-5% GREEN CLOTS OR PHENOS <1mm.	FOL'N 45-40°	- TR-VW SER ² - MOTTLED TEX DUE TO SILIC ^N ? OR POSS FLOW BANDING - LOC 2mm QTZ VEINETS	2-3% DISS FG PY	- NOTE CONSPICUOUS GREEN CLOTS OR STRETCHED PHENOS (5%) TH-0 INTERVAL. - BOT ^{BOUNDARY} CONTROL SUBJECTIVE, @ SHEAR 60°

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
29.9 TO	RHYODAC	VLT-LT	VF MX	W-S SHEARED/FOLIATED	FOL ^N /SHEAR	- TR-VW SER	1-5% DISS PY TH-0	- THIS SECTION IS ACTUALLY A
32.3 M	TUFF/QTZ EYE	GREEN-		RHYODAC UNIT SIM TO ABOVE.	50°	- LOC GOUGE PLANES E	AVE 3% DISSEM PY. ALSO	PART OF THE ABOVE RHYODAC, BUT
	-FP CX TUFF	GREY	F-CX	HAS W DENSITY (1/15cm)	(40-65)	CLAY/MVD - SER ALTN	STR PY+QTZ VARIATION AS	HAS BEST (ALTHOUGH UNIMPRESSIONABLE)
	STRINGER			OF QTZ-PY STR.		- LOC MOTTLED, SILICIFIED(?)	2-20mm VEINLETS	PY-QTZ STR OF THE HOLE
	ZONE			LOCALLY SHOWS MOTTLED TEX,			29.95; PY, 1mm, C/A 35°	IT COULD REPRESENT THE
	(POSS. FLOW?)			2-3% QTZ EYES <1-1mm, 2% FP?			29.4; PY-QTZ, 4mm, C/A 30°	COPPER CANYON QTZ+PY±CPY
				<1-1mm.			29.7; PY-QTZ-MVD, 20mm, C/A 65°	STRUCTURE AT A PLACE
				SECTION RELATIVELY BLOCKY			32.2; PY-QTZ, 5mm, C/A 10°	WHERE IT PINCHES.
							32.3; PY-QTZ, 15mm, C/A 45°	GEOCHEM: BCD #
32.3 TO	DAC-RHYODAC	LT	APH-VF	W FOLIATED, F. DAC-RHYODAC	FOL'N	- VW-W SER ²	2-5% DISS F.G PY, AVE	LITHO: BCD # 6273
45.1 M	TUFF-	GREEN-	MX	T. QTZ ± FP PHYRIC	50°	- VW QTZ ± CALC	2-3% PY	32.0-35.0
	CX TUFF,	GREY	F-CX	T. & MOTTLED TUFF (FLOW?)	(40-60)	1-3mm VEINLETS		
	LOCALLY				BOT CTC			
	MOTTLED				IRREG			
				32.3-36.6 m: MOTTLED	30°			
				(SILICIFIED?) RHYODAC TUFF	(20-55°)			
				OR FLOW(?) LOC 2% ^{<1-1mm} QTZ EYES				
				1-5% FP PHENOS. NOTE 1-5%				
				GREEN CLOTS OR PHENOS OF				
				INDISTINCT SHAPE, TH-0				

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
32.3 TO 45.1 M (CONT'D)				36.6-45.1 m. DACT. / CX T RHYODAC T. W-M FOLIATED LOCALLY S. SHEARED E MINOR GOUGE. SECTION IS CRUDELY LAYERED, NOT AS HOMOGENEOUS AS ABOVE RHYODAC.		- W LOC M SER ²	NOTE QTZ-PY VEINS @ 39.25-39.35; QTZ-10 PY, c/a 70° 41.1; 3mm QTZ-PY, c/a 80 42.2; NOTE @ 39.25-39.35 IS COARSE SUBHED PY IN VEIN QTZ + MINOR FP	
45.1 TO 46.40 M	AND T. OR DYKE	DK GREY - BLK	VF	MOD FOLIATED, REL HOMOGEN. LOOKING ND TUFF OR DYKE. POSS. DACITIC DUE TO GREY COLOUR. NOTE WH. LENSOID - IRREG SHAPED CALCITE FILLED AMYGD(?) OR DISS TYPE CARB ALTN.	FOL ^N 70° BDT CTC ~50° FAULT	- m CAL ² (POSS GREEN SER) - S CALC VEINLETS <1mm ON FRACTURES	- 5-8% CG EUHDRAL PY DISS ^{ED} IN BANDS	NO CHILLED MARGINS NOTED
46.40 TO 46.60 M	FAULT	MED DULL GREY-GREEN	VF	FAULT GOUGE OF ABOVE UNIT.	SHEAR/ GOUGE 40° BDT CTC 40°	- S SER ² + ^{CHL} CLAY	3-5% DISS FG PY	

