Rea Gold 82M/4W
824612

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS 1987

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-89			98+20 NW	6+00 NE	~~1550 (approx)~~	225°	90°	NQ	89.9 M
PROJECT ~~328~~ 312	CLAIM # REA 1	SURVEY COORDS.	98+32	6+05.2	1543.7	DATE STARTED: April 28/87 DATE COMPLETED: April 29/87	CONTRACTOR: G+D CORE STORAGE:		CASING: No Casing Left

PURPOSE: To test down dip massive sulphides near RG 84

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
86.9M	87°			89.0M	123°	82°			

HOLE NO RG-89

LOGGED BY G. Evans

ZIPPY PRINT — BRIDGEPORT, RICHMOND

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.66M	CASING							CASING
3.66M to 15.24	ALTERED MAFIC PYROCLASTIC FLOW	Lt Grn -Yellow	F.Gr.	Weakly Foliated Lapilli size flattened // bedding fragments w/ vague remnant mafic phenos. (chl. alt^{n})	Fol^{n} 65° Bedding? 13.92M 55°	-Strong Qtz-Sericite Alt^{n} -Pervasive alt^{n} w/ lapilli better preserved -~ 2% Qtz veinlets -Weak weathering on fract -Intense sericite alt^{n} and quartz flooding -Occas. chl. pheno? -50+% Qtz	3-5% dissem py w/ occasional pyrite veinlet Occas lapilli w/ up to 10+% dissem py	
15.24 to 47.45	Highly alt'd Mafic Pyro? + Tuff w/ minor chert	Mafics Lt Yellow Chert Lt. Grey	FGr - Aphan.	-Mod. - Strongly Foliated -No remnant textures -Some tight folding w/ Qtz rods -Occas. 5-10 cm chert bed	Fol^{n} @ 18M 45°		5-8% dissem. py restricted to sericite and chl. bands -44.08-44.68 Qtz Vein tr tet. -42.4 - 42.75M Qtz vein w/ 15% Sulphides 4-5% Cpy, 5 % tetrag. 2-3% Galena, 3-4% sphalerite	No clear features to distinguish IDP est 20% s-- 5% sp, 5% Tet 5% py 3% cp 2% gn 42.75-44.2 40% recovery
47.45 to 51.09	Quartz Vein w/ Sulphides	White Quartz	Aphan	Fault gouge w/ clay + Qtz Vein 44.45-44.75M on contact White late stage QV with Micaceous pods and partings and sulphide patches	60°		47.75-48.15 Qtz Vein w/ 1-2% dissem py and .5% Tet 48.15 - 51.09 Qtz Vein w/ 30-35% s-- 20% tet, 5% sp, 5% py 2% cp.	
51.09 to 74.6	MASSIVE SULPHIDES & SULPHIDE RICH MUDDY TUFF	grey	VFGr	51.09 - 52.12 is mainly Massive sulphides with about 10-15% quartz-sericite gangue. This grades to sulphide rich muddy tuff with a minor chety (quartz?) component Primary sulphide is essentially	55m = 60° 59m = 50°	Strong micaceous alteration throughout	51.09-52.12 85% sulphides est 25% tet, 25% sp, 20% py 10% gn, 5% cp	

HOLE NO RG-89

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				pyrite with sphalerite-tet. usually associated with silica flooding. Rarely cp and gn can also be seen. Rock is generally quite competent but strongly foliated with local gouge zones and micaceous slips. These increase beyond ~65m	62= 55°		54.12 - 65 (approx) Averages 30-35% sulphides though local zones are almost massive pyrite. Overall: 25% py, 5% tet 5% sp minor cp, gn (short sections of ± 1m may be locally richer in sp-tet)	
				From ~70m on there is a distinctly cherty component.	72= 50°		65 - 74.6 5-10% py with local kicks in sp-tet averaging 1-2% sp, 1-2% tet overall.	
74.6 - 75.0	FAULT ZONE WITH QUARTZ	grey-white	aph	Broken, gougey zone with white bull quartz			Minor gn-sp (-tet) in vein.	
75.0 - 80.77	MAFIC TUFF, PYRO.	green-grey	fg.	Distinct mafic with vague frags locally. Numerous qtz veins. Non calcareous (unlike FW mafic). Quite homogeneous		Weak sericite-chl	1-2% disseminated py	
				contact with sharp @	30°			

HOLE NO RG-89

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
80.77 – 83.2	CHERT, CHERT BX AND CHERTY ARGILLITE	grey to black	aph	Typical grey to black "Rea Bx" type chert. Tectonically brecciated, locally folded. Strong shearing with micaceous, gouggy zones.	23°	Micaceous shears	5-10% fin py, in bands or disseminated	
83.2-83.3	FAULT GOUGE	black		Black, graphitic fault gouge.				
83.3 – EOH	MUDDY TUFF	grey	fg	Typical weakly pyritic muddy tuff. Sheared and silicified close to fault otherwise quite homogeneous debris flow. Abundant white spots of ? throughout		weak	10% py diss'd	
89.92	END	OF		HOLE				

HOLE NO RG-89

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ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au			% Na_2O	% Sb	% As	PPM Cu	PPM Zn	PPM Pb	Ag	Au			S.G.
BCD 5701	42.40	42.75			.35	.618	6.28	3.29	123.0	.49									3.59	.014			
BCD 5702	41.97	42.40			.43	.003	.03	.02	1.6	.01									.05	.001			
BCD 5703	42.75	47.45			4.70	.007	.02	.01	2.1	.03									.06	.001			
BCD 5704	47.45	48.15			0.70	.026	.01	.01	29.4	.34									.86	.01			
BCD 5705	48.15	49.9			1.75	3.23	1.59	.02	4250	5.66				2.41	0.36				123.96	.165			2.95 ~~2.17~~
BCD 5706	49.9	51.09			1.19	1.47	.56	.09	1890	3.24				.90	.04				55.13	.095			2.77
BCD 5707	51.09	52.19			1.1	3.31	15.2	8.4	4080	5.30				2.17	0.35				119.0	.155			3.70
BCD 5708	52.19	53.8			1.6	.153	1.62	.65	148	.56				.08	.04				4.32	.016			2.95
BCD 5709	53.8	55.3			1.5	.246	1.13	.32	261	.62				.13	.02				7.61	.018			3.18
BCD 5710	55.3	56.8			1.5	.151	4.12	2.10	775	1.85				.60	.10				22.60	.054			3.10
BCD 5711	56.8	58.3			1.5	.530	.22	.34	102	.35				.07	.01				2.98	.010			2.80
BCD 5712	58.3	59.8			1.5	.132	1.50	.61	338	.92				.28	.02				9.86	.027			2.89
BCD 5713	59.8	61.3			1.5	.038	1.17	.50	84.5	.43									2.46	.013			2.90
BCD 5714	61.3	62.8			1.5	.028	.25	.08	23.8	.30									.69	.009			3.04
BCD 5715	62.8	64.3			1.5	.014	.18	.09	16.0	.19									.47	.006			2.84
BCD 5716	64.3	65.8			1.5	.008	.09	.06	7.9	.13									.23	.004			2.74
BCD 5717	65.8	67.3			1.5	.039	.11	.03	2.6	.08									.08	.002			2.82
BCD 5718	67.3	68.6			1.3	.44	.08	.02	15.3	.10									.45	.003			2.80
BCD 5719	68.6	70.3			1.7	.189	1.23	.54	236	.22									6.88	.006			2.84
BCD 5720	70.3	71.8			1.5	.083	.57	.21	111	.22									3.24	.006			2.77

HOLE NO RG - 89

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	~~PPM~~ 03 Ag	~~PPB~~ 03 Au			SG
BCD 5721	71.8	73.3			1.5	·124	·26	·12	37·8	.09									1·1	·003			2·79
BCD 5722	73.3	74.8			1.5	·02	1·08	·51	89·0	.18									2·6	·005			
AVERAGES	48·15	52·19			4·04	2·73	4·99	2·32	3508·6	4·85									102·35	0·14			3·10
					(3·5m True)																		
	52·19	59·8			7·61	0·241	1·71	0·80	322	0·85									9·4	·025			2·98
					(6·6m True)																		
∴	48·15	59·8			11·65	1·10	2·85	1·33	1427	2·24									41·6	0·065			3·02
					(10·1m True)																		

HOLE NO RG - 89

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ZIPPY PRINT - BRIDGEPORT, RICHMOND

HOLE: RG-89 RQD LOG SHEET PROJECT: 328

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS
3.66	4.27	0	8	1	70°	6	Weath. E
4.27	7.01	0	50	1	65°	7	Weath E
7.01	11.28	0	55	0	50°	6	
11.28	13.72	.44M	50	2	60°	7	
13.72	16.76	.56M	38	2	75°	7	
16.76	17.38	0	8	0	70°	7	
17.38	20.42	.26M	68	2	75°	7	
20.42	23.47	.11M	54	2	65°	7	
23.47	26.52	.11M	56	3	60°	7	
26.52	29.57	.35M	62	0	60°	7	
29.57	32.61	.24M	66	2	60°	7	
32.61	35.66	.34M	59	0	55°	7	
35.66	38.71	0	80+	4	80°	3	
38.71	41.75	.37M	60	0	60°	7	
41.75	44.20	.27M	95	6	80°	6	
44.20	45.72	0	60	5	80°	6	
45.72	47.85	.13M	47	6	60°	4	
47.85	50.29	.24M	67	8	40°	6	
50.29	52.12	.13M	52	7	50°	7	
52.12	53.04	.49M	14	1	50°	9	
53.04	56.08	1.65M	59	2	60°	10	
56.08	59.13	1.45M	50	2	50°	10	
59.13	62.33	1.66M	37	3	45°	10	
62.33	65.38	1.10M	76	6	45°	9	
65.38	68.58	.47M	100+	2	45°	6	
68.58	71.63	.86M	70+	10	45°	6	
71.63	74.52	.30	100+	8	45°	6	
74.52	77.57	1.38	57	10	45°	10	
77.57	80.77	1.98	35 26	3 22	60°	10	-10-11
80.77	83.82	1.15	100+ 48	4 13	40°	6	
83.82	86.87	1.63	41	2	40°	8	
86.87	89.92	1.50	39	0	60°	10	

2.5
2.55

√ Text.

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

DO NOT PLOT.

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-90			98+25NW	6+85NE	1566	225°	-62°	NQ	130.4M ~~[illegible]~~M
PROJECT 312	CLAIM # REA 1	SURVEY COORDS.	98+46	6+85		DATE STARTED: 28/4/87 DATE COMPLETED: 29/4/87	CONTRACTOR: G+D CORE STORAGE:	CASING: pulled.	

PURPOSE

RQD LOG ✓
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
100 ~~[illegible]~~ 30	62°			~~[illegible]~~ 132.6 ~~[illegible]~~	217	66°			
200 60	63°								
308 94	62°								
408 124	62°								

HOLE NO RG-90

LOGGED BY G. Evans

ZIPPY PRINT - BRIDGEPORT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 4.3M	CASING	-						- Casing
4.3M to 69.09	Mafic Pyroclastic Flow	MGrn	Mgr w/ Fgr matrix	- Lapilli size fragments flattened ll to bedding - Lapilli rounded to sub round w/ weak carb and and are lighter in color than the matrix - Weakly foliated - Lapilli have chl alt^n mafic phenos	Bedding 5 ↓ @ 11M 80°	Weak seric + qtz alt^n pervasive 2 stages of QV's - 1 pale folded early stage 2 - late stage wht qtz veins up to 5cm = 2% volume Some lapilli preferent. seric altd. - matrix chl. alt^n - occas. speck of green mica	- tr - 5% dissem py avg. 1% dissem py - occas. pyrite veinlet - occas pyrite rimming lapilli 64.40 - 66.4 silicified zone w/ 5cm QV's carrying 5-8% py 1% gal, 1% Cpy, tr sphal + tet. 66.4 - 67.4 Still silicified w/ QV's tr. tet.	
69.09 to 90.00	Alt'd Mafic Pyroclastics w/ minor chert	Lt. Grn.	Mgr - Fgr	- Mafic Pyroclastic but intensely alt^n by quartz - sericite @ 69.09 M - no remnant features visible rock highly contorted - minor amounts of chert - fault gouge @ 84.92 and 85.32		- Intense sericite alt^n w/ quartz flooding 10 cm - Qtz veins @ 73.15 w/ fault gouge 78.00 78.69	- Avg 3-4% dissem pyrite - 78.00 vein has 1+% Cpy	

HOLE NO RG-90

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
90.00 to 98.37	"Muddy Tuff"	Dk. Gry	FGr	Very sharp clear contact w/ Pyro. flow Finely laminated pyrite and qtz. syngenetic Occas. flattened fragments of chert up to 2cm in dia. Fine 2-4 mm chips of argillite and mafic volcs as well as clots of py. @ 92.18 - 93.88 fault zone w/ gouge	@ 90M Bedding 85°	Flooded w/ quartz veinlets	Approx. 60% fine grained well laminated w/ tr. tet. 90.00 - 94.77 94.77 - 96.00 Qtz veins w/ silic 2-3% sphal .5+% Tet 96.00 - 96.93 Qtz veins avg 3-4% Sphal, 1% Tet 96.93 - 98.37 2-3% Sphal, 1% Tet	95+% recovery
98.37 to 102.11	Silver Zone	Dk Grey		Muddy Tuff Host w. an average of 40-50% sulphides Some late stage QVs and some massive tet zones, and py, sphal, py zones ~ 10cm		Qtz veins @ 99.1 - 99.4 100.0 - 100.3 101.40 - 101.70 Some sericitic bands .5cm	Avg sulphide content Py 15-20%, Sphalerite 10%, Tet. 12%, Galena .5% Some zones very massive tetrahedrite while others dissem in banded pyrite Galena restricted to vein @ 99.1-99.4 Sphal. rich @ top grading to tet rich @ bottom	Only 75-85% recovery

HOLE NO RG-90

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
102.1 to 130.4	"Muddy Tuff"	MGry	FGr	Finely laminated slump bx w/ chert and argillite fragments 40-60% fgr pyrite laminations Occasional lamination of sericite Fault zone w/ badly broken rock at 108.1 – 108.8 Fault zone w/ badly broken rock at 112.7 –113.7M Fault zone w/ clay gouge 126.8 – 126.8 M	Bedding 80° @ 102M @ 125M Bedding 85°	Flooded w/ Qtz. + some sericite laminations	40-60% laminated and dissem. fgr py 102.11 – 106.61 Avg. 2% Sphal 1% Tet in larger 5-10cm QV's heavy pyrite 60% 106.11 – 127.00M Generally 30-40% py w/ tr sphal + tet. in quartz veinlets/zn Occas QV's w/ min 2cm @ 110.15 w/ 5% Sphal, 3% Tet 115.00 - 115.30 QV w/ 3% sphal, 1% tet 50% py 117.30 - 117.50 QV w/ 5% Sphal 1-2% Tet 40% py 118.00 – 118.1 QV w/ 10% Sphal, 2% Tet 120.7 - 120.8 QV w/ 2% Sphal, 1% Tet 10% py 102.7 – 133.50 30-40% py barren w/ 10% QV's	90% recovery

HOLE NO RG-90

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm T Ag	gm T Au	% SiO_2	% TiO_2	% Na_2O	Sb % ~~MgO~~	As % ~~Fe~~	PPM Cu	PPM Zn	PPM Pb	O_3 ~~PPM~~ Ag	O_3 ~~PPB~~ Au			SG
BCD 5723	90.00	91.50			1.50	[illegible]					GEOCHEM					84	442	68	4.1 ppm	60			
BCD 5724	91.50	93.00			1.50	.012	.03	.02	4.1	.02	ASSAY								.12	.001			2.9
BCD 5725	93.00	94.77			1.77	.009	.29	.12	10.3	.17	ASSAY								.30	.005			2.8
BCD 5726	94.77	96.93			2.16	.036	1.28	.60	46.5	.70	ASSAY								1.36	.02			2.89
BCD 5727	96.93	98.37			1.44	.073	1.59	.69	83.4	.43	ASSAY								2.43	.013			2.79
w-B 78.82 BCD 5728	98.37	99.10			.73	.139	2.83	1.97	190.0	.89	ASSAY (S.Z.)								5.54	.026			2.84
BCD 5729	99.10	100.00			.90	1.74	5.24	2.04	1990	3.36	ASSAY (S.Z.)			1.08	.15				58.04	.098			2.97
BCD 5730	100.00	101.00			1.00	1.18	2.20	0.88	1310	1.80	ASSAY (S.Z.)								38.21	.053			2.87
BCD 5731	101.00	102.11			1.11	3.22	0.81	0.07	3580	5.50	ASSAY (S.Z.)			2.50	.27				104.42	.16			2.89
BCD 5732	102.11	103.61			1.50	.03	1.01	.46	41.0	.29	ASSAY								1.20	.008			2.97
BCD 5733	103.61	105.11			1.50	.121	0.30	.27	92.5	.38	ASSAY								2.70	.011			2.76
BCD 5734	105.11	106.61			1.50	.072	0.69	.50	32.6	.63	ASSAY								0.95	.018			2.95
BCD 5735	106.61	108.11			1.50						GROCHEM					46	550	665	3.6 ppm	395 ppb			
	98.37	102.11			3.74	1.71	2.64	1.13	1929	3.1									56.3	0.090			2.89
including	99.1	102.11			3.01	2.1	2.6	0.93	2350.4	3.63									68.7	0.106			2.91

HOLE NO. RG-90

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ZIPPY PRINT — BRIDGEPORT RICHMOND

HOLE: RG-90 RQD LOG SHEET PROJECT: 312

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS
5.18	8.53	1.63	37	23	80°	12	
8.53	11.58	1.82	41	15	75°	12	
11.58	14.63	.51	48	5	80°	8	
14.63	17.68	2.17	27	16	75°	12	
17.60	20.73	.36	56	5	85°	8	
20.73	23.77	1.48	40	7	80°	9	
23.77	26.82	1.08	42	8	80°	9	
26.82	29.87	1.98	32	20	80°	12	
29.87	32.92	2.96	24	5	70°	12	
32.92	35.97	2.81	19	5	80°	13	
35.97	39.01	2.86	18	11	80°	13	
39.01	42.06	1.66	35	10	70°	10	
42.06	45.11	1.14	39	18	70°	10	
45.11	48.16	1.75	38	6	80°	10	
48.16	51.21	1.54	52	10	70°	10	
51.12	54.25	.66	67	6	70°	9	
54.25	57.30	.78	63	8	80°	9	
57.30	60.35	.52	59	5	60°	8	
60.35	63.40	.85	65	5	70°	8	
63.40	66.45	.91	74	7	70°	9	
66.45	69.49	.74	43	11	70°	9	
69.49	72.54	2.47	25	33	80°	13	
72.54	75.59	1.49	38	16	90°	12	
75.59	78.49	1.44	30	16	80°	12	
78.49	81.53	1.45	34	8	80°	10	
81.53	84.12	.57	46	9	90°	8	
84.12	86.56	.31	57	9	80°	7	
86.56	87.78	.24	22	7	80°	8	
87.78	90.83	1.23	32	4	80°	10	
90.83	93.88	1.17	23	2	80°	10	80%
96.79	100.28	.67	20	0	75°	9	
100.28	102.11	.37	18	2	70°	8	65% recovery
102.11	104.55	.20	38	2	70°	9	85% recovery
104.55	106.07	.62	24	0	70°	9	
106.07	109.12	1.38	34	2	70°	11	Fault Zone 108.1 – 108.8
109.12	112.17	1.51	43	2	70°	10	
112.17	114.91	1.18	41	3	70°	10	Fault Zone 112.7 - 113.7
114.91	117.81	1.53	36	3	65°	11	
117.81	121.31	1.58	26	3	70°	10	
121.31	124.36	1.75	30	19	70°	10	
124.36	127.40	1.65	34	11	70°	10	Fault zone
127.40	130.45	1.13	50	7	70°	9	
130.40	133.50	1.65	35	11	70°	10	
E.O.H.							

Depth 53.34
Casing: none

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP
RG-91			97+90NW	5+43 NE	1525M (approx)	225°	-49°
PROJECT 312	CLAIM # REA 1	SURVEY COORDS.	98+05 NW	~~5+50~~ 5+45 NE		DATE STARTED: April 29/87 DATE COMPLETED: April 29/87	CONTRACTOR: G+D CORE STORAGE:

PURPOSE: To test down dip extension of silver zone near a 28ppm Ag soil anomaly

ACID TESTS				TROPARI TESTS			MULTISI	
DEPTH (M)	CORRECTED ANGLE	DEPTH (M)	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIM
44.8	51°	53.3		53.0	213°	52°		

HOLE NO RG-91

ZIPPY PRINT - BRIDGEPORT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES
0 to 18.9	CASING						
18.9 to 37.5	Greywacke and Argillite	Gry to Black	MGr to FGr	-Interbedded greywackes w/ 5-20 cm bands of argillite -Argillite finely laminated while wackes finely bedded -Occas Qtz vein -10 cm @ 20.8M,	@ 24M bedding 85° @ 32M bedding 85°	Occas qtz. veinlet Argill. probable Max-min conductor	1-2% dissem py 25.73 - 25.85M, a bed of 80% pyrite in wackes 26.11 - 26.32M, 60% py in argillite 31.91 - 32.16M a qtz vein w/ strong sericite selvages Vein contains 5% py, 1% sphal, 1% Tet 30.47 - 37.5 argillites and wackes contain 5-8% py w/ tr sphal
37.5 to 45.6	"Muddy Tuff" Major Fault Zone	Med Grey	FGr	Strong sediment component of siltstone in a clay rich matrix in the breccia. Fragments, angular to subrounded from .5 - 3.0 cm. Fragments of siltstone and quartz and small chips of argillite -Intensely faulted w/ clay	@ 40M bedding 65°	Strong clay alt^n No carb. NB slump by faulting strong	-40% py as fine laminatio and dissem. -some quartz veinlets contain a trace tet.

HOLE NO RG-91

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES
45.6 to 53.3 E.O.H.	Greywacke	MGry.	MGr.	Finely laminated graywacke	Bedding @ 53M 80°	Occasional Qtz veinlet	-Avg. 10-12% dissem py and fine veinlets -45.4 - 45.6 qtz vein w/ 50% py

HOLE NO RG-91

ZIPPY PRINT® — BRIDGEPORT, RICHMOND

HOLE: RG-91 RQD LOG SHEET PROJECT: 312

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS
18.9	20.42	0	23	1	80°	5	30% recovery
20.42	23.47	.20	40	1	80°	5	40% recovery (broken)
23.47	24.69	.21	23	0	85°	9	80% recovery
24.69	26.52	.67	30	0	80°	9	
26.52	29.57	.42	69	2	80°	8	
29.57	32.61	.12	70	3	80°	7	
32.61	35.66	0	20	3	80°	6	30% recovery
35.66	38.71	.86	24	2	76°	12	Clay gouge in fault
38.71	41.76	2.62	9	0	60°	14	Clay (fault gouge
41.76	44.81	2.09	37	8	60°	12	
44.81	47.85	0	48	3	70°	7	40% recovery
47.85	53.34	.12	75	2	70°	6	50% recovery

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

✓ METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-92			97+90	5+43		—	-90°	NQ	60.05
PROJECT 312	CLAIM # REA 1	SURVEY COORDS	98+08	5+46	1543	DATE STARTED: 30 APR 87 DATE COMPLETED: 1 MAY 87	CONTRACTOR: G+B CORE STORAGE:	CASING: pulled	
PURPOSE			98+06	5+45			RQD LOG ✓ COLLAR SURVEY	PULSE EM SURVEY MULTISHOT SURVEY	

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
33.5	88°			59m	122°	87°			
60	86°								

HOLE NO RG-92

LOGGED BY D. PRICE

ZIPPY PRINT - — BRIDGEPORT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 – 9.14	CASING			Mainly through weathered bedrock				
9.14 – 23.47	SEDIMENTS AND QUARTZ VEINS			Only 10-15% recovery of pebbles. Mainly barren quartz, argillite and some grit	50° ?	Minor sericite in some pebbles	Local pyrite in the seds.	10-15% recovery
23.47 – 26 (approx)	QUARTZ VEIN	Dirt to grey	aph	Mainly bull quartz – healed breccia – grading to greyish, impure quartz (almost smoky)			3-4% pyrite. Minor cp-tet in one thin veinlet.	30% recovery.
26 – 42.5	MUDDY TUFF	grey	vfg	Typical strongly foliated, schistose muddy tuff with numerous gouggey zones. Vaguely gritty or fine detrital flow.	30m = 25°	Intense micaceous (sericite/clay)	Up to 25% finely disseminated pyrite locally, but overall relatively low.	
				38.4-38.7 Graphitic argillite	36.5m = 0°			
				Around 41 m may be remnant seds.	50°			
				Faulted contact at	45°			

HOLE NO RG-92

ZIPPY PRINT® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
42.5 - EOH	MAFIC VOLCANIC	dark grey	fg	Fairly featureless though local vague frags. Homogenous, waxy, much less foliated than muddy tuff	70-75°	Chlorite ?	Minor pyrite	
60.05				END OF HOLE				

HOLE NO RG-92

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

HOLE: RG-92 RQD LOG SHEET PROJECT:

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	RECOVERY	COMMENTS
9.14	11.28	0					5%	
	14.33	0					10%	
	17.37	0		core good			20%	
	20.42	0					20%	
	23.47	0		to			5%	
	26.52	0.11					30%	
	29.57	0					15%	
	32.61	1.15	20	1	55	11	80%	
	34.14	0.84	30	0	60	7	100%	
	35.66	0	11	0	60	7	70%	
	38.71	1.16	50	9	45	9	70%	
	41.76	2.44	64	2	70	10	90%	
	44.81	2.06	26	4	65	9	100%	
	47.85	2.40	35	3	70	10	100%	
	50.90	2.48	23	1	75	12	100	
	53.95	2.55	20	2	70	11	100	
	57.0	1.70	35	1	70	10	100	
	60.05	1.3	42	3	70	9	100	

_of_

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-93						225°	-82°	NQ	147.52
PROJECT 312	CLAIM # Rea 1	SURVEY COORDS	98+46	6+85		DATE STARTED: April 29/87 DATE COMPLETED: May 1/87	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG ✓
COLLAR SURVEY

PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH (M)	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
32.6	82°			142.3	206°	74°			
93.6	78°								
142.3	78°								

HOLE NO RG-93

LOGGED BY G. Evans

ZIPPY PRINT - — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.05	CASING							CASING
3.05 to 46.7	Mafic Pyroclastic	MGr	FGr	Matrix strong chl. alt^{n} Lapilli round to sub ang 2-6cm in length w/ remnant mafic phenos chl. alt^{n}, lapilli sericite alt^{n} Some lapilli have calcite spherulites?	Bedding 16M 45° 35M 45°	Chl. alt^{n} perv. in matrix Lapilli sericite and mod. carb alt^{n} Occas. Qtz. Vein ~5% up to 10cm - some pyrite oxid^{n} on fract 40-41M	3.05 - 5-20% py. as veinlets and dissem. Avg. 5-10% 46.6 1cm Qtz veinlet w/ 5% tet, 2% Cpy	
46.7 to 72.9	Alt^{n} increasing in Mafic Pyroclastic	Lt Grn - Lt. Yellow	Mgr Fgr	Sericite alt^{n} increasing till it obliterates original features, Qtz vein stockwork Strong fault 64.9-65.5 w/ clay gouge and shattered rock		Seric + Qtz alt^{n} steadily increasing Grn micas - fuchsite? common in lapilli Qtz - Veins 10-15%	Py generally low ~2-3% dissem and veinlets.	
72.9 to 96.2	Mafic Tuff w/ Chert and Minor Argillite	Lt. Yellow	FGr Aphan.	72.9 - 75.3 Finely laminated argillite, sericite alt^{n} mafic tuff and chert w/ some rounded and flattened chert frags to 1cm	Bedding @ 74M 45°	Seric. alt^{n} to mafic tuff Occas. QV	Average 3-5% dissem py	

HOLE NO RG-93

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd	cont'd			75.3 – 92.9 60% Chert w/ 30-40% Seric. alt'd mafic tuff Often very contorted Occasionally argillite Occas. sub round chert fragment 1-5cm in dia Fault w/ clay gouge 77.8 - 78.7 Fault w/ clay gouge 90.5 - 90.9 92.9 – 96.2 Alt'd mafic tuff, chert and argillite laminations appear often highly contorted (soft sed defm)	94M Bedding 45°	Mafic volcs. strongly sericite alt'd. Mafic volcs. strongly sericite alt'd. Occas. QV	tr py dissem 1-2% dissem py	
96.2 to 119.8	Muddy Tuff	MGry	FGr	Contact is a fault w/ clay gouge + qtz chips 96.4 – 96.7 FGr argillite and pyrite matrix w/ small quartz and siltstone chips in a finely laminated matrix Faults w/ clay 99.67 - 99.77 110.0 – 110.2 M 102M – Fragments of pyrite appearing	Bedding @ 98M 45°	Irregular QV's 25% vol Veins increase to 10% @ 105M	40-50% dissem + laminated fgr pyrite in the matrix 110.8 - ½cm vein (QV) w/ 10% Sphal, 1% Tet 111.25 - ½cm w/ 15% Sphal 2% Tet QV 112.1 5cm w/ 3% Sphal tr Tet QV 112.7 – 113.1 2% Sphal tr Tet in QV	

HOLE NO RG-93

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
	cont'd					Silicification and veinlets become much more intense	113.80 - 114.45 Avg 2-3% Sphal, 1-2% Tet 114.45 - 119.8 veins carrying sulphides average 1% sphal, tr tet over whole width except 114.9 - 115.2 10% Sphal, 3% Tet	
119.8 to 121.2	Silver Zone	Lt Gry	FGr	Hosted in muddy tuff a strongly silic^{d} zone w/ 40% Sulphides -50%		Strongly silicified	119.8 - 121.2 Silic^{d} zone w/ 7% sphal, 3-4% Tet 40 - % py	
121.2 to 149.05 E.O.H.	"Muddy" Tuff	Lt Gry	FGr	Argillite w/ Pyrite in matrix Fragments of chert, argillite and pyrite Unit very well laminated Fragments vary from 2mm - 3cm	Bedding @ 124.1 45°	Min^{l}zn appears to be related to areas of silic^{n}	121.2 - 122.6 Avg 1-2% Sphal, tr Tet. Unit Avg 40% Fgr py as veinlets + dissem Occas. veinlet of Qtz w/ 3-5% sphal, 1% Tet 129.55 - 130.75 Matrix carries 60% py 8% Sphal, 1% Tet in QV's over width 133.6 - 134.05 QV's w/ 7-8% Sphal, 1% Tet 128.70 - 134.0 60% py	

HOLE NO RG-93

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd				131.2 - 149.05 Unit becomes much more brecciated w/ good soft sediment features ie slumping Fault Zones w/ clay gouge @ 137.9 - 138.0 @ 145.2 - 145.4	140M Bedding 045°		132.60 - 133.0 QV zone w/ 30% py, 10% Sphal, 1% Tet 134.05 - 149.05 every 30-50cm a small 2-4cm QV can be seen w/ 5-10% Sphal and 1% Tet (stringers?)	

HOLE NO RG-93

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

HOLE: RG-93 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm (m)	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS
3.05	5.16	Ø	38	Ø	—	6	some rubble
5.16	8.23	1.67	29	4	90°	10	
8.23	11.28	1.80	26	4	80-90°	12	
11.28	14.33	2.20	24	7	75°	12	
14.33	17.37	1.28	35	5	45°	10	
17.37	20.42	1.72	31	9	75°	10	
20.42	23.32	1.37	32	5	60°	8	
23.32	25.30	0.13	41	3	80-90°	6	
25.30	26.06	Ø	15	1	90°	6	
26.06	29.11	0.27	39	2	80-90°	7	
29.11	29.57	0.12	12	Ø	—	7	
29.57	32.61	0.81	47	4	60°	8	some rubble
32.61	34.14	0.23	31	3	80°	6	
34.14	35.66	0.26	21	2	80°	7	
35.66	36.58	0.12	16	1	45°	6	
36.58	37.95	Ø	23	2	60°	6	
37.95	39.47	0.24	25	Ø	—	5	
39.47	40.69	0.12	24	2	45°	4	rubble
40.69	41.45	0.20	15	Ø	—	4	
41.45	44.50	2.33	30	6	80°	9	
44.50	46.03	0.92	18	2	10°	8	
46.03	46.63	0.10	8	1	60°	8	
46.63	47.85	0.50	17	2	80°	8	
47.85	49.99	1.14	23	Ø	/	8	
49.99	53.04	2.01	33	3	45°	7	
53.04	53.95	0.30	11	1	60°	8	
53.95	55.32	0.30	22	3	80°	6	
55.32	56.99	0.94	20	Ø	/	8	
56.99	60.05	1.44	35	1	80°	7	some rubble
60.05	62.79	1.52	27	9	80-90°	8	
62.79	64.01	0.48	18	4	60°	7	
64.01	65.23	0.20	30	3	45°	6	rubble
65.23	65.84	Ø	12	1	45°	3	lots rubble
65.84	67.67	0.12	28	5	80°	6	
67.67	69.19	0.70	17	5	60°	8	
69.19	71.32	0.52	21	4	80°	6	rubble
71.32	74.37	1.11	44	4	80°	6	"
74.37	77.42	1.09	37	6	15°	7	fault gouge & rubble
77.42	78.94	0.22	16	2	45°	7	" " "
78.94	81.38	0.34	40	6	80°	6	
81.38	84.43	1.88	32	9	60°	8	some rubble
84.43	86.87	1.53	23	11	60°	9	
86.87	88.70	0.56	22	6	45°	7	some fault gouge
88.70	90.53	1.09	21	2	45°	10	lots " "
90.53	93.57	0.93	46	7	80°	8	some " " & rubble
93.57	96.62	1.61	36	6	60°	8	
96.62	99.67	0.80	44	5	60°	5	
99.67	102.72	1.48	35	12	80°	8	some rubble
102.72	105.77	1.94	26	11	60°	11	
105.77	108.81	1.36	29	4	60°	8	gouge & rubble

HOLE: RQD LOG SHEET PROJECT:

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS
108.81	111.25	0.62	34	5	80°	7	some rubble
111.25	114.30	1.25	41	5	60°	6	fault gouge
114.30	117.35	1.87	30	11	45°	8	
117.35	120.40	0.77	43	8	80°	6	previously sawed → extra fracs.
120.40	122.83	1.16	25	4	60°	9	
122.83	124.05	0.85	14	3	60°	11	
124.05	127.10	2.23	25	7	60°	8	
127.10	130.15	2.31	27	5	60°	10	
130.15	133.20	2.17	30	6	45°	10	
133.20	136.25	1.10	47	8	60°	8	
136.25	138.07	0.47	26	3	80°	6	rubble
138.07	141.12	0.82	44	7	60°	7	previously sawed / lots rubble
141.12	142.34	0.20	11+	2	60°	4	
142.34	145.39	1.35	34	9	80°	7	previously sawed
145.39	149.05	0.78	39	2	45°	7	lots rubble
EOH							

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
5746	113.8	114.45			0.65	.85	1.09	.87	156	.55									4.55	.016			3.01
47	114.9	115.2			0.3	.798	3.41	1.76	120	.75									3.50	.022			
48	117.7	118.7			1.0	.067	.74	.43	14.3	.21									.42	.006			
49	118.7	119.8			1.1	.039	.32	.19	10.7	.24									.31	.007			2.89
50	119.8	121.4			1.6	.078	2.38	1.44	22.6	.42									.66	.012			3.03
5751	121.4	122.6			1.2	.021	.43	.21	6.3	.38									.18	.011			2.98
52	129.55	130.75			1.2	.053	2.35	1.00	17.8	.19									.52	.006			3.42
53	132.6	133.0			0.4	.152	2.04	1.38	34.4	.32									1.00	.009			3.29

HOLE NO RG-93

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DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-94			98+25	5+48		225°	-50°	NQ	50.9

PROJECT	CLAIM #	SURVEY COORDS				DATE STARTED / DATE COMPLETED	CONTRACTOR / CORE STORAGE	CASING
312	REA 1		98+40	5+51	1529	April 30 / May 1	G+D	PULLED

PURPOSE	RQD LOG / COLLAR SURVEY	PULSE EM SURVEY / MULTISHOT SURVEY
98+30/5+51NE		

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
23.5	50°			49.9	226°	56°			

HOLE NO RG-94

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 9.45	CASING							CASING
9.45 to 16.3M (approx)	Quartzite	Lt. Grn	MGr	MGr quartzite w/ grano-blastic grains, Matrix sericite alt'd Wk-Mod fol^{n} 14.33-16.3 fault zone w/ rubble + QV's	fol^{n} @ 12M 45°	Pervasive sericite alt^{n} in matrix Occas. Qtz. Veinlet	1-2% dissem py.	14.33 - 17.37 20% recovery
16.3M 16.5M (approx)	Sulphide Zone	Dk Gry		A extremely weathered 6cm piece which is probably correlative to the silver zone (only 20% recovery)		Strong weathering	~10% pyrite ~40% Tet ~5% Sphal rest quartz in extremely weathered sulphides	Fault Zone
16.5M to 50.98 E.O.H.	"Muddy Tuff" Sediments	Dk Gry - Lt. Gry	FGr - MGr	16.5 - 35.66M -A slump bx. w/ round to sub-ang. fragments from 2mm - 2cm in dia -they consist of argillite siltstone, quartzite and occas. sericite alt^{n} vole? -occas seric lamination -Fault zone w/ clay gouge 23.4 - 25.0M 30% recovery in the fault 31.0 - 31.3 fault w/ clay gouge 35.66 - 38.0 A MGr siltstone - quartzite w/ 1mm grains of qtz + FP's in a sericitic matrix	Bedding 60° @ 28M 7x Bedding 80° @ 39M	Some silic^{n} and some seric alt^{n} Matrix weakly sericite alt^{n}	10-20% py as laminations + dissem 2-3% py mainly as veinlets	(a subunit which makes up much of the muddy tuff)

HOLE NO RG - 94

PAGE 2

ZIPPY PRINT ® BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd			FGr	"Muddy Tuff" slump breccia 35.66 - 50.89M 3mm - 1cm rounded fragments of siltstone, seric alt^n volcs? and minor avg. -occasional grn micg -occas. siltstone and volc tuff lamination	Bedding C46M 80°	Occas. Qtz Vein Wk seric alt^n in volc? frags and occas. lam	10% pyrite as veinlets and disseminations	

HOLE NO RG-94

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From ( )	To ( )	Estimate Cu	Estimate Zn	Length ( )	% Cu	% Zn	% Pb	gm T Ag	gm T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	~~PPM~~ Ag D3	~~PPB~~ Au D3			SG
BCD 5741	16.30	16.50			.20	2.26	44.3	0.78	595	1.87									17.35	0.055			[illegible]
																							3.49

HOLE NO. RG-94

PAGE

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

HOLE: RG-94 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
9.45	11.28	Ø	20	Ø	/	3		0.33 = 20%
11.28	14.33	0.21	10+	Ø	/	5	lots rubble	0.40 = 15%
14.33	17.37	Ø	/	Ø	/	1	all rubble	0.10 = 5%
17.37	20.42	Ø	25+	Ø	/	4	lots rubble	0.90 = 30%
20.42	23.47	0.28	33+	1	60°	4	some " "	0.95 = 30%
23.47	24.38	Ø	/	1	?	2	fault gouge + rubble	0.10 = 10%
24.38	26.52	0.64	35+	1	80°	6	some rubble	1.56 = 75%
26.52	29.57	1.47	41	2	80°	7	" "	
29.57	32.61	0.70	55	6	60-80°	6	" "	
32.61	35.66	2.27	22	4	60-80°	8		
35.66	38.71	2.29	23	3	30°	8		all good recovery
38.71	41.76	2.03	30	4	?	10	veins folded	
41.76	44.81	1.71	39	2	80°	8	some fault gouge	
44.81	47.86	0.36	53	1	80°	7	some rubble	
47.86	50.90	1.66	49	4	80-90°	8		
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS ✓
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-95	SECTION 98+00		L98+09	6+80 NE		225°	-80°	NQ	136.85

PROJECT	CLAIM #	SURVEY COORDS.	DATE STARTED: / DATE COMPLETED:	CONTRACTOR: G&D / CORE STORAGE:	CASING:
312	REA 1				NONE

PURPOSE: TO HIT ORE DOWN DIP OF RG 71

RQD LOG / COLLAR SURVEY / PULSE EM SURVEY / MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
32.61	79°			136	216°	72°			
136.86	75°								

HOLE NO RG-95

LOGGED BY CMB

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0-3.66	CASING							
3.66 to 54.8	Mafic Pyroclastic	Green	f.g.	- crowded block and lapilli size fragments - amygdules and flattened mafic phenos within frags 1-2mm - slightly flattened - ashy matrix f.g. to v.f.g. well foliated - carbonate veinlets some siliceous veins 1mm-1cm throughout	70°	moderate chlorite with strong chlorite on fracture surfaces carbonate attacks frags and increases downhole 52.02 appearance of sericite	nil Trace to 1%	BAS TBx Scoriacious frags with silica and mafic filled flattened amygdules some chloritic wisps within frags have delicate boundaries resembling fiammé
54.8 to 72.21	Altered Mafic pyroclastic	Pale Yellow and green	f.g	ctc gradational - Monolithic block and lapilli / tuff-breccia fragments	70°	- moderate sericite appears to attack fragments first - matrix moderate to strong chlorite - Quartz carbonate veins and knots becoming more abundant downhole	py. increases to 3-5% fine diss.	
				56.83 to 56.81 fault gouge ctc sharp	55°			

HOLE NO RG-95

PAGE 2

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
72.24 to 75.37	Cherty Argillite & minor Tuff	Grey & pale green	f.g.	silicified argillite with quartz knots occasional fine pyritic tuff units (lt. grey)	55°	- worm quartz knots & veinlets throughout - trace flecks of emerald green mica	5% py throughout section Tuffaceous units may be up to 10% v.f.g. py.	Unit is without black chert and lacks graphitic component
				ctc sharp	60°		74.89 - 75.37 < 1% tetrahed. 1% sp tr. cp. tr. ga	74.87 - 75.37 Geochem 5776
75.37 to 80.45	Altered Mafic pyroclastic	Yellow black lt. grey streaky	v.f.g.	laminated argillite, ash and chert - soft sediment deformation thru-out - slumped and broken beds - contorted units - some beds broken with feathered edges -	70°	- ash represented by sericite - sericite (ash) decreases as argillite units pick up downhole	tr - 1% py	79.50 to 80.45 Rubble zone
				ctc gradational				
80.45 to 80.50	Fault			clay & graphitic gouge				

HOLE NO RG-95

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
80.50 to 88.20	Black chert Argillite	Black & lt. grey	f.g.	Slumped and brecciated beds of argillite & chert laminae - graphitic component to argill. - kinked cherty beds common - numerous tiny crosscutting veinlets		quartz veining frequent.	py to 5% in form of 1-2 cm broken frags? assoc'd with qtz.	
88.20 90.53	Mafic Tuff	Pale yellow	f.g.	massive homogeneous looking	ctc ≈60°	sharp - wk-sericite alt'n	tr - 2% py	poss. dyke/sill candidate
90.52 to 95.55	Black cherty Argill &	Black & grey	f.g.	- badly broken up rubble zone	ctc indistinct			Drill crew misplace pieces here 93.40
93.51	Fault Some 2 metres lost marked by drillers							
95.50 to 96.00	Alt'd Mafic Pyroclastic?	Pale yellow	f.g.	- mod - str fol'd - poss lapilli or compressed chert frags in ash matrix	ctc 50° 60°	sharp Strong sericite and clay?	2-3% diss. pyrite	

HOLE NO

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
96.0 to 123.45	Chert Breccia + minor tuff units	lt. grey	f.g. to v.f.g.	contact broken up mod-str fol'n massive chert fragments in a sulphidic muddy matrix - frags dominate Occasional thin wisps of argillite Tuff - occasional screens - heterolithic - lapilli size 96.76 to 96.86 Sulphidic mud 60% py 97.60 to 97.90 quartz vein and pyritic clay gouge 103.91 to 104.30 heterolithic clastic unit LT frags of white and black chert shardy shapes frag orientation occurs between two qtz-sp-ga stringers	65° 83°	moderate sericite and siliceous veining X-cutting fol'n	10-15% py in laminae increase toward bottom of unit 5-10% py in matrix tr. sp. throughout 100.51 to 100.60 quartz-sulphide vein 40% py 15% sp 5% tet. 103.72 - 104.10 10% sphal 3% tet 7-10% ga 15% py contained with in three 10 to 20 cm. siliceous zones 105.92 to 106.01 Near massive sulph bed 40-60% fine pyrite @ 65° 106.45 → 107.95 leaner section 3-4% sp 1-2% tet in three siliceous 10-20 cm. zone	6 poss. stringer 8 103.6 - 104.6 BCD 5777 19 → BCD 5778

HOLE NO RG-95

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				110.38 – 110.63 Near massive sulphide pyrite to 60% with silica			109.45 – 110.45 5-7% sp 3-5% tet 1-2% ga 10-20% local py assoc'd with siliceous zones	BCD 5780
				110.78 – 110.85 Siliceous stringer carrying heavy pyrite & sp		8	p. 3-5% tet 2% py 5%	
				112.65 – 112.75 stringer in heterolithic LT		11	sp ≈ 3% tet - 2% ga ≤ 1%	
				113.10 – 113.14		14	tet 3% sph. tr py	
				Sulphides within siliceous zone		15	117.85 – 118.85 5% sp 3-4% tet <1% ga 10-15% py	BCD 5781
							121.45 to 121.50 Siliceous stringer 2-3% sp p-2% tet	

HOLE NO RG-95

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				122.0 to 122.15 pyritic laminae containing sphalerite possibly syngenetic	70°		121.98 to 122.05 5-10% sp	
123.45 to 123.95	fault	gouge						
to 131.0	Cherty Argillite ~~122.0~~			Thinly bedded to laminated cherty argillite and sulphidic mud numerous siliceous stringers and knots semiconformable		mod ser	5-25% py locally 124.62-124.68 siliceous stringer with 1% sp and 2% tet ≤ 1% ga?	Broken core Have these siliceous zones been forcibly injected into sulphidic mud and thereby disrupting the bedding
							127.70 - 127.9 siliceous stringer with 5-10% py 2-3% tet (ga?)	
				129.0 - 130.0 Cherty material & fault gouge			129.0 - 130.0 5% sp 2-3% tet ? 10% py ?	BCD 5782

HOLE NO 95

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				130.00 – 131.00 Broken chert and fault gouge			3-5% py f.g. sp & ga ? in gouge	Geochem 5783 any Au?
131.0 131.67	Near M.S.			131.0 – 131.67 Near MS minor qtz-veining			py - 25-50% locally in bands with occasional	
131.67 to 136.85 E.O.H.	Chert breccia			131.67 – 132.5 Quartz-sp stringers in a sulphidic sericitic mud grades down into a sericitic pyritic mud downhole Occasional quartz veinlet at 90° lower argillite component than above unit		mod-str sericite matrix	131.0 – 132.5 sp : 4-5% tet ≤ 1% ga ≤ 1% 136.6 3-5 mm sphalerite ~~string~~ veinlet at 90° to C.A.	BCD 5784 May be correlative with "muddy tuff"

HOLE NO 95

PAGE 8

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (m)	To (m)	Estimate Cu	Estimate Zn	Length ( )	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	~~PPM~~ oz/T Ag	~~PPB~~ oz/T Au			SG
5776	74.9	75.4			0.5	·05	·42	·30	7.4	0.02									·23	·001			
5777	103.6	104.6			1.0	·348	2.57	1.73	89.0	·43									2.6	·013			2.96
5778	106.5	107.5			1.5	·052	·93	·41	17.8	·26									0.52	·008			
5779	107.95	108.95			1.0	·100	3.32	2.90	68.0	·45									1.98	·013			3.00
5780	109.45	110.45			1.0	·297	1.50	·86	110.0	·46									3.21	·013			2.93
5781	117.85	118.85			1.0	·510	1.02	·38	156.0	·62									4.55	·018			2.78
5782	129.0	130.0			1.0	1.60	3.03	1.80	344.0	·40									10.03	·012			
5783	131.0	132.5			1.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						365	880	760	9.0 ppm	25 ppb			[illegible]

HOLE NO RG 95

PAGE

ZIPPY PRINT - — BRIDGEPORT, RICHMOND

HOLE: RG-95 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS
3.66	4.88	Ø	16	3	45°	4	Recovery
4.88	7.93	0.35	50	6	45-60°	4	0.55 = 45%
7.93	11.28	0.57	40	3	45°	5	2.44 = 80%
11.28	14.02	1.10	22	4	60-80°	6	2.71 = 80%
14.02	17.37	0.36	53	12	80°	6	1.91 = 70%
17.37	19.96	0.94	24	11	80°	6	2.96 = 90%
19.96	22.86	0.31	35	3	60°	6	2.11 = 80%
22.86	23.77	0.23	15	3	80°	6	1.95 = 65%
23.77	26.52	0.45	52	9	45-60°	5	
26.52	29.57	1.70	25	5	45-60°	8	
29.57	32.61	0.54	20	5	60-80°	8	
32.61	35.05	0.35	50	8	60°	7	
35.05	38.10	0.10	47	6	45-60°	6	
38.10	41.45	0.11	49	4	80-90°	6	
41.45	43.59	0.10	36	8	45-60°	6	
43.59	46.48	0.38	36	3	80°	7	
46.48	47.85	0.15	21	3	45°	7	
47.85	50.29	Ø	30	2	60°	5	
50.29	51.82	0.41	22	7	45°-60°	6	
51.82	53.95	Ø	20	2	60°	4	
53.95	57.00	0.78	35	5	60°	7	
57.00	58.83	0.57	18	4	45°	8	
58.83	61.87	0.76	40	7	60°	7	
61.87	63.09	0.20	15	4	60°	7	
63.09	66.14	2.00	28	16	45-80°	8	
66.14	69.19	0.92	35	3	60°	7	
69.19	72.24	1.96	27	8	45°	9	
72.24	75.29	0.46	44	12	60-90°	6	
75.29	78.33	1.01	37	4	45°	7	
78.33	81.38	0.20	36	3	80°	3	lots rubble / 1.85 = 60%
81.38	84.43	1.36	29	8	60-80°	7	
84.43	87.48	2.44	18	10	60-90°	10	
87.48	88.70	0.70	14	4	80°	8	
88.70	90.53	0.38	12	2	45°	6	0.80 = 45%
90.53	93.57	Ø	10+	Ø	/	3	core lost in fault zone / 0.40 = 15%
93.57	96.16	Ø	20+	1	60°	4	lots rubble / 0.95 = 35%
96.16	99.67	0.23	45	4	60-80°	5	some rubble / 2.32 = 65%
99.67	101.80	0.74	20	11	80°	7	
101.80	104.85	2.64	20	12	80-90°	10	
104.85	108.05	1.66	22	10	45-60°	~~10~~ 11	
108.05	111.10	1.34	32	9	45-60°	10	
111.10	113.69	1.54	21	6	60°	9	
113.69	114.91	0.72	12	2	60°	9	
114.91	117.50	1.03	31	6	60-80°	8	
117.50	120.55	1.26	35	5	60-80°	8	
120.55	123.75	1.90	28	4	60°	9 ~~10~~	some gouge
123.75	125.97	0.11	27	4	80°	6	" "
125.97	127.10	Ø	37	10	60-80°	6	
127.10	128.97	0.22	28	5	60-90°	6	
128.97	129.84	0.11	8+	Ø	/	4	lots rubble + gouge / 0.55 = 65%
129.84	133.20	0.10	52	6	80°	6	some gouge
133.20	135.64	0.21	40	4	60-80°	6	" "
135.64	136.85	0.15	24	3	80-90°	6	" "
EOH							

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-96			98+25NW	5+48		225°	90°	NQ	46.7M
PROJECT 312	CLAIM # REA 1	SURVEY COORDS.	98+30	5+51		DATE STARTED: MAY 1/87 DATE COMPLETED: MAY 2/87	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
42.0M	88°								

HOLE NO. RG-96

LOGGED BY G. Evans

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RG-96

ADD THIS PAGE! DONE

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 9.45	CASING							CASING
9.45 to 11.28	Strongly alt'd Qtzite? or Mudstone	M Grn	FGr	Intensely seric. alt^n as a matrix but an interval 12.85 - 13.25 shows MGr. Qtz. grains in a sericite matrix.		Intense sericite alt^n and silic^n by QV's	2-2cm veinlets w/ 80% py the rest has .5-1.0% dissem py	~60% recovery
11.28 to 15.20	Quartz Vein w/ Sulphides	Wht	Aphan	Milky White QV w/ 10% Sulphides - 12.80 - 13.80 (approx) stone or mudstone seric. alt^n quartzite sect^n		QV w/ sericite selvages	11.28 - 12.80 QV w/ 1% tet, tr cpy 12.80 - 13.80 tr cpy, tet 13.80 - 15.20 6% Tet 1-2% Cpy, .5% Sph as blebs + stringers	60% recovery
15.20 to 17.5	Chert Bx	Lt. Gry	Aphan to FGr	Lt gry chert highly contorted w/ some sericite laminations w/ occas. sub-round chert frags to 2cm in dia		5-10% QV's seric alt^n	25% sygenetic pyrite as thin beds + dissem.	
17.5 to 20.5	Qtz Vein	Wht	Aphan	Milky White QV w/ some clay fault gouge fragments of seric alt^n rock in the vein		sericite alt^n frags sericite has a malachite green color to some or fuchsite?	2-3% py + tr cpy as stringers	

HOLE NO RG-96

PAGE 2

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
20.5 to 42.67	"Muddy Tuff"	MGry	FGr	-A argillaceous, pyritic fgr matrix, occasionally composed of siltstone, and sometimes sericite alt^{n} volc. tuffaceous lamin:	Bedding 22M 60°	Volcs. seric alt^{n} 5-10% Qtz Veinlets ± pyrite	Pyrite average as 40% fgr dissem and laminations. Occas. rim or forms fragments	
				-Small chips to fragments angular to subround consisting of chert, argillite and mafic volc.	29M 30°			
				-Fault Zone 26.3-27.0 w/ clay + seric. gouge	40M 70°			

HOLE NO RG-96

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	~~PPM Ag~~ oz/T Ag	~~PPB Au~~ oz/T Au			SG
BCD 5742	11.28	12.80			1.52	0.062	.03	.01	43.9	.01									1.28	.001			2.66
BCD 5743	12.80	13.80			1.0	14ppm ~~0.895~~	75ppm	27ppm	0.8	5ppb.													
BCD 5744	13.80	14.25			.45	0.895 ~~2.14~~	4.52	.01	395	.04									11.52	.001			2.75
BCD 5745	14.25	15.20			.95	2.14	.38	.01	2010	2.07									58.63	.06			2.75
	13.8	15.2			1.4	1.74	1.71	.01	1490.9	1.42									43.5	0.04			2.75

HOLE NO RG-~~98~~? 96?

PAGE 4

HOLE: RG-96 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
9.45	11.28	Ø	?	?	/	3	all rubble	0.33 = 20%
11.28	12.30	Ø	?	?	/	1	" "	0.10 = 10%
12.30	14.02	0.13	8+	?	?	3	some rubble	0.44 = 25%
14.02	15.54	0.42	30	1	?	4	" "	1.30 = 85%
15.54	17.37	0.49	16+	3	45°	4	lots rubble	1.08 = 60%
17.37	20.42	0.17	10+	2	?	4	" "	0.60 = 20%
20.42	23.47	Ø	14	1	?	3		0.65 = 20%
23.47	26.52	Ø	43	1	80°	4		1.48 = 50%
26.52	29.57	1.36	28	3	45°	6	some rubble	2.39 = 80%
29.57	32.61	1.74	30	12	60°	8		good
32.61	35.66	0.44	38	9	60°	6		
35.66	38.71	1.96	30	13	80°	8		
38.71	41.76	1.45	38	7	60°	8		
41.76	42.67	0.52	14	1	60°	8		
EOH								

98+75

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-97			98+65	5+63			-90°	NQ	38.71
PROJECT 312	CLAIM #	SURVEY COORDS	98+88	5+66	1521	DATE STARTED: MAY 2/87 DATE COMPLETED: MAY 3/87	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE: To test silver zone under below trench #3 area

RQD LOG ✓
COLLAR SURVEY

PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
25.9	85°								

HOLE NO RG-97

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 6.1	CASING							CASING
6.1 to 16.97	Quartzite w/ minor chert	Lt. Gry -Brn	MGr	Finely laminated granoblastic quartzite w/ occasional chert band Some coarse quartzites w/ Arg? Chips Fault Gouge w/ clay and qtz. chips 14.75 - 15.00M	Bedding @ 15M 45°	Pervasive sericite alteration in the matrix Occasional quartz and sericite veinlet Fractures at top weathered	Occas. py. veinlet Dissem py 3 - 30% Averages 5%	
16.97 to 19.7	Massive Sulphides "Silver Zone"	Black-Yellow	FGr	Almost massive sulphides in a qtz vein matrix		Qtz veinlets + matrix	16.97 - 18.97 90% Sulphides Hard to distinguish 50+% Sphaly, 30+% Tet. 2-3 Cpy qtz matrix w/ mica 18.97 - 19.7 95% Sulphides w/ quartz + mica 50% py, 40% cpy, 5% tet	18.0 to 20.9 only 40% recovery
19.7 to 21.17	Qtz vein w/ Fault Gouge	Wht.	Mass	A quartz vein w/ clay and sheared "Muddy Tuff"		Qtz + Clay Alt^{n}	5% py as dissem and veinlets 2% cpy as veinlets and blebs tr - 1% tet	20.42 - 22.86 75% recovery

HOLE NO RG - 97

PAGE 2

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
21.17 to 38.71	"Muddy Tuff"	MGry	FGr	A muddy slump breccia w/ fragments of argillite, pyrite and quartz up to 2cm in dia. Strong fault zone 23.26 - 28.96 25% recovery w/ clay gouge and chips	@ 33M 30° to bedding	Occasional QV's and silica flooding in zones.	22.17 - 22.6M 40% py, 10% sphal. tr. tet 22.6 - 38.71 40-50% py as fine bands and dissem	

HOLE NO RG-97

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

HOLE: RG-97 RQD LOG SHEET PROJECT: 312

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS
6.10	8.23	.24	31	2	30°	7	60% recovery - Weath fract
8.23	10.67	.68	26	2	60°	9	95% recovery - Weath fract
10.67	11.89	.24	27	1	50°	8	
11.89	14.37	.53	24	4	50°	10	
14.37	17.98	1.33	56	2	45°	11	90% recovery
17.98	20.42	.49	18	1	40°	9	60% recovery (fault?)
20.42	22.86	.59	46	2	35°	7	75% recovery (fault)
22.86	25.91	.10	18	2	40°	3	30% recovery (fault)
25.91	28.96	.25	22	2	50°	1	25% recovery (fault)
28.96	29.57	0	15	2	50°	6	50% recovery
29.57	32.61	.36	31	5	70°	8	50% recovery
32.61	35.66	2.74	26	0	80°	12	
35.66	38.71	1.63	22	0	80°	12	

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	~~PPM Zn~~ Sb%	~~PPM Pb~~ As%	~~PPM Ag~~ opt	~~PPB Au~~ opt			SG
BCD 5736	16.97	17.97			1.0	3.59	47.5	.82	3220	3.00							1.92	.22	93.42	.088			3.93
5737	17.97	18.97			1.0 (approx)	1.68	56.0	.31	338	.98	(CHECK 357 g/T Ag, 1.05 g/T Au)						.16	.01	9.86	.029			3.93
5738	18.97	19.7			0.73 (approx)	18.6	4.18	3.18	1390	1.13							.73	.08	40.54	.033			4.23
(82.90 N-Bank) 5739	19.7	21.17			1.47	.358	.24	.01	295	.30									8.60	.009			
5740	21.17	22.26			1.09	.011	.01	.01	1.4	.02									.04	.001			2.99
	16.97	21.17			(3.95T) 4.2	4.61	25.5	0.83	1192	1.25									34.8	.036			
includes	16.97	19.7			(2.6T) 2.73	6.9	39.0	1.26	1675	1.76									48.9	.051			4.01

HOLE NO RG-97

PAGE

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CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-98			98+65NW	5+16 NE	1521	225°	57°	NQ	75.3
PROJECT 312	CLAIM # REA 1	SURVEY COORDS	98+86NW	6+17 NE		DATE STARTED: MAY 3/87 DATE COMPLETED: MAY 4/87	CONTRACTOR: G+P CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
53.6	56°			73.0	220°	55°			

HOLE NO RG-98

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 12.5	CASING							CASING
12.5 to 37.0	Alt^{d} Mafic Tuff w/ Chert	Lt Grn – Yellow	FGr – Aphan	Finely laminated sericite alt^{d} mafic tuff or ash w/ white to gry chert beds interbedded w/ grn chl. wisps. Occas. zone w/ chert fragments (as rip-ups?) 1 to 5cm rounded to subangular 27.6 + 27.9 Milky white QV Fault Zone w/ blocky ground 32.9 - 33.9 33.9 - 37.0 QV w/ 34.9 - 37.0 5-10% Sulphides +sericite on fractures	Bedding 25M 80°	Strong sericite alt^{n} w/ some silic^{n} around QV's	Avg. 10% dissem pyrite in the tuffs (+stockwork) Occas. 5-10cm QV w/ 60% py 34.9 - 37.0 QV w/ 5-10% Sulphides 2-3% dissem py 1-2% Tet a white fibrous mineral makes up 5-10% of volume (white sphal?)	
37.0 to 42.8	FGr Quartzite or Tuff?	Lt. Yellow	FGr	Strong Fault 36.8 - 37.6 on contact w/ clay gouge A finely laminated rock with a sericite matrix and fine 2-3mm chert + pyrite fragments	Bedding + fol^{n} @ 38M 80°	Matrix strongly sericite alt^{d}	Averages 10% dissem py. w/ up to 20% in small zones	N.B. a more tuffaceous equivalent of rocks called a quartzite

HOLE NO RG-98

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
42.8 to 53.6	"Silver Zone"	Gry - White - Lt Grn	FGr Aphan	Host rock is the fine tuff or quartzite Milky white QV's carry heavy sulfide min[ZN]	Bedding @ 43M 80° Vein Contacts @ 70-80°	large QV's	42.8 - 42.9 40% Qtz & 60% Sulphides 15-20% Galena 1-2% Cpy 1-2% Sphal 35-40% Tet 42.9 - 43.2 Qtzite w/ 1-2% Tet 43.2 - 44.8 Milky QV 30% Sulphides Avg. 20% Tet 3% Galena 2% Cpy 2-3% Sphal 1-2% Py as blebs + veinlets 44.8 - 46.4 only 50% recovery in Qtzite w/ QV's 40% w/ 5% Cpy 5% Tet 10% Gal. 46.4 - 48.2 QV badly ground only 50% recovery Avg. 8-10% Cpy 4-5% Sphal 6% Galena 2-3% Tet	Zone has only about 60% recovery overall cont'd

HOLE NO RG-98

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd							48.2 – 53.6 mixture of QV's and Qtzite 50-50% badly ground w/ 50% recovery 1-2% dissem Tet avg in veins	
53.6 to 60.0	Chert Bx	Lt. Gry	Aphan – FGr	Contact is strongly faulted and broken w/ chips + clay gouge 53.6 – 54.10 A Chert Bx w/ 10-20% argillite in the matrix Lt. Gry – Lt Grn chert beds highly contorted and slumped Fragments 5mm – 5cm and angular rip-ups Minor sericite (mafic vol) laminations	Bedding @ 55M 70°	Weak Qtz + Sericite alt^{n}	40% py as laminations (fgv) and Mgv veinlets	
60.0 to 75.3 E.O.H.	"Muddy Tuff"	MGry	FGr – MGr	A muddy fgv pyritic matrix supports angular fragments from 3mm to 4cm of argillite, chert + pyrite Fault Zone w/ clay gouge 62.0 – 62.4 Fault Zone w/ QV 64.7 – 65.5	Bedding 63M 45° 75M 80°	Some Silic^{n} by QV's	60.0 – 60.3 QV's carry 50-60% py and a green mica 5+% (fuchsite?) Zone Avg 50% fgv py Some pyritic zones up to 80%	

HOLE NO RG-98

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ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	03/t ~~PPM~~ Ag	03/t ~~PPB~~ Au	ppm Ba		SG
BCD 5764	34.9	35.7			.8	.073	.08	.02	68.0	.02									1.98	.001			2.75
BCD 5765	35.7	36.5			.8	.039	.05	.02	53.9	.22									1.57	.006			2.89
BCD 5766	42.8	43.2			.4	10.7	1.79	3.65	14200	12.45									414.7	0.363			3.60
BCD 5767	43.2	44.0			.8	6.18	1.26	1.72	6500	13.60									189.58	0.397			3.25
BCD 5768	44.0	44.8			.8	1.13	0.18	0.03	815	1.40									23.77	0.041			2.78
BCD 5769	44.8	46.4			1.6	0.492	1.05	0.64	455	1.13									13.27	0.033			3.09
BCD 5770	46.4	48.2			1.8	1.82	3.92	2.78	1410	4.39									41.13	0.128			3.05
BCD 5771	48.2	50.9			2.7	(.52)	Geochem		140.0	(0.27) 0.27						1400	770	110					
BCD 5772	50.9	53.6			2.7	(.52)	Geochem		8.2	.035						106	350	107					
BCD 5773	60.0	60.3			.3	Geochem			2.4	.015						200	720	560			2600		
	42.8	48.2			5.4	2.63	1.96	1.65	2740	4.94									79.9	0.144			3.09

HOLE NO RG-98

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HOLE: RG-98 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	RECOVERY
12.50	14.33	Ø	25	4	80-90°	6	some rubble	0.95 = 50%
14.33	17.37	Ø	40	6	80-90°	6		1.72 = 55%
17.37	20.42	Ø	16	2	60°	4	some rubble	0.67 = 20%
20.42	23.47	Ø	21	4	60°	4	" "	0.85 = 30%
23.47	26.52	0.10	35	5	80-90°	6		1.20 = 40%
26.52	29.57	0.57	25	4	45-80°	8		2.00 = 65%
29.57	32.61	0.20	45	15	60-80°	6	some rubble	1.77 = 60%
32.61	34.29	0.10	?	4	80°	3	lots rubble	0.80 = 50%
34.29	34.75	Ø	5	1	?	4	all qtz vein	0.24 = 50%
34.75	35.66	0.78	5	2	45-60°	11		0.89 = 100%
35.66	38.40	0.56	26+	3	80°	6	gouge & rubble	1.64 = 60%
38.40	39.93	0.15	30	3	90°	6	lots rubble	1.49 = 95%
39.93	41.76	0.12	20+	3	80°	6	" "	1.10 = 60%
41.76	44.81	0.70	20+	5	45-60°	7	" "	1.77 = 60%
44.81	47.85	Ø	15+	5	60°	4	" "	0.65 = 20%
47.85	50.90	Ø	17+	2	?	4	" "	0.56 = 20%
50.90	53.95	Ø	18+	5	?	3	" "	0.82 = 25%
53.95	57.00	0.98	33	3	45°	6		2.70 = 90%
57.00	60.05	0.32	33	3	60°	6		2.37 = 80%
60.05	62.48	0.84	16+	3	60-80°	5	lots rubble	
62.48	65.53	0.86	22	4	45°	6	some "	
65.53	67.67	0.49	22	2	60°	8		good
67.67	69.19	1.11	7	2	60°	11		
69.19	72.24	1.74	25	4	80-90°	10		
72.24	75.29	1.04	32	5	60°	9		
	EOH							

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

☐ METRIC UNITS
☐ IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG - 99			97+ 90NW	6+37NE	1555M	225	- 58°	NQ	93.48M
PROJECT 312	CLAIM # REA 1	SURVEY COORDS.	98+ 06 NW	6+34 NE		DATE STARTED: MAY 3/87 DATE COMPLETED: MAY 5/87	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG ✓ ☐ PULSE EM SURVEY
COLLAR SURVEY ☐ ☐ MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
42.06	-58°			92.0	220°	59°			
70.71	-61°								

HOLE NO. _____

LOGGED BY _____

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 6.10	CASING							CASING
6.10 to 44.2	Mafic Pyroclastics	MGrn	FGr	FGr strongly chl. alt^d matrix w/ flattened lapilli size fragments, which are sericite alt^d w/ Mafic P's remnant but chl. alt^n 29.0 - 30.05 A vuggy QV w/ tr cpy + tet Fault w/ clay gouge @ 13.72	27M Bedding @ 70°	Matrix strongly chl. alt^d Lapilli Sericite and Strongly carb. alt^d QV's ~ 5cm common	Averages 1% dissem py.	
44.2 to 47.5	Altd. Mafic Tuff w/ Chert	LT. Yellow	FGr - Aphan	Strong volcanic matrix w/ thin chert beds and occas. chert frag. up to 5cm (rounded). Volcanic was probably a tuff		Volcanic rk is highly sericitized and silicified	Avg. 1-2% dissem. py	
47.5 to 63.40	Argillite + Chert w/ minor Mafic Tuff	MGry	FGr - Aphan.	Lots of soft sed. def^m w/ slumping etc. Mafic Tuff is sericite alt^d The rock is finely laminated	48.5M Bedding 80°	Mafic Volc. is strongly seric. alt^d Many 1-2cm QV's and some silicn.	1-2% dissem. py 62.9 - 63.3 QV w/ blebs of sulphide 10 - 12% Sulphides 2-3% cpy 4-5% Sphal 2-3% Tet	

HOLE NO RG-99

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
3.4 to .0	Alt^d Mafic Tuff w/ Chert	Lt. Yellow	FGr - Aphan	Finely laminated seric. alt^d tuff interbedded w/ chert beds Occas. contorted (Soft Sed. def^n) 70.5 - 71.0 a QV w/ fault clay gouge @ 70.9 - 71.0	@ 67 M Bedding + Fol^n 85°	Intense seric. alt^n And silic^n by later QV's from 1-5cm	10% Avg. dissem coarser py	
.0 to 3.5	"Silver Zone"	MGry	FGr	Hosted by the muddy tuff (silicified) 72.34 - 74.0 QV w/ 5-8% Sulphides Milky Wht Clay fault gouge @ 74.0 77.8 30cm fault w/ rubble		Occas QV Matrix is siliceous (vein?)	71.0 - 72.34 Semi massive 50% Sulphides 10-20% Py 10% Sphal 15% Tet. 2-3% Cpy 72.34 - 74.0 5-8% Sulphides in QV 2% Sphal 3-5% Tet 74.0 - 75.0 90% Sulphides, 10% Qtz 20-25% Py tr-1% Cpy 40% Sphal 15-18% Tet 75.0 - 77.8 40-50% Qtz 30% Py 20% Sphal 5-10% Tet	72.34 - 74.0 only 30% recovery

HOLE NO RG-99

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5754	62.9	63.3			.4	.45	1.08	.42	34.2	.10									1.0	.003			ND
BCD 5755	71.0	72.34			1.34	3.98	2.89	1.13	3850	5.70									112.3	.166			3.08
BCD 5756	72.34	74.00			1.66	.342	.20	.12	402	.22									11.7	.006			2.71
BCD 5757	74.0	75.0			1.0	3.27	10.3	8.50	1860	4.00									54.2	.117			3.62
BCD 5758	75.0	76.5			1.5	.72	3.21	2.10	230	.82									6.7	.024			3.02
BCD 5759	76.5	77.8			1.3	1.18	3.24	1.39	435	1.03									12.7	.03			3.08
54.97 BCD 5760	77.8	79.3			1.5	.353	1.40	.75	151	.40									4.4	.012			2.97
BCD 5761	79.3	80.8			1.5	.165	1.28	.38	80.5	.39									2.35	.011			3.02
BCD 5762	80.8	82.3			1.5	.120	.47	.16	80.0	.40									2.3	.012			3.06
BCD 5763	82.3	83.5			1.2	1.03	2.13	2.50	443	.61									12.9	.018			3.08
	71.0	77.8			6.8	1.73	3.46	2.23	1264	2.14									36.9	.062			3.06

HOLE NO RG-99

PAGE

ZIPPY PRINT - BRIDGEPORT, RICHMOND

HOLE: RG-99 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	RECOVERY
6.10	8.23	Ø	13	3	60°	6		0.65 = 30%
8.23	11.58	Ø	18+	3	80°	3	lots rubble	~~0.5~~ 0.53 = 15%
11.58	13.72	Ø	6	2	80°	6	some "	~~0.5~~ 0.25 = 10
13.72	15.55	0.12	28	5	60°	6	" "	1.45 = 80%
15.55	17.07	0.24	17	5	45-60°	6		1.12 = 75%
17.07	19.20	Ø	34	4	60-90°	6	some rubble	1.08 = 50%
19.20	20.12	Ø	26	4	80°	5	" "	0.72 = 80%
20.12	20.73	Ø	9	1	80°	6		0.33 = 55%
20.73	23.17	Ø	35+	4	45-60°	6	some rubble	2.23 = 90%
23.17	25.60	Ø	45	6	60°	6	" "	
25.60	26.21	Ø	11	3	80-90°	6		good
26.21	27.13	Ø	16	3	60-80°	6		
27.13	28.35	0.28	20	4	80°	8		
28.35	28.96	Ø	11	2	60°	5		0.55 = 90%
28.96	29.87	0.13	7+	1	45°	3	lots rubble	0.44 = 50%
29.87	31.09	Ø	12	2	?	5		0.50 = 40%
31.09	32.61	0.35	18	4	45°	7	some rubble	
32.61	34.14	0.78	14	4	45-60°	9		
34.14	35.36	0.56	16	2	90°	9	some rubble	good
35.36	37.34	1.07	19	5	45°	10		
37.34	39.01	0.17	21	5	60-80°	8		
39.01	40.54	Ø	18	3	45-90°	6		0.60 = 40%
40.54	42.06	0.81	17	4	60-80°	9		
42.06	45.11	0.98	36	7	80-90°	8		
45.11	47.55	Ø	25+	4	80-90°	5	lots rubble	
47.55	49.38	0.24	22	3	80°	6		
49.38	50.90	0.13	12	1	30°	4		ok
50.90	53.04	0.95	27	5	45-80°	8		
53.04	54.25	0.12	14	1	90°	7		
54.25	56.08	0.14	22	4	80°	8		
56.08	57.61	0.38	22	3	80-90°	8	some rubble	
57.61	59.74	0.87	27	5	60-80°	8		
59.74	63.40	0.47	15	7	45-60°	9	previously saved	1.17 = 30%
63.40	65.53	0.12	49	4	60°	6		
65.53	68.88	0.55	52	6	60-80°	8		
68.88	71.02	0.22	32	5	60-80°	6	some rubble	
71.02	72.54						samples removed	
72.54	74.06						" "	
74.06	74.96	Ø	20	Ø	—	4		
74.96	76.51	0.10	20+	1	45°	3	lots rubble	
76.51	77.42	Ø	14+	1	?	3	" "	
77.42	78.83	0.47	13+	2	80°	5	" "	
78.83	80.92	1.03	28	3	45-60°	7		
80.92	81.69	Ø	16	2	90°	4	some rubble	
81.69	82.30	Ø	12	Ø	—	4	" "	
82.30	83.21	0.42	12	3	60-90°	6		
83.21	84.73	0.11	21	2	45-60°	6		
84.73	85.95	0.21	14	3	80-90°	7		
85.95	87.78	0.24	21	7	60°	7		
87.78	89.76	1.01	21	2	80°	8		
89.76	90.83	0.34	11	3	60-80°	8		
90.83	91.44	0.13	6	2	80°	9	some rubble	0.27 = 45%
91.44	93.27	0.22	12+	5	LOST			0.69 = 40%
93.27	93.98	0.11	9	4	60-80° / 60°	6 / 7		