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
46.6 TO	RHYODAC-	LT GREEN	ASH-	VW-W FOLIATED, MINERALIZED	FOL ^N	-TR-VW SER ^Z	-3-8% PY ^{FG} , AVE 3-5%	
62.0 AA	DAC TUFF/ CX TUFF	-GREY	VFG MX	RHYODAC TUFF/CX TUFF LOCALLY BANDED (SILICEOUS) F-CX POSS SAME MOTTLED UNIT LOCALLY. QTZ EYES 2-5% <1mm FP PHENOS NIL-10%, AVE 2-3%, <1mm. LOC GREEN CLOTS OR STREAKY MIN FRAGMENTS UP TO 5%	30-60°	-LOCALLY SILICIFIED(!)	DISS PY, LOC QTZ-PY±CPY VEINS/STR. (ie) 54.7m; 15mm, QTZ-PY, c/a 30-40° 55.1m; 1mm, PY, c/a 30° 59.2m; 20mm, QTZ-10PY-1CPY, c/a 50° Q/A	
				46.6 - 51.0m: W FOLIATED APHYRIC-F QTZ-FP CX TUFF. 2% QTZ EYES, 2-3% FP PHENOS CRUDELY LAYERED.				MIN MIN MIN
				51.0-54.2m: CRUDELY LAYERED F. DAC ASH & FP-QTZ PHYRIC F. CX T. QTZ EYES 2-3% <1mm FP 5-10% <1mm.	LAYERING			

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				54.2 - 62.0 m W-VW FOLIATED RHYODAC SILICEOUS TUFF \bar{c} CRUDE BANDED (SILICIFIED) APPEARANCE. DISTINCT SECTION NOT MOTTLED BUT RATHER BANDED. LOCALLY 1-5% QZ EYES, 1-10% PP PHENOS IN APH-F TUFF MX				LITHO: BCD# 6274 59.8 - 62.8 m
62.0 to 62.4 m	FAULT	VLT GREEN-GREY	VF	FAULT, INTENSELY SHEARED - GOUGE OF RHYODAC TUFF	GOUGE 60° SHEAR E	S SER ² /CLAY ALTERED	3% DISS FG PY	
62.4 to 62.8 m EDH	DAC F TUFF - F CX TUFF	LT. GREY-GREEN	VF-F	M FOLIATED DAC TUFF \bar{c} LOCALLY 2-3% QZ EYES <1-1mm	# TBP CTC 65° FOL ^N 50°	W-M SER ²	2-3% DISS PY	

LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES										TRACE ELEMENTS						Rock Wt%	^{ppm} ppm	Sr%	Zr%	Total
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	^{Ba} P₂O₅	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au						
6272	5.5	8.5	60.80	17.11	1.26	5.63	3.67	1.01	7.84	.22	0.53	.031	7	44	16	0.8	3	1	1	.01	.005	98.11	
mix Myodac and ext.			vw-m chl/ser, 1-3% py																				
6273	32.0	35.0	71.27	14.95	0.90	3.14	1.12	2.82	3.40	.13	0.29	.091	8	44	9	0.4	3	1	1	.01	.005	98.14	
dac-Myodac t/ext.			vw-w ser, 2-3% py																				
6274	59.8	62.8	70.94	14.80	0.32	3.45	1.76	2.31	3.87	.11	0.27	.070	6	35	7	0.7	5	1	1	.01	.005	97.91	
Myodac siliceous t.			vw ser, 3-5% py																				