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

☐ METRIC UNITS
☐ IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-100			98+65NW	6+16NE			-90°	NQ	89.9

PROJECT	CLAIM #	SURVEY COORDS.	DATE STARTED / DATE COMPLETED	CONTRACTOR / CORE STORAGE	CASING
312	REA 1		DATE STARTED: MAY 4/87 DATE COMPLETED: MAY 5/87	CONTRACTOR: G+D CORE STORAGE:	PULLED

PURPOSE

RQD LOG ☐ COLLAR SURVEY ☐ PULSE EM SURVEY ☐ MULTISHOT SURVEY ☐

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
53.3	88°								
89.9	84°								

HOLE NO. RG-100

LOGGED BY G. Evans

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 6.4	CASING							CASING
6.4 to 36.50	Alt^{d} Mafic Tuff w/ Chert	Lt Grn	FGr - Aphan	- Finely laminated sericite alt^{d} tuffaceous matrix w/ chert beds + frags - Units often contorted (soft sed. slumping?)	Bedding 16M 45°	Intense sericite alt^{n} in mafics w/ chl. alt^{n} to veinlets - 6.4 - 11.3 fractures weathered w/ hematite - Silicn w/ many QV's + veinlets	1% dissem py + occas. py. veinlet	Faults w/ clay gouge 23.1 - 23.3 31.5 - 32.0 36.0 36.1
36.5 to 46.0	Alt^{d} Mafic Tuff	Lt Grn	FGr	FGr Mafic Tuff strongly sericite alt^{d} Very Finely laminated QV's 38.6 - 39.3 39.8 - 43.4 Some slumping + occas. round fragment of chert + py	Bedding + fol^{n}	Intense seric. alt^{n}	Some zones have 40% py 36.5 - 36.8 39.0 - 39.2 the rest has tr - 1% py QV @ 38.6 - 39.3 30% py 3% Tet 2% Cpy 39.8 - 43.4 5% py tr tet tr cpy	Intense fault w/ clay gouge and qtz chips 36.9 - 37.8 Fault w/ gouge 42.6 42.7

HOLE NO RG-100

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
46.0 to 48.7	"Silver Zone"	Wht-Gry	Aphan-FGr	Quartz Vein w/ 30-40% Sulphides		Qtz Vein w/ some angular wallrock fragments intensely sericite alt$^{\underline{n}}$	46.0 - 47.6 QV w/ 5% Tet tr cpy 2% py perhaps wht sphal 47.6 - 48.7 Same vein 12% Tet 2% Galena 8% Sphal	
48.7 to 62.3	Chert Breccia	MGry	Aphan-FGr	Lt Gry chert fragments in a pyritic chert matrix Occas. anhydrite xtal flooded by early stage silicification	Bedding @ 63M 45°	Strongly silicified Fractures have strong sericite alt$^{\underline{n}}$	W/ silicn comes min$^{\underline{zn}}$ 48.7 - 52.5 Zone Averages 11% Tet 12-14% Sphal 25% Py Sometime sulfides are finely banded 52.5 - 62.5 Strongly silicified w/ 30% py dissem + py silic$^{\underline{n}}$ carries tet + sphal Avg. 1-2% Tet 3-4% Sphal tr cpy N.B. min$^{\underline{zn}}$ continues 30cm into tuff as QV's	

HOLE NO RG-100

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
62.3 - 70.2	Mafic Tuff w/ Chert + Quarteite?	Lt. Grn	FGr - Aphan	- A fgr sericite alt^d mafic tuff or ash w/ coarser quarteite beds + occas grey chert band - Very finely laminated	Bedding 45-60°	Mafic Volc. sericite alt^d	tr py dissem	
70.2 - 80.9	Cherty "Muddy Tuff"	MGry - MGrn	FGr - Aphan.	- Dominantly chert 60-70% w/ some seric. alt^d mafic tuff (20%) and minor argillite - Fragments angular to subrounded (1-5cm) of chert, argillite and rarely pyrite fragments - large milky wht. QV 71.3 - 72.2 w/ sericite + fuchsite? + talc?	72.3M bedding 45°	Mafic Volcs strongly sericite alt^d Silicification around QV's	Avg 5-10% dissem py	- Fault Zone w/ clay + chips 70.1 - 71.1
80.9 - 82.5	Chert w/ minor arg	Lt Gry	Aphan - FGr	Chert beds w/ minor argillite	Bedding appears @ 20°	Moderately silicified	5-10% py as laminations + dissem	- Strong fault w/ graphitic black fault gouge 80.9 - 81.6

HOLE NO RG-100

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ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5801	38.6	39.3			.7	1.19	0.42	0.13	1120	1.23									32.67	.036			2.96
5802	39.8	41.7			1.9				167(g)	0.22(g)						2100	1850	930	~~47 ppm~~				
5803	41.7	43.2			1.8				3.8(g)	.03(g)						150	18	81	~~38 ppm~~				
5804	46.0	47.6			1.6	1.12	0.95	.18	1135	1.26									33.1	.037			2.70
5805	47.6	48.7			1.1	2.98	4.15	1.94	2800	3.70									81.67	.108			2.99
5806	48.7	50.2			1.5	1.37	8.02	5.22	670	1.08									19.54	.032			3.25
5807	50.2	51.7			1.5	.147	1.26	.52	50.2	.02									1.46	.001			2.96
5808	51.7	52.5			.8	1.70	2.33	1.42	480	.85									14.0	.025			3.01
5809	52.5	54.0			1.5				110(g)	.24(g)						3700	3300	4020					
5810	54.0	55.5			1.5				20.1(g)	.17(g)						425	1520	1240					
5811	55.5	57.0			1.5				7.9(g)	.15(g)						198	1370	620					
5812	57.0	58.5			1.5				25.2(g)	.15(g)						845	2280	1300					
5813	58.5	60.0			1.5				16.3(g)	.12(g)						345	2330	2500					
5814	60.0	61.5			1.5				3.9(g)	.125(g)						78	270	395					
5815	61.5	62.5			1.0				45.0(g)	.29(g)						1320	8100	4710					
5816	80.9	81.6			.7				0.6(g)	.015(g)						69	170	77					
	46.0	50.2			4.2	1.70	4.31	2.44	1405	1.83									41.0	.054			2.97
	46.0	52.5			6.5	1.34	3.36	1.87	978.5	1.29									28.5	.038			2.97

HOLE NO RG-100

(g) = geochem

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-100 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	RECOVERY
6.40	8.23	0.10	27	2	45°	6	some rubble	0.92 = 50%
8.23	11.28	Ø	20+	2	45°	6	lots "	0.53 = 15%
11.28	13.72	Ø	9+	2	?	5	" "	0.15 = 5%
13.72	14.33	Ø	10	2	80°	6	some "	0.26 = 45%
14.33	15.85	Ø	17+	1	?	4	lots "	0.49 = 30%
15.85	17.37	0.23	27	4	45-60°	6	" "	1.21 = 80%
17.37	20.42	0.22	45	4	45-60°	6	some "	1.88 = 60%
20.42	21.64	0.14	23	3	80°	6	" "	0.91 = 75%
21.64	22.56	Ø	12	1	?	6		0.34 = 35%
22.56	23.32	0.10	10+	1	?	5	lots rubble	0.33 = 45%
23.32	24.99	0.23	16	2	60°	7		0.72 = 45%
24.99	26.52	0.58	15	3	45-60°	7		2.25 = 90%
26.52	29.57	1.14	26	5	60°	8		2.12 = 70%
29.57	32.00	0.39	17+	4	60°	7	lots rubble	0.85 = 35%
32.00	33.53	0.10	14+	2	60°	5	" "	0.62 = 40%
33.53	35.36	1.88	16	5	80°	7	some "	1.51 = 80%
35.36	37.80	1.48	26	4	60-80°	7		1.85 = 75%
37.80	40.23	0.72	22	5	80-90°	7		1.97 = 80%
40.23	41.45	0.10	7+	2	90°	6	lots rubble	0.67 = 55%
41.45	43.28	0.30	9+	2	?	6	" " (nearly all qtz)	0.76 = 40%
43.28	44.81	0.66	9	3	45-60°	10		1.26 = 80%
44.81	47.24	0.42	21	2	45°	8	some rubble	1.91 = 80%
47.24	50.29	1.38	29	7	45-80°	9		
50.29	53.34	1.85	23	11	60-80°	11		
53.34	56.39	1.13	33	9	45-80°	8		
56.39	57.66	0.22	14	6	45-60°	8		
57.66	60.05	1.03	15	5	60°	9		
60.05	63.09	0.71	27	8	60-90°	9	some rubble	good
63.09	66.14	0.86	35	2	80°	8		
66.14	69.19	1.17	35	5	60°	8		
69.19	72.24	0.97	32	3	80°	9		
72.24	75.29	1.82	20	2	60°	11		
75.29	78.33	2.17	20	3	80°	10		
78.33	81.38	0.56	29	3	60°	8	some rubble	
81.38	84.43	0.93	25	4	45-60°	8	" "	2.23 = 75%
84.43	87.48	1.11	32	4	60-80°	10		
87.48	89.92	1.57	19	1	45°	10		good
EOH								

RG-100

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
~~82.5~~ ~~62.3~~ to 89.92	"Muddy Tuff"	MGry	FGr	A muddy siltstone, avg pyritic matrix Finely laminated w/ fragments 3mm - 2cm subangular - round of argillite chert + pyrite - Then rock has a very granular texture w/ qtz grains 1-3mm	Bedding @84M 45° @89M 45°	5% QV's	30-40% dissem fgr py in the matrix	

IRENE

ATTACH THIS PAGE!

MUST BE TYPED IN LOG!!

HOLE NO RG-100

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CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS ✓
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-101	SECTION 97+40		97+40	6+67 NE		225°	-78°	NQ	163.68

PROJECT	CLAIM #	SURVEY COORDS.	DATE STARTED / DATE COMPLETED	CONTRACTOR / CORE STORAGE	CASING
REA			DATE STARTED: MAY 5 DATE COMPLETED: MAY 7	CONTRACTOR: G & P CORE STORAGE:	NONE

PURPOSE: TO HIT ORE

RQD LOG / COLLAR SURVEY / PULSE EM SURVEY / MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
62.8	78°			Failed to work (tropari wet).					
91.4	80°								
127.1	78°								
163.7	76°								

HOLE NO RG 101

LOGGED BY CMB

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.05	CASING							
3.05 to 83.05	MAFIC PYROCLASTIC FLOW	Pale green and Dark green	f.gr	weakly fol'd to strong fol'n in matrix - frag - rich - block & lapilli size pale green ϕ nature - silicified amygdules spherical shaped and shardy chloritic flecks within frags all 1-2 mm size - frags flattened at - dark green ashy matrix, fine grained, well fol'd 34.14 first appearance of wormy wandering carb - silica veinlets 5 mm carrying 1-2% py	3 60° 11 ≃ 60°	fragments attacked by str. carbonate moderate to strong chlorite is all that remains of ashy matrix numerous 1mm to 1cm carbonate veinlets	1% diss. py.	some frags have frothy pumaceous look to them 12 Flow bx of amygdaloidal flow and ash flow (shard containing) Fragments

HOLE NO RG-101

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				37.62 - 37.0 barren milky qtz vein				
				47.85 - 50.90 Bad ground 1.1 m	core	loss	3 45.0→ py 1-2% in matrix & frags	
				51.0 - 51.35 Rubble zone				
				56.60 - 56.85 Quartz vein greyish material 2% py.			7	53.65 - 58.00 Core out of place marked black
				57.15 - 57.25 fault gouge & rubble				
				57.25 - 64.2 Bad ground 60-80% recovery				
				63.93 - 64.0 Quartz vein 3% py				
				64.2 - 64.65 Fault gouge & rubble				
				66.82 - 66.88 amygdule rich zone 30-40% silica filled vesicles in ashy matrix, ~~[illegible]~~ remnant accretionary lapilli				

HOLE NO R9101

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
71.60 73.76	FAULT			gouge				
				73.76 - 76.30 Bad ground broken core 81.0 - 81.4 as above				
76.30 77.50	Fault			Rubbly zone & fault gouge				
				GRADATIONAL	CONTACT			
83.05 to 93.27	Altered Mafic Pyroclastic	Pale Yellow & dark green		Fragments become pale yellow a sericite attacks - pervasive carbonate continues Fragments still distinct however		83.05 1ST appearance of pale yellow sericite Gradational increase in sericite in frags downhole strong to intense chlorite within matrix carbonate strong	1% diss. py 81.24 - 81.28 Quartz - sulphide 2-3% tet 1-% sp	First Stringer
				cts distinct but ground up				91.22 MISMATCH
93.27 to 97.30	Chert breccia in ash			broken chert and siliceous frags with matrix of fine yellow sericite framework >> matrix		intense sericite in matrix	3-5% py.	peculiar jaundice yellow sericite

HOLE NO RG - 101

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				94.0 - 94.5 Quartz veining within chert bx 95.25 - 95.3 Lapilli tuff	55°	Sericite	tet 1% py 3% sp 2-3% cp 1-2%	94.0 - 95.0 Geochem 5785
				ctc	sharp	75° (bedding)		
97.30 to 106.2	Mafic Pyroclastic & chert breccia	lt. grey	f.g to c.g	fragments of chert broken quartz veins and pumaceous (?) lapilli and block size pyroclastic fragments occur		silicification pyroclastic frags yellow	3-5% py.	transition unit
				ctc	gradational			
106.2 to 121.94	Black cherty argillite and ash			broken and slumped beds of black cherty argillite and ash display soft sediment deformation features graphitic component esp. on fol'n planes		quartz veining and knotting continues ~~10%~~	107.00 beautiful massive sulphide fragments occur ~~across~~ in various sizes (v.f.g. py.)	

HOLE NO 101

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				109.0 - 109.2 116.4 - 117.0 Quartz veins milky 117.3 - 117.85 Quartz - graphitic material & chlor 117.2 - 117.35 FAULT GOUGE	no	sulphs		
				ctc sharp	70°			
121.94 124.00	Alt'd Mafic LT & ash			LT sericitized mod - well fol'd occasional Black cherty arg beds and chert frags		strong ser. 3-5	3-5% py	
				ctc broken up				
124.0 to 142.34	Chert breccia & sulphide mud matrix	↓	↓	broken chert beds and fragments display weak foln in a sulphide mud matrix Pyrite definitely bedded and is primary	55°	strong quartz veining and clotting silicification	sulphidic matrix occurs in bands with up to 50% fine py. over some sections 124.85 - 124.91 Near Massive Sulphide with sp - 1% tet - trace	

HOLE NO RG 101

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
		dull grey & brown	vfg to m.g	Quartz - tet-sph stringers are assoc'd with stronger coarser grained pyrite zone			124.91 - 125.5 quartz stringers sp 3% tet 5%	BCD 124.34 - 124.84 5786 NM & stringer
125.25 125.65				fault gouge				
				~~resume main unit~~			126.6 to 127.90 Quartz injections in sulphidic mud carrying 1-2% tet 2-3% sp	
							127.90 — 128.05 Quartz - sulph vein 3-5% tet 2-3% sph	
				123.0 - Chert frags in a heavy sulphide mud 30% py Tet. sp. mineralization assoc'd with 2 - 5cm cloudy quartz. veins		si & ser	py. 10-15% in beds 2% sp 1% tet	Geochem 5787 131.80 to 133.20
							Contains 2 5cm qtz stringers 2% tet 3% sp	Assay 5788 133.2 - 134.20

HOLE NO 101

156.61
1.5
31

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
	135.25 to 141.05			"Silver Zone" massive sulphide laminae and beds sphalerite and tetra also seem conformable	70°	strong silica	50-60% py 5-7% tet 3-5% sp	Spectacular section of bedded sulphides 4 BCD 5789 135.25 - 136.25
							30%-40% py 2-3% tet 1-2% sp in 4 5cm quartz stringers	6 BCD 5790 136.25 - 137.50
							1-2% tet 1-2% sp	9 BCD 5791 137.5 - 138.90
							1-2% sp <1% tet lean zone	11 BCD 5792 138.9 - 139.82
							10-12% tet 5-7% sp 1-2% ga	13 BCD 5793 139.82 - 140.20 SZ
				gradational	cte			
142.34 to 145.7	Mixed Chert bx with sulphide mud matrix and argillite black cherts			increasing argillite component going downhole minor graphitic component			15-20% py 3-4% tet 2-3% sp quartz stringers	BCD 5794 144.0-145.0 Transitional unit

HOLE NO RG 101

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
145.17 145.22	?			145.17 - 145.22 fault gouge				
		ctc		145.55 - 145.7 fault zone	—	faulted		
145.7 to 149.20	LT with sulphidic mud matric			heterolithic well sorted moderate-st. foliation frag. dominate	75°		sulphide fragments 10-20% sulphide py matrix sp - 5-7% tet - 3-5% cp - 1%	correlates with Muddy tuff BCD 5795 148.2 - 149.20
				grad				
149.20 154.31	Chert bx. with argill & sulphidic mud matrix			broken cherty frags with occa sional wisps of black cherty argillite	70°	numerous quartz veins and knots		ultra fine Sulphide matrix could represents pyritic - ash cloud in water ?
154.31 to 155.78	MASSIVE SULPHIDES			Entire section fine and medium grain clots of pyrite		local quartz veins & knots	75-80% py 5-7% tet ? 1-2% barite 2-3% sphalerite	BCD 5796 154.31 - 155.31 BCD 5797 155.31 - 156.31 (diluted) Spectacular ! poss. chimney

HOLE NO RG-101

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
155.80 156.24	Chert, bx in sulphidic muddy matrix							see BCD 5797
156.24 156.60	MASSIVE SULPHIDE	brassy yellow	m.g	ctc - sharp bedded medium grain py. & silica some ultra fine sulphide mud			py 60 - 80% tet :- 5% - 7% sp :- 5%	BCD 5798 156.31 - 156.81
156.60 to 163.68 E.O.H 156.60	Chert breccia and LT			ctc - faulted broken fragments of chert beds and silicified tuffaceous unit 25 - 30% ultra fine sulphide rich ash or mud forming matrix mod fol'n	50° 50°	abundant quartz veinlets every direction	py 15 - 20% tet 1 - 2% sp tr.	BCD 5799 156.81 - 158.31 anhydrite Note change in fol'n or bedding after sulphides reflecting primary topography

HOLE NO AG 101

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ASSAY SHEET

Sample Number	From (m)	To (m)	Estimate Cu	Estimate Zn	Length (m)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% ~~MgO~~ Sb	% ~~Fe~~ As	PPM Cu	PPM Zn	PPM Pb	~~PPM~~ opt Ag	~~PPB~~ opt Au	Ba %		SG
5788	133.2	134.2			1.0	.168	.32	.22	80.5	.68									2.35	.02			2.99
5789	135.25	136.25			1.0	1.03	2.51	1.82	288	.41									8.40	.012			3.23 ←
5790	136.25	137.50			1.25	.072	1.04	.65	46.2	.20									1.35	.006			2.94
5791	137.50	138.90			1.40	.149	.60	.48	59.8	.36									1.74	.011			
5792	138.90	139.82			0.92	.237	.40	.40	70.2	.23									2.05	.007			
5793	139.82	140.20			0.4	2.30	3.53	2.49	627	.25									18.29	.007			3.23 ←
5794	144.0	145.0			1.0	.302	2.82	1.30	88.0	.21									2.57	.006			3.11
5795	148.20	149.20			1.8	.062	3.01	1.63	31.6	.14									0.92	.004			
5796	154.31	155.31			1.0	.630	2.14	5.30	251	.62									7.32	.018	.32		←
5797	155.31	156.31			1.0	.030	1.50	4.54	48.1	.36									1.40	.011	.62		
5798	156.31	156.81			0.5	.148	6.30	6.91	138	.47									4.03	.014	.73		←
5799	156.81	158.31			1.5	.029	1.32	0.80	37.0	.50									1.08	.015	1.18		
	~~138.82~~																						

HOLE NO RG 101

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HOLE: RG-101 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	RECOVERY
3.05	5.18	Ø	20	Ø	—	6	rubble	0.76=35%
5.18	8.23	0.58	38	7	60-80°	6		2.78=
8.23	10.97	0.48	37	4	60-80°	7		2.56=
10.97	13.72	0.10	48	5	45-90°	7		
13.72	14.93	0.10	17	5	60°	7		
14.93	17.37	0.19	32	5	60-90°	7		
17.37	20.12	0.79	32	6	45-60°	7		
20.12	20.73	Ø	10	1	60°	7		
20.73	21.64	0.11	14	1	60°	6		
21.64	22.25	Ø	13	Ø	—	6	good	
22.25	23.47	0.24	15	4	60-80°	8		
23.47	26.52	0.77	37	3	60°	8		good
26.52	28.04	0.51	22	5	60-80°	8		
28.04	29.57	0.12	23	2	45°/80°	8		
29.57	32.00	0.46	27	4	60°	9		
32.00	34.14	0.40	23	3	45°	9		
34.14	35.66	1.40	10	3	45°	11		
35.66	37.49	0.55	21	3	60°	8		
37.49	40.54	0.78	40	6	45-80°	7		
40.54	41.76	0.35	13	2	80°	8		
41.76	43.89	0.12	28	3	60°	6		
43.89	46.33	0.90	27	2	80°	8		
46.33	47.85	0.41	18	4	80°	8		
47.85	48.46	0.12	9	2	45°	7		0.52=85%
48.46	50.90	0.34	18	1	45°	8		1.13= 45%
50.90	52.12	Ø	15	Ø	—	6	some fault gouge	0.62=50%
52.12	53.65	0.11	16	Ø	—	6		0.88=55%
53.65	56.85	0.22	43	2	60°	6		1.96= 60%
56.85	59.74	Ø	38	2	80°	5	lots rubble	1.55= 55%
59.74	62.78	Ø	22	2	60°	5	" "	0.89=30%
62.78	64.00	Ø	14	2	80°	5	" "	0.66= 55%
64.00	66.14	Ø	29	1	45°	6		1.52= 70%
66.14	69.19	0.91	40	4	45-60°	8		} ok
69.19	71.78	0.93	23	1	30°	8	some rubble	
71.78	73.76	Ø	25+	Ø	—	5	lots gouge	0.91= 45%
73.76	74.98	Ø	12+	2	60°	5	" "	0.45=35%
74.98	76.50	Ø	12+	2	45°	5	" "	0.52=35%
76.50	77.72	Ø	15	1	80°	5	" "	0.61=50%
77.72	80.01	0.10	31	4	80°	7		1.77= 75%
80.01	81.38	Ø	11	2	80°	6	lots rubble	0.41= 30%
81.38	83.21	Ø	18	1	45°	6	" "	0.55= 30%
83.21	84.43	0.12	22	2	60°	6		0.86= 70%
84.43	87.17	Ø	46	3	45°	6		2.04= 75%
87.17	90.22	0.26	61	8	60-80°	7		2.79= 90%
90.22	93.27	0.12	29	2	60°	6	some rubble	1.57= 50%
93.27	94.49	0.44	12	4	45°	8		1.00= 80%
94.49	95.71	0.13	17	Ø	—	7		0.93= 75%
95.71	97.84	0.29	26	5	80°	7		1.50= 70%
97.84	99.67	0.32	25	3	60-80°	7		1.48= 80%
99.67	102.72	1.52	29	2	45°	9		2.83= 95%

HOLE: RG-101 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	RECOVERY
102.72	105.16	1.21	23	2	60°	11		
105.16	107.59	1.76	20	3	60°	10		
107.59	108.81	0.56	11	2	60°	9		good
108.81	111.86	1.56	27	3	45°	10		
111.86	114.00	0.21	15	1	?	6	lots rubble	0.89 = 40%
114.00	116.74	0.11	30	5	45-60°	6	" "	1.24 = 45%
116.74	117.96	0.23	11	3	45°	7		0.97 = 80%
117.96	121.01	0.10	30	3	80-90°	6	lots rubble	1.50 = 50%
121.01	122.83	0.47	25	3	80°	6	some "	
122.83	124.05	0.13	10	3	60°	6	" "	0.86 = 70%
124.05	127.10	0.31	38	4	60-80°	6		
127.10	130.15	2.08	25	4	45-60°	9		
130.15	133.20	2.04	19	6	80°	10		
133.20	136.25	2.75	7	3	45°	12	some rubble	
136.25	139.29	2.06	19	4	60°	12		
139.29	142.34	2.15	23	6	60-80°	10		good
142.34	145.39	0.94	34	5	60-80°	7		
145.39	148.44	1.81	23	4	60-80°	9		
148.44	151.49	1.73	25	9	60°	9		
151.49	154.53	2.34	20	9	80°	11		
154.53	156.97	1.11	18	6	45-60°	9		
156.97	160.02	1.45	27	4	45°	9		
160.02	163.07	1.98	19	8	45-90°	11		
163.07	163.68	0.61	8	1	45°	10		
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

☐ METRIC UNITS
☐ IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-102			99+00 NW	6+66 NE		225°	-50°	NQ	111.86

PROJECT	CLAIM #	SURVEY COORDS.	DATE STARTED	DATE COMPLETED	CONTRACTOR	CORE STORAGE	CASING
312	REA 1		MAY 5/87	MAY 8/87	G+D		PULLED

PURPOSE

RQD LOG ✓
COLLAR SURVEY ☐
PULSE EM SURVEY ☐
MULTISHOT SURVEY ☐

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
38.7	49°			E.O.H. No reading					
105.8	53°								

HOLE NO. _____

LOGGED BY _____

ZIPPY PRINT * — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 6.4	CASING							CASING
6.4 to 22.2	Mafic Pyroclastics	Lt Grn	FGr	lapilli size sub-angular fragments in a chl-sericite alt^{d} matrix some chl. alt^{d} phenos and some vesicular frags -rock is strongly fract		-Matrix chl-seric alt^{d} lapilli strongly seric alt^{d} many small milky QV's -Fractures have hematite + carb. alt^{n}	1-2% dissem py	40-60% recovery
22.2 to 57.0	Alt^{d} mafic tuff w/ chert	Mafic Tuff w/chert	FGr - Aphan	Finely laminated beds of mafic vole. tuff w/ interbeds of chert occasionally a chert bx zone w/ sub-round chert frags -Milky wht QV's 10-30cm (late stage)	Bedding 25M 85° 50M 80°	Mafics intensely alt^{d} by sericite also strong 30-40% Qtz flooding	2-5% fgr dissem py in mafic tuff Occas. py. veinlet	
57.0 to 61.7	Argillite	Dk Gry	FGr	Finely laminated argillite w/ pyrite in the matrix + some soft sed. def^{n} ie slumping	Bedding	Occas. milky white QV	Avg. 30% fgr pyrite as dissem + laminations	Weak fault w/ clay gouge 60.0-60.4

HOLE NO RG-102

PAGE 2

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
61.7 to 67.8	Mafic Tuff	Lt-Brn - Lt Grn	Very FGr	- Very fgr laminated mafic tuff - contact w/ avg gradational w/ tuff just a strong volc. component - Cross bedding common - Unit also transitional into qtzite. - occas. ang-sub ang py fragment	Bedding 66.5M 70°	Mafics strongly sericite alt^{d}	2-3% py dissem some py frags occas. 5cm pyrite band in a QV	
67.8 to 74.5	Quartzite	Lt Gry - Lt. Brn	MGr	Gradational contact 1mm Qtz Grains in a tuffaceous matrix w/ occas tuffaceous bands and occas 2-4mm py frag.	Bedding 69M 80°	Volc matrix seric. alt^{d} Occas. milky wht QV 5-20 cm Vein selvages particularly sericite alt^{d}	2-3% dissem py occas py frag (primary) + some 5-10 cm bands w/ 60-80% py	Intense fault w/ sand + Qtz Chips 72.6 -73.1
74.5 to 82.1	"Silver Zone" Vein	Mottled Gry	Aphan	A mottled milky white QV w/ fragments of silic^{d} qtzite -		Mafic are extremely seric alt^{d} Fractures have seric. alt^{n} Some pink QV's barite?	74.5 - 75.3 Milky Wht. QV w/ 5% py 1-2% cpy 1-2% Tet 75.3 - 82.1 as blebs, veinlets + dissem partic. in qtzite (py +cpy on edges of main vein) Avg py - 14% cpy - tr tet - 11-12% gal - 4-5% sphal - 4-5%	N.B. Quartzite is the host!

HOLE NO RG-107

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
82.1 to 95.3	Quartzite + Mafic Tuff	Lt Brn	FGr	FGr Quartzite w/ zones of finely laminated alt^d tuff w/ frags flattened + rounded py frags 1-5cm Milky Wht QV's @ 82.1 - 82.3 82.8 - 84.1 92.6 - 92.8	@ 89M 85° bedding	Mafic tuff intensely sevic alt^n 2 stages QV 1/ Oldest gry QV's which silicify rock 2/ Youngest large white milky QV's	Avg 10% fgr pyrite as frags. and veinlets 91.75 - 92.8 QV's flooded w/ 5% py and 10% gun (fuchsite or talc?)	Two major faults w/ only fine sand recovered 87.4 - 88.1 91.1 - 91.8
95.3 to 111.86 E.O.H.	"Muddy Tuff"	Lt. Gry	FGr	FGr avg + siltstone matrix w/ 30% - 50% py finely laminated w/ round to subrounded frags .5-3cm of avg., chert + pyrite - loading indicates tops up hole - Some soft sediment def^m w/ contortions of the beds	Bedding @ 97M 60° 110M 80°	Some silic^n by QV's	30% - 50% fgr pyrite in matrix 2-3% py as fragments	

HOLE NO RG-102

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

	Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
	[illegible]	[illegible]	[illegible]			[illegible]																		
	BCD 5837	73.0	74.5			1.5	·01	·02	·02	4.1	·10									·12	·003			
	BCD 5838	74.5	75.3			.8	·45	·50	·31	253	·39									7.38	·011			3.05
SZ	5839	75.3	76.8			1.5	2.54	2.02	1.23	3250	3.95									94.79	·115			2.81
SZ	5840	76.8	78.3			1.5	2.52	3.10	1.98	3480	2.97									101.50	·087			3.07
SZ	5841	78.3	79.8			1.5	2.73	2.54	1.64	3820	3.35									111.42	·098			2.98
SZ	5842	79.8	81.3			1.5	2.51	2.00	·63	3520	2.74									102.67	·080			2.92
SZ	5843	81.3	82.1			.8	2.11	2.36	·80	2760	3.70									80.5	·008			2.87
	5844	82.1	83.6			1.5																		
	5845	91.75	92.8			1.05																		
		74.5	82.1			7.6	2.30	2.21	1.20	3094	3.00									90.3	·087			2.95
		75.3	82.1			6.8	2.52	2.41	1.30	3428	3.31									100.0	·096			2.94

HOLE NO RG-102

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-102 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	RECOVERY
6.40	8.23	0.93	10	4	45-60°	9		1.24 = 70%
8.23	11.28	1.06	19	3	20°/80°	7	lots rubble	1.82 = 60%
11.28	14.02	0.27	32	3	60-80°	6	" "	1.76 = 65%
14.02	15.55	Ø	15	1	45°	6		0.52 = 35%
15.55	17.37	Ø	8	Ø	/	6		0.22 = 10%
17.37	19.20	0.10	27+	4	?	6	lots rubble	1.30 = 70%
19.20	20.42	Ø	15	Ø	/	6	some "	0.52 = 45%
20.42	22.25	Ø	10+	Ø	/	6	lots "	0.28 = 15%
22.25	23.47	0.38	13	3	60°	7	some "	0.99 = 80%
23.47	26.06	0.45	29	5	45-80°	8		2.00 = 75%
26.06	29.11	0.65	22	2	80°	7	lots rubble	1.72 = 55%
29.11	32.16	0.23	30	1	60°	7		1.93 = 65%
32.16	34.60	0.10	22	2	20°/60°	6	some rubble	1.21 = 50%
34.60	35.66	0.35	7	3	60°	8		0.83 = 80%
35.66	38.71	0.11	14	1	45°	6		0.65 = 20%
38.71	41.76	Ø	24	4	60-80°	6		1.08 = 35%
41.76	44.81	0.14	44	6	60-80°	6		1.81 = 60%
44.81	47.85	Ø	53+	3	80°	6	NC 4'	2.07 = 70%
47.85	50.90	0.20	51	4	60°	6		2.07 = 70%
50.90	53.95	0.14	30	1	?	6		1.44 = 45%
53.95	57.00	Ø	26+	1	45°	6	NC 5'	0.99 = 30%
57.00	60.05	Ø	18+	1	60°	5	NC 8'	1.48 = 50%
60.05	62.40	Ø	37	2	80°	6		1.13 = 50%
62.40	64.92	0.21	47	3	60-80°	6		
64.92	66.14	Ø	18	2	60°	7		ok
66.14	68.28	Ø	33	4	45°	7		
68.28	70.71	1.10	24	7	45-80°	8		
70.71	72.24	0.61	13	3	60-80°	9		
72.24	75.29	0.35	29+	7	45-60°	7/1	lots rubble prev. sawed	
75.29	78.33	1.45	18	3	60°	10	prev. sawed	
78.33	81.38	1.76	24	9	30-60°	10		
81.38	84.43	1.03	34	5	60-80	8		
84.43	87.48	Ø	4+	1	?	5	mostly rubble	0.15 = 5%
87.48	88.09	Ø	?	?	/	1	all gouge ←	?
88.09	91.14	0.66	24	1	30°	8		2.06 = 70%
91.14	91.75	Ø	?	?	/	2	all gouge ←	?
91.75	93.57	0.31	20	3	80°	7		
93.57	96.62	0.10	34	4	45°	6		
96.62	99.67	1.04	32	4	80°/30°	7		
99.67	102.72	Ø	43	2	80°	6		
102.72	105.77	1.57	26	1	80°	8		ok
105.77	108.82	1.72	29	3	80-90°	8		
108.82	111.86	0.97	33	3	60°	8		
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

☐ METRIC UNITS
☐ IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-103			97+40 NW	6+75 NE	1599 M		90°	NQ	187.8

PROJECT	CLAIM #	SURVEY COORDS.	DATE STARTED / DATE COMPLETED	CONTRACTOR / CORE STORAGE / CASING
312	REA 1		DATE STARTED: MAY 8/87 DATE COMPLETED: MAY 10/87	CONTRACTOR: G+D CORE STORAGE: CASING: PULLED

PURPOSE	RQD LOG ✓ / COLLAR SURVEY ☐	PULSE EM SURVEY ☐ / MULTISHOT SURVEY ☐

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
60.0	87°			— No —					
99.6	88°								
126.8	87°								
178.9	88°								

HOLE NO. RG-103

LOGGED BY G. Evans

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.7	CASING							CASING
3.7 to 126.0	Mafic Pyroclastics	MGrn	MGr	-Lapilli sized fragments in a chl. alt^{d} matrix -Lapilli flattened and sub-rounded w/ remnant mafic phenos (chl. alt^{d}) -occas. tuffaceous unit 1-2m 100.0 - 126.0 Alt^{n} increasing w/ a stronger sericite overprinting as well as increased silic^{n} but lapilli "Ghosts" can be seen alt^{n} steadily increases down hole!	Bedding 14M 45° 50M 45° 99M 45°	Matrix is chl. alt^{d} while lapilli are sericite + carb alt^{d} Qtz veinlets 2-3%	Generally 2-5% py dissem + veinlets 100.0 - 126.0 Py increase to 5-8% dissem + veinlets w/ occas tr cpy, tet in qtz veinlets 105.92 - 106.7 QV w/ tet tr, cpy tr	Fault Zones w/ clay gouge 47.5 → 48.0 w/ mechanical bx 57.2 - 57.6 broken rock 58.5 - 60.1 w/ broken rock + clay 67.7 - 68.3 intense clay alt^{n}
126.0 to 187.6	"Muddy Tuff"	MGry	FGr	A fgr arg. and py matrix w/ fragments in a slump bx w/ frags of arg, chert + pyrite -Occasional sericite alt mafic tuff band	Bedding 130M 45°	Silicification by QV's Mafics sericite alt^{d}	Matrix approx 50% fgr py Note min^{l} in silicified zones 130.2 - 131.7 20% Silicified Zones w/ 10% Sphal 8% Tet (Sphal + Tet intergrown)	

HOLE NO RG-103

PAGE 2

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd				some intervals have up to 80% syngenetic py. finely laminated ie 136.1 - 137.0 152.1 - 153.0		Silver zone "A" →	135.7 - 137.6 60% silicified zones w/ 1-2% gal. 70% py 10-12% Sphal 5-8% Tet NB. - in areas between minlzed bands there are occas 5cm bands of silic^n w/ minor minl^zn 144.7 - 144.7 silic^d zone 5% Sphal 4% Tet 30% Py 152.1 - 153.0 80% py 2% Sphal tr Tet 153.0 - 154.5 60% silic^d zone w/ 8% Sphal 6-8% Tet 3-4% Gal 40% py	
						Silver Zone "B" →		

HOLE NO RG-103

PAGE 3

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				good example of massive syngenetic pyrite w/ slumping 173.3	158M 45°		155.9 - 156.4 silic^d zone w/ 30% coarse py w/ intergrown 15% Sphal 8-10% Tet 160.3 - 162.5 20% silic^d zones w/ 40% py 15% sphal 8% Tet 167.0 - 169.1 silic^d zone 80% 60% py 8-10% sphal 3-4% Tet 3-4% Gal 169.1 - 173.4 6% Silic^d w/ 30% Py 2% Sphal 1% Tet. 173.4 - 178.0 60% silicification Avg 40% Py 10% Sphal 3-4% Tet tr Galena	Strong fault w/ clay gouge 165.1 - 165.5
						Silver Zone "C" →		
						Silver Zone "D" →		

HOLE NO RC-103

PAGE 4

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
					Bedding 187M 40°	Silver Zone "E"	181.2 - 182.4 60% silic'd 5% py 20% sphal 5-6% Tet	

HOLE NO RG-103

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

	Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
38.28	BCD 5857	135.7	136.6			.9	.082	3.30	2.83	48.5	.37									1.41	.011			3.31
	5858	136.6	137.6			1.0	.081 / .080	2.63 / 2.03	1.92 / 1.10	55.5 / 23.8	.38 / .39									.69	.011			3.16
	5859	137.6	138.6			1.0				8.1	.14						290	1420	1260					
	5860																							
	5860	144.2	144.7			.5	.210	1.14	.58	36.0	.30									1.05	.009			2.92
	5861	152.1	153.0			.9	.013	.51	.62	14.1	.03									.41	.001			3.37
58.77	5862	153.0	154.5			1.5	.594	2.19	2.13	148.0	.20									4.32	.006 ~~.20~~			3.18
58.16	5863	155.9	156.4			.5	.296	5.80	2.65	83.0	.21									2.42	.006 ~~.21~~			3.45
	5864	160.3	161.3			1.0	.312	1.19	1.33	79.0	.21									2.30	.006 ~~.21~~			3.18
	5865	161.3	162.5			1.2	.175 / .061	2.03 / 2.73	2.30 / 3.10	53.2 / 31.7	.14 / .09									.92	.003 ~~.09~~			3.14
	5866																							
	5866	166.1	167.0			.9				53.0	.14 ~~.20~~						1900	2750	1380					
	5867	167.0	168.0			1.0	.080	1.82	1.19	30.2	.24									.88	.007			3.14
	5868	168.0	169.1			1.1	.094 / .107	3.21 / 4.47	1.70 / 2.17	25.2 / 20.6	0.31 / .38									.60	.011			3.56
	5869	169.1	170.6			1.5				6.3	.12						122	6400	1120					
	5870	170.6	172.1			1.5				5.6	.16						110	2400	485					
	5871	172.1	173.4			1.4				19.2	.13						480	1180	2100					

HOLE NO RG-103

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	oz/t ~~PPM~~ Ag	oz/t ~~PPB~~ Au			SG
BCD 5872	173.4	174.9			1.5	·096	1·71	1·08	32·4	·39									·95	·011			3·28
5873	174.9	176.4			1.5	·024	1·14	·61	8·7	·18									·25	·005			3·25
5874	176.4	178.0			1.6	·063	3·16	1·43	21·9	·19									·64	·006			3·44
5875	178.0	179.5			1.5				25·0	0.09						1150	8500	6200					
5876																							
5876	181.2	182.4			1.2	·068	3·98	1·08	30·5	·13									·89	·004			3·06

HOLE NO RG-103

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-103 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	RECOVERY
3.66	4.57	0.18	8	1	60°	6		0.61 = 65%
4.57	6.71	Ø	29	3	45-60°	6	some rubble	1.50 = 70%
6.71	8.23	0.81	18	5	45-60°	7		
8.23	9.57	0.60	17	3	45°/90°	8		
9.57	11.28	0.51	18	2	30°/60°	8		
11.28	13.41	0.60	30	4	45-60°	7		ok
13.41	14.94	0.12	23	3	45°	6		
14.94	17.37	0.14	38	3	60-80°	6		
17.37	19.51	0.12	33	3	45°	8		
19.51	21.95	0.13	21	5	45°	8		1.26 = 50%
21.95	23.47	Ø	20	4	80°	8		1.06 = 70%
23.47	24.99	Ø	24	2	45°/90°	6		1.06 = 70%
24.99	26.82	Ø	31	1	45°	7		1.00 = 55%
26.82	29.57	0.13	47	3	45°	6		
29.57	30.79	0.10	21	3	30-45°	6		
30.79	32.61	0.46	22	2	80°	8		ok
32.61	35.02	0.87	27	2	60°	8	some rubble	
35.02	37.64	0.50	35	1	30°	7	" "	
37.64	38.41	0.10	11	1	30°	7		
38.41	40.23	0.10	19	Ø	—	5	lots rubble	1.75 = 95%
40.23	40.54	Ø	7	1	80°	6		
40.54	41.76	0.11	14	1	90°	6	some rubble	
41.76	42.22	Ø	11	Ø	—	6		
42.22	43.59	0.37	15	↓	↓	7		ok
43.59	44.35	Ø	10			6		
44.35	45.72	0.26	12	1	45°	7		
45.72	47.85	0.51	23	1	45°	6		
47.85	50.90	0.23	26	3	60°	7	some rubble	2.08 = 70%
50.90	52.12	0.17	14	1	90°	7		
52.12	53.95	0.22	14	7	60°	7		ok
53.95	54.86	Ø	13	6	60°	6		
54.86	55.47	Ø	5	1	?	5	mostly rubble	0.20 = 35%
55.47	57.00	0.31	13	4	60°	7		0.97 = 65%
57.00	58.83	0.16	11	2	80°	6	some gouge	1.28 = 70%
58.83	60.05	0.32	12	2	60°	5	mostly "	1.05 = 85%
60.05	60.96	Ø	12	Ø	—	6		ok
60.96	61.87	Ø	5	1	45°	6		0.20 = 20%
61.87	62.33	0.12	5	1	60°	6		0.38 = 85%
62.33	63.09	Ø	7	1	45°	6	some rubble	0.36 = 45%
63.09	63.70	Ø	7	1	?	4	mostly "	0.26 = 45%
63.70	65.22	0.13	12	Ø	—	6		0.75 = 50%
65.22	68.28	0.10	12	1	60°	8/2	lots gouge	0.77 = 25%
68.28	69.19	Ø	11	2	45°	6		0.63 = 70%
69.19	70.10	0.26	5	Ø	—	7		0.60 = 65%
70.10	71.02	Ø	15	↓	↓	6		0.63 = 70%
71.02	71.78	Ø	11			6		
71.78	72.54	Ø	10	↓	↓	7		
72.54	74.07	0.12	15	3	60°	6		ok
74.07	75.29	Ø	17	2	45°	6		
75.29	76.51	Ø	10	2	80°	6	lots rubble	

HOLE: RG-103 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
76.51	78.03	Ø	21	1	60°	6		1.09 = 70%
78.03	80.77	0.28	32	7	60°	6		2.29 = 85%
80.77	82.60	0.20	17	8	45°	6	some rubble	0.93 = 50%
82.60	83.21	0.12	4	2	60°	6		0.34 = 55%
83.21	84.43	0.11	11	3	80°	6		0.80 = 65%
84.43	86.87	0.22	33	4	45°	6		2.06 = 85%
86.87	87.48	Ø	8	3	60°	6		0.53 = 85%
87.48	88.39	↓	12	Ø	—	6		0.38 = 40%
88.39	89.92	↓	12	1	60°	6	some rubble + "	0.29 = 20%
89.92	90.53	↓	3	1	45°	3	" " & gouge	0.11 = 20%
90.53	92.66	0.11	25	10	45°	6		
92.66	94.18	Ø	20	1	45°	6		ok
94.18	95.86	↓	21	3	30°/60°	6	some rubble	
95.86	96.47	↓	6	1	90°	6	" "	0.26 = 45%
96.47	96.93	↓	6	Ø	—	5	all rubble	0.21 = 45%
96.93	99.67	0.11	17	2	45°	6	lots "	1.29 = 45%
99.67	102.72	1.25	27	3	60°	8		
102.72	105.16	0.44	26	2	45°	7		ok
105.16	105.92	Ø	8	Ø	—	6	some rubble	0.40 = 55%
105.92	108.81	0.93	26	3	30°	8	" "	ok
108.81	110.80	0.67	18	2	45°	8		
110.80	112.47	Ø	8+	1	30°	5	mostly rubble	0.47 = 30%
112.47	113.23	Ø	9	1	?	6	lots "	0.36 = 45%
113.23	114.61	0.11	16	Ø	—	6	lots "	
114.61	117.35	0.36	26	Ø	—	7		
117.35	119.18	Ø	18	1	80°	6	some rubble	
119.18	120.55	Ø	23	Ø	—	6		
120.55	123.75	0.57	36	1	80°	8		
123.75	126.80	0.98	29	1	60°	9		
126.80	129.54	1.09	31	2	60°	8		
129.54	132.59	2.48	18	5	60°	11		
132.59	134.72	0.73	18	6	60°	8		
134.72	136.25	1.19	7	5	80°	11		ok
136.25	139.29	2.27	17	3	80°	11		
139.29	141.58	0.64	22	1	45°	9		
141.58	143.10	0.80	8	5	60°	9		
143.10	145.39	1.25	19	1	80°	9		
145.39	148.44	0.95	28	5	80°	8		
148.44	151.49	0.84	32	5	45°	8		
151.49	154.53	1.06	29	4	60°	6		
154.53	157.58	0.95	26	7	60°	7		
157.58	160.63	0.85	32	13	45°	8		
160.63	163.07	0.21	27	5	60°	7		
163.07	165.51	1.01	23	4	60°	8		
165.51	168.71	1.15	28	5	45°	8		
168.71	171.85	1.55	21	4	80°	9		
171.85	174.96	1.19	23	4	60°	9		
174.96	176.78	1.70	12	2	45°	10		
176.78	178.92	1.07	14	1	30°	10		
178.92	181.97	1.36	17	5	60°	12		

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-104			99+00NW	6+66NE	1525M	225°	-70°	NQ	102.7m

PROJECT	CLAIM #	SURVEY COORDS.	DATE STARTED: / DATE COMPLETED:	CONTRACTOR: G+D / CORE STORAGE:	CASING:
312	REA 1				PULLED

PURPOSE

RQD LOG ✓ COLLAR SURVEY ☐ PULSE EM SURVEY ☐ MULTISHOT SURVEY ☐

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
32.8	68°			101.2	220°	68°			
73.76	68°								

HOLE NO. RG-104

LOGGED BY G. Evans

ZIPPY PRINT — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.35	CASING							CASING
3.35 to 17.4	Mafic Pyroclastics	MGrn	FGrn	- lapilli subrounded in a fgr grn matrix - Subrounded mafic lapilli w/ remnant mafic phenos and vesicles	Bedding 60° 8M	- Mod sericite alt^{n} to lapilli matrix chl alt^{d} - Weathering on fract to 17.2M - No carb. alt^{n} - Occasional vuggy milky white QV	1-2% dissem py	
17.4 to 53.1	Mafic Tuff w/ Chert	Lt Grn	Very FGrd – Aphan	- Finely laminated mafic tuff w/ chert bands and chert fragments - Beds often highly contorted w/ soft sed features - A chert rich rock	Bedding ~ 45°	- Mafic tuff intensely sericite alt^{d} - Some chl. alt^{d} veinlets - Some silicification - Occas milky wht QV	5% py as laminations + veinlets	
53.1 to 58.7	Argillite	MGry	FGr	- Well laminated and interbedded w/ chert - 56.2 - 58.7 Milky white QV w/ sulphides Some zones silic^{d} qtzite?	Bedding 70-80°	- Some silic^{n} - QV has seric. fract + grn mineral (talc, fuchsite?)	- Avg. 30% dissem py in avg - Occas silic zone w/ 1-2% sphal (2-4cm) - 56.2 - 58.7 QV has sulphide bands Avg 1% Cpy 2% Tet tr Gal. tr Sphal	Fault gouge w/ clay 55.90 - 56.0 58.6 - 58.7 Fault w/ seric gouge

HOLE NO RG-104

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
58.7 to 73.5	Mafic Tuff + Qtzite	Lt. Brn	FGr	- Very finely laminated tuff w/ beds that appear as qtzite - Zones have round primary py fragments flattened 1-4 cm - beds vary from fgr to very fgr - load cdsts suggest tops up hole - bedding varies as low as 25°	Bedding 60-70°	- Intense sericite alt^{n} - 20% milky white QV's	- Averages 10% py in bands - milky QV @ 65.7 has blebs of brown sphal	
73.5 to 78.4	"Silver Zone" Qtz Vein	Wht - Lt Gry	Massive	- Milky wht QV w/ sulphides - Maybe hosted in qtzite because zones of silic^{d} wallrock appear as qtzite? - sulphides increase as you approach the massive sulphide zone	Same	Sericite on fract	73.5 - 77.8 QV w/ 6% Sulphides as blebs 2% Cpy 2% Brown Sphal 1-2% Tet tr Gal 77.8 - 78.4 QV contains 40+% Sulphides 20% Sphal 5% Cpy 12% Tet 2-3% Gal as bands in massive zones + blebs	

HOLE NO RG-104

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
78.4 to 79.4	Massive Sulphides	Med Brn	FGr	- hosted in a cherty muddy tuff - Sulphides form fine bands - Zone has been silic^{d}	Bedding ~60°	Silic^{n}	Avg. 70+% sulphides well laminated in a cherty matrix Avg. 30% Py 20-25% Sphal 10-15% Tet 1% Gal	
79.4 to 87.8	"Muddy Tuff"	Med. Grey	FGr	- A strong chert component w/ a muddy matrix containing 40% fgr syngenetic py. - Beds often contorted and occas. subround chert frag - milky wht QV 87.0 - 87.3		Silicification	Avg 20-25% silicified zones w/ sphal, tet, gal. Avg. over whole interval 3-4% Sphal 1-2% Tet tr Gal tr cpy Milky QV 87.0 - 87.3 has 3-4% Galena	
87.8 to 101.0	Mafic Tuff + Qtzite	Lt Grn	FGr - Mgr	- Finely laminated mafic tuff interbedded w/ qtzite w/ a tuffaceous matrix - Leucoxene xtals in tuff	Bedding 70°	- Strong seric. alt^{n} - Occas milky QV - Occas talc or fuchsite xtal fgr - strong seric alt^{n} around QV's	- 1-2% dissem py	
101.0 to 102.7 E.O.H.	"Muddy Tuff"	MGry	FGr	- More arg in matrix than upper muddy tuff - Arg w/ py matrix w/ chert beds + frags - Beds often disrupted and slumped in soft sed		- Mod silicified w/ QV's - occas talc xtal	- 20-30% fgr pyrite in argillite	- Mod. broken

HOLE NO RG-104

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ASSAY SHEET

	Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
	BCD 5882	56.2	58.7			2.5	·301	·82	·39	296	2·18									8·63	·064			2·94
	5883	72.0	73.5			1.5				~~[illegible]~~	~~[illegible]~~						62	140	134	2.6 ppm	60 ppb			
	5884	73.5	75.0			1.5	·100	·01	·02	42·0 ~~126·0~~	·02 ~~[illegible]~~									1·23	·001			2·65
	5885	75.0	76.5			1.5	·180	·10	·01	128 ~~2360~~	·10 ~~[illegible]~~									3·73	·003			2·70
SZ	5886	76.5	77.8			1.3	.498	·29	·27	238 ~~1020~~	·23 ~~[illegible]~~									6·94	·007			2·73
SZ	5887	77.8	78.4			.6	1·10	4·61	2·98	1020 ~~234~~	1·13 ~~[illegible]~~									29·75	·033			2·99
SZ	5888	78.4	79.4			1.0	·332	9·25	5·41	234 ~~180~~	·72 ~~[illegible]~~									6·83	·021			3·29
$68→	5889	79.4	80.9			1.5	·340	1·62	1·83	180 ~~20.0~~	·66 ~~[illegible]~~									5·25	·019			3·05
	5890	80.9	82.4			1.5	·052	·12	·09	20·0 ~~22.5~~	·30									0·58	·009			2·84
	5891	82.4	83.9			1.5	·022	·32	·53	22·5 ~~327~~	·42									0·66	·012			2·89
*	5892	83.9	85.4		*	1.5	1·02	1·38	·59	327 ~~88.2~~	1·51									9·54	·044			3·01
	5893	85.4	86.7			1.3	·204	·71	·89	88·2	·40									2·57	·012			3·07
	5894	86.7	87.3		*	.6	·800	1·53	1·38	328	·99									9·57	·029			3·09
		56·2	58·7			2·5	·301	·82	·39	296	2·18									8·63	0·064			2·94
	~~[illegible]~~	76·5	79·4			2·9	·57	4·27 ~~[illegible]~~	2·60 ~~[illegible]~~	398·4	0·59									11·6	·017			2·98
	OR	76·5	80·9			4·4	·49	3·36	2·34	324	0·61									9·45	·018			3·00

HOLE NO RG-104

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HOLE: RG-104 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
3.35	5.18	0.36	14	2	60°	6		0.87 = 45%
5.18	8.23	1.80	23	7	45°	8		ok
8.23	11.28	1.17	17	2	60°	8		1.91 = 65%
11.28	14.33	Ø	12	1	80°	6	some rubble / NC6'	0.78 = 25%
14.33	16.76	Ø	15	2	45°	6	~~NC~~ / some rubble	1.00 = 40%
16.76	17.37	Ø	5	Ø	—	6		0.39 = 65%
17.37	20.42	Ø	24	1	80°	6		1.10 = 35%
20.42	23.47	Ø	19	3	45°	6	lots rubble	1.00 = 35%
23.47	26.52	Ø	24	4	80°	5	" "	1.26 = 40%
26.52	29.57	Ø	15	Ø	—	6		0.66 = 20%
29.57	32.46	0.11	29	2	60°	6		1.98 = 70%
32.46	35.66	Ø	19	2	60°	6		1.02 = 30%
35.66	36.88		14	Ø		6		0.66 = 55%
36.88	38.71		11			5		0.44 = 25%
38.71	40.23		14			6	lots rubble	0.54 = 35%
40.23	41.76		19			6	some "	0.93 = 60%
41.76	43.28		11	1	45°	6		0.57 = 40%
43.28	44.81		20	Ø	—	6		0.74 = 50%
44.81	46.63		21	1	?	6		1.03 = 55%
46.63	47.85		12	Ø	—	6		0.71 = 60%
47.85	50.90	0.70	27	1	45°	6		2.29 = 75%
50.90	52.43	Ø	18	2	80°	6		1.12 = 75%
52.43	53.95		16	Ø	—	6		0.93 = 60%
53.95	57.00		27	Ø	—	6	some rubble	1.07 = 35%
57.00	59.13	0.28	20	4	80°	6	" gouge	1.43 = 65%
59.13	60.05	0.13	6	1	45°	6		0.41 = 45%
60.05	63.09	0.32	29	3	80°	7		2.14 = 70%
63.09	66.14	1.07	22	3	60°	7		
66.14	69.19	0.45	23	5	30°/90°	7		
69.19	71.93	0.48	18	5	45°	6	lots rubble	
71.93	73.76	1.21	9	2	45°	10		
73.76	75.29	1.17	6	1	?	10	all vein	
75.29	81.08	3.86	40	1	80°	8		
81.08	84.12	1.80	22	4	60°	8		
84.12	87.17	2.10	21	6	60°	9		
87.17	89.31	0.30	21	2	90°	6		ok
89.31	90.53	0.14	14	Ø	—	7		
90.53	92.05	0.69	10			7		
92.05	93.27	0.47	12			7		
93.27	94.49	0.30	10	6	45°	7		
94.49	95.40	Ø	5	3	45°	6		
95.40	96.01	0.13	5	Ø	—	7		
96.01	99.06	1.88	17	Ø	—	9		
99.06	101.80	0.95	11	4	45°	7	lots rubble	1.75 = 65%
101.80	102.72	Ø	4	Ø	—	6		0.26 = 30%
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-105			99+00NW	6+66NE	1535M ?		90°	NQ	139.3
PROJECT 312	CLAIM # REA 1	SURVEY COORDS.	99+12NW	6+	1525M	DATE STARTED: MAY 9/87 DATE COMPLETED: MAY 11/87	CONTRACTOR: G+D CORE STORAGE:	CASING: LOST RODS PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY

PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
50.7	85°								
130.1	87°								

HOLE NO RG-105

LOGGED BY G. Evans

ZIPPY PRINT — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.7	CASING							CASING
3.7 to 17.8	Mafic Pyroclastics	Lt. Grn – MGrn	FGr	A fgr chl. alt^d matrix w/ irregular lapilli that have remnant vesicles and amygdules + remnant chl. alt^d phenos	Bedding @ 16M 45°	Fractures weathered and often have qtz veinlets matrix chl alt^d lapilli sericite alt^d some QV's have carb. alt^d selvages	3-5% py dissem	
17.8 to 53.0	Altd Mafic Tuff w/ Chert	Lt Grn	FGr – Aphan	Finely laminated wispy sericite alt^d mafic tuff w/ chert beds and subangular fragments ranges from well laminated zones to slump bx's w/ chert frags + disrupted tuff bands	Bedding @ 19M 70° @ 42M 60°	Mafic tuff intensely sericite alt^d	1% dissem py. @ 23.0M 1cm veinlet w/ 5% Sphal 2% Galena tr tet Occasional py stringer 44.55 - 44.8 QV w/ 15% py 5% sphal 5-8% Tet	Strong fault 20.42 - 2 w/ 30% recovery as rubbly chips Fault zone w/ clay + qtz

HOLE NO RG-105

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
53.0 to 63.7	"Muddy Tuff"	MGry	FGr	Contact vague w/ lots of tuffaceous component to the sediments indic. tops down hole Unit generally well laminated w/ bands of arg, chert, pyrite + occas. tuff w/ slump bx's w/ frags of chert, arg, and py sub-ang	53.2M bedding 45°	Some silic^{n} by QV's + seric alt^{n} to mafic tuff	~30% fgr pyrite in the matrix as laminations and fragments 60.9 - 63.7 Silicified bands carry 5-8 sphal 3-4 tet tr galena increases to 63.2-63.7 15% sphal 5% Tet in silicified zone near the vein	Fault Zone 60.4-60.6 w/ rubble
63.7 to 65.1	Qtz Vein w/ min^{zn}	MGry - Wht	FGr - Aphan	Vein ranges in appearance from milky wht + massive to mottled w/ silic^{d} wallrock w/ seric alt^{n} on fract, also some of the vein contains a soft pink mineral (Barite?) N.B. host maybe a quartzite or its a vein texture (compare to RG-102, 104)		Intense silic^{n} w/ sericite alt^{n} on fract and some barite?	Sulphides are in veinlets in silic^{d} zone and blebs in the massive vein Avg over vein 5% Sphal 4% Tet 5-8% Py	

HOLE NO RG-105

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
65.1 to 69.8	"Muddy Tuff"	MGry	FGr	Mod. Alt^{d} rock w/ a fgr avg-pyrite matrix w/ beds and frags of chert and pyrite chert 50-60% QV 68.5 - 69.4 again maybe hosted in a quartzite or it is a mottled texture? Vein has strong sericite selvages + has biotite within it	Bedding @ 66M 40°	Strongly silic^{d} and fract seric altd	Muddy tuff avgs 30-40% fgr py w/ occas. bands 65.1 - 68.5 mod. silic^{d} 3-4% Sphal 1-2% Tet 30+ % py 68.5 - 69.4 QV 1-2% py tr sphal tr tet	
69.8 to 72.34	Massive Sulphides	Banded Py	FGr MGr	Very finely laminated sulphides in a cherty matrix w/ biotite + sericite on fol^{n} Evidence of loading in sulphides indicating tops up hole + sulphides are syngenetic	Bedding 70M 45°	Some silicification	69.8 - 70.7 80-90% banded sulphides 30% py 10% tet tr cpy 25+% sphal 9% gal. 70.7 - 72.34 60% Sulphides laminated Avg 20% Py 9% Tet 2% gal 23% sphal	Sygenetic!!

HOLE NO RG-105

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
72.34 to 79.0	Chert Bx	MGry	Aphan ⊥ FGr	A silicified chert Bx w/ vague fragments up to 5cm, minor arg. + seric. on fract.	Bedding 76.8 45°	Silicified w/ occas QV	72.34 - 76.8 40% Sulphides dissem + banded avg. 20% Py 15% Sphal 5% Tet tr - 1% gal 75.3 - 75.6 20% Sphal 5% Galena 3% Cpy 10-12% Tet 10% py Occas. QV holds 2-5% galena 75.6 - 79.0 Sulphides generally decrease Avg 20% zones 10-20cm w/ 60+% Sulphides 10% py 4-6 Sphal 2-4 Tet	(Maybe a cherty Muddy Tuff?)

HOLE NO RG-10S

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
79.0 to 122.7	"Muddy Tuff"	MGry	FGr	An argillaceous matrix w/ 30-40% fgr pyrite well laminated w/ occas. fragments of chert, argillite and pyrite 5% -Occasional "Wispy" band of argillite -Zones have knots of chert + siltstone? -Zone becomes more brecciated 92.0 - 122.7 -Major Fault contact	Bedding @ 90.5 45° 117.0 45°	Some silic^n by QV's Sericite alt^n on fract Occas. bleb of lt grn transparent mineral (talc?)	30-40 fgr py dissem in py as coarser bands and fine laminations 87.4 - 90.5 Zone is silicified near 2 faults Avg 25-30% Py 15% Sphal 3-4% Tet "2nd Silver Zone" Otherwise occas 5cm silic zone w/ 5% Sphal 2-3% Tet ± tr cpy	N.B. Faults @ 87.6 10 cm finely broken + ground 88.8 - 89.0 cave w/ broken rock Small fault @ 116.8 - 117.0
122.7 to 126.5	Chert Bx	Lt Gry	Aphan	- Large Fault forms the contact - A laminated lt gry chert w/ ang. fragments to 5cm	Bedding 120M 45°	Weak sericite on some fract	Avg. 10% py dissem + laminated tr sphal	-Fault zone w/ chert frags in a fgr black arg-py matrix
126.5 to 139.3 E.O.H.	"Muddy Tuff"	MGry	FGr	Finely laminated arg w/ chert bands and frags. rounded 1-4cm of chert, arg, py seds. occas. contorted soft sed slumping	Bedding 132M 45°	lt soft, transp. grn mineral on fract (talc?)	126.7 - 130.7 60% py 10% Sphal on leucox. in alt^d zone w/ lots of talc? same @ 136.2 - 139.3 Main zones hold 30% fgr pyrite in arg. material - syngenetic	Fault Zone @ 126.7 - 130.7 w/ alt^d ground area Fault Zone @ 136.2 - 139.3 vertical fault w/ gouge (lost rods!)

HOLE NO RG-105

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5817	44.55	44.8			.25	.164	4.42	2.43	42.5	0.20									1.24	.006			~~2.86~~
5818	60.35	60.9			.55											320	1340	840	26.0ppm	195ppb			
5819	60.9	62.4			1.5	.174	1.19	.69	109	.41									3.18			2.86	~~2.96~~
5820	62.4	63.7			1.3	.665	3.51	1.72	448	1.95									13.07			2.96	~~2.86~~
5821	63.7	65.1			1.4	.172	1.74	.85	144	.40									4.20			2.86	~~3.07~~
5822	65.1	66.6			1.5	.253	3.36	1.02	313	.64									9.13			3.07	~~2.89~~
5823	66.6	68.5			1.9	.072	.45	.14	70.5	.38									2.06			2.89	~~2.81~~
5824	68.5	69.8			1.3	.299	.26	.05	364	.73									10.62			2.81	~~2.94~~
5825	69.8	70.7			.9	1.12	11.95	8.60	1000	1.88									29.17			2.94	~~3.33~~
5826	70.7	71.4			.7	.142	8.30	5.14	264	.43									7.70			3.33	~~3.33~~
5827	71.4	72.34			.94	.176	5.98	4.20	283	.50									8.25			3.33	~~3.21~~
5828	72.34	73.8			1.46	.030	4.32	2.49	88.4	.34									2.58			3.21	~~3.01~~
5829	73.8	75.3			1.5	.082	2.01	1.29	52.5	.07									1.53			3.01	~~3.27~~
5830	75.3	75.6			.3	3.18	8.15	9.45	1340	2.75									39.08			3.27	
5831	75.6	77.1			1.5	1.32	4.16	2.58	1040	1.60									30.33			3.09	
5832	77.1	79.0			1.9											210	4100	3050	19.7ppm	290ppb			
Averages	62.4	~~77.1~~			14.7	0.434	3.63	2.23	366	0.82									10.7			3.03	

HOLE NO RG-105

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (m)	To (m)	Estimate Cu	Estimate Zn	Length (m)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
AVERAGES	62.4 ~~62.4~~	66.6			4.2 ~~[illegible]~~	0.35	2.87	1.18	298.5	0.97									8.7	.028			2.97
	68.5	72.34			3.84	0.43	5.87	4.00	475	0.89									13.9	.026			3.06
	75.3	77.1			1.8	1.63	4.83	3.73	1090	1.79									31.8	.052			3.12

HOLE NO. RG 105

PAGE

ZIPPY PRINT - BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5833	87.4	88.2			.8	.271	6.07	2.52	58.2	.36									1.7	.011			2.94
5834	88.2	89.0			.8	.114	1.82	1.24	20.4	.38									0.6	.011			3.50
5835	126.7	128.1			1.4	.02	.28	.24	2.2	.05									.06	.001			3.11
5836	128.1	130.7			1.6	.002	.01	.03	0.2	.16									.01	.005			3.08

HOLE NO. RG-105

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-105 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
3.66	5.18	0.77	12	2	45°	9		
5.18	8.23	2.57	18	11	60-80°	12		ok
8.23	11.27	1.61	19	8	45-60°	10		
11.27	12.80	Ø	23+	3	60°	6	~~rubble~~	1.02 = 65%
12.80	15.24	0.34	32	2	45°	6		ok
15.24	17.37	0.24	21	3	30-45°	7	some rubble	
17.37	20.42	0.11	20	1	45°	6	" "	1.06 = 35%
20.42	23.47	Ø	?	Ø	—	5	mostly rubble	0.34 = 10%
23.47	24.38	Ø	?	Ø	—	—	mostly lost →	0.05 = 5%
24.38	26.52	Ø	?	Ø	—	3	all rubble	0.14 = 5%
26.52	29.57	Ø	4+	Ø	—	5	mostly rubble	0.30 = 10%
29.57	30.79	Ø	10	2	45°	6	some "	0.52 = 45%
30.79	32.61	Ø	9+	1	?	6	lots "	0.45 = 25%
32.61	35.36	Ø	15	2	80°	6		0.51 = 20%
35.36	36.88	Ø	23	1	80°	6		0.75 = 50%
36.88	38.25	Ø	17	3	30°/60°	6		0.50 = 35%
38.25	40.84	0.13	32	2	80°	6		1.70 = 65%
40.84	41.76	Ø	11	Ø	—	6		0.46 = 50%
41.76	44.81	0.10	23	3	60°	6	some rubble	0.43 = 45%
44.81	45.72	Ø	17	3	60°	6	" "	0.66 = 70%
45.72	47.85	0.12	22	Ø	—	6		1.23 = 60%
47.85	50.90	Ø	32	5	80°	6		1.72 = 55%
50.90	52.12	Ø	22	3	80°	6		1.06 = 85%
52.12	53.95	0.23	18	3	60-80°	6		1.14 = 60%
53.95	55.78	0.26	24	1	60°	6		1.42 = 80%
55.78	57.91	Ø	19	Ø	—	6		0.95 = 45%
57.91	59.13	Ø	5+	Ø	—	4	lots gouge	0.21 = 15%
59.13	60.66	Ø	10	1	45°	6	some rubble	0.40 = 25%
60.66	62.18	0.11	16	1	30°	6		
62.18	64.31	0.67	25	1	45°	8		
64.31	66.14	0.83	16	1	30°	8		
66.14	68.28	0.38	19	1	30°	8		ok
68.28	69.19	0.56	5	2	10°/60°	10		
69.19	69.80	0.28				10		
69.80	72.24	1.15	17	Ø	—	10		
72.24	75.29	1.71	21	2	45°	10		
75.29	75.90	Ø	6	Ø	—	6	some rubble	0.33 = 55%
75.90	76.81	0.24	11	Ø	—	6		0.65 = 70%
76.81	78.33	0.12	9	Ø	—	7		0.78 = 50%
78.33	78.64	Ø	5	2	45°	6		0.30 = 95%
78.64	80.47	0.23	14	Ø	—	8		0.95 = 50%
80.47	81.38	0.29	15	3	60°	7		
81.38	84.43	0.65	30	2	60°	8		
84.43	85.95	0.65	11	3	45°	9		
85.95	87.48	0.36	14	2	45°	8		ok
87.48	88.09	0.28	7	2	45°	8	some gouge	
88.09	88.39	0.30	4	Ø	—	10		
88.39	88.70	0.43	3	Ø	—	11		
88.70	90.53	0.68	9	1	45°	10	some rubble	1.28 = 70%
90.53	93.57	1.31	32	1	45°	11		
93.57	96.62	0.98	28	2	45°	10		ok

HOLE: RG-105 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS
96.62	99.67	0.77	26	1	45°	9	
99.67	102.72	2.04	21	2	60°	11	
102.72	105.46	1.50	18	6	60°	10	
105.46	108.20	0.70	25	4	45°	8	
108.20	111.25	1.00	27	6	45°	8	
111.25	114.30	0.98	24	4	45°	8	
114.30	117.35	1.15	25	2	45°	8	
117.35	117.65	Ø	3	Ø	—	5	
117.65	120.09	0.32	26	2	60°	6	some rubble
120.09	122.23	0.34	21	4	45°	8	
122.23	124.36	0.57	22	4	80°	9/3	~~some~~ rubble
124.36	127.10	0.78	25	1	30°	9	
127.10	130.15	0.56	27	Ø	—	6	some rubble
130.15	132.56	0.22	33	6	60-80°	7	" "
132.56	134.42	0.34	18	1	45°	7	
134.42	136.25	0.36	22	1	60°	8	some rubble
136.25	139.29	0.29	22	Ø	—	7	
EOH							

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-106			97+40NW	6+75	1599	225°	62°	NQ	154.5m

PROJECT	CLAIM #	SURVEY COORDS.	DATE STARTED	DATE COMPLETED	CONTRACTOR	CORE STORAGE	CASING
312	REA 1		MAY 10/87	MAY 12/87	G+D		PULLED

PURPOSE	RQD LOG COLLAR SURVEY	PULSE EM SURVEY MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH (M)	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
22.6M	62°			153m	228°	62°			
53.0M	62°								
117.3M	64°								
151.5	68°								

HOLE NO RG-106

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.7	CASING							CASING
3.7 to 88.4	Mafic Pyroclastics	MGrn	FGr	-A chl alt^{d} grn matrix w/ lapilli size flattened fragments w/ flattened chl. alt^{d} mafic phenos -Fragments rounded to subangular -Rarely matrix ripped up in the fl-bx -Sometimes fl becomes more massive w/ fine lapilli -The lapilli are very homogeneous (moholithic) -85.5 - 88.4 Sericite alt^{n} increases in both lapilli and matrix	Bedding 22M 65° 40M 70° 80M 70°	-Matrix is chl. alt^{d} Lapilli sericitic and carb. alt^{d} -5% Qtz Veinlets late stage x-cutting	tr py as veinlets	Mod. fault w/ broken rock 64.46 - 67.8 69.5 - 70.1 Strong Fault Zone w/ mech. ground qtz frags + clay 79.8 - 82.2 Wide fault Zone w/ broken rock 83.6 - 88.9
88.4 to 100.9	Mafic Tuff w/ Chert	Lt Grn - Lt Brn	FGr	-Generally laminated tuff w/ chert + silicified bands -Some lapilli "Ghosts" can be seen so maybe mafic pyroclastics but a strong sediment component -Some round chert frags	Bedding 90M 70°	Intense sericite alt^{n} w/ 50% silic^{n}	5% dissem py	

HOLE NO RG-106

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
100.9 to 115.1	"Muddy Tuff"	MGry	FGr Aphan	- A mixture of several rock types chert, argillite + mafic tuff - Varies from finely laminated chert + avg. w/ tuffaceous component to beds contorted by soft sed def^{n} and avg. frags in slump bx's	Bedding 106M 80°	- Mafic tuff sericite alt^{d} - Some silic^{n} by QV's - Occas QV has a soft pink mineral (barite?) - ~10% QV's (milky white)	3-5% py as frags (.5cm) and veinlets	101.5 - 104.6 Fault zone w/ broken rocks + QV's
115.1 to 120.3	Mafic Tuff w/ chert	Lt Grn	FGr Aphan	- Well laminated mafic Tuff w/ chert bands and fragments and occas. avg fragment (rounded)	Bedding 115.2M 80°	- Mafic tuff intensely seric. alt^{d} - Pyrite veinlets have some chl. alt^{n} - Strongly silic^{d}	10% py as dissem and veinlets tr cpy, tet in a 5cm QV	Intense fault w/ fgr black mud + qtz chips 117.8 - 118.8
120.3 to 122.8	Quartzite w/ min^{zn} "Silver Zone"	Lt. Gry	MGr	- A Mgr qtzite w/ equigran. qtz grains w/ 20-25% sulphides - Matrix strongly silic^{d} w/ some milky wht. QV's		- silic^{d} matrix - fractures have seric. on them	- 20-25% Sulphides dissem + blebs 121.70 - 121.78 Well laminated Massive sulphide w/ Sphal, Tet, Cpy Avg. over interval 1% Cpy 3% Sphal (Some brown) 1-2% Gal 15-18% Tet	Fault Zone 122.5 - 122.9 w/ ground rock

HOLE NO RG-106

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ZIPPY PRINT® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
122.8 to 138.3	"Muddy Tuff" Silver Zone	MGry	FGr	- Well laminated arg, chert and pyrite which is silicified -Averages 35-40% py bands - 123.5 - 124.3 large milky wht. QV w/ 10% sulphides	Bedding 123M 50°	Strongly silic^{d} 135.1 - 138.3 some transparent lt grn soft xtals (talc?)	122.8 - 123.5 strongly silicified 30% py 5% sphal 1% gal 1-2% Tet 123.5 - 124.3 Milky Wht QV w/ coarse blebs of sulphides 10% Cpy 6% Sphal 1% Tet 124.3 - 135.1 Mod. silic^{d} 40% py 3-4% sphal 1% Gal. 2-3% Tet in strong silic^{d} bands 135.1 - 138.3 Intensely Silicd w/ 30% Coarse Py as blebs 10% Sphal 1% Gal 3-4% Tet	