Hole No. 85-1

Entered by M.J. GRAY

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Page No. 1 of 1

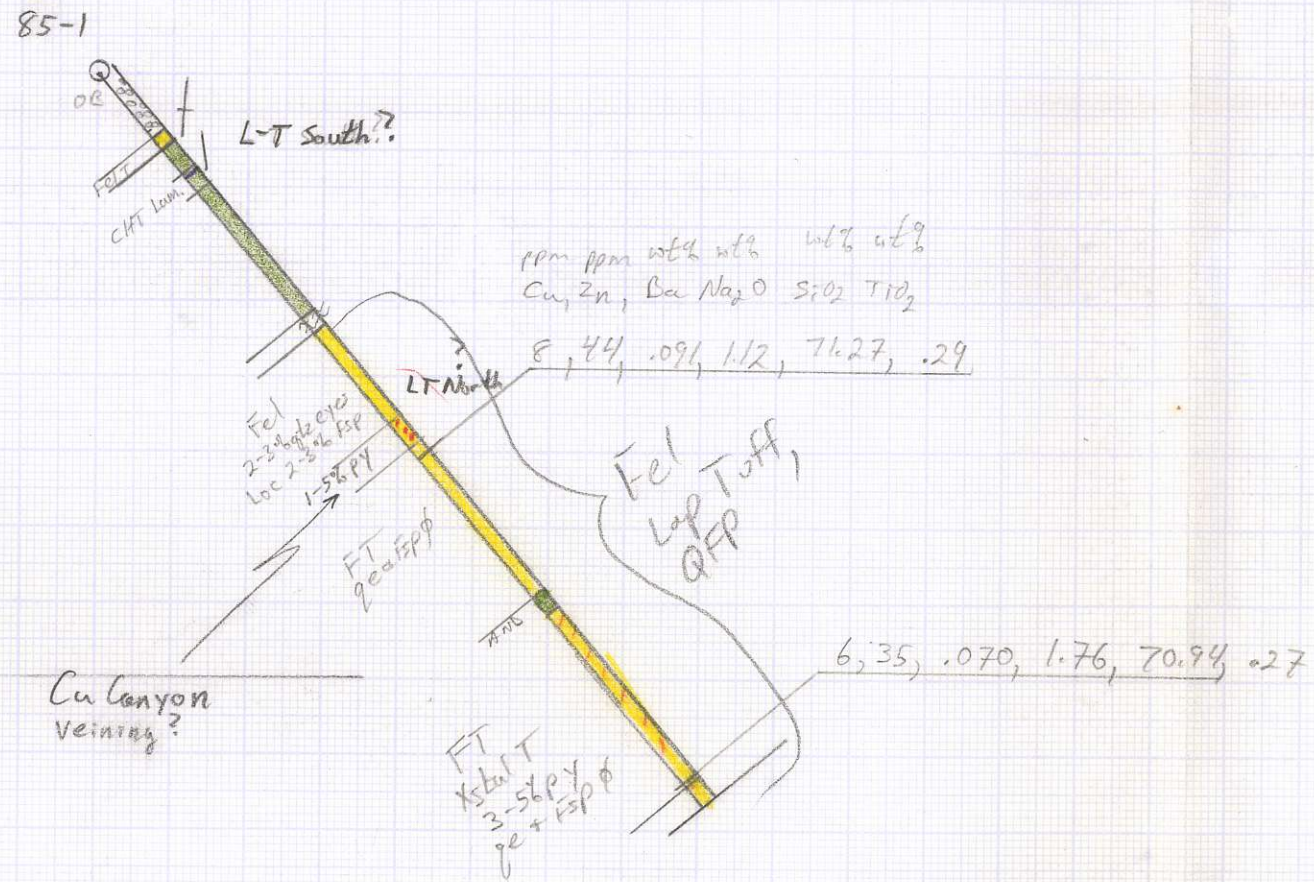
LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	As	Sb	Min B	Grid	Zn %
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	Ba P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au						
6272	5.50	8.50	60.80	17.11	1.26	5.63	3.87	1.01	7.94	.22	.53/.01	.031	7	44	16	.8	3	1	1	15		.005	
6273	32.00	35.00	71.27	14.95	.90	3.14	1.12	2.82	3.40	.13	.29/.01	.091	8	44	9	.4	3	1	1	10		.005	
6274	59.80	62.80	70.94	14.80	.32	3.45	1.76	2.31	3.87	.11	.27/.01	.070	6	35	7	.7	5	1	1	8		.005	

Hole No. 85-1 Entered by _____ Logged by _____ Page No. _____



Felsic Tuff, Qtz eye Xstbl Tuff = Footwall sequence
to L-T Horizon.

Section 0+00 W.
looking W.
1:500

Canamera 85-1 Summary Log

Location (MT Sicker Grid) 18+46W 6+09S

Az 022°
dip -55

NQ
TD 62.8m

Purpose: to test down-dip extension of Copper Canyon gtz-py-cpy stringer mineralization.

0.0 - 5.5 OB

5.5 - 6.5 <F TUFF> <VW ser> <1% py>

6.5 - 21.1 <AND TUFF> <W chl> <2-3% py>

+8.4 - 10.2+ <AND TUFFCHT>

21.1 - 22.4 <FAULT>

22.4 - 62.8 <FLT, QFP> <VW ser> <2-3% py>

+29.9 - 32.3+ <3% py> Cu Canyon stringers.

+45.1 - 46.4+ <AND T> <mchl> <5% py>

+46.4 - 46.6+ <FAULT>

+46.6 - 62.0+ <3-5% py>