HOLE NO RG-106

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
138.3 to 154.2 E.O.H.	"Muddy Tuff"	MGry	FGr	- Generally well laminated avg, chert and minor mafic tuff - Sometimes bedding is contorted w/ soft sed defm - down the section the rock steadily increase in avg content and becomes more of a bx w/ 1cm frags of chert, avg and py	Bedding + Folⁿ " 138M 70° 152M 60°	- Mafic tuff seric altd - 5% milky white QV's	- Generally 10% dissem fgr pyrite in avg. - Occas 2-3 cm silicd band w/ 1-2% Sphal 1-2% Tet	Weak faults @ 144.3 - 144.4 146.4 - 146.8 150.0 - 150.8 w/ broken rock

HOLE NO RG-106

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5901	118.8	120.3			1.5											1000	1250	900	65.0ppm	140ppb			
5902	120.3	121.4			1.1	1.19	.23	.04	1490	2.03									43.46	.059			2.84
5903	121.4	122.8			1.4	1.63	2.51	.58	2010	2.95									58.63	.086			2.98
5904	122.8	123.5			.7	.087	1.46	.30	44.3	.28									1.29	.008			2.99
5905	123.5	124.3			.8	2.68	.90	.02	107.0	.26									3.12	.008			2.73
5906	124.3	125.8			1.5	.04	.08	.16	12.1	.28									0.35	.008			2.87
5907	125.8	127.3			1.5	.023	.14	.11	9.7	.23									.28	.007			2.86
5908	127.3	128.8			1.5	.035	.53	.29	14.2	.40									.41	.012			2.99
5909	128.8	130.3			1.5	.142	.97	.64	51.8	.26									1.51	.008			2.98
5910	130.3	131.8			1.5	.032	.49	.35	13.9	.12									.41	.004			2.96
5911	131.8	133.3			1.5	.610	1.77	1.16	198	.22	✓								5.78	.006			3.03
5912	133.3	135.1			1.8	.048	.13	.12	17.8	.17									.52	.005			2.87
5913	135.1	136.6			1.5	.387	2.76	1.14	185	.21	✓								5.40	.006			3.16
5914	136.6	138.3			1.7	.010	1.50	.40	10.6	.18									.31	.005			3.05
5915	138.3	139.8			1.5	.132	.28	.21	68.0	.23									1.98	.007			2.87
	120.3	122.8			2.5	1.44	1.51	0.34	1781	2.55									52.0	.074			2.92

HOLE NO RG-106

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-106 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
3.66	4.57	Ø	17	1	60°	6		
4.57	6.10	0.12	26	4	60°	6		
6.10	8.84	0.62	27	4	45°	7		
8.84	10.36	Ø	22	1	45°	6		
10.36	10.67		4	2	45°			
10.67	11.28		13	1	80°			
11.28	13.11		29	4	60°			
13.11	16.31	0.10	59	4	80°			
16.31	17.68	0.11	25	2	60°			
17.68	19.81	Ø	42	4	45°			
19.81	20.42		15	Ø	—			
20.42	22.86		43	4	60°			
22.86	24.08		29	4	60°			
24.08	26.21		33	3	45°			
26.21	26.52		5	Ø	—			
26.52	27.58		15	1	80°			
27.58	28.04		9	3	80°			
28.04	29.26		20	1	10°	6		
29.26	32.31	1.66	29	2	30°	8		
32.31	33.07	0.15	10	1	90°	7		
33.07	35.36	1.44	17	3	45°	10		ok
35.36	35.66	Ø	4	Ø	—	7		
35.66	38.40	1.11	30	5	60°	9		
38.40	40.23	0.12	29	1	45°	7		
40.23	41.45	0.58	11	6	80°	8		
41.45	44.50	0.78	37	7	60°	8		
44.50	47.55	0.98	34	5	30°/60°	8		
47.55	50.60	0.26	37	5	60°	7		
50.60	53.04	0.11	32	3	80°	6		
53.04	56.08	0.24	41	2	60°	6		
56.08	58.52	0.21	25	6	80°	7		
58.52	61.42	1.78	19	6	60°	9		
61.42	64.46	0.64	27	4	60°	6		1.94 = 65%
64.46	67.51	Ø	9	Ø	—	5	mostly rubble	0.46 = 15%
67.51	68.88	Ø	18	1	45°	6		ok
68.88	71.93	0.54	33	2	60°	7	some rubble	
71.93	73.15	0.12	9	3	60°	7	" "	0.55 = 45%
73.15	76.35	1.04	29	4	60°	10		
76.35	77.88	0.46	20	1	80°	8		
77.88	80.47	Ø	30	4	80°	6	some rubble + gouge	ok
80.47	82.30	0.34	35	2	45°	6	ok	
82.30	86.87	0.10	36	2	30°	6	lots rubble	2.48 = 55%
86.87	89.31	Ø	35	4	80°	6		1.68 = 70%
89.31	90.83	0.10	15	Ø	—	7		
90.83	93.12	0.20	30	1	80°	6	lots rubble	ok
93.12	95.71	0.55	35	1	10°	7		
95.71	97.84	0.14	19	Ø	—	7	some rubble	1.11 = 50%
97.84	98.45	Ø	9	1	80°	5	mostly "	0.29 = 45%
98.45	100.58	Ø	21	1	45°	6		1.03 = 50%
100.58	101.50	Ø	10	1	45°	7	lots rubble	0.55 = 60%

HOLE: RG-106 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
101.50	102.11	Ø	5	2	45°	5	mostly rubble	0.21 = 35%
102.11	102.72		8	1	?	5	" "	0.29 = 45%
102.72	103.63		4	1	?	6	lots "	0.24 = 25%
103.63	104.55	↓	10	1	?	5	" "	0.23 = 25%
104.55	107.59	0.23	43	4	60°	6		
107.59	108.20	Ø	14	1	?	6	some rubble	
108.20	109.73	Ø	16	3	80°	6	lots rubble	0.92 = 60%
109.73	111.56	0.12	22	5	60°	6		1.17 = 65%
111.56	111.86	Ø	3	1	80°	6		0.10 = 35%
111.86	112.47		7	1	?	5	lots rubble	0.35 = 55%
112.47	112.78		7	2	80°	6		0.27 = 85%
112.78	113.39	↓	12	2	80°	5	lots rubble	0.38 = 60%
113.39	114.60	0.12	15	4	80°	7		
114.60	116.74	0.33	24	4	60°	6		
116.74	117.80	0.15	11	3	60°	6	some rubble	0.60 = 55%
117.80	119.63	Ø	18	1	?	4	mostly gouge	0.56 = 30%
119.63	121.77	0.50	23	2	45°	7		
121.77	123.44	0.64	10	3	60°	7	lots rubble	
123.44	126.44	1.59	24	5	80°	9		
126.44	126.95	Ø	6	Ø	—	7		
126.95	129.84	0.10	35	3	60°	6		
129.84	132.89	2.12	18	13	60°	10		
132.89	135.94	1.43	15	9	45°	11		
135.94	138.68	1.25	19	9	60°	9		
138.68	140.82	0.68	22	4	60°	7		
140.82	142.34	Ø	17	1	80°	6		
142.34	144.93	Ø	24	4	60°	7		
144.93	147.22	0.51	18	5	80°	6	lots rubble	
147.22	149.96	0.21	23	6	80°	6		
149.96	151.18	0.39	6	2	60°	7		
151.18	152.10	Ø	8	4	45°	7		
152.10	154.23	0.26	22	1	30°	8		
154 EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-107			98+00NW	5+79NE	1575 M		90°	NQ	47.9m

PROJECT	CLAIM #	SURVEY COORDS.	DATE STARTED: / DATE COMPLETED:	CONTRACTOR: / CORE STORAGE:	CASING:
312	REA 1			G+D	PULLED

PURPOSE	RQD LOG / COLLAR SURVEY	PULSE EM SURVEY / MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
32.6	88°								

HOLE NO RG-107

LOGGED BY

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.35	CASING							CASING
3.35 to 11.4	Altd Mafic Tuff w/ Chert	Lt. Grn	FGr	- Highly Broken w/ 50% milky white QV's - finely laminated tuff w/ chert bands	Bedding @ 8.5M 45°	Mafic Tuff Highly sericite altd	5-10% dissem py	50% recovery
11.4 to 19.2	Quartzite	Lt Grey	MGr	- Laminated quartzite w/ 1mm equigranular qtz. grains - varying amount of mafic tuff in matrix usually weak occas. strong	Bedding 45° @ 15M	Mafics sericite altd	2-3% dissem py	50% recovery
19.2 to 24.0	"Silver Zone" Qtz Vein	Wht - Blk	FGr	- Qtz vein hosted in the quartzite - Milky wht. QV - Sulphides blebs or massive laminated		Silicn Semic. on fract.	19.2 - 21.5 Milky wht QV w/ 1% Tet 21.5 - 23.5 Some zones w/ massive sulphide finely laminated 50% Sphal 15% Cpy 10% Gal 20% Tet 23.5 - 24.0 Milky QV w/ tr tet	40% recovery Fault Zone w/ clay gouge 20.4 - 20.6

HOLE NO RG-107

PAGE 2

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
24.0 to 25.6	Quartzite	Lt Gry - Lt Grn	MGr	Massive Qtzite similar to unit above the "silver zone"		Matrix is sericite altd A lt grn mineral throughout the rock (fuchsite or talc?)	10% py as dissem + stringers	
25.6 to 36.8	Chert + Chert Bx	Lt. Gry	Aphan	Lt Gry Chert w/ fine laminations of arg. Occas py frag often brecciated and bedding contorted w/ soft sed. features		Occas QV	1-2% dissem pyrite	
36.8 to 47.85 E.O.H.	"Muddy Tuff"	MGry	FGr	Gradational contact w/ arg. gradually increasing a fgr muddy matrix w/ 50-60% py fgr rounded - wispy fragments of arg. chert, py as well as chips of the same	Bedding 41.0M 30° 47.8M 45°	None	50% py in matrix fg 5-10% py fragments pyrite is syngenetic	

HOLE NO RG-107

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5851	19.2	21.5			2.3	.109	1.91	.03	76.5	.21									2.23	.006			2.73
5852	21.5	23.5			2.0	4.18	37.4	4.12	2600	2.87									75.83	.084			3.79
5853	23.5	24.0			.5	.012	.12	.02	6.8	.02									0.20	.001			2.81
5854	24.0	25.6			1.6											112	580	250	4.0ppm	30ppb			

HOLE NO RG-107

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-107 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
3.35	5.18	Ø	6	1	30°	4		0.33 = 20%
5.18	8.23	Ø	10	1	?	6	lots rubble/all vein	0.64 = 20%
8.23	8.84	Ø	5	1	45°	5	" "	0.19 = 30%
8.84	11.28	Ø	8	1	?	5	mostly rubble	0.25 = 10%
11.28	12.50	Ø	11	1	?	5	lots rubble	0.52 = 45%
12.50	12.80	Ø	?	1	45°	4	all rubble + gouge	0.18 = 60%
12.80	14.02	0.18	10	2	30°	6		0.80 = 65%
14.02	16.76	Ø	?	2	30°	4	all rubble	0.10 = 5%
16.76	17.37	Ø	4	Ø	—	5		0.15 = 25%
17.37	20.42	Ø	12	1	?	6		0.60 = 20%
20.42	23.47	0.21	7	1	60°	6		0.57 = 20%
23.47	24.08	Ø	?	1	?	4	all rubble	0.12 = 20%
24.08	24.69	0.12	2	Ø	—	6		0.19 = 30%
24.69	25.76	0.41	13	2	80°	6		0.92 = 95%
25.76	26.21	0.26	7	2	60°	6		0.40 = 90%
26.21	28.04	0.23	11	1	30°	6		1.15 = 65%
28.04	29.57	0.52	5	1	45°	7		0.75 = 50%
29.57	31.09	0.10	6	Ø	—	6	lots rubble	0.74 = 50%
31.09 31.70	31.70 32.61	Ø Ø	3 3	3 3	45° 45°	5 6	" " " "	0.21 = 35% 0.21 = 25%
32.61	34.44	0.15	14	8	45°	6		0.91 = 50%
34.44	35.66	0.31	4	3	45°	6	some rubble	0.56 = 45%
35.66	38.10	1.01	17	4	45°	7	" "	1.99 = 80%
38.10	39.62	0.49	12	1	30°	7		
39.62	41.76	1.34	5	1	60°	10		
41.76	44.80	0.42	29	4	80°	7		ok
44.80	47.85	1.53	15	4	60°	8		
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-108			99+35NW	6+13 NE	1505 (1502)	225°	46°	NQ	47.9m
PROJECT: 312	CLAIM #: REA 1	SURVEY COORDS.				DATE STARTED: MAY 13/87 DATE COMPLETED: MAY 13/87	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE: To test the down dip mineralization exposed in trench #5

RQD LOG ✓
COLLAR SURVEY

PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
29.6	50°			47m	216	51°			
47.9	50°								

HOLE NO RG-108

LOGGED BY G. Evans

ZIPPY PRINT - — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 7.0	CASING							CASING
7.0 to 23.5	Mafic Tuff w/ Chert	Lt Grn	FGr - Aphan	-Finely laminated mafic tuff (intense seric. alt^{n}) w/ interbeds of chert and sometimes subrounded fragments of chert 1-5cm -Occasional chl. alt^{n} tuffaceous lamination	Bedding 60° @ 13M	Mafic tuff intensely sericite alt^{d} and some silicification Some chl. alt^{n} of tuff -Weathering on some fractures	2-3% py as veinlets	50% recovery
23.5 to 28.2	Argillite	Black	FGr (Very)	-A finely laminated cherty argillite w/ minor chert bands	Bedding 80° @ 26M	-Some silic^{n} by Qtz veinlets	tr - 1% py	40% recovery
28.2 to 35.7	Quartzite w/ minor tuff	Lt Grn	FGr - MGr	-Contact w/ arg gradational -Generally a good MGr qtzite w/ rounded qtz. grains in a siliceous and occas. tuffaceous matrix -Some units are fgr w/ a stronger tuffaceous component	Bedding 80° @ 30M	Mafic tuff strongly sericite alt^{d} Occas QV	tr - 2% py	40% recovery

HOLE NO RG-108

PAGE 2

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
35.7 to 39.2	"Silver Zone" Qtz Vein	Wht - Blk	FGr - Massive	- A qtz vein w/ massive sulphides hosted in the quartzite - Qtz vein milky white		Silic^{n} (w/ talc or fuchsite?)	35.7 - 39.0 80+% Sulphides 2-3% Py 50+% Sphal 25% Tet 5% Cpy 1-2% Galena 39.0 - 39.2 Milky Wht QV w/ 1% tet (talc or fuchsite)	20% recovery
39.2 to 47.4	Alt^{d} Mafic Tuff w/ Quartzite	Lt. Grn - Lt. Brn	FGr (very)	- A very fgr rock probably mainly mafic tuff strongly alt^{d} to a massive almost aphanitic rock - Some bands of alt^{d} tuffaceous rock and and some fgr quartzite beds?	Bedding? 50°	Strong sericite alt^{n} and silicification - 5% qtz veinlets - A lt grn mineral dissem (fuchsite)	- tr-1% tet in qtz veinlets - Avg 5% py dissem	
47.4 to 47.9 E.O.H.	Chert Bx w/ Argillite	Lt. Gry w/ Black	Aphan - FGr	Laminated Chert 70° w/ Arg bands 30% And angular chips and subrounded 1-3cm fragments of chert	Bedding 50° 47.5	Some Qtz Veinlets	Argillite contains ~40% py dissem	

HOLE NO RG-108

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

	Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
	BCD 5877	34.7	35.7			1.0											18	~~40~~ 54	10	0.5ppm	30ppb			
SZ	5878	35.7	37.0			1.3	13.9	11.95	15.3	33400	25.35									974.17	0.739			4.17
SZ	5879	37.0	39.0			2.0	1.42	24.5	5.62	1320	2.76									38.5	.081			3.50
SZ	5880	39.0	39.2			0.2	.015	.11	.06	22.4	.05									0.65	.001			2.87
	5881	39.2	40.7			1.5											62	140	134	2.6ppm	60ppb			
		35.7	39.0			3.3	6.34	19.56	9.43	13958	11.66									407	0.34			3.76

HOLE NO RG-108

PAGE 4

ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-108 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
7.01	8.53	Ø	6	1	80°	5	lots rubble	0.32 = 20%
8.53	11.28	0.11	17	1	60°	6		1.17 = 40%
11.28	12.80	Ø	12	1	60°	6		0.55 = 35%
12.80	14.32	0.25	13	1	45°	8		0.84 = 55%
14.32	16.46	Ø	8	1	?	6		0.37 = 15%
16.46	17.37	Ø	6	1	60°	6		0.24 = 25%
17.37	20.42	Ø	23	1	60°	6		0.76 = 25%
20.42	21.95	Ø	6	Ø	—	5	lots rubble	0.18 = 10%
21.95	23.46	Ø	10	3	80°	6		0.45 = 30%
23.46	26.51	Ø	5	1	?	5	lots rubble	0.17 = 5%
26.51	27.74	Ø	6	2	80°	6	" "	0.30 = 25%
27.74	28.96	Ø	18	2	80°	6		0.52 = 45%
28.96	29.57	0.12	5	Ø	—	6	lots rubble	0.28 = 45%
29.57	30.17	Ø	7	1	45°	5		0.19 = 30%
30.17	32.61	Ø	14	3	60°	6		0.76 = 30%
32.61	35.66	Ø	18	Ø	—	6		0.68 = 20%
35.66	36.88	Ø	2	1	?	5		0.18 = 15%
36.88	38.71	0.11	3	1	80°	7	some rubble	0.20 = 10%
38.71	39.93	0.62	16	4	60°	8		1.12 = 90%
39.93	41.76	Ø	2	1	80°	7		0.45 = 25%
41.76	42.98	0.36	11	1	45°	8		0.92 = 75%
42.98	43.59	Ø	7	Ø	—	7		0.36 = 60%
43.59	44.81	Ø	18	3	45°	6		1.07 = 90%
44.81	46.33	Ø	11	1	90°	8		0.80 = 55%
46.33	47.85	0.43	17	Ø	—	7		1.49 = 100%
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-109			97+40NW	6+75NE	160SM	225°	46°	NQ	148.75

PROJECT	CLAIM #	SURVEY COORDS	DATE STARTED	DATE COMPLETED	CONTRACTOR	CORE STORAGE	CASING
312	REA #1		MAY 10/87	MAY 12/87	G+D		PULLED

PURPOSE	RQD LOG COLLAR SURVEY	PULSE EM SURVEY MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
63.1	47°			145.0	231°	51°			
97.2	48°								
136.9	50°								

HOLE NO RG-109

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.7	CASING							
3.7 to 111.9	Mafic Pyroclastics	MGrn	FGr	- FGr chl. alt^{d} matrix w/ monolithic lapilli size round fragments - Frags. have alt^{d} chl. mafic phenos and sometimes vesicles - 80.0 - 83.8 More of a massive fl? w/ only the occas. lapilli 83.8 - 91.0 Strong flooding by qtz carb veins + sericite alt^{n} increasing 93.6 - 111.9 Sericite alt^{n} increases steadily	Bedding 15M 70° 8 45M 80° 9 70M 10 75°	- Matrix chl. alt^{d} - Lapilli seric and carb. alt^{d} - 5% Qtz Veinlets + Qtz-Carb Veinlets 17	tr - 1% dissem py 93.6 - 111.9 py up to 5% dissem 97.1 10cm milky wht. QV w/ 3% Tet 3% Sphal	29.6 - 32.8 fault w/ broken rock and clay gouge w/ hematite on fract. 95.0 - 98.1 fault w/ mechanical bx. w/ qtz. chips 102.3 - 114.7 broad fault zone w/ 50% recovery in very broken rock

HOLE NO RG-106

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
111.9 to 123.4	Mafic Tuff w/ Chert	Lt Grn	FGr	- Contact is in a fault zone w/ clay gouge - Well laminated mafic tuff and chert w/ occas chert frag - Milky QV's increase 118 - 123.4 M	Bedding 115M 80° 120M 80°	- Mafic tuff strongly seric. alt^{d} - Strongly silic^{d} - 10% milky white QV's - Occas. lamination is chl. alt^{d}	Avg. 5% dissem py.	
123.4 to 125.9	"Silver Zone" Qtz Vein	Lt Gry	Aphan	- Milky Wht QV w/ qtzite? frags - Avgs 8-10% Sulphides		- Sericite and vavely talc? on fract	8-10% Sulphides Avg 3-4% in massive QV 15-20% in fault 4% Sphal 3% Tet tr-1% cpy	Strong fault w/ clay + broken rock 124.7 - 125.4M only 50% recovery in fault
125.9 to 129.6	Mafic Tuff	Lt. Grn	FGr	- FGr mafic tuff w/ pyrite beds (syngenetic) 80% up to 15cm wide - Finely laminated beds	Bedding 128M 85°	- Intense sericite alt^{n}	Avg. 35% py as beds w/ minor dissem.	
129.6 to 146.3	"Silver Zone" Qtz Vein	Milky Wht.	Aphan	- Large milky wht. Qtz vein w/ various textures		129.6 - 133.0 5% lt grn mineral	129.6 - 133.0 5% dissem py tr cpy tr tet 133.0 - 133.7 80% sulphides laminated 40% py 15% sphal 20% Tet 2-3% Gal	130.2 - 134.11 Strong Fault Zone w/ clay

HOLE NO RG-109

PAGE 3

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd						133.7 – 137.2 lt grn mineral 3-5% in milky QV and lt orange mineral 1%	133.7 – 137.2 8% Sulphides as blebs + dissem 3% py 2-3% cpy as crse blebs (1-2cm) 1% Tet tr sphal, gal	
			9	137.2 – 138.1 Mafic tuff - seric alt'd well laminated	Bedding + Fol'n 137.5 85°		137.2 – 138.1 8% dissem py.	
			10	138.1 – 142.0 Vein has seric tuff frags, and frags of silic'd qtzite?			138.1 – 142.0 Avg ~10% Sulphides 4% dissem py 2% Cpy blebs 2% Sphal Dk Brown blebs to 4cm 2% Galena to 3cm blebs tr Tet. 142.0 – 142.7 30% Sulphides laminated 5% py 10-12% Sphal 12% Tet 2% Cpy 1% Gal	

HOLE NO RG-109

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd						142.7 - 146.2 Sericite on fract.	142.7 - 146.2 10% Sulphides fgr dissem + lam. 6% py 2% sphal 1% cpy 1% tet	
146.2 to 148.8 E.O.H.	Mafic Tuff	Lt. Grn	FGr	Finely laminated mafic tuff w/ bands of chert and pyrite	Bedding (80°)	Mafic tuff intensely seric. alt'd -30% QV's milky wht	6-8% dissem py	

HOLE NO RG-109

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5926	121.9	123.4			1.5											320	160	425	16.5ppm	20ppb			
5927	123.4	124.6			1.2	2.21	3.26	1.57	2190	3.05									63.88	.089			2.86
5928	124.6	125.9			1.3	2.54	5.13	1.43	2710	2.09									79.04	.061			2.94
5929	125.9	127.4			1.5				30.2	.09						290	183	265					
5930	127.4	129.6			1.2	~~.005~~			11.9	.05						470	122	132					
5931	129.6	131.1			1.5	.006	.07	.02	4.2	.08									.12	.002			2.94
5932	131.1	132.9			1.8	.013	.19	.07	520	1.04									15.17	.03			2.82
5933	132.9	133.7			0.8	2.13	8.65	6.53	1690	3.43									49.29	.10			3.29
5934	133.7	135.2			1.5	.379	1.30	.68	330	.52									9.63	.015			2.92
5935	135.2	136.7			1.5	.058	.08	.03	22.3	.07									.65	.002			2.91
5936	136.7	137.2			0.5	.690	.03	.03	14.0	.08									.41	.002			2.84
5937	137.2	138.1			0.9				2.6	.05						60	48	56					
5938	138.1	139.5			1.4	0.50	.02	.02	24.3	.17									.71	.005			2.87
5939	139.5	141.0			1.5	0.109	2.90	2.50	162	.34									4.73	.01			2.86
5940	141.0	142.0			1.0	.098	.87	3.58	178	.21									5.19	.006			2.89
5941	142.0	142.7			0.7	.79	6.20	4.72	780	1.43									22.75	.042			2.99
5942	142.7	144.2			1.5	.081	.48	.36	54.2	.19									1.58	.006			2.72
5943	144.2	145.2			1.0	.172	.65	.18	75.0	.30									2.19	.009			2.82
5944	145.2	146.2			1.0	.071	1.02	.91	81.0	.34									2.36	.010			2.84
5945	146.2	147.7			1.5				2.5	.06						42	56	43					

HOLE NO RG-109

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
~~123.4~~																							
Averages	123.4	125.9			2.5	2.38	4.23	1.50	2460	2.55									71.8	.074			2.90
	131.1	135.2			4.1	0.78	2.25	1.55	679	1.31									19.8	.038			2.95
	139.5	162.7			3.2	0.25	2.99	3.32	302.2	0.54									8.8	.016			2.90

HOLE NO RG109

PAGE

ZIPPY PRINT - BRIDGEPORT, RICHMOND

HOLE: RG-109 RQD LOG SHEET PROJECT: REASOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
3.66	4.27	Ø	13	2	60°	6		
4.27	4.57		6	Ø	—	6		
4.57	4.88		6	1	60°	6		
4.88	6.86		33	3	45°	6		
6.86	7.93	0.13	17	Ø	—	7		
7.93	9.30	Ø	23	2	45°	6		
9.30	10.67		25	3	45°	7		
10.67	11.89		20	1	45°	7		
11.89	13.41		16	Ø	—	6		0.62 = 40%
13.41	17.07	CASING						
17.07	20.42	0.36	29	6	60°	7		2.13 = 65%
20.42	23.47	1.62	26	3	60°	8		
23.47	26.52	0.51	42	4	60°	7		
26.52	29.57	0.41	42	4	45°	7	some rubble	
29.57	31.70	Ø	8	1	80°	4	mostly "	0.34 = 15%
31.70	32.61		6	Ø	—	5	" "	0.33 = 35%
32.61	34.44		14	Ø	—	6		0.67 = 35%
34.44	37.49	1.08	30	8	60°	8	some rubble	
37.49	38.71	0.95	17	4	45°	8	lots "	
38.71	41.76	0.95	30	5	60°	8		
41.76	44.81	2.17	18	7	60°	10		
44.81	47.85	2.82	15	4	45°	11		
47.85	50.90	1.84	23	6	45°	9		
50.90	53.95	1.15	31	3	60°	8		
53.95	57.00	0.90	31	1	80°	7		
57.00	59.13	0.24	29	5	60°	7	some rubble	
59.13	62.18	0.90	34	8	45°	8		
62.18	65.23	1.42	28	11	60°	9		
65.23	68.28	0.39	32	4	60°	6	some rubble	2.06 = 65%
68.28	71.32	1.32	33	5	45°	8		
71.32	74.37	2.34	26	4	45°	10		
74.37	77.42	2.42	17	6	60°	11		
77.42	80.47	2.16	21	5	60°	10		
80.47	83.82	2.61	18	2	80°	11		
83.82	85.95	1.16	13	2	45°	9		
85.95	87.48	0.82	18	2	80°	8		
87.48	90.53	1.70	25	2	60°	10		
90.53	93.57	0.82	25	3	30°	8	some rubble	
93.57	96.62	1.06	33	5	30°	9		
96.62	99.67	0.99	31	4	60°	7	some rubble	
99.67	102.26	0.22	33	3	45°	6	lots "	
102.26	103.63	0.21	13	Ø	—	6	mostly "	0.71 = 50%
103.63	104.24	Ø	4	1	80°	5	" "	0.24 = 40%
104.24	104.85		6	Ø	—	5	" "	0.25 = 40%
104.85	106.07		12			4	" "	0.50 = 40%
106.07	106.38	0.11	4			5	" "	0.31 = 100%
106.38	106.99	Ø	4			5	" "	0.19 = 30%
106.99	107.29		3	1	?	5	" "	0.20 = 65%
107.29	107.59		6	1	?	4	" "	0.25 = 85%
107.59	108.20		3	Ø	—	5	" "	0.17 = 30%

HOLE: RG-109 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
108.20	109.12	Ø	12	1	?	5	mostly rubble	0.45=50%
109.12	111.86		?	Ø	—	3	all "	0.05=0%
111.86	113.08		?	1	?	3	" "	0.14=10%
113.08	114.30		5	1	30°	6	some "	0.21=15%
114.30	114.91		14	1	80°	6	" "	0.81=>100%
114.91	117.50	0.11	43	5	80°	7	" "	
117.50	119.79	0.33	23	5	60°	6	" "	
119.79	122.83	0.57	31	3	60°	8	" "	
122.83	125.58	0.60	20	5	60°	6	lots "	1.64=60%
125.58	128.63	0.11	18	3	45°	6	" "	1.62=55%
128.63	129.54	Ø	10	3	60°	6	some "	0.70=75%
129.54	132.59	0.62	24	6	45°	7	" "	
132.59	134.11	Ø	15	2	80°	5	lots "	
134.11	136.25	0.71	20	7	60°	7	some "	
136.25	136.86	0.14	6	2	80°	6	lots "	
136.86	138.68	0.38	25	6	45°	8		
138.68	140.21	0.68	16	4	45°	8		
140.21	140.82	0.12	5	1	80°	6	some rubble	0.30=50%
140.82	142.34	0.83	14	2	60°	8		
142.34	143.56	0.28	10	2	80°	6	lots rubble	
143.56	144.17	0.11	9	1	?	6	some "	
144.17	144.48	0.13	3	1	?	8	all vein	
144.48	144.78	Ø	4	2	45°	7		
144.78	147.22	0.65	24	8	80°	7		
147.22	148.13	Ø	10	3	60°	6	some rubble	0.54=60%
148.13	148.75	Ø	?	1	?	4	all rubble	0.10=15%
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-110			99+35NW	6+13NE	1503		-90°	NQ	66.1
PROJECT: 312	CLAIM #: REA #1	SURVEY COORDS.				DATE STARTED: MAY 13/87 DATE COMPLETED: MAY 14/87	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
31.09	87°								
66.0	86°								

HOLE NO RG-110

LOGGED BY G.E.

ZIPPY PRINT - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 6.1	CASING							CASING
6.1 to 22.7	Mafic Tuff w/ Chert	Lt. Grn	FGr - Aphan	- Finely laminated mafic tuff w/ chert beds and fragments - Occas 1-2 cm rounded chert fragment	Bedding 13M 45°	- Tuff is intensely sericite alt^{d} - Some silic^{n} by qtz veinlets - Some chl. alt^{n} w/ py veinlets	Avg. 10% py as veinlets w/ minor dissem py	Fault w/ seric + clay gouge 22.6 - 22.7
22.7 to 28.3	Argillite w/ Qtzite	MGry	FGr - MGr	Top is a fault contact unit is finely laminated arg w/ qtzite units	Bedding 24M 40°	Some silic^{n} by QV's	1-2% dissem py	N.B. Arg is not conductive
28.3 to 30.2	Qtzite	Lt. Gry	Mgr	- Gradational contacts into arg. - Equigranular qtz grains (1mm) in an arg. matrix	Bedding 30M 45°	- N/A - - some qtz. veinlets	5% dissem py	
30.2 to 32.0	Argillite w/ Qtzite	MGry - Black	FGr	- Again gradational contacts w/ Qtzite - Finely laminated arg. w/ qtzite beds w/ an arg. matrix	Bedding 31 45°	- some qtz veinlets		N.B. some argillite is weakly conductive

HOLE NO RG-110

PAGE 2

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
32.0 to 41.4	Quartzite w/ Mafic Tuff	Lt. Brn	Mgr	- Finely laminated quartzite w/ 1mm equigranular qtz grains - Matrix contains sericite alt^{d} mafic tuff which steadily increases down the unit - Frequent 2-3mm frags? of pyrite	Bedding @ 45M 45°	- Mafic tuff strongly sericite alt^{d} - 5% milky white QV's	- 5% dissem py - Occas. py band 80% py 5cm - Occas. Milky QV has tr tet	
41.4 to 45.1	"Silver Zone" Qtz Vein	Milky Wht.	Aphan	- Massive milky wht. Qtz Vein w/ 15-18% sulphides as blebs - Occas. strongly seric. alt^{d} wallrock frag + some zones appear to be silic^{d} qtzite		- Sericite alt^{n} on fract.	15%-18% Sulphides as coarse up to 3cm blebs + dissem Avg. 2% py 8-9% cpy 3-4% sphal 2-3% tet tr gal	
45.1 to 48.4	Mafic Tuff w/ Qtzite	Lt Grn	FGr - MGr	Beds of alt^{d} mafic tuff mixed w/ quartzite (equigranular) w/ thin beds + frags of 80% py - Pyrite frags rounded to 3cm	Bedding 45° @ 47.6	- Strong seric. alt^{n} - Occas. qtz veinlet	- 2-3% dissem - Occas py bed up to 5cm w/ 80% py	

HOLE NO. RG-110

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
48.4 to 51.0	"Silver Zone" Qtz Vein	Milky wht	Aphan.	- 80% Qtz Vein hosted in mafic tuff + qtzite - Vein has zones that appear mottled (silicified qtzite) - some vuggy patches in vein (appear as frags)		Some seric on fract and lt grn mineral (talc?)	- 7-9% Sulphides as dissem + veinlets - Sulphides decrease @ bottom 40% of vein Avg 2-3% Cpy 1-2% Tet 1-2% Gal 2% Sphal	
51.0 to 58.8	Mafic Tuff w/ Quartzite	MGrn	FGr	- Finely laminated mafic tuff w/ beds of qtzite w/ a tuffaceous matrix	Bedding 55.2 50°	- Intense seric. alt^{n} to mafic tuff - Qtz Veins (milky wht. 20% - Fault Zone 56.8 - 58.8 is silic^{d} and has a lt grn mineral	Avg 5-8% py dissem + stringer	Strong fault zone 56.8 - 61.8 w/ broken rock 50% recovery and alt^{n} w/ QV's
58.8 to 66.1 E.O.H.	"Muddy Tuff"	MGry	FGr	An arg.-pyritic matrix contains rounded fragments .5-3cm of arg, chert and pyrite in a slump bx.	Bedding 63M 45°	Some silic^{n} 10% QV's	- Matrix contains 50% fgr. syngenetic py	

HOLE NO RG-110

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5916	39.9	41.4			1.5				2.2	0.04						27	56	22					
5917	41.4	42.6			1.2	.308 ~~.308~~	1.12	.22	220	.74									6.42	.022			2.67
5918	42.6	43.8			1.2	.690	1.37	.82	191	.89									5.57	.026			2.76
5919	43.8	45.1			1.3	.327	0.21	.22	109.5	.35									3.19	.010			2.78
5920	45.1	46.6			1.5				1.7	0.120						25	34	136					
5921	46.6	48.4			1.8				4.0	0.150						99	200	60					
5922	48.4	49.9			1.5	.256	.51	.39	43.8	.52									1.28	.015			2.72
5923	49.9	51.0			1.1	.028	.42	.02	6.1	.19									0.18	.006			2.84
5924	51.0	52.5			1.5				2.0	0.130						74	78	12					
5925	56.8	58.8			2.0				1.4	0.04						46	130	10					
	41.4	43.8			2.4	.499	1.24	.52	205.5	.82									5.99	.024			2.72

HOLE NO RG-110

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-106 (110) RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
6.10	8.23	Ø	?	Ø	—	4	all rubble	0.12 = 5%
8.23	11.28	Ø	13	↓	↓	5	mostly "	0.36 = 10%
11.28	12.80	0.12	8			5	" "	0.33 = 20%
12.80	13.87	0.13	13			6		0.74 = 70%
13.87	17.37	0.65	29	2	80°	7	some rubble	1.91 = 55%
17.37	19.96	0.61	26	2	45°	7		2.01 = 80%
19.96	23.15	1.04	24	1	?	8	some rubble	2.49 = 80%
23.15	24.38	Ø	5	Ø	—	7		0.56 = 45%
24.38	27.13	0.16	13	1	45°	6		0.92 = 35%
27.13	29.57	0.75	18	4	80°/10°	7		
29.57	31.09	0.75	14	2	60°	8		
31.09	32.61	Ø	10	2	60°	6		
32.61	33.22	0.22	3	1	80°	8		
33.22	33.83	0.11	6	Ø	—	8		
33.83	35.66	0.69	16	Ø	—	8		
35.66	38.71	0.77	25	2	60°	7		ok
38.71	40.23	0.57	12	4	45°	8		
40.23	41.76	0.60	13	5	45°	6	lots rubble	
41.76	42.37	0.13	3	1	?	7	all vein	
42.37	44.81	0.68	17	2	?	8	mostly vein	
44.81	46.33	0.70	9	3	45°	8		
46.33	47.85	0.97	10	5	30°	9		
47.85	50.90	1.70	23	6	60°	9		
50.90	53.95	1.58	26	3	80°	8		
53.95	55.78	1.18	14	4	45°	9		
55.78	57.00	0.40	8	5	60°	8		
57.00	58.83	0.70	17	2	30°	7		
58.83	60.05	Ø	4	1	?	5	all rubble	0.13 = 10%
60.05	60.65	↓	5	1	?	4	" "	0.12 = 20%
60.65	61.87		2	1	?	5		0.08 = 5%
61.87	62.79	↓	5	1	?	5	mostly rubble	0.36 = 40%
62.79	64.92	0.61	26	2	45°	7		?
64.92	66.14	0.77	6	Ø	—	9		ok
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-111						180°	-80°	NQ	
PROJECT	CLAIM #	SURVEY COORDS	99+48.0	6+72.5	1508.8	DATE STARTED: DATE COMPLETED:	CONTRACTOR: CORE STORAGE:	CASING:	

PURPOSE	RQD LOG COLLAR SURVEY	PULSE EM SURVEY MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
30.48	80°			104.2	178°	80°			
60.65	77°								
87.48	78°								
104.55	79°								

HOLE NO RG-111

LOGGED BY

ZIPPY PRINT - BRIDGEPORT, RICHMOND

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT	DEP	ELEV	COLLAR BRNG	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-111						180°	80°	NQ	103.9
PROJECT 312	CLAIM # REA 1	SURVEY COORDS	99+48.0	6+72.5	1508.8	DATE STARTED: MAY 13/87 DATE COMPLETED: MAY 15/87	CONTRACTOR G+D CORE STORAGE	CASING PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
30.48	80°			104.2	178°	80°			
60.65	77°								
87.48	78°								
104.55	79°								

HOLE NO RG-111

LOGGED BY G. Evans

ZIPPY PRINT - BRIDGEPOINT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 6.1	CASING							CASING
6.1 to 31.0	Mafic Tuff w/ Chert	Lt Grn	FGr - Aphan	- FGr. well laminated mafic tuff w/ interbeds of chert and chert frags. (rounded 5mm - 2cm) - Occas. matrix has an arg component ie 20.4 - 21.2	Bedding 12M 60°	- Strong hematite weath. on fault 6.1 - 19.4 - 10% milky wht QV's - large milky QV 28.9 - 29.9 - Mafic Tuff strongly seric. alt'd	1-2% dissem py w/ occas. py veinlet	Fault w/ gouge + clay 29.9 - 30.0
31.0 to 41.5	Pyritic Mudstone	MGry-Brn	FGr	- A mudstone w/ 40-60% fgr pyrite in the matrix that is well laminated - Occas. arg band w/ only 1-2% py - Ang. frags of arg + chert 3 - 15mm	Bedding 70° 37M	- Occas. qtz. veinlet	- Avg. 40-60% fgr syng. pyrite	
41.5 to 54.6	Mafic Tuff w/ Quartzite	Lt Grn	FGr - MGr	- Well laminated fgr mafic tuff - Some beds of quartzite w/ 1-2 mm equi. qtz. grains - Mafic tuff has round pyrite frags 1-2cm	Bedding 45° @ 45M	- Mafic Tuff intensely seric. alt'd - 15% milky white QV's	- Avg 5% py as frags + knots - 45.1 - 46.1 A milky QV w/ zones of silic'd qtzite contains 5% py and tr - 1% tet as blebs + fgr dissem.	Fault w/ clay gouge 42.1 - 42.3

HOLE NO RG-111

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
54.6 to 70.4	"Silver Zone" Qtz Vein	Milky White	Aphan	- A large milky white QV w/ zones of silic^{d} qtzite -Vuggy zones in the vein -Some zones have qtz bx w/ ang. frags		-Silic^{n} w/ seric. on vein fract -talc or a lt. grn mineral on fract. -qtzite silic^{d}	Zone Avgs 1% py 5-6% Tet as veinlets + blebs tr-1% Gal as blebs 1% sphal lt 2-3% Cpy as crse blebs 1-2cm 54.6 - 60.2 relatively barren 60.2 - 68.8 High grade portion w/ zones of 20% Tet 69.8 - 70.0 Massive Sulphides well laminated (equiv. to RG-105)	Strong fault w/ rock chips 1-2mm 58.8 - 58.9 54.6 - 57.6 have only 60% recovery strong fault w/ gouge
70.4 to 85.4	"Muddy Tuff"	MGry	FGr	- A muddy fgr pyritic matrix 40% py w/ beds of chert + frags of chert, arg and pyrite (slump bx)	Bedding 60° 74.6M	- Some silic^{n}	40% fgr py (syngenetic) tr sphal in silic^{d} veinlets 80.4 - 84.2 25% Silic^{d} Zones w/ 10% Sphal as blebs + veinlets 2-3% Galena 2% Tet tr cpy	Strong fault zone w/ clay gouge 70.4 - 72.5

HOLE NO RG-111

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
85.4 to 97.2	Argillite	Black	FGr	Well laminated argillite w/ occas 20cm pyrite bed (80% py) N.B. some crossbedding indic. tops downhole	Bedding 92M 45°	10% Qtz Veins	Avg. 5% dissem py in avg 80% py in beds (40cm total)	Strong fault w/ clay gouge 95.6 - 96.6 w/ a qtz. vein
97.2 to 103.9 E.O.H.	"Muddy Tuff"	M.Gry	FGr	97.2 - 99.2 Dominantly mafic tuff + chert but grades into a py.-avg matrix w/ beds of mafic tuff, chert and frags of chert and py	Bedding 45-60°	Some silic^{n}	Avg. 10-15% dissem py	Strong fault w/ clay gouge 98.4 + 98.6 Large Fault zone 102.5 —

HOLE NO RG-111

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5201	45.1	46.1			1.0	.012	.02	.01	2.5	.01									.07	.001			2.79
5202	53.1	54.6			1.5	~~.27~~			12.4	.045						198	44	42					
5203	54.6	56.1			1.5	.02 ~~.025~~	.01	.01	10.2	.01									.30	.001			2.75
5204	56.1	57.6			1.5	.03 ~~.035~~	.01	.01	15.8	.01									.46	.001			2.75
5205	57.6	59.1			1.5	.09 ~~.205~~	.02	.04	120	.15									3.50	.004			2.81
5206	59.1	60.6			1.5	.705 ~~.214~~	1.68	.12	715	1.18									20.85	.034			2.82
5207	60.6	62.1			1.5	.241 ~~.556~~	.27	.04	252	.23									7.35	.007			2.78
5208	62.1	63.6			1.5	.550 ~~.726~~	.40	.02	187	.18									5.45	.005			2.73
5209	63.6	65.1			1.5	.720 ~~.600~~	.86	.64	590	.58									17.21	.017			2.92
5210	65.1	66.6			1.5	.600 ~~.542~~	1.34	.59	660	1.00									19.25	.029			2.87
5211	66.6	68.1			1.5	.542 ~~.537~~	.36	.04	650	1.01									18.96	.029			2.76
5212	68.1	69.6			1.5	1.37	.76	.06	1280	1.90									37.33	.055			2.78
5213	69.6	70.4			.08	.23	5.10	2.68	337	1.21									9.83	.035			2.99
5214	70.4	71.9			1.5	* .			5.2	0.26						225	2100	1320					
5215	80.4	81.9			1.5	.19	1.82	.76	42.8	.22									1.25	.006			3.01
5216	81.9	83.1			1.2	.058	.26	.18	16.3	.24									.48	.007			2.96
5217	83.1	84.2			1.1	.135	2.51	.58	57.0	.23									1.66	.007			3.07

HOLE NO RG-111

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
AVERAGES																							
	59.1	70.4			11.3	0.644	1.11	0.39	599.2	0.89									17.5	.026			2.82

HOLE NO RG-111

PAGE

ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-111 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
6.10	8.23	Ø	3	2	45°	6	mostly rubble	0.16 = 5%
8.23	9.75	0.24	18	Ø	60°	6	some "	1.13 = 75%
9.75	11.28	0.34	14	1	80°	6	" "	1.07 = 70%
11.28	12.80	0.14	15	1	30°	6	" "	0.92 = 60%
12.80	14.17	0.11	6	1	30°	5	lots "	0.33 = 25%
14.17	14.63	Ø	3	Ø	45°	6		0.22 = 50%
14.63	14.93	↓	4	1	45°	4	all rubble	0.10 = 35%
14.93	16.46		15	Ø	60°	5	lots "	0.48 = 30%
16.46	17.37	0.11	16	1	80°	6	" "	0.71 = 85%
17.37	19.20	Ø	11	1	60°	6	" "	0.67 = 35%
19.20	20.42	0.15	9	1	60°	6	some "	0.63 = 50%
20.42	23.47	Ø	16	1	60°	6	lots "	0.79 = 25%
23.47	24.99		17	Ø	60°	6		1.05 = 70%
24.99	28.04		35	1	80°	6	some rubble	1.98 = 65%
28.04	29.26		22	2	60°	6		1.08 = 90%
29.26	31.09		10	1	80°	6	lots rubble	0.46 = 25%
31.09	32.00	↓	13	Ø	60°	6	some "	0.55 = 60%
32.00	32.61	0.11	9	1	60°	6		
32.61	34.14	0.49	18	2	45°	7		
34.14	35.66	0.99	9	Ø	45°	8		
35.66	38.71	1.74	20	1	45°	9		
38.71	41.45	0.26	24	1	80°	7	some rubble	
41.45	42.06	Ø	6	Ø	80°	5	lots "	0.30 = 50%
42.06	44.20	Ø	30	1	80°	6	" "	0.97 = 45%
44.20	45.57	0.11	11	1	45°	7		0.95 = 70%
45.57	46.33	0.19	7	3	45°	6		0.58 = 75%
46.33	47.24	0.53	7	1	45°	8	some rubble	0.80 = 90%
47.24	48.16	Ø	7	2	45°	6	lots "	0.38 = 40%
48.16	49.07	0.14	9	1	60°	6		0.52 = 55%
49.07	50.29	0.51	6	3	45°	8		
50.29	51.51	0.58	12	4	45°	8		
51.51	53.34	0.81	10	2	60°	8		
53.34	54.56	Ø	8	Ø	60°	7		
54.56	54.86	↓	4	1	80°	7	some rubble	
54.86	56.39		8	1	80°	6	" "	0.36 = 25%
56.39	57.61	↓	10	1	80°	6	" " all vein	0.58 = 45%
57.61	57.91	0.42	3	1	80°	8	" "	
57.91	58.83	Ø	6	Ø	60°	6		0.40 = 45%
58.83	59.74	Ø	9	1	60°	5	lots rubble	
59.74	60.65	0.29	11	1	60°	6	some "	
60.65	63.09	0.11	16	2	60°	6	lots "	1.22 = 50%
63.09	65.07	0.98	14	2	60°	8	some "	1.63 = 80%
65.07	66.14	0.12	8	2	80°	6	" "	0.62 = 60%
66.14	67.36	0.28	13	1	45°	6	" "	
67.36	69.80	1.37	16	3	45°	8		
69.80	72.24	1.20	15	1	30°	8		
72.24	73.76	0.11	15	2	45°	7	some rubble	
73.76	76.81	1.11	21	2	60°	7		
76.81	78.33	0.11	13	Ø	62°	6	lots rubble	
78.33	79.86	0.77	10	Ø	67°	7	some "	

HOLE: RG-111 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
79.86	82.91	1.93	23	3	60°	8		
82.91	84.73	0.42	14	0	60°	7	some rubble	1.78 = 100%
84.73	87.48	0.59	24	1	60°	6	" "	
87.48	88.39	0.22	7	1	45°	6		
88.39	90.37	0.25	17	5	45°	7	some rubble	
90.37	91.44	0	10	1	10°	6	lots "	
91.44	93.57	0.60	20	3	60°	6		
93.57	96.62	0.80	21	4	45°	7		
96.62	99.67	0.27	22	4	60°	7		
99.67	102.11	0.37	18	3	60°	6	lots rubble	1.87 = 75%
102.11	103.94	0	14	0	54.5°	5	" "	1.10 = 60%
103.94								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-112			97+32	6+85	1618	209°	-58°	NQ	166.72
PROJECT 312	CLAIM # REA 1	SURVEY COORDS				DATE STARTED: MAY 16/87 DATE COMPLETED: MAY 18/87	CONTRACTOR: GTD CORE STORAGE:	CASING: PULLED	
PURPOSE								RQD LOG COLLAR SURVEY	PULSE EM SURVEY MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
78.33	56°			161.0 M	206°	54°			
132.89	56°								

HOLE NO RG-112

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.0	CASING							CASING
3.0 to 133.8	Mafic Pyroclastics	MGrn	FGr	-chl rich matrix w/ lapilli sized frags -lapilli monolithic w/ chl altd remnant mafic phenos - 28.7 - 31.0 massive fl or tuff 112.1 - 133.8 sericite altn increases w/ 10% qtz-carb veinlets	Bedding 23M 80° 7 57.5M 12 80° 86.0M 17 80°	-Matrix chl altd -Lapilli seric. + carb altd -Weathering on fract 8 3.0 - 14.5 -5% Qtz-Carb veins + veinlets	generally 1-2% dissem py. 23 121.3 - 133.8 py increases as dissem + veinlets 10-15% 26. 126.6 - 127.1 QV w/ carb 5% dissem py. 10% brown sphal as blebs 3% Galena 1% Tet.	13 Mod. fault zone 78.2 - 78.7 w/ broken rock + some clay 18 Mod faults @ 108.8 - 109.0 110.2 - 110.5 w/ broken rock + clay 23 Mod fault w/ broken rock 123.9 - 125.5

HOLE NO RG-112

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
133.8 to 142.2	"Muddy Tuff"	Lt. Blk	FGr	- Dominantly arg. bx w/ arg, py and chert in a slump bx Laminations highly contorted w/ soft sed. def^{n} - 136.5 - 138.6 a mafic tuff rich zone - Some mafic tuff in the matrix of the muddy tuff	Bedding 139 75°	Qtz Veinlets	5% py	Strong Faults w/ clay gouge @ 133.8 - 134.9 136.9 - 137.2 141.2 - 141.7 Intense clay alt^{d} Fault starts @ 142.2 → cont'd
142.2 to 156.1	Major Fault Zone	Lt Gry	FGr	- Major shear zone w/ dominantly "Muddy Tuff" Qtz veins and min^{zn} as chips in a clay matrix - A mechanical bx - chips consist of arg, mafic tuff, chert, pyrite, QV		- clay is composed mainly of sericite - 30+% QV's 144.4 - 148.5 Serie alt^{n} toccas lt grn mineral (talc?)	142.2 - 144.4 Arg + mafic tuff w/ 2-3% py 144.4 - 148.5 Qtz vein w/ mottled "qtzite" text 1-2% lt sphal 1% galena ~10% tet as dissem tblebs some vein bx 148.5 - 148.9 Zone of laminated sulphides @ 45° to axis 10% lt brn sphal 20-25% Tet	

HOLE NO RG-112

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd							148.9 – 156.1 Silic'd muddy tuff 30+% py 2-3% lt brn sphal 1-2% tet tr cpy + gal	
156.1 to 165.7 E.O.H.	"Muddy Tuff"	Lt Grey	FGr	A well laminated cherty muddy tuff w/ some flattened chert frags in a pyritic matrix	Bedding 157M 80° 166M 70°	Mod. silicified	156.1 – 163.7 Silic'd muddy tuff w/ 30% fgr syng. py 2-3% lt brn sphal 1-2% tet tr gal. 158.0 – 158.3 zone has 2-3% cpy 163.7 – 165.7 15-20% fgr syng. py	Faults w/ clay gouge @ 160.9 – 161.3 163.3 – 164.3 165.3 – 166.4 + broken rock

HOLE NO RG-112

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	~~PPM~~ opt Ag	~~PPB~~ opt Au			SG
BCD-5951	126.6	127.1			0.5	.012	2.16	1.63	11.8	.04									0.34	.001			2.98
5952	142.9	144.4			1.5				6.9	.01						74	146	52					
5953	144.4	145.9			1.5	1.40	.46	.02	1490	2.23									43.46	.065			2.69
5954	145.9	147.4			1.5	1.43	1.31	.20	1580	1.86									46.08	.054			2.72
5955	147.4	148.5			1.1	1.32	1.10	.30	1445	1.60									42.15	.047			2.70
5956	148.5	148.9			0.4	1.82	6.78	3.37	1990	1.72									58.04	.050			2.99
5957	148.9	150.4			1.5	.49	3.84	2.50	442	.88									12.89	.026			2.89
5958	150.4	151.9			1.5	.284	2.56	1.45	211	.55									6.15	.016			2.84
5959	151.9	153.4			1.5	.151	1.42	.63	118.5	.42									3.46	.012			2.82
5960	153.4	154.9			1.5	.040	.57	.33	24.2	.37									0.71	.011			2.81
5961	154.9	156.1			1.2	.173	3.79	2.12	209.5	.64									6.11	.019			2.96
5962	156.1	157.6			1.5	.054	1.10	.54	36.0	.43									1.05	.013			2.94
5963	157.6	159.1			1.5	.465	1.00	.62	184.5	.68									5.38	.020			2.94
5964	159.1	160.6			1.5	.035	.93	.41	34.0	.42									0.99	.012			2.92
5965	160.6	162.1			1.5	.062	3.00	1.92	89.5	.46									2.61	.013			3.07
5966	162.1	163.7			1.6	.290	.84	.39	65.4	.48									1.91	.014			2.89
5967	163.7	165.2			1.5				11.8	0.18						156	220	335					

HOLE NO RG-112

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
	146.4	148.9			4.5	1.43	1.46	.45	1553	1.91									45.3	.056			2.73
	144.4	151.9			7.5	1.01	2.16	1.06	1063	1.43									31.0	.042			2.78
	154.9	156.1			1.2	.173	3.79	2.12	209.5	.64									6.11	.019			2.96
	157.6	159.1			1.5	.465	1.0	.62	184.5	.68									5.38	.020			2.94

HOLE NO RG 112

PAGE

ZIPPY PRINT - BRIDGEPORT, RICHMOND

HOLE: RG-112 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
3.04	5.18	0.62	19	3	45°	8		1.40=65%
5.18	8.23	0.13	41	3	45°	6		
8.23	11.28	0.20	53	7	60°	6		
11.28	14.33	Ø	52	1	80°	6		
14.33	17.37	0.76	38	7	60°	7		
17.37	20.42	1.95	24	4	45°	9		
20.42	23.47	1.16	32	5	80°	9		
23.47	26.52	1.32	30	4	45°	10		
26.52	29.57	0.79	35	9	60°	8		
29.57	32.61	0.79	43	8	80°	7		
32.61	35.66	0.12	40	3	60°	6	some rubble	
35.66	38.71	1.13	42	5	45°	8		
38.71	41.76	0.65	42	4	80°	7		
41.76	44.81	2.01	25	7	80°	8		
44.81	47.85	2.69	20	4	45°	10		
47.85	50.90	1.76	25	1	60°	9		
50.90	53.95	1.08	36	Ø	—	7		
53.95	57.00	1.70	29	4	60°	8		
57.00	60.05	0.92	33	2	60°	8		
60.05	63.09	2.24	21	7	45°	10		
63.09	66.14	0.42	41	Ø	—	7		
66.14	69.19	0.48	37	9	60°	7		
69.19	72.24	1.89	21	6	60°	10		
72.24	75.29	2.14	24	4	80°	8		
75.29	78.33	0.91	31	2	45°	8	some rubble	
78.33	81.38	0.98	31	3	30°	7	" "	
81.38	84.43	1.62	25	5	45°	9		
84.43	87.48	2.33	21	Ø	—	10		
87.48	90.53	2.60	18	5	60°	11		
90.53	93.57	2.56	18	2	45°	11		
93.57	96.62	1.54	18	3	80°	11		
96.62	99.67	2.18	19	4	45°	10		
99.67	102.72	2.54	19	3	60°	10		
102.72	105.77	2.35	18	4	60°	11		
105.77	108.81	1.32	38	6	60°	8		
108.81	111.86	0.75	33	3	45°	7	some rubble	2.42= 80%
111.86	114.91	1.12	39	4	60°	8		
114.91	117.65	0.54	38	4	60°	7	some rubble	
117.65	120.85	1.75	28	8	45°	7		
120.85	123.90	1.72	25	6	60°	8		
123.90	126.64	0.74	31	4	60°	6	some rubble	
126.64	129.84	2.14	24	1	45°	10	" "	
129.84	133.05	1.28	29	4	45°	7	" "	
133.05	135.03	0.33	11	2	60°	6	lots "	1.02= 50%
135.03	135.78	Ø	7	2	80°	6	" "	0.44= 60%
135.78	138.68	0.76	26	3	45°	6	" "	
138.68	140.51	0.60	16	1	80°	7	some "	
140.51	142.95	0.15	23	6	60°	6	some "	
142.95	145.08	0.26	15	2	60°	6	lots gouge	
145.08	146.46	Ø	13	2	60°	5	" rubble	0.72= 50%

HOLE: RG-112 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
146.46	148.13	0.41	13	4	45°	5	some gouge	
148.13	151.18	0.84	23	1	60°	7	" "	
151.18	152.40	0	13	2	45°	6	" "	
152.40	154.23	0	13	2	45°	6	lots "	1.13 = 60%
154.23	156.06	0.82	11	1	80°	8		
156.06	158.80	0.33	26	3	60°	7		2.27 = 85%
158.80	161.85	1.06	26	1	90°	8	some rubble	
161.85	164.28	0.31	17	1	30°	6	lots "	1.72 = 70%
164.28	166.73	0	23	4	80°	6	lots "	2.02 = 80%
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-113			99+75NW	6+31NE	1497 M		90°	NQ	72.2M
PROJECT: 312	CLAIM #: REA 1	SURVEY COORDS				DATE STARTED: DATE COMPLETED:	CONTRACTOR: CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
40.2	90°								
72.24	89°								

HOLE NO RG-113

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 18.3	CASING							CASING
18.3 to 20.9	Mafic Tuff w/ Chert	Lt Grn	FGr Aphan	Finely laminated mafic tuff w/ chert frags 1-2cm subrounded -N.B. loading suggests tops downhole	Bedding @ 18.6 45°	Mafic tuff seric altd Some silicn by QV's	Avgs. 10% dissem py in QV's	
20.9 to 34.5	Argillite + Qtzite	Lt Grey	FGr - MGr	-Finely laminate arg beds interbedded w/ MGr coarse-massive quartzite beds -Occas. syng. py bed and round pyrite frags -Quartzite equigranular qtz. grains w/ chips of arg. and larger qtz. grains	Bedding 24.8 45° Foln // Bedding	24.1 - 24.6 Bull Milky Wht QV	8% py beds + frags (fgr syngenetic)	N.B. some graphite in the arg. that is weakly conductive
34.5 to 58.5	Mafic Tuff + Qtzite	Lt Grn	FGr - MGr	Finely laminated mafic tuff w/ massive beds of quartzite w/ equigran qtz grains and occas arg. chip -50% late stage milky QV's w/ minlzn -Some round syngenetic pyrite frags	Bedding	Mafic tuff seric altd	Avg 10% dissem py w/ beds of 80% py Qtz veins contain blebs of minlzn 1% blackjack sphal 1% tet tr gal. 36.7 - 55.0	

HOLE NO RG-113

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				and occas py. bed		some frags in the QV appear to be silicd qtzite -a pink mineral (barite?) in QV 49.5 - 50.0		Strong fault zone w/ clay + mechanical bx + QV's 54.2 - 60.1
58.5 to 72.2 E.O.H.	Muddy Tuff	MGry	fgr	-Contact is a strong fault zone -A arg.-pyritic matrix finely laminated w/ frags .5-5cm of chert, arg and pyrite (a slump bx)	Bedding 60.3 45° 72.0 30°	58.5 - 59.8 in fault zone clay QV's + lt grn mineral (talc?) QV's around clay altd fault 63.9 - 64.8	30-40% fgr syngenetic py as beds + frags 64.3 - 64.6	Fault zone w/ clay gouge

HOLE NO RG-113

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ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5968	36.4	37.9			1.5	·034	·10	·01	24.6	·34									·72	·01			2.92
5969	37.9	39.4			1.5	·076	·50	·01	102.0	·21									2.98	·006			2.78
5970	39.4	40.9			1.5	·007	·02	·01	12.0	·02									·35	·001			2.73
5971	40.9	42.4			1.5	x			4.3	·065						42	43	41					
5972	42.4	43.9			1.5	x			7.1	·080						57	3720	750					
5973	43.9	45.4			1.5	·017	·03	·01	14.3	·05									·42	·001			2.94
5974	45.4	46.9			1.5	·013 ~~·020~~	·02	·12	14.2	·01									·41	·001			2.81
5975	46.9	48.4			1.5	·020 ~~·005~~	·84	·04	14.3	·01									·42	·001			2.82
5976	48.4	49.9			1.5	·005 ~~·009~~	·02	·01	5.4	·04									·16	·001			2.94
5977	49.9	51.4			1.5	·009 ~~·007~~	·15	·03	6.6	·04									·19	·001			2.86
5978	51.4	52.9			1.5	·007 ~~·010~~	·05	·07	2.2	·02									·06	·001			3.09
5979	52.9	54.4			1.5	·010	·11	·05	4.1	·07									·12	·002			2.92
5980	54.4	55.9			1.5	·028	·30	·09	9.8	·10									·29	·003			2.87
5981	58.5	59.8			1.3	x			2.3	·030						45	320	40					

HOLE NO RG-113

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-113 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
18.29	20.42	Ø	6	1	?	6	lots rubble	0.25 = 10%
20.42	23.47	0.22	19	2	?	6	" "	1.15 = 40%
23.47	25.00	0.15	11	2	45°	6		0.62 = 40%
25.00	25.45	0.12	6	1	30°	6		
25.45	27.74	0.14	24	3	90°/10°	6		
27.74	29.87	0.26	20	1	60°	7	lots rubble	
29.87	32.61	0.44	29	2	60°	7	" "	
32.61	34.14	0.55	15	4	60°	7	" "	
34.14	37.19	0.82	25	9	45°	8		
37.19	38.71	0.59	13	5	45°	8		
38.71	39.62	0.34	5	3	45°	9		
39.62	41.76	1.54	15	7	60°	10		
41.76	44.81	1.87	19	8	45°	10		
44.81	47.85	1.93	19	8	45°	9		
47.85	50.60	0.90	19	7	45°	7	some rubble	
50.60	51.21	0.28	6	2	60°	6	" "	
51.21	53.04	0.54	13	7	45°	9	" "	
53.04	53.95	0.72	7	3	80°	10		
53.95	55.78	Ø	20	6	60°	6	some rubble	
55.78	57.30	Ø	11	2	30°	6	" "	
57.30	60.05	0.11	20	7	60°	6	lots "	1.62 = 60%
60.05	63.09	0.45	31	3	45°	8		
63.09	66.14	1.20	19	2	80°	9		
66.14	69.19	1.42	15	2	45°	9		
69.19	72.24	1.12	18	1	80°	9		
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

✓ METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-114							90°	NQ	41.8m
PROJECT 312	CLAIM # REA 1	SURVEY COORDS	99+75.8	6+00.0	1491.6m	DATE STARTED: DATE COMPLETED:	CONTRACTOR: G+D CORE STORAGE:	CASING: Pulled	

PURPOSE

RQD LOG ✓
COLLAR SURVEY ✓
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
41.8	86°								

HOLE NO RG-114

LOGGED BY D Pirie

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 – 15.5	CASING							
15.5 – 18.4 (approx)	QUARTZITE	grey	fg	Granular quartz in sericitic matrix becoming increasingly sericitic downhole		Moderate sericite becoming strong.	2% py.	50% recovery
18.4 – 22.4	QUARTZ VEIN (Mineralized)	white	qfh	Badly broken up quartz vein with wallrock inclusions and sulphides,		Local green mica	Pods of sphalerite (blackjack) with galena and tetrahedrite mainly in first 2m. (3sp, 2ga, 1tet) 5% py	40% recovery
22.4 – 23.5	SERICITIC TUFF	greenish grey	fg	Sericitic mafic tuff with quartz knots.		Mod sericite		
23.5 – 29 (approx)	MUDDY TUFF	grey	fg	Initially very gougey with core angles close to axis — 20° Then becomes slightly cherty (Silica flooded) until 28.5 where it is gougey again.	60° @ 27.5m	Intense clay/sericite Cherttiness probably silica flooding	5% py throughout 1% tet-sp in silica flooded zone.	

HOLE NO RG-114

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
29 - 30.5	QUARTZ VEIN	white	aph	Quartz vein with clay gouge. Minor graphite near lower contact		—	Nil	
30.5 - 32.7	CHERT AND ARGILLITE	light grey - black	aph	Bedded ~~laminated~~ pure grey chert with argillite laminae. Abundant quartz veining. Quite deformed with core angles from 20°-70°.	20°-70°	—	2-3% py, usually in specific (argillite) beds.	
32.7 - 35.7	FAULT GOUGE WITH QUARTZ			Grey muddy fault gouge with abundant white quartz, locally healed breccia.				
35.7 - EOH	MUDDY TUFF	grey	fg	Fairly typical debris flow with mainly chert frags and local argillite beds. Moderate to strong foliation	60°		10-20% py. Locally increasing to 50% or more	

HOLE NO RG-11H 41.8m — END OF HOLE

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ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	~~PPM~~ opt Ag	~~PPB~~ opt Au			SG
BCD 5987	18.4	20.5			2.1	.221	2.85	1.04	298	0.20									8.69	.006			2.81
5988	20.5	22.4			1.9	.006	.04	.01	2.7	.01									.08	.001			2.81
5989	26.9	28.4			1.5	.013	.02	.01	8.2	.02									.24	.001			

HOLE NO RG-114

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ZIPPY PRINT - - BRIDGEPORT, RICHMOND

HOLE: RG-114 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
15.5	17.4	0.13	7	Ø	—	4	mostly rubble	0.31 = 15%
17.4	20.4	Ø	13	2	45°	5	lots "	0.57 = 20%
20.4	22.3	↓	10	1	?	5	" "	0.43 = 25%
22.3	23.5		6	2	30°	6	" "	0.28 = 25%
23.5	26.5		11	1	?	6	" "	0.44 = 15%
26.5	28.3	0.44	10	3	60°	7		1.10 = 40%
28.3	29.6	Ø	8	2	45°	6		0.38 = 30%
29.6	32.0	0.63	17	5	60°	7	some rubble	1.29 = 55%
32.0	32.6	0.54	5	1	30°	8		0.69 = >100%
32.6	34.1	0.11	10	3	45°	6	lots rubble	0.60 = 40%
34.1	35.7	Ø	6	1	80°	6		0.28 = 20%
35.7	38.7	0.89	33	Ø	—	7		
38.7	40.8	0.82	18	3	45°	7	some rubble	
40.8	41.8	0.12	9	1	30°	6		

EOH

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

✓ METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-115			97+32	6+85	1618	202°	-72°	NQ	195.4m
PROJECT	CLAIM #	SURVEY COORDS.				DATE STARTED: DATE COMPLETED:	CONTRACTOR: CORE STORAGE:	CASING:	

PURPOSE

RQD LOG
COLLAR SURVEY

PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
34.14	70°			126.5	186°	-72			
89.61	69°			184.4	182°	-72			
144.78	69°								
184.71	69°								

HOLE NO RG-115

LOGGED BY

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CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

✓ METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT	DEP	ELEV	COLLAR BRNG	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-115			[illegible]	[illegible]	1618	202°	-72°	NB	195.4m
PROJECT	CLAIM #	SURVEY COORDS				DATE STARTED: DATE COMPLETED:	CONTRACTOR CORE STORAGE:	CASING	

PURPOSE	RQD LOG COLLAR SURVEY	PULSE EM SURVEY MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
34.14	70°			126.5	186°	-72			
89.61	69°			184.4	182°	-72			
144.78	69°								
184.71	69°								

HOLE NO RG-115

LOGGED BY G. Evans

ZIPPY PRINT - BRIDGEPORT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.1	CASING							CASING
3.1 to 106.1	Mafic Pyroclastics	MGrn	FGr	Lapilli size fragments in a fgr. chl. alt^d matrix w/ lapilli monolithic w/ remnant mafic phenos chl. alt^d 17.4 – 26.2 tuffaceous section w/ occas. lapilli rare lapilli has qtz filled vesicle 97.8 – 106.1 Sericite + qtz alt^n increases in fault zone	Bedding 37.5M 45° 50M 60° 80M 50°	Matrix chl alt^d Lapilli sericite and carb. alt^d 5% Qtz ± Carb Veins - Weathering on fract. to 13.4 14	- generally tr dissem py - occas py veinlet assoc. w/ QV 97.8 – 106.1 Py increases to 5% in zone	Fault w/ gouge (chl) 66.9 — 67.3 Strong Fault w/ clay gouge 68.9 – 70.8 Mod. fault zone w/ clay gouge 85.3 – 88.1 Strong fault zone 98.4 – 110.5 w/ clay gouge and ang qtz vein frags.
106.1 to 146.2	Mafic Tuff w/ Chert	Lt Grn	FGr – Aphan	Well laminated mafic tuff w/ chert beds + frags - Variolites? in some tuff bands - some (lapilli or tuff frags?) in certain zones (ghosting)	117.4 70°	Mafic tuff strongly sericite alt^d w/ 10% qtz ± carb veinlets	Avg 10% dissem. py 124.2 – 124.4 QV w/ 10% cpy 5% sphal (lt) 5% gal tr tet 140.1 – 140.15 QV w/ 5% Sphal, 3% Gal tr tet	Strong fault w/ clay gouge + qtz chips

HOLE NO RG-115

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd				142.8 – 143.3 Matrix is dominantly arg (confirms sed. nature)	143.2 60°		145.3 – 146.2 Syngenetic pyrite increases in the matrix w/ occas 5cm 80% py bed otherwise 30% py	
146.2 to 190.1	"Muddy Tuff"	MGry	FGr	– A slump bx w/ a muddy-pyritic matrix 30-40% py w/ beds + frags of arg., chert and py 146.2 – 154.5 quite chert rich zone w/ buff + grey chert 154.5 – 190.1 more arg w/ 40% py w/ occas py bed	Bedding 150M 50° 10 170M 65° 14 190M 15 60°	Some silic^{n} by Qtz veinlets 7	146.2 – 154.4 tr sphal as dicsem (lt colored) 15-20% syng. fgr py 11 154.5 – 164.2 40% py silic^{d} zones 1-10cm w/ min^{l} zn avg over width (5% vol) 2% Sphal 1% Gal tr-1% Tet 164.4 – 165.1 60% silic^{d} w/ Avg of 10% sphal 5-7% Tet 3-4% Galena 165.1 – 171.0 10% silic^{d} zones w/ Avg over width 2-3% Sphal 1-2% Gal tr tet	18 Fault zone w/ clay gouge + 60% py 165.1 – 166.6

HOLE NO RG-115

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
	cont'd						171.0 - 178.7 tr sphal 30+% py 178.7 - 184.9 30% silic'd 5-8% lt sphal 2-3% gal. 1% Tet tr cpy (occas. milky white QV w/ 5% gal.) 188.1 - 190.0 Milky QV w/ 30% py 1-2% galena 1% sphal tr tet	184.5 - 184.7 Fault w/ clay gouge
190.1 to 195.4 E.O.H.	Mudstone	Lt Gry	FGr	Well laminated mudstone w/ a mafic tuff component(?)	192M 45°	Rare milky wht QV Mafic Tuff? sevic alt'd	2% py veinlets	

HOLE NO RG-115

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ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5179	153.0	154.5			1.5				12.5	.05						425	2500	1420	~~12.5~~	~~.0~~			
5180	154.5	156.0			1.5	.342	.81	.68	106	.07									3.09	.002			2.94
5181	156.0	157.5			1.5	.160	.21	.23	40.7	.12									1.19	.004			2.94
5182	157.5	159.0			1.5	.138	.65	.72	38.3	.06									1.12	.002			2.87
5183	159.0	160.5			1.5	.051	.19	.12	12.2	.15									.36	.004			2.99
5184	160.5	162.0			1.5	.340	.66	.34	104	.20									3.03	.006			2.89
5185	162.0	163.5			1.5	.413	.28	.28	110	.24									3.21	.007			2.92
5186	163.5	165.0			1.5	.197 ~~.026~~	2.10	1.36	137	.64									4.00	.019			3.16
5187	165.0	166.5			1.5	.026 ~~.014~~	.53	.20	15.2	.45									.44	.013			3.33
5188	166.5	168.0			1.5	.014 ~~.020~~	.18	.13	9.9	.25									.29	.007			2.98
5189	168.0	169.5			1.5	.020 ~~.005~~	.06	.12	15.8	.40									.46	.012			2.94
5190	169.5	171.0			1.5	.008	.70	.13	12.0	.23									.35	.007			2.96
5191	171.0	172.5			1.5				32.0	.095						380	5000	3950					
																							~~3.05~~
5192	178.7	180.2			1.5	.072	.29	.28	38.4	.26									1.12	.008			3.05
5193	180.2	181.7			1.5	.044	1.70	.80	29.6	.58									.86	.017			3.09
5194	181.7	183.2			1.5	.130	.37	.33	32.0	.64									.93	.019			2.98
5195	183.2	184.9			1.5	.133	1.02	1.85	39.7	.06									1.16	.002			3.09
5196	188.1	190.0			1.9	.004	.13	.31	4.3	.12									.13	.004			2.91

HOLE NO RG-115

ZIPPY PRINT — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
Averages	154.5	165.0			10.5	~~0.176~~	~~0.47~~	~~0.36~~	~~52.21~~	~~0.14~~									~~1.50~~	~~.004~~			2.96
						0.24	0.70	0.53	78.3	0.21									2.28	.006			

HOLE NO RG-115

PAGE

ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-115 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
3.05	6.10	0.21	38	0	60°	7		
6.10	7.62	0	27	3	60°	6		1.13 = 75%
7.62	9.75	0.13	17	4	60°	6	some rubble	
9.75	10.67	0	14	2	80°	6		
10.67	11.89	0.11	15	2	60°	7		
11.89	14.02	0.41	40	5	60°	7		
14.02	17.07	0.44	24	3	80°	7		1.85 = 60%
17.07	20.12	1.58	33	3	45°	8		
20.12	23.17	2.30	19	3	60°	10		
23.17	26.21	1.81	23	7	45°	9		
26.21	29.26	1.38	34	3	45°	8		
29.26	30.48	0.34	13	2	60°	8		
30.48	33.53	1.46	34	8	45°	8		
33.53	34.14	0	5	0	45°	6	some rubble	
34.14	37.34	1.99	24	6	45°	9		
37.34	38.41	0.73	10	0	52.5°	8		
38.41	41.45	0.61	38	5	60°	7		
41.45	44.50	1.70	31	4	45°	8		
44.50	47.55	1.60	25	7	45°	9		
47.55	50.60	2.57	20	2	45°	10		
50.60	53.65	2.07	21	5	60°	10		
53.65	56.69	2.01	23	2	60°	10		
56.69	59.74	1.04	36	5	60°	8		
59.74	62.79	2.26	24	11	45°	9		
62.79	65.84	1.59	26	1	45°	9		
65.84	68.88	0.68	33	1	45°	7		
68.88	71.93	1.23	17	3	45°	8	some rubble	
71.93	74.83	0.81	34	3	60°	7		
74.83	77.88	0.41	39	5	45°	7		
77.88	81.08	0.51	38	1	45°	7		
81.08	83.82	0.56	28	5	30°	7	some rubble	
83.82	86.87	0.60	32	2	45°	8		
86.87	89.61	0.82	19	4	60°	8		
89.61	90.22	0	6	1	45°	7		
90.22	93.27	2.05	38	9	60°	8		
93.27	96.32	0.31	17	9	60°	8	some rubble	
96.32	99.37	0.38	27	5	45°	7	" "	
99.37	100.28	0	14	1	80°	6	" "	
100.28	101.80		6	1	45°	4	lots "	0.25 = 15%
101.80	103.63		29	4	80°	6		
103.63	105.16		22	3	60°	6	some rubble	
105.16	105.77		5	0	71.58°	5	lots "	
105.77	106.99		10	2	80°	6	" "	
106.99	107.59		9	0	70°	6	some "	
107.59	108.51		6		60°	5	lots "	
108.51	109.12		7		52.5°	4	mostly "	0.25 = 40%
109.12	110.95	0.23	16	2	45°	6	lots "	
110.95	113.69	0	32	4	60°	6	" "	
113.69	117.04	0.91	31	4	60°	7	some "	
117.04	120.09	0.59	37	5	60°	7		

HOLE: RG - 115 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS
120.09	122.53	0.15	42	2	80°	6	some rubble
122.53	123.75	0.15	20	1	60°	7	
123.75	126.80	1.32	28	10	45°	8	
126.80	127.10	0.12	1	2	60°	8	
127.10	129.84	1.27	24	6	60°	9	
129.84	132.89	1.30	31	4	45°	8	
132.89	135.94	1.23	27	3	45°	8	
135.94	138.99	1.40	32	2	45°	9	
138.99	141.73	0.94	27	2	45°	8	
141.73	144.78	0.32	30	2	45°	7	
144.78	147.83	0.82	29	3	60°	8	
147.83	150.87	1.62	25	1	80°	8	
150.87	153.92	1.26	24	5	60°	8	
153.92	157.12	1.04	31	4	45°	8	
157.12	160.33	1.03	32	3	60°	8	
160.33	163.37	1.03	29	4	80°	8	
163.37	166.42	0.69	29	6	45°	7	
166.42	169.47	2.30	20	6	60°	9	
169.47	172.52	1.79	26	7	45°	9	
172.52	175.57	1.79	26	2	80°	9	
175.57	178.61	1.03	28	2	60°	8	
178.61	181.66	2.27	19	3	45°	10	
181.66	184.71	0.13	41	1	60°	7	
184.71	187.76	0.42	29	2	45°	7	
187.76	188.98	0.53	18	2	60°	8	
188.98	190.20	0.38	10	2	60°	8	
190.20	191.72	0.21	14	1	80°	7	
191.72	193.85	0	36	3	60°	6	
193.85	195.38	0.11	25	1	60°	6	

EOH

Recovery

good

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-116			100+07 NW	6+44NE			90°	NQ	75.0 M
PROJECT: 312	CLAIM #: REA	SURVEY COORDS.				DATE STARTED: MAY 19 DATE COMPLETED: MAY 20	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
46.3	90°								
74.9	89°								

HOLE NO RG-116

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 12.2	CASING							CASING
12.2 to 37.9	Qtzite + Argillite	Lt Gry - Black	Mgr - Fgr	-Mgr Qtzite w/ an arg. matrix interbedded w/ arg beds that are fgr -Some arg. quite graphitic + mod conductive -Qtzite has equigranular 1mm qtz grains	Bedding ∥ to Foliation 25M 45°	-Hematite on fract 5.5 - 17.8 -Occas milky wht QV + veinlet	tr-1% dissem py	60% recovery
37.9 to 41.8	Quartzite	Lt Gry	MGr	-Gradational contact w/ arg gradually decreasing -Equigran. Qtz Grains (1mm) in a fgr matrix w/ mafic tuff -Occas 2-3 mm Qtz Grain and black arg? chip	Bedding 38M 45°	-Mafic tuff'd sericite alt'd	1% dissem py 39.8-41.8 5% dissem py	Fault w/ clay gouge 41.6 - 41.8
41.8 to 44.2	"Silver Zone" Qtz Vein	Milky White	Aphan	- Massive milky wht. Qtz vein w/ 5% blebs of sulphides		Silic^{n}	5% sulphides as blebs 2% brown sphal 2% Tet tr cpy	70% recovery

HOLE NO RG-116

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PAGE

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
44.2 – 69.8	Quartzite	Lt Grey	FGr – MGr	-Generally massive rock w/ a weak mafic tuff component in the matrix -Occas fgr unit w/ laminations 69.7 chert fragments (rounded 2cm) appear + occas avg frag 65.8-69.8	Bedding 60.4 45°	- Some silic^{n} by QV's -Seric strong in mafic tuff but decreases down the unit 65.8- 68.0 Strongly silic^{d} zone w/ a lt grn mineral (talc)	Avg 8% py dissem + veinlets 65.8 - 68.0 15% dissem py	Fault zone w/ clay gouge 44.7-44.8 Fault zone w/ clay gouge 50.2-52.8 50% recovery
69.8 to 75.0 E.O.H.	"Muddy Tuff"	Lt Grey	FGr Aphan	-Dominantly a chert w/ 30% avg and 5% mafic tuff -Often a slump bx w/ sub-avg- angular chert frags and rarely py frags	Bedding 71.9 45°	-Mafics seric alt^{d} -20% milky QV's	-Avg contains 15% fgr py + occas. py frag	

HOLE NO RG-116

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5946	40.3	41.8			1.5				1.6	.05						15	58	4					
5947	41.8	43.0			1.2	.039	.08	.02	15.6	.06									0.46	.002			2.70
5948	43.0	44.2			1.2	.140	3.79	.01	63.2	.11									1.84	.003			2.78
5949	44.2	45.7			1.5				3.4	.035						205	230	1500					
5950	65.8	68.0			2.2				10.4	.055						295	420	340					

HOLE NO RG-116

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HOLE: RG-116 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
12.19	14.33	0.12	13	1	?	6	mostly rubble	0.71=35%
14.33	15.24	0.37	7	3	45°	7	some "	0.79=85%
15.24	17.37	0.35	23	6	60°	7	" "	
17.37	20.42	ø	11	ø	—	5	lots "	0.50=15%
20.42	23.47	↓	?	1	?	3	all "	0.15=5%
23.47	25.91	↓	?	1	30°	5	all "	0.28=10%
25.91	27.74	0.17	13	1	60°	7	some "	1.00=55%
27.74	28.35	ø	4	ø	—	6	lots "	0.14=25%
28.35	29.57	0.10	3	1	?	5	" "	0.20=15%
29.57	31.09	ø	?	ø	—	5	all "	0.10=5%
31.09	31.69	↓	6	↓	↓	5	mostly "	0.21=35%
31.69	32.61	↓	11	↓	↓	6		0.44=50%
32.61	33.83	0.14	13	1	45°	7		
33.83	34.44	ø	14	1	10°	6		
34.44	35.05	0.11	8	ø	—	6		
35.05	35.66	ø	7	1	45°	6		0.37=60%
35.66	37.49	0.11	16	ø	—	6	lots rubble	
37.49	38.71	0.10	11	1	45°	7		
38.71	39.93	ø	14	2	80°	6		
39.93	41.76	0.13	3	1	?	5	mostly rubble	0.26=15%
41.76	42.98	0.11	12	1	?	5	lots " / all veins	0.40=35%
42.98	44.81	0.11	14	1	45°	6	some "	0.78=45%
44.81	45.72	ø	9	2	80°	6		0.46=50%
45.72	46.63	ø	15	4	60°	5	lots rubble	0.57=60%
46.63	47.85	0.10	10	1	?	6	some "	0.51=40%
47.85	50.90	0.32	15	5	60°	7	" "	1.34=45%
50.90	52.73	ø	?	1	?	4	all "	0.20=10%
52.73	53.34	↓	4	ø	—	6		0.29=45%
53.34	53.95	↓	8	1	45°	7		
53.95	54.86	↓	13	ø	—	6		
54.86	57.00	1.19	17	2	45°	9		
57.00	59.44	1.60	14	1	90°	10		
59.44	62.48	1.56	19	1	30°	10		
62.48	64.92	0.81	17	ø	—	9		
64.92	68.28	1.03	25	2	45°	7	lots rubble	
68.28	71.63	0.97	22	3	30°	8		
71.63	72.23	0.24	11	2	80°	8		
72.23	73.76	ø	16	3	45°	7		
73.76	74.98	0.40	9	3	45°	7		
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG 117						225°	-55°	NQ	66.1M

PROJECT	CLAIM #	SURVEY COORDS.				DATE STARTED: DATE COMPLETED:	CONTRACTOR: CORE STORAGE:	CASING:
312	Rea 1		100+18.9	6+45.7L	1482.6			Pulled

PURPOSE	RQD LOG COLLAR SURVEY	PULSE EM SURVEY MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
46.3	53°			54.9m	223°	-52°			
66.1	52°								

HOLE NO RG-117

LOGGED BY L. Pirie

ZIPPY PRINT - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 – 13.7	CASING							
13.7 – 14.3	BOULDERS							
14.3 – 20	QUARTZITE	GREY	fg-mg	Homogeneous, granular quartz with sericite matrix and black flecks of argillite.			Trace py.	25% recovery
20 – 22.5	SERICITIC TUFF w QUARTZ	buff	fg	Schistose sericitic material with quartz (chert?) bands. Includes a 10cm bed of pyritic muddy tuff	85°		5% py except for 10cm of 35% py w trace sp in muddy tuff.	20% recovery
22.5 – 32.6	QUARTZITE/ SILTSTONE	grey	fg-mg	Includes a few grey-blue quartz grains in the first few cms. Rare fine argillite laminae	85°	Thin sericite in matrix to qtz grains 29.6 – 32.6 Silica flooding	1-2% diss'd py. 5% py locally increasing to 15%	

HOLE NO RG 117

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
32.6 - 35	SERICITIC SEDIMENTS	Buff + grey	fg	Mudstone and siltstone with a strong sericitic component (poss tuffaceous) Very sharp boundaries between sericitic and non-sericitic. Some quartzite component.	80°	Sericite	5% py both disseminated and in quartz veinlets	25% recovery.
35 - 37.5 (approximate only)	QUARTZ VEIN	white	qpl	White bull quartz with gouge and wallrock fragments. Badly ground.			'blackjack' 2% sp, 2% gn in small patches in qtz.	20% recovery.
37.5 - EOH	MUDDY TUFF	grey	fg-cg	Quite coarse quartzitic debris flow initially becoming finer downhole. Strongly foliated 46.3-46.4 Dark slightly cherty pyritic argillite bed.	80°	Some sericite	5-10% diss'd py 43.1 - 44.0 3sp 3gn 2tet in qtz veinlets in muddy tuff 46.3 - 46.4 25% py.	43.1 - 44.0 best.

HOLE NO RG-117

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				47.5 - 54.5 More heterogenous with argillite beds, quartz veins and gougey zones			Argillite beds generally pyritic	
				54.5 - 66.1 Typical fine pyritic debris flow. More homogenous but still strongly foliated	80°		20-25% fine pyrite throughout.	
66.1				END — OF —	HOLE			

HOLE NO Rt-117

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ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5982	35.0	38.7			3.7	·21	·40	·08	190	·18		(20% recovery)							5.54	·005			2.79
5983	38.7	41.2			2.5	·01	·02	·14	6.0	·10									·18	·003			2.94
5984	41.2	43.1			1.9	·008	·01	·01	2.3	·02									·07	·001			2.98
5985	43.1	44.0			0.9	·156	2.63	1.50	212	·36									6.18	·011			3.04
5986	44.0	45.5			1.5	·011	·01	·05	7.6	·06									·22	·002			2.86

HOLE NO RG 117

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ZIPPY PRINT - BRIDGEPORT, RICHMOND

HOLE: RG-117 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
13.7	14.3	Ø	?	Ø	—	3	all rubble	0.05 = 10%
14.3	17.4	↓	6	Ø	—	6	mostly "	0.22 = 5%
17.4	20.4	↓	10	1	?	5	" "	0.26 = 10%
20.4	23.5	↓	21	3	45°	6		0.62 = 20%
23.5	26.5	↓	8	1	80°	5	lots rubble	0.30 = 10%
26.5	28.3	↓	14	3	60°	5	" "	0.55 = 30%
28.3	29.0	0.12	4	2	10°	5	" "	0.26 = 35%
29.0	29.6	Ø	6	3	45°	6	some "	0.30 = 50%
29.6	31.4	0.11	12	1	?	6	" "	0.61 = 35%
31.4	32.6	Ø	18	3	60°	6	" "	0.66 = 55%
32.6	35.7	↓	19	1	?	6	" "	0.75 = 25%
35.7	38.7	↓	5	1	?	5	" "	0.25 = 10%
38.7	41.8	0.14	23	Ø	—	6	" "	1.34 = 45%
41.8	43.9	0.11	23	1	45°	6		1.25 = 60%
43.9	44.8	0.11	14	1	45°	7		
44.8	46.3	Ø	20	Ø	—	7		
46.3	48.2	0.12	15	2	45°	6	some rubble	0.91 = 50%
48.2	49.7	Ø	21	2	80°	6	" "	0.88 = 60%
49.7	53.9	0.26	27	2	60°	6	" "	1.91 = 45%
53.9	55.4	Ø	17	1	30°	6	" "	0.74 = 50%
55.4	58.5	1.36	26	1	30°	9		
58.5	61.6	2.50	19	3	45°	10		
61.6	63.1	0.30	19	3	60°	8		
63.1	66.1	Ø	15	1	?	6	lots rubble	0.88 = 30%
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

✓ METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-118			97+32	6+85	1618	193°	-80°	NQ	209.1

PROJECT	CLAIM #	SURVEY COORDS				DATE STARTED: DATE COMPLETED:	CONTRACTOR: G+D CORE STORAGE:	CASING: Pulled
312	REA 1							

PURPOSE	RQD LOG COLLAR SURVEY	PULSE EM SURVEY MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
28.04	79°			207	200°	-76			
111.6	79°								
163.3	75°								
203.0	76°								

HOLE NO RG-118

LOGGED BY

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				→ 147.8 Mafic pyros not logged yet				

HOLE NO RG-118

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
147.8 – 148.5	CHERTY ARGILLITE	Black	aph.	Broken and gouged, probably in fault contact with matrix. Black somewhat cherty argillite with rinse quartz	75°			
148.5 – EOH.	MUDDY TUFF	grey	frg	148.5 – 149.1 Cherty beds. @ 149.1 – EOH Homogeneous, competent muddy tuff with vague cherty beds. Local argillitic laminae	75° 6	Zones of silica flooding accompany sulphides	10-15% py except as noted 152.3 – 154.0 4% tet, 3% sp with quartz in silica flooded zones 154.0 – 161.2 1-2 sp 1 tet <1 gn 161.2 – 162.8 4 sp 2 tet 2 gn 162.8 – 169.6 1 sp 1 tet 1 gn in evenly spaced zones	

HOLE NO RG-118

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
							169.6 - 174.0 4sp 3gn 3tet in strong silica flooding. 174.0 - 181.1 1sp 1gn 1tet in regular zones. 181.1 - 182.65 25 py 10sp 5gn 5tet 182.65 - 187.8 1sp 1tet 1gn 187.8 - 191.95 20py 5sp 5gn 4tet 191.95 - 199.0 1% tet 1sp 1gn	
209.1			END OF HOLE					

HOLE NO RG-118

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PAGE

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5990	152.3	154.0			1.7	.39	.41	.39	84.0	.08									2.45	.002			2.86
5991	154.0	156.0			2.0				0.4	.03						86	129	137					
5992	156.0	158.2			2.2	.011	.03	.02	2.5	.05									.07	.001			2.86
5993	158.2	159.7			1.5	.013	.04	.02	2.4	.07									.07	.002			2.92
5994	159.7	161.2			1.5	.047	.11	.10	10.2	.12									.30	.004			2.89
5995	161.2	162.8			1.6	.130	2.40	1.16	29.8	.20									.87	.006			3.16
5996	162.8	163.7			0.9	.009	.12	.38	4.8	.14									.14	.004			3.03
5997	163.7	165.1			1.4	.059	.27	.30	12.5	.18									.36	.005			3.01
5998	165.1	166.6			1.5	.126	.28	.41	23.2	.34									.68	.010			3.05
5999	166.6	168.1			1.5	.063	.81	.35	16.2	.19									.47	.006			2.94
6000	168.1	169.6			1.5	.268	.58	.90	70.2	.22									2.05	.006			3.03
BCD 5151	169.6	171.1			1.5	.011	.51	.62	8.4	.17									.25	.005			2.91
5152	171.1	172.7			1.6	.635	1.08	2.10	192.0	.24									5.60	.007			3.21
5153	172.7	174.0			1.3	.312	2.45	.83	118.0	.22									3.44	.006			3.13
5154	174.0	175.3			1.3	.008	.01	.03	2.4	.10									.07	.003			
5155	175.3	176.6			1.3	.009	.19	.11	7.2	.28									.21	.008			
5156	176.6	178.1			1.5	.026	.18	.14	12.0	.40									.35	.012			
5157	178.1	179.6			1.5	.017	.02	.07	10.0	.21									.29	.006			
5158	179.6	181.1			1.5	.006	.03	.12	2.1	.09									.06	.003			2.98
5159	181.1	182.65			1.55	.052	2.84	1.02	16.8	.08									.49	.002			3.21

HOLE NO RG-118

PAGE

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ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5160	182.65	184.7			2.05	.009	.04	.12	2.0	.17									.06	.005			2.99
5161	184.7	186.2			1.5	.026	.18	.28	6.0	.20									.18	.006			
5162	186.2	187.8			1.6	.071	.39	.63	18.2	.38									.53	.011			
5163	187.8	189.3			1.5	.073	.30	.20	24.0 ~~22.0~~	.12									.70	.004			3.21
5164	189.3	190.55			1.25	.061	2.68	1.39	32.0 ~~[illegible]~~	.21									.93	.006			3.25
5165	190.55	191.95			1.40	.090	3.35	.70	24.2 ~~30.1~~	.35									.71	.010			3.25
5166	191.95	192.95			1.0	.078	.50	.25	30.1	.34									.88	.010			3.07
~~[illegible]~~	171.1	173.0			2.9	0.49	1.69	1.53	158.8	0.23									4.63	.007			3.17

HOLE NO RG-118

PAGE

ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-118 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
3.05	4.72	0.52	14	4	60°	9		
4.72	7.77	0.76	44	5	60°	6		
7.77	10.97	0.68	37	3	80°	8		
10.97	14.02	0.65	28	3	80°	7	some rubble	2.01 = 65%
14.02	17.07	0.72	33	4	60°	8		
17.07	20.12	0.11	43	5	45°	6		
20.12	21.64	0.23	17	3	45°	6	some rubble	
21.64	24.54	1.25	24	5	60°	8		
24.54	26.21	0.47	18	3	45°	7		
26.21	28.04	0.77	19	2	45°	7	some rubble	
28.04	29.26	0.37	13	3	45°	6		
29.26	30.17	0.21	11	1	45°	8		
30.17	32.30	0.66	25	3	80°	7		
32.30	34.75	0.31	31	3	45°	6		
34.75	37.79	2.29	23	2	45°	10		
37.79	41.00	1.70	31	3	60°	8		
41.00	44.04	1.58	26	8	60°	9		
44.04	47.09	0.73	34	12	45°	8		
47.09	50.29	1.45	32	6	60°	7		
50.29	53.34	2.03	24	6	60°	9		
53.34	56.39	2.18	23	2	45°	10		
56.39	59.44	2.27	21	2	80°	10		
59.44	62.03	0.55	22	5	80°	7	lots rubble	
62.03	64.01	0.12	22	2	60°	7	some "	
64.01	65.84	0.35	18	1	90°	7		
65.84	68.88	0.50	31	9	80°	8		
68.88	71.32	0	30	8	80°	6	some rubble	
71.32	73.61	0	22	3	45°	6	lots "	
73.61	75.13	0.33	18	1	30°	6		
75.13	78.03	0.73	29	6	60°	8		
78.03	81.08	0.98	28	5	60°	8		
81.08	84.12	0.56	36	5	60°	7		
84.12	85.95	0	15	3	45°	6	lots rubble	
85.95	87.17	0.12	10	2	60°	7		0.57 = 45%
87.17	89.92	0	31	3	80°	6	some rubble	
89.92	92.96	0	20	0	50.72	6	lots "	any # will do!
92.96	94.79	0.12	29	6	45°	6	some "	
94.79	96.62	0	19	3	45°	6	lots rubble	
96.62	99.36	0.60	37	5	60°	6	some "	
99.36	102.41	0.27	43	8	60°	7		
102.41	105.46	0.40	35	11	60°	7		
105.46	108.51	0.45	34	2	30°	8		
108.51	111.56	1.30	28	4	30°	9		
111.56	114.60	1.39	23	3	30°	10		
114.60	117.35	0.50	25	4	45°	7	lots rubble	
117.35	118.87	0.12	12	2	60°	6	" "	0.99 = 65%
118.87	120.70	0.62	20	7	60°	8		
120.70	122.99	0.21	26	5	60°	7		
122.99	126.19	1.65	27	2	60°	8		
126.19	128.93	0.89	24	9	60°	8		

HOLE: RG-118 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS
128.93	131.98	2.34	14	10	60°	11	Recovery
131.98		2.56	18	7	60°	10	
135.18		2.55	15	9	60°	10	
138.23		2.08	21	5	60°	9	
141.27		2.55	15	4	60°	10	
144.41		0.53	30	2	45°	7	
147.52		2.07	29	4	60°	8	some rubble
150.6		2.16	19	1	80°	9	
153.8		2.01	21	0	—	9	
157.0		1.70	24	5	60°	8	
160.2		0.97	23	3	60°	7	
163.2		0.50	27	5	60°	7	
166.4		0.99	29	6	60°	7	
169.5		1.86	21	7	80°	9	
172.5	175.6	1.80	18	5	60°	9	
175.6		1.00	28	4	45°	8	
178.6		2.69	14	4	60°	10	
181.7		2.59	17	5	45°	10	
184.7		1.82	16	4	30°	9	
187.8		1.71	14	4	60°	10	
190.8		1.37	13	3	45°	10	
193.9		2.60	14	3	45°	11	
196.9		1.36	14	3	60°	11	
199.9		2.50	14	2	45°	10	
203.0		0.69	27	1	60°	9	
206.0	209.1	0.76	26	3	45°	9	
EOH							

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-119						225°	-76°	NQ	279.5M
PROJECT	CLAIM #	SURVEY COORDS				DATE STARTED: MAY 22/87	CONTRACTOR: G+D		
312	REA 1		96+70.2 NW	7+63.3 NE	1675.7	DATE COMPLETED: MAY 26/87	CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
47.9	76°			214.0	220°	74°			
89.6	73°			278.0	217°	72°			
185.0	70°								
252.1	72°								
279.5	72°								

HOLE NO RG-119

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.1	CASING							CASING
3.1 to 233.1	Mafic Pyroclastics	MGrn	FGrn	- A fgr matrix w/ lapilli - Lapilli have remnant mafic phenos and qtz filled vesicles and often have qtz filled amygdules - Also common are beds of leucox. and in lapilli - Lapilli rounded + flattened to sub-ang.	Bedding 7M 70° 59M 70° 89M 65° 133M 70° 167M 65°	Matrix strongly chl. alt^{d} Lapilli sericite alt^{d} ±Carb - 5% Qtz veinlets 22.5 - 29.0 silic^{d} + seric. alt^{d} zone w/ 10% py 38.5 - 40.9 large QV w/ w/ chl + talc alt^{n} + a fgr black mineral 20% (Sulphide?) 89.4 - 93.8 Qtz + seric alt^{n} w/ 5-10% py 105.1 - 107.3 Qtz + Seric alt^{n} w/ 5% py	Background tr dissem py 22.5 - 29.0 10% py dissem 89.4 - 93.8 5-10% py dissem 105.1 - 107.3 5% py dissem 127.5 Qtz veinlet w/ 2% ga, 1% Cpy 160.5 Sam Qtz Vein w/ 5% py, 1% Cpy dissem	27.5 - 28.0 Intense fault w/ sand gouge 89.6 - 90.0 Intense fault w/ clay gouge 117.9 - 118.4 Intense fault w/ clay gouge 147.5 - 147.8 Intense fault w/ sand + clay gouge 152.0 - 152.7 + 154.7 - 156.5 Shear Zones w/ clay gouge, qtz chips + broken rock 161.5 - 161.8 Fault w/ clay gouge + qtz chips

HOLE NO RG-119

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd					Bedding 215M 80°	180.0 – 186.5 a zone w/ strong qtz-seric. alt^{n} 197.0 – 226.7 sericite alt^{n} steadily increases down the hole 226.7 – 233.1 sericite alt^{n} becomes intense	180.0 – 186.5 10% py Qtz stringers carry dissem Gal, Cpy, Sp, Tet dissem Avg. over width 1% gal .5% cpy tr sp (lt), tet 197.0 – 226.7 sericite alt^{n} steadily	Fault zone w/ broken rock 176.3 – 177.0 179.8 – 180.0 Fault w/ clay gouge + broken rock
233.1 to 233.6	Mafic Tuff w/ chert	Lt Grn	FGr – Aphan	Mafic tuff as a matrix w/ well rounded frags of chert 1-2cm	Bedding 80° 233.4	Mafic tuff intensely seric. alt^{d}	5% dissem py	Strong fault w/ clay + rock chips 233.1 – 233.3
233.6 to 244.4	Chert w/ minor Argillite	Lt Gry	Aphan – FGr	- A massive lt gry chert w/ occas. ang. argillite fragment - 234.4 – 235.1 bed of finely laminated argillite	Bedding 235M 80°	- Some silic^{n} - Silica Gel hosts minl^{zn}	233.6 to 238.6 Avg 10% dissem + laminated syng py except 234.2 – 234.6 which is a silica vein w/ 50% py coarse cubes 5% lt sp (dissem) 1% ga dissem	Almost a "Muddy Tuff" in zones

HOLE NO RG-119

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd							238.6 - 244.4 25% silic^d zones 3-40cm w/ 20-30% csse py dissem 5-8% lt sp dissem 5% ga dissem 1% Tet dissem	
244.4 to 255.5	Argillite	Black	FGr	Generally massive argillite w/ occas bed of mudstone + chert	Bedding 252.1M 60°	244.4 - 251.5 5% Silic^n by Qtz veinlets 251.5 - 255.5 50% Silic^n w/ min/2^n + occas ang. /avg frag	244.4-251.5 Qtz veinlets have 10% py dissem tr sp, tet dissem + ga 251.5-255.5 50% silic^n w/30% py blebs 10% lt sp dissem 2% ga dissem 1% tet dissem	N.B. Argillite weakly conductive (graphite)
255.5 to 266.0	Chert w/ Argillite	Lt Gry	Aphan - FGr	A lt gry chert matrix w/ ang .5-2.0 cm frags of chert + avg -10% laminated + dissem syng py	Bedding 264.0M 80°	255.5-261.2 25% silic^d zones	255.5-261.2 25% Silic^d zones w/ 15% dissem lt sp 5% ga dissem 1-2% tet dissem	Fault zone w/ clay gouge 262.2 - 262.8

HOLE NO RG-119

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
266.0 to 279.5 E.D.H.	"Muddy Tuff"	MGry	FGr – Aphan	- A fgr. avg matrix w/ 15% fgr py. - Mixed 50% avg, 50% chert w/ chert beds, rounded .5-2.0 cm frags of chert and vavely avg	Bedding 276.0 60°	5% silic^n by QV's	269.7-272.8 15% Silic^n zone 2-15cm w/ 30% py blebs 15% lt sp blebs 1% tet dissem 10% gal blebs	274.1 10cm fault zone w/ broken rock

HOLE NO RG-119

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	~~PPM~~ opt Ag	~~PPB~~ opt Au			SG
BCD 5451	38.5	39.5			1.0				1.0	.005						26	139	25					
5452	39.5	40.9			1.4				0.7	.005						24	117	16					
5453	180.0	181.5			1.5				1.7	.020						63	590	355					
5454	181.5	183.0			1.5				1.7	.020						152	270	165					
5455	183.0	184.5			1.5				1.2	.015						56	162	52					
5456	184.5	186.5			2.0																		
5457	237.1	238.6			1.5				6.2	.005						175	815	540					
5458	238.6	240.1			1.5	.108	1.52	1.05	52.2	.18									1.52	.005			3.01
5459	240.1	241.6			1.5	.068	1.06	.93	28.2	.07									0.82	.002			2.91
5460	241.6	243.1			1.5	.023	.14	.21	8.0	.04									0.23	.001			2.76
5461	243.1	244.4			1.3	.170	.80	.42	33.0	.17									0.96	.005			NA
5462	244.4	245.9			1.5				37.5	0.11						1660	11000	4100					
5463	245.9	247.4			1.5				2.8	.05						69	2600	750					
5464	247.4	248.9			1.5				1.6	.01						37	810	220					
5465	248.9	250.4			1.5				2.7	.035						56	1600	410					
5466	250.4	251.5			1.1				2.1	.045						54	395	415					
5467	251.5	253.0			1.5	.044	1.08	.24	10.4	0.20									0.3	.006			2.87
5468	253.0	254.5			1.5	.240	1.10	.85	48.0	0.22									1.4	.008			2.92

HOLE NO RG-119

ZIPPY PRINT — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	~~PPM~~ opt Ag	~~PPB~~ opt Au			SG
BCD 5469	254.5	255.5			1.0	.147	2.36	.76	30	.29									.88	.008			3.18
5470	255.5	257.0			1.5	.050	1.90	.67	18	.20									.53	.006			2.89
5471	257.0	258.5			1.5	.020	.04	.06	4.2	.21									.12	.006			2.84
5472	258.5	260.0			1.5	.016	.08	.04	2.4	.17									.07	.005			2.76
5473	260.0	261.2			1.2	.042	.80	.54	16.3	.18									.48	.005			2.91
5474	261.2	262.7			1.5				1.9	0.02						67	59	81					
5475	269.7	272.8			3.1	.046	.56	.44	24.1	.20									.70	.006			2.87

HOLE NO RG-119

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DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-120							90°	NQ	169.8

PROJECT	CLAIM #	SURVEY COORDS	DATE STARTED / DATE COMPLETED	CONTRACTOR / CORE STORAGE	CASING
312	REA 1		MAY 24/87 / MAY 26/87	G+D	PULLED

PURPOSE	RQD LOG / COLLAR SURVEY	PULSE EM SURVEY / MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
70.1	90°								
121.0	88°								
166.6	86°								

HOLE NO RG-120

LOGGED BY G. Evans

ZIPPY PRINT — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.1	CASING							CASING
3.1 to 45.6	Mafic Pyroclastics	MGrn	FGr	-Mafic Pyroclastic w/ lapilli in a chl. fgr matrix -Lapilli flattened + rounded w/ chl. alt^{d} remnant mafic phenos and occas vesicles	Bedding 29M 45°	-Matrix chl. alt^{d} -Lapilli are serie$^{\pm}$ carb alt^{d} -5% Qtz$^{\pm}$ Carb veins + veinlets	3.1 to 7.6 10% dissem py 7.6 to 45.6 tr - 1% py dissem w/ occas py veinlet	9.45 - 10.6 Weak fault w/ broken rock
45.6 to 59.1	Mafic tuff w/ chert	Lt Grn	FGr - Aphan	-Finely laminated mafic tuff w/ chert beds + frags -52.6-54.4 Mudstone replaces mafic tuff as the matrix -some soft sed def^{m}	Bedding 53M 45°	-Mafic tuff is strongly seric alt^{d} -Some silic^{n}	2-3% dissem py	45.6 - 47.8 fault w/ clay gouge + broken rock 56.9 - 57.6 Mod. fault w/ broken rock
59.1 to 68.9	"Muddy Tuff"	MGry	FGr	-Laminated avg. matrix w/ chert beds + frags -gradational contacts w/ some mafic tuff bands -frags sub-round to subang. as a slump bx	Bedding 64.5 50°	Mafic tuff seric alt^{d} -Some silic^{n}	5-8% py	

HOLE NO RG-120

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
68.9 to 80.3	Mafic Tuff w/ Chert	Lt Grn	FGr Aphan	-Laminated mafic tuff w/ chert beds + ang frags -Beds are often contorted by soft sed. def^{m} -Occas. arg. fragment	Bedding 76M 50°	-Mafic tuff strongly seric. alt^{d} -5% QV's	5% py dissem 68.9 - 76.8 increases to 20% dissem py 76.8 - 80.3	
80.3 to 112.5	Muddy Tuff	MGry	FGr	-Transitional contact w/ mafic tuff in an arg. matrix -many units from chert to arg w/ slump bx zones w/ frags of py, chert and arg as well a soft sed. def^{m} w/ slumping + loading -Some pyrite beds w/ 80% py 84.0 - 84.3 84.8 - 85.0	Bedding 90M 45° 102 M 40°	-Mafic tuff seric alt^{d} -2-3% Qtz Veinlets	Avg. 25% dissem fgr syng. py in matrix	Strong fault zone w/ clay gouge 93.0 - 93.8

HOLE NO RG-120

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
112.5 to 117.2	Quartzite to FGr Conglomerate	Lt Gry	MGr – Very Coarse	Quartzite but much coarser grained w/ zones of conglomerate w/ chert pebbles up to 10mm in dia pebbles of gry + wht chert in a silic groundmass N.B. grading suggests tops up-hole (reverse grading?)	Bedding 112.4M 45°	Wk. silic^{n}	115.8 – 116.4 Milky white QV w/ tr - 1% dissem tet	
117.2 to 166.5	"Muddy Tuff"	MGry	FGr	- An arg-pyritic matrix w/ chert beds occas mafic tuff laminations and slump bx's w/ frags chert, arg, and pyrite - Some massive pyrite beds w/ 80% Syngenetic pyrite 132.6 - 132.7 149.4 - 149.5	Bedding 127.6 45° 148.5 45° 160.6 50°	Some silic^{n} by QV's - Mafic tuff strongly seric alt^{d}	- Avg 25% syng py in matrix - Occas 80% py bed	Fault zones w/ clay gouge 129.8 - 130.1 132.2 - 132.3 155.1 - 155.4 163.3 - 163.4 Strong fault w/ clay gouge + Qtz chips 164.3 - 165.3
166.5 to 169.8	Chert	Lt Gry	Aphan	Massive lt gry chert	168.5 10°	Some silic^{n}	20% pyrite along bedding	N.B. fault zone has tipped units

HOLE NO RG-170

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au			SG
BCD 5197	114.3	115.8			1.5				3.6	.04						108	630	169	[illegible]				
5198	115.8	116.4			0.6	.008	.01	.02	1.0	.02													2.75
5199	116.4	117.9			1.5				3.3	.04						116	144	118	[illegible]				

HOLE NO RG-120

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

✓ METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-121			98+55	6+95		225°	-85°	NQ	190.2M

PROJECT	CLAIM #	SURVEY COORDS.	DATE STARTED / DATE COMPLETED	CONTRACTOR / CORE STORAGE	CASING
312	REA 1		27/5/87 – 29/5/87	G+D	Pulled.

PURPOSE	RQD LOG / COLLAR SURVEY	PULSE EM SURVEY / MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
51	84°			189	200T	-78°			
92.7	81°								
144.8	79°								
187.1	78°								

HOLE NO RG-121

LOGGED BY G. Evans

ZIPPY PRINT - — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 2.4	CASING							CASING
2.4 to 45.7	Mafic Pyroclastics	MGrn	FGr	-Lapilli in a fgr chl. alt^{d} matrix -Lapilli seric alt^{d} and rounded w/ remnant mafic phenos + vesicles (qtz filled) -Some lapilli have remnant F.P.'s ie 20.2	Bedding 50°	-Matrix chl. alt^{d} -Lapilli serict carb alt^{d} 2.4-4.9 more intensely seric. alt^{d} w/ QV's 25% Hematite on fract 4.9-36.3 8% Qtz-Carb veinlets 36.3-45.7 seric. alt^{n} increasing w/ hem. on fract +20% Qtz-Carb Veins	2.4-4.9 10% dissem py 36.0 Som Qtz-Carb Vein w/ 20% Cpy 8% Galena 5% lt sphal 4.9-36.3 tr py 36.3-45.7 up to 5% dissem py	
45.7 to 49.5	Qtz Vein w/ min$^{l^{zn}}$	Milky White	Aphan.	Mult-episodic vein w/ x-cutting QV's + gash veins + vein bx's		Seric wisps	5-8% py as veinlets 2-3% cpy as blebs 1% galena tr tet	

HOLE NO RG-121

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
49.5 to 67.5	Mafic Pyroclastic	MGrn	FGr	+ lapilli in a fgr matrix - lapilli have remnant chl. alt^{d} phenos + some qtz filled vesicles - monolithic	Bedding 50° 60M	- matrix a chl. + seric alt^{d} fgr rock - 10% milky white QV's - lapilli seric + carb alt^{d} N.B. alt^{n} stronger than upper mafic zone	49.5 - 51.0 10% dissem py 51.0 - 67.5 5% dissem py QV's have tr tet 56.7 Sam QV w/ 15% py 10% gal 2% cpy tr tet	
67.5 to 91.3	Mafic Tuff w/ Chert	Lt Grn	FGr Aphan	Finely laminated mafic tuff w/ chert beds and round fragments 1-4cm - Some soft sed def^{m} - 75.6 - 76.1 argillite + chert band (mafic tuff not a sed. alt^{n})	Bedding ll to fol^{n} 60° @ 69M 65° @ 90M	- mafics seric + chl. alt^{d} - 2% qtz - carb. veining - Milky wht. QV's 76.1 - 76.6 81.2 - 83.3	5% dissem py 81.2 - 83.3 Milky White QV w/ vugs and tr - 1% Tet	Mod faults w/ clay gouge @70.0 - 70.1 @74.1 - 74.2 Strong fault zone w/ mech. bx and clay gouge 75.2 - 81.2
91.3 to 94.2	Chert + Chert Bx.	Lt Gry	Aphan	A pure wht - lt gry chert w/ bx zones	Bedding 55° @ 92M		1-2% py	N.B. maybe the Rea chert?

HOLE NO RG-121

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
94.2 to 98.2	Mafic Tuff w/ Chert + Arg	Lt Grn	FGr	- Well laminated mafic tuff w/ beds + frags of chert - frags rounded + flattened 1-3cm - 96.5 - 98.0 matrix is replaced as arg. rather than mafic tuff	Bedding ‖ Fol^{n} 60° @ 97M		Avg 2% dissem. py.	Fault w/ clay gouge 97.5 - 98.2
98.2 to 111.2	Quartzite	Lt Gry	MGr - Crsegr.	- Generally a MGr-Crse gr. quartzite w/ rounde qtz grains - Occas. fgr arg bands w/ slumping indicating tops downhole 105.1 - 106.0 - Also, massive fgr, syng py beds 80% py 106.8 - 107.3 107.5 - 108.0 - Qtz grains up to 6mm pebbles w/ arg chips	Bedding 108M 60°		10% dissem py in qtzite 40-80% py in fgr units 101.3 5cm silic. band w/ 20% lt sphal 10% tet	Strong fault w/ broken rock + clay gouge 102.1 - 104.9

HOLE NO RG-121

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
111.2 to 137.2	Chert w/ arg	Lt Grey – Black	Aphan – FGr	Chert interbedded w/ 20-30% arg. beds Massive chert w/ -Occas 10cm bed of 80% py syngenetic w/ arg beds	Bedding 65° @ 126M @ 137M 60°	5% QVJs + minor silic^{n}	Avg 10-15% fgr syng. veinlets 125.0 - 126.5 silic^{d} zone w/ 1% sphal, tr tet 135.0 - 135.2 1% sphal	Fault w/ gouge + clay 135.4 - 135.5
137.2 to 179.2	"Muddy Tuff"	MGry	FGr	An arg. matrix w/ 30% fgr py w/ frags of chert, arg and pyrite -Occas. bed of qtzite + chert -a slump bx	Bedding 144M 60° 170M 45°	3% QVJs w/ minor silic^{n}	30% dissem py in arg Silver Zone 164.3 - 168.1 Silic^{d} zones carry an average over zone 2-3% sphal as blebs 1-2% Tet " 1% Gal 154.1 10cm silic^{d} zone w/ 20% py 10% sphal 164.8 - 165.8 8% Sphal 5% Tet 3% Galena	strong faults 172.5 - 173.1 173.8 - 174.4 w/ clay gouge + broken rock 173.9 - 174.5 w/ clay gouge + qv frags

HOLE NO RG-121

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
179.2 to 184.9	Mafic Tuff w/ Chert	Lt Grn	FGr – Aphan	Well laminated mafic tuff + chert	Bedding @ 184M 50°	Mafic Tuff strongly seric. alt^d 10% milky QV's	1-2% py	Strong fault w/ clay gouge + broken rock 180.0 - 181.6
184.9 to 187.2	Argillite w/ Chert	MGry	FGr – Aphan	Well laminated chert and arg. w/ occas chert frag		Some silic^n	10% py as dissem and veinlets	
187.2 to 190.2 E.O.H.	Mafic Tuff w/ Chert	Lt Grn	FGr – Aphan	Well laminated alt^d mafic tuff w/ chert beds Occas chert frag (rounded)	Bedding 45° 190M	Mafic Tuff seric alt^d 10% milky white QV's	5% dissem py	

HOLE NO RG-121

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ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5167	44.2	45.7			1.5				0.2	.025						21	150	30					
5168	45.7	47.2			1.5	.018	.08	.12	12.3	.25									.36	.007			3.01
5169	47.2	48.7			1.5	.063	.16	.10	4.4	.02									.13	.001			2.92
5170	48.7	49.5			.8	.198	.22	.19	83.0	.01									2.42	.001			2.96
5171	49.5	51.0			1.5				0.3	.040						50	177	255					
5172	81.2	82.2			1.0	.020	.01	.01	0.3	.01									.01	.001			2.70
5173	82.2	83.3			1.1	.009	.01	.01	0.2	.01									.01	.001			2.73
5174	125.0	126.5			1.5				2.6	.13						56	2000	2200					
5175	162.8	164.3			1.5				1.1	.020						60	680	240					
5176	164.3	165.8			1.5	.56	1.08	.82	120	.21									3.50	.006			2.96
5177	165.8	167.3			1.5	.034	.32	.23	8.4	.01									.25	.001			2.92
5178	167.3	168.9			1.5				7.2	.035						265	1500	545					

HOLE NO RG-121

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-121 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
2.4	4.9	0.44	20	5	45°	6	some rubble	1.71 = 70%
4.9	6.4	0.11	15	2	30°	6	" "	1.07 = 70%
6.4	7.9	0.78	19	7	60°	8		
7.9	11.0	0.98	29	5	45°	8		
11.0	13.4	0.52	33	11	45°	7		
13.4	16.3	0.51	32	8	30°	7		
16.3	19.4	1.37	33	5	60°	8		
19.4	22.6	1.50	26	8	45°	8	some rubble	
22.6	25.6	0.69	37	9	45°	8		
25.6	28.7	0.81	34	3	60°	7		
28.7	31.7	1.62	30	5	60°	8		
31.7	34.7	0.77	28	9	60°	8		
34.7	37.8	0.22	30	8	60°	6	lots rubble	
37.8	40.8	1.32	29	3	45°	7	some "	
40.8	43.9	0.77	31	4	45°	7		
43.9	46.9	2.02	21	4	45°	8		
46.9	47.5	0.24	5	1	60°	8		
47.5	50.6	1.84	21	4	45°	8		
50.6	53.2	0	32	3	30°	7		
53.2	56.2	1.98	17	4	45°	9		
56.2	59.3	2.14	23	3	45°	9		
59.3	62.5	2.72	19	4	30°	10		
62.5	65.5	1.51	25	2	45°	9		
65.5	68.3	1.06	27	1	30°	8		
68.3	71.5	0.42	32	2	30°	8		
71.5	74.7	0.83	29	0	37.5°	7		
74.7	75.9	0	13	2	45°	6		
75.9	77.1	↓	6	1	60°	6	some rubble	0.51 = 40%
77.1	78.0		8	2	60°	6	" "	0.67 = 70%
78.0	81.1		18	1	80°	6	lots "	1.39 = 65%
81.1	84.12	1.17	26	2	60°	8		
84.12	86.26	0.50	17	3	45°	7		
86.26	89.96	1.54	24	1	10°	9		
89.96	92.66	0.85	25	0	35°	7		
92.66	95.71	1.26	32	1	60°	8		
95.71	98.76	0	47	4	60°	6	some rubble	
98.76	101.80	1.11	21	6	80°	8		
101.80	103.63	0	18	2	60°	6	lots rubble	
103.63	105.46	0.11	22	0	60°	6	" "	
105.46	108.51	1.28	24	0	45°	8		
108.51	111.56	2.06	16	0	30°	9		
111.56	114.60	1.23	29	4	30°	9		
114.60	117.65	0.69	33	3	60°	8		
117.65	120.40	0.43	33	4	80°	7		
120.40	123.44	1.46	25	1	60°	9		
123.44	126.49	1.44	22	3	60°	8		
126.49	129.54	0.40	30	1	60°	8		
129.54	132.59	0.97	32	0	52.5°	7		
132.59	135.64	0.52	33	1	45°	7	some rubble	
135.64	138.68	0.97	30	3	45°	7		

HOLE: RG-121 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS
138.68	141.73	1.46	23	4	45°	8	Recovery
141.73	144.78	1.68	19	1	60°	7	some rubble
144.78	147.83	0.89	25	1	45°	7	
147.83	149.66	0.34	14	4	45°	7	
149.66	151.18	0.39	13	3	45°	7	
151.18	153.62	0.59	19	2	45°	7	some rubble
153.62	156.67	0.80	22	2	60°	6	
156.67	159.41	0.44	24	4	60°	6	
159.41	162.46	0.67	21	5	45°	7	
162.46	163.37	0.68	4	2	30°	7	
163.37	166.42	1.25	24	5	45°	7	
166.42	169.47	0.56	22	3	45°	8	
169.47	172.52	1.50	17	4	45°	8	
172.52	175.56	0.53	12	3	45°	7	
175.56	178.61	1.50	22	2	30°	8	
178.61	181.66	0.12	16	2	45°	7	
181.66	184.71	0.65	25	3	60°	7	
184.71	187.15	0.24	25	6	60°	7	
187.15	190.19	1.07	29	4	45°	8	
EOH							

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-122						225°	-57°	NQ	268.8 M
PROJECT 312	CLAIM # REA 1	SURVEY COORDS.	96+70.2 NW	7+63.3		DATE STARTED: MAY 27/87 DATE COMPLETED: MAY 31/87	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
53.6	58°			Tropari broken					
105.8	58°								
136.2	58°								
178.9	59°								
212.4	58°								
268.8	59°								

HOLE NO RG-122

LOGGED BY G. Evans

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.1	CASING							CASING
3.1 to 221.7	Mafic Pyroclastics	MGrn	FGr	FGr matrix w/ rounded and flattened lapilli w/ qtz filled vesicles and remnant mafic p's -10% leucox. beds and leucox. in lapilli	Bedding 10M 80° 49.5 70° 65.0 80° 96.0 85° 122.0 85° 159.0 80°	-Matrix chl. alt^{d} -Lapilli seric ± carb alt^{n} -Hematite on fract 3.1 - 5.5 -Occas Qtz-Carb veinlet 1% -26.5 - 28.6 - Large milky QV w/ carb + 5% py + at 32.5 - 33.7 -Carb Alt^{d} Zone 26.5 - 47.8 -52.1 - 54.0 silic^{d} zone w/ 5% py -Milky QV's 1-2cm often contain 5% py	tr dissem py Avg 26.5 - 47.8 5% py in carb alt^{d} zone 42.8 - 44.3 Qtz Carb vein w/ 5% py, tr tet 59.8 - 62.0 silic^{d} zone w/ 1% lt sp 1% gal 10% py dissem 97.8 5cm QV w/ 5% sp, 5% Ga 82.5 - 112.2 5% dissem py	Mod fault w/ broken rock 27.4 - 28.0 +C 33.7 - 34.0 Wk fault w/ broken rock 77.3 - 77.5 Weak fault w/ broken rock 141.6 - 142.0

HOLE NO RG-127

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd				194.0 - 211.5 A mafic tuff rather than mafic pyro. -finely laminated 211.5 - 221.7 Mafic pyroclastic (as before)	18SM 80°	186.5 - 221.7 Sericite alt^{n} increases dramatically as well 30% Qtz Carb veins	186.0 - 203.0 Py dissem 10% 185.6 - 188.6 QV's avg. tr sp tr ga dissem tr tet	- 162.7 - 162.8 Intense fault w/ clay gouge - 169.8 - 170.2 Intense fault w/ clay gouge - 180.2 - 180.5 Mod. fault w/ broken rock - 191.2 - 194.5 Intense shear zone w/ broken rock clay + sand - 197.4 - 200.0 Intense shear zone w/ broken rock, clay + sand
221.7 to 224.7	Mafic Tuff w/ Chert	Lt Grn	FGr Aphan	Finely laminated mafic tuff w/ chert frags -frags 1-3 cm rounded + flattened	22M 80°	Mafic tuff strongly sericite alt^{d} 30% Qtz ± Carb veinlets + flooding	Avg 5% dissem py 222.6 - 222.7 w/ 10% sp blebs 5% ga dissem	N.B. maybe just a highly alt^{d} mafic pyroclastic

HOLE NO RG-122

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
224.7 to 236.4	"Muddy Tuff"	Lt Gry	FGr	Finely laminated but lots of soft sed. def^{n} + slump bx 30% avg, 5% mafic tuff, 20% chert, 40% siltstone twackes	227.3 75°	-Some qtz-carb veinlets -Mafic tuff strongly seric alt^{n}	5% dissem py	
236.4 to 239.4	Massive Sulphides	Metallic Brn	FGr - MGr	Chert + Arg Matrix w/ 80% sulphides -A well laminated matrix w/ dissem sulph + larg ang frags 1-4cm - slumping of syng sulph?	Bedding 70°	Some silic^{n}	-60% py as frags + fgr laminations -5-7% Cpy as blebs -3-4% Galena dissem -2-3% lt sphal lam -5% Tet dissem	238.6 – 241.1 Intense fault w/ clay + seric. gouge
239.4 to 243.7	Qtz vein w/ Sulph	Lt Gry	FGr	- Host Qtzite? A mottled appearance w/ x-cutting vuggy pink veinlets (barite)			239.4 - 242.1 10-15% dissem + blebs tet 3-4% dissem cpy 10% dissem py 1-2% lt sp. 242.1 – 243.7 5% dissem tet 5% cpy blebs 5-9% py 2% sp	Strong fault w/ clay + sericite gouge 242.1 - 242.3
243.7 to 246.6	Massive Sulphides	Metallic Brn		A Chert Bx? matrix w/ dissem - laminated sulphides Avg. 60%		-some silic^{n} + clay alt^{n}	40-50% laminated fgr py 5-8 sphal (lt) blebs + dissem 2-3% cpy dissem + bleb 2% tet dissem	243.7 – 247.9 Strong Shear zone w/ clay + seric gouge + occas block of solid rock

HOLE NO RG-122

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
246.6 to 264.3	"Muddy Tuff"	Lt Gry	FGr - Aphan	- A cherty matrix w/ 20% fgr laminated syng. py - Occas ang. frag of chert targ	Bedding 248M 70° 263.5M 75°	- Some silic^{n} by silica gel and Milky QV's - QV's @ 258.7 - 259.3 259.7 - 260.9 263.0 - 263.5	246.6 - 252.8 Approx. 5% zones w/ silica gel carrying 10% dissem lt sp. 3-4% dissem tet 1% galena dissem 252.8 - 261.6 20% dissem py ~~tr~~ silic^{d} zones w/ tr sp tr tet 261.6 - 263.0 8% silic^{d} zones w/ 10% sp dissem (t) 5% tet dissem (30% py overall) 263.0 - 263.5 Milky QV w/ 10% py veinlets 1% tet dissem 1% ga dissem	Strong faults w/ clay gouge 248.9 - 249.7 259.5 - 259.7

HOLE NO RG-127

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
264.3 to 268.8 E.O.H.	Argillite + Wackes	MGry	FGr - MGr	Well laminated argillite w/ interbedded massive wackes	Bedding 264.5M 70° 268.4M 70°	Some silicr	5% py in the arg.	Strong faults w/ clay gouge 264.0 - 264.5 265.7 - 265.9

HOLE NO RG-127

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ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5401	42.8	44.3			1.5				1.1	.005						27	80	119					
5402	59.8	60.9			1.1				1.6	.05						47	84	152					
5403	60.9	62.0			1.1				2.5	.02						45	3200	1820					
5404	185.6	187.1			1.5				4.4	.065						46	700	420					
5405	187.1	188.6			1.5				3.3	.050						24	260	780					
5406	234.9	236.4			1.5				1.8	.005						134	143	30					
5407	236.4	237.9			1.5	2.91	3.96	3.91	2940	4.59									85.75	.134			3.68
5408	237.9	239.4			1.5	1.87	3.53	1.50	2200	4.03									64.17	.118			3.27
5409	239.4	240.9			1.5	.04	.04	.02	36.4	0.79									1.06	.023			2.76
5410	240.9	242.4			1.5	1.10	.35	.08	1090	2.60									31.79	.076			2.86
5411	242.4	243.7			1.3	.132	.36	.09	32.0	0.06									0.93	.002			2.98
5412	243.7	245.2			1.5	2.25	3.64	.60	561	1.16									16.36	.034			2.89
5413	245.2	246.6			1.4	.273	4.14	2.72	292	0.62									8.52	.018			2.92
48.67 5414	246.6	248.1			1.5	.181	1.92	1.24	146	0.50									4.26	.015			2.84
5415	248.1	249.6			1.5	.133	.82	.51	77.8	0.39									2.27	.011			2.86
5416	249.6	251.1			1.5	.052	.36	.08	10.2	.04									0.30	.001			2.76
5417	251.1	252.8			1.7	.240	.60	.18	92.6	.06									2.70	.002			2.81

HOLE NO RG-122

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ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt PPM Ag	opt PPB Au			SG
BCD 5418	252.8	254.3			1.5				3.1	·010						62	112	130					
5419	261.6	263.0			1.4	·134	·46	·17	42.2	0.71									1.23	·021			2.99
5420	263.0	263.5			0.5	·050	·13	·06	9.3	·02									0.27	·001			2.73
Averages	236.4	242.4			6.0	1.48	1.97	1.38	1566.6	3.00									45.7	·088			3.14
	236.4	246.6			10.2	1.26	2.31	1.28	1048	2.03									30.6	·059			3.05

HOLE NO RG-122

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DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-123							90°	NQ	126.9
PROJECT: 312	CLAIM #: REA 1	SURVEY COORDS.	96+71.2NW	5+77.0NE	1611.1	DATE STARTED: MAY 29/86 DATE COMPLETED: MAY 30/86	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
52.2	88°								
93.3	85°								
123.8	85°								

HOLE NO RG-123

LOGGED BY G. Evans

ZIPPY PRINT - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.7	CASING							CASING
3.7 to 83.3	Mafic Pyroclastics	MGrn	FGr	-Lapilli in a fgr matrix -Lapilli have remnant mafic phenos and vesicles	Bedding 19.0M 45° 65.2 45°	-Matrix strongly chl alt^{d} -Lapilli sericite + carb alt^{d} -Strong flooding by Qtz-Carb veins + veinlets in zones 19.4 - 24.0 79.0 - 83.3	-tr-1% dissem in volcs -occas py veinlet 61.0 - 61.5 QV w/ 2% py dissem 1% Tet dissem 66.7 - 67.2 QV w/ 1% dissem Cpy 1% Tet dissem 78.4 - 79.0 QV w/ 1-2% Sphal 1% Cpy 2% Galena 1% Tet	
83.3 to 93.0	Mafic Tuff w/ Chert	Lt Grn	FGr-Aphan	-Well laminated mafic tuff w/ grey-green chert beds + frags. -Occas. arg. band	Bedding 86.3 50°	-Mafic tuff strongly seric alt^{d} -Some silic^{n} -Occas milky white QV	5-8% dissem py	Mod fault zone w/ clay gouge and QV's 91.7 - 92.0

HOLE NO RG-123

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
93.0 to 99.5	Quartzite	Lt. Gry	MGr	Massive unit w/ a silic matrix and equigranular qtz. grains		Some silic^{n}	-tr-1% dissem py -Occas. Qtz Veinlet	
99.5 to 102.1	Argillite	Black	FGr	Well laminated arg bands w/ some qtzite beds	30-60°	Some silic^{n} by milky QV's	Avg. 5% dissem py	
102.1 to 123.8	Mafic Tuff +Quartzite	Lt Grn	FGr - MGr	laminated mafic tuff mixed w/ quartzite + seperate quartzite beds -3-5cm beds of pyrite and fragments	115.5 50°	Mafic tuff intensely sericite alt^{d} -Some silic^{n} by QV's	20% py as beds + fragments 103.5 - 104.9 Milky Wht QV w/ 5% py, tr tet 108.1 - 110.3 Milky QV w/ 2-3% Sphal 1-2% Cpy 1% Tet 110.3 - 110.9 1% Sphal in QV's 110.9 - 111.1 60% Sulphides 20% Tet 5% Sphal 35% Py Banded	

HOLE NO RG-123

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
	cont'd						111.1 – 111.6 QV w/ silic^{d} qtzite w/ 5% Tet 5% Sphal 2% Galena 111.6 – 117.4 10% milky QV's 30% py 117.4 – 118.9 Milky QV w/ 5% py tr-1% tet	
123.8 to 126.9 E.O.H.	Argillite + Mudstone	Black	FGr – MGr	Fine beds of argillite and mudstone. Well laminated	45-55°	Some silic^{n}	-Avg 5% dissem py -Occas. xtal of pyrrotite	

HOLE NO RG-123

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5251	61.0	61.5			0.5	.012	.03	.03	2.1	.01									.06	.001			2.82
5252	66.7	67.2			0.5	.071	.12	.25	4.6	.02									.13	.001			2.80
5253	78.4	79.0			0.6	.004	.02	.01	1.3	.12									.04	.004			2.89
5254	102.1	103.5			1.4				8.0	.055						380	9200	5800					
5255	103.5	104.9			1.4	.002	.02	.02	0.4	.15									.01	.004			2.71
5256	104.9	106.4			1.5				1.4	.11						56	62	28					
5257	106.4	108.1			1.7				1.6	.05						74	115	59					
5258	108.1	109.2			1.1	.12	.63	.12	15.8	.10									.46	.003			2.73
5259	109.2	110.3			1.1	.119	.18	.03	18.0	.04									.53	.001			2.71
5260	110.3	110.9			0.6	.117	.61	.28	117.0	.27									3.41	.008			
5261	110.9	111.4			0.5	.99	4.52	2.27	1195	2.03									34.85	.059			3.07
5271	111.4	112.9			1.5				16.8	.06						174	620	420					
5262	117.4	118.9			1.5	.005	.02	.02	2.6	.20									.08	.006			2.92

HOLE NO RG-123

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: RG-123 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
3.66	4.88	0.54	10	2	60°	7		
4.88	7.92	0.20	39	2	30°	7		
7.92	10.97	0.11	44	6	45°	6	lots rubble	
10.97	14.02	0.70	32	5	45°	6		
14.02	17.07	0.38	35	4	60°	6		
17.07	18.90	0.41	20	1	45°	8		
18.90	21.95	1.18	36	2	45°	8		
21.95	24.38	0.62	26	3	45°	7		
24.38	26.21	0.33	24	1	60°	7		
26.21	27.43	0.11	16	3	45°	6		
27.43	28.65	Ø	19	3	30°	6		
28.65	31.09	0.23	4	1	60°	7		
31.09	32.31	Ø	40	2	45°	6	lots rubble	
32.31	32.92	0.12	7	1	10°	6	" "	
32.92	35.36	0.42	23	3	60°	6		1.87 = 75%
35.36	37.34	0.37	17	2	45°	7		
37.34	38.46	Ø	3	Ø	45°	8		0.27 = 20%
38.46	40.69	0.33	15	4	45°	7		1.34 = 60%
40.69	42.36	0.11	21	3	45°	7	some rubble	
42.36	43.59	0.12	17	3	45°	6		
43.59	44.50	Ø	16	Ø	52.50°	6	some rubble	
44.50	45.72	0.27	15	2	60°	7		
45.72	47.55	Ø	25	2	45°	6		
47.55	49.38	Ø	19	2	60°	6		
49.38	50.60	0.11	21	1	45°	7		
50.60	53.64	0.54	39	3	45°	7		
53.64	55.47	0.44	25	2	30°	7		
55.47	56.69	Ø	18	2	45°	6	some rubble	
56.69	57.91	↓	9	Ø	45°	6	" "	
57.91	58.67		19	2	45°	6		
58.67	60.66		30	6	45°	6		
60.66	61.87	0.36	10	2	45°	7		
61.87	63.70	Ø	32	5	45°	6	some rubble	
63.70	64.31	Ø	10	2	30°	6		
64.31	67.36	0.39	37	4	45°	7		
67.36	68.88	1.14	16	3	45°	8		
68.88	71.93	1.40	36	4	45°	8		
71.93	74.37	0.13	26	1	60°	8		
74.37	76.50	0.44	24	3	30°	7		
76.50	78.33	0.59	15	4	45°	8		
78.33	81.07	1.65	18	4	45°	8		
81.07	83.36	1.26	13	2	45°	9		
83.36	86.41	0.73	27	3	60°	8		
86.41	88.70	0.71	23	3	60°	8		
88.70	91.74	0.69	27	3	45°	8		
91.74	93.27	0.15	16	1	60°	7		
93.27	93.57	Ø	3	2	60°	7		
93.57	96.32	1.03	16	4	45°	8		
96.32	98.15	0.48	19	4	45°	7		
98.15	101.19	0.72	23	3	45°	7		

HOLE: RG-123 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	
								Recovery
101.19	101.80	0	7	0	52°	5	mostly rubble	0.19 = 30%
101.80	104.24	0.30	27	4	60°	7		
104.24	104.85	0.13	4	2	60°	6		
104.85	106.68	0	21	5	45°	6		
106.68	106.98	0	4	1	45°	7		
106.98	110.03	1.19	26	4	45°	8		
110.03	113.08	1.26	25	3	45°	8	some rubble	
113.08	114.30	0.29	11	2	60°	7	" "	0.77 = 65%
114.30	117.04	0.74	33	3	60°	7		
117.04	117.80	0.21	6	1	45°	8		
117.80	119.18	0.43	12	1	45°	8		
119.18	119.63	0.11	4	1	60°	8		
119.63	120.70	0.61	9	1	80°	8		
120.70	121.31	0.41	2	0	60°	9		
121.31	123.75	1.70	17	3	45°	9		
123.75	125.58	0.57	15	2	30°	8		
125.58	126.80	0.54	11	2	45°	8		
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-124						225°	-68°	NQ	130.2M
PROJECT: 312	CLAIM #: REA 1	SURVEY COORDS.	96+71.2	5+77.0	1611.1	DATE STARTED: JUNE 1/87 DATE COMPLETED: JUNE 2/87	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY

PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
26.5	66°			N/A					
121.0	63°								

HOLE NO RG-124

LOGGED BY

ZIPPY PRINT - — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.1	CASING							CASING
3.1 to 68.9	Mafic Pyroclastics	MGrn	FGr	FGr matrix w/ lapilli -rounded and flattened lapilli w/ alt^{d} mafic p's + qtz filled vesicles -Occas leucoxene xtal	Bedding 12M 70° 62M 80°	-Matrix chl. alt^{d} w/ lapilli seric + carb alt^{d} -Some silic^{n} 3% milky wht QV's + some qtz-carb veinlets + alt^{n} -@ 58.0 - 68.9 sericite alt^{n} and silic^{n} intensifies	3.3 — 3.6 Milk QV w/ gash veins + 1% Tet, tr cpy Units avg. 5% dissem py Occas Sam Milky QV w/ 1% cpy 44.5 - 44.9 Milky QV w/ tr tet 46.4 - 46.7 QV w/ 10% Sp 3% Cpy 1% Tet 49.5 - 50.2 QV w/ carb tr tet, tr gal 56.1 - 56.5 QV w/ carb alt^{n} 3% Gal 1% Cpy 1% Tet 68.7 - 68.8 QV w/ 10% gal, 10% Cpy tr tet	Fault w/ clay gouge 45.9 - 46.0 Fault w/ clay + qtz gouge 57.3 - 57.7 Fault w/ broken rock 58.7 - 59.4

HOLE NO RG-124

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
68.9 to 74.9	Mafic Tuff w/ Chert	Lt Grn	FGr – Aphan	-Finely laminated mafic tuff w/ chert beds and avg. chert frags - 71.6 – 71.9 Arg forms the matrix	Bedding 74M 70°	Some silic^{n} -Mafic tuff strongly sericite alt^{d}	8% dissem py	Fault Zone w/ clay gouge 71.8 – 71.9
74.9 to 108.5	Argillite w/ minor Quartzite	Black	FGr – MGr	Well bedded arg w/ 10% qtzite beds 86.8 – 90.4 unit dominantly qtzite -Occas mudstone bed -Some soft sed def^{m} in beds (ie slumping)	Bedding 77M 70° 97M 70°	Some Qtz-Carb Veins	Avg 5% dissem py in the beds 87.8 – 88.2 dissem sp. in qtzite .5%	Fault Zone w/ clay gouge 85.2 – 86.6 -Some arg has wkly conductive graphite
108.5 to 111.0	Qtz Vein in a Fault	Milky White	Aphan	- Milky QV w/ arg gouge (20%)		Vein has carb alt^{n} + minor barite	tr tet	108.5 – 111.0 QV in a fault zone w/ gouge
111.0 to 130.2 E.O.H.	"Muddy Tuff"	Gry – Black	FGr	- Generally a fgr arg matrix w/ 30-80% syng pyrite - Holds fragments arg 1-2cm of arg, chert, mafic tuff and py as a slump bx - some beds highly contorted by soft sed def^{m} -Occas py bed 80+% py	Bedding 118M 65° 129M 60°	-Some silic^{n} by QV's -Mafic tuff strongly seric alt^{d}	113.9 – 116.4 60-70% syng. py the rest avgs. 30% py	Fault w/ clay gouge 113.9 – 114.1

HOLE NO RG-124

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5263	43.0	44.5			1.5				2.4	.03						62	146	152					
5264	44.5	44.9			0.4	.003	.03	.03	1.9	.01									.06	.001			2.84
5265	44.9	46.4			1.5				1.9	.015						178	3000	5800					
5266	49.5	50.2			0.7	.006	.05	.03	1.8	.01									.05	.001			2.91
5267	56.1	56.5			0.4	.042	.16	.14	2.4	.02									.07	.001			2.89
5268	67.5	68.8			1.3	.103	.28	.16	4.0	.05									.12	.001			2.98
5269	108.5	110.0			1.5				0.8	.005						21	65	24					
5270	110.0	111.0			1.0				0.4	.005						48	47	16					

HOLE NO RG-124

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

HOLE: R6-124 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
3.05	5.18	0.52	25	2	45°	6	some rubble	1.31 = 60%
5.18	6.71	Ø	29	2	60°	7		
6.71	8.23	0.22	22	Ø	55°	7		
8.23	9.14	0.11	12	Ø	50°	6		
9.14	11.28	0.72	23	5	45°	7		
11.28	11.73	0.58	7	Ø	52°	6		
11.73	14.33	0.77	32	4	60°	7		
14.33	17.37	0.56	39	6	45°	7		
17.37	20.42	0.58	39	5	45°	7		
20.42	23.47	0.70	42	7	45°	7		
23.47	29.57	Ø	102	7	60°	6		
29.57	30.94	Ø	21	2	30°	6		
30.94	32.61	0.21	28	1	45°	6		
32.61	35.05	0.17	35	4	60°	7		
35.05	37.49	Ø	35	3	30°	7		
37.49	38.71	↓	27	2	60°	6		
38.71	41.45	↓	45	1	45°	6		
41.45	44.35	0.20	34	2	45°	6		
44.35	46.94	0.41	29	3	80°	6		1.73 = 65%
46.94	47.70	Ø	12	Ø	60°	7		
47.70	49.07	Ø	20	4	45°	6		
49.07	50.29	0.11	17	2	45°	7		
50.29	53.34	0.39	48	6	60°	6		
53.34	56.54	0.75	31	3	60°	8		
56.54	57.91	0.11	22	2	80°	7	some rubble	
57.91	58.83	Ø	10	1	60°	6	lots "	0.34 = 35%
58.83	59.44	Ø	4	Ø	60°	5	mostly "	0.15 = 25%
59.44	61.87	0.11	34	3	60°	6	Some "	
61.87	63.09	0.70	12	1	45°	8		
63.09	66.14	1.79	26	3	45°	9		
66.14	69.19	1.47	27	1	80°	8		
69.19	72.24	0.31	41	5	45°	8		
72.24	73.46	Ø	18	3	60°	6	lots rubble	
73.46	76.50	0.44	45	1	60°	7		
76.50	77.57	Ø	14	Ø	52°	7		
77.57	78.94	0.29	19	1	45°	7	some rubble	
78.94	80.16	Ø	17	1	80°	7		
80.16	83.21	0.11	51	6	60°	6	some rubble	
83.21	85.04	0.11	25	2	80°	6	" "	1.03 = 55%
85.04	86.72	Ø	18	3	60°	6	lots "	0.90 = 55%
86.72	89.76	0.74	35	3	60°	7		
89.76	92.51	0.20	28	2	45°	7		1.69 = 60%
92.51	95.71	Ø	39	4	60°	6	some rubble	
95.71	98.75	0.26	39	2	45°	7		
98.75	101.50	0.30	31	4	80°	7		
101.50	104.55	0.40	29	5	60°	7		
104.55	106.53	0.21	24	2	45°	7	some rubble	
106.53	108.81	0.11	13	1	45°	6	" "	1.20 = 55%
108.81	110.64	0.48	18	1	45°	6	lots "	
110.64	113.69	0.32	25	2	45°	7		

HOLE: RG-124 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS
113.69	116.74	0.81	35	3	45°	7	Recovery
116.74		0.39	9	2	80°	8	
117.96		1.77	21	2	45°	8	
121.01		1.34	29	1	60°	8	good
124.05		1.26	29	1	45°	8	some rubble
127.10	130.15	0.71	33	2	45°	7	
EOH							

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-125						225°	-85°	NQ	215.5
PROJECT: 312	CLAIM #: REA #1	SURVEY COORDS	9S+26.0NW	6+53.3NE		DATE STARTED: JUNE 1/87 DATE COMPLETED: JUNE 3/87	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
62.5	83°			Tropari Broken					
130.1	82°								
191.1	83°								
215.5	79°								

HOLE NO RG-125

LOGGED BY G. Evans

ZIPPY PRINT — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.4	CASING							CASING
3.4 to 195.2	Mafic Pyroclastics	MGrn	FGr	- A fgr matrix w/ rounded and flattened lapilli w/ 10% leucox. - Lapilli monolithic w/ occas. mafic pheno + qtz filled vesicle - 139.3 - 177.7 A fgr tuffaceous ar flow unit w/ qtz-carb vesicles? massive w/ only occas lapilli	Bedding 5.2M 40° 30M 45° 48M 45° 75M 45° 102M 45° 124M 45°	Matrix chl. alt^{d} Lapilli sericite and carb. alt^{d} 2-3% Qtz-Carb veinlets 64.5 - 81.3 a carb alt^{n} zone w/ increased sericite 139.3 - 182.0 Qtz-Carb alt^{n} increases steadily 30-40% vol. 182.0 - 195.2 Carb + Sericite alt^{n} increases strongly w/ qtz-carb knots	1% dissem py 64.5 - 66.8 Qtz Carb veinlets w/ carb alt^{n} carry Gal, Sp, Cpy Avg. over interval 1-2% gal 1% sp tr cpy 69.5 - 70.1 a mottled vein bx w/ sevic + fuchsite alt^{n} contains 2% gal, 10% py tr sp 73.0 - 75.4 Qtz-Carb vein w/ sevic + fuchsite? alt^{n} 1% gal 15% py tr sphal tr cpy 79.20 - 87.0 Occas 5cm QV w/ 5% cpy, 2% gal, 2% sp, 1% Tet	Fault zone w/ clay gouge 19.3 - 20.2 Weak fault zone 33.9 - 34.2 Strong fault w/ clay gouge + qtz chips 174.2 - 174.3 Fault zone w/ clay gouge + broken rock 189.5 - 189.9

HOLE NO RG-125

ZIPPY PRINT® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
195.2 to 207.8	Chert w/ Mafic Tuff	Lt Grey - Grn	Aphan - FGr	- A chert matrix w/ wisps of mafic tuff + occas. chert bx. - Occas laminations and frags of arg. - Chert frags ang. 1-2cm	Bedding 200M 45°	Mafic Tuff intensely sericite alt'd	Avg. 15% Silic'd zones + dissem avg 2% lt sp 1% Gal tr tet	fault w/ clay gouge 195.2 + 195.3
207.8 to 215.5	"Muddy Tuff" E.O.H.	MGry	FGr	A pyritic muddy matrix w/ 40% fgr pyrite w/ frags (round) and beds of chert and round frags of pyrite - frags .5-2.0cm - matrix finely laminated	Bedding	Some milky QV's	Avg 40% fgr dissem py 207.8 - 208.3 50% py w/ 2-3% lt sphal dissem	

HOLE NO RG-125

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au			SG
BCD 5376	64.5	66.8			2.3	.015	.13	.10	1.9	.01													3.01
5377	69.5	70.1			0.6	.007	.11	.10	2.1	.01													3.03
5378	73.0	75.4			2.4	.013	.04	.09	2.4	.04													3.16
5379	195.2	196.7			1.5	.026	.44	.34	4.0	.01													2.91
5380	196.7	198.2			1.5	.010	.06	.02	0.2	.01													2.94
5381	198.2	199.7			1.5	.008	.01	.01	0.2	.02													2.92
5382	199.7	201.2			1.5	.007	.02	.01	0.3	.01													2.96
5383	201.2	202.7			1.5	.008	.01	.01	0.2	.02													2.99
5384	202.7	204.2			1.5	.044	.18	.20	8.2	.03													2.96
5385	204.2	205.7			1.5	.008	.08	.01	0.2	.01													2.91
5386	205.7	207.8			2.1	.010	.02	.01	0.3	.02													2.91
5387	207.8	208.3			0.5	.026	.38	.18	10.2	.02													3.09

HOLE NO RG-125

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-126						—	-90°	NQ	69.2
PROJECT 312	CLAIM # REA 1	SURVEY COORDS	97+57.3	5+54.9	1556.7	DATE STARTED: JUNE 2/87 DATE COMPLETED: JUNE 4/87	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
44.2	87°								
69.0	86°								

HOLE NO RG-126

LOGGED BY G. Evans

ZIPPY PRINT - -- BRIDGEPORT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.1	CASING							CASING
3.1 to 31.1	Mafic Pyroclastics	MGrn	FGr	- A fgr matrix w/ rounded and flattened lapilli - lapilli leucoxene rich (20%) w/ remnant mafic p's and qtz filled vesicles	Bedding 11M 40° 29.3M 45°	Matrix chl. alt^{d} white vesicles seric ± carb alt^{d} - Seric alt^{n} becomes more intense w/ fuchsite? 26.3 - 31.1 - some QV's milky white	Avg. 1-2% dissem py	
31.1 to 47.9	Mafic Tuff w/ Chert	Lt Grn	FGr - Aphan	- Finely laminated mafic tuff w/ fine chert beds - Occas a chert bx unit w/ ang. frags.	Bedding 11 w/ fol^{n} 35M 50°	- Mafic tuff intensely sericite alt^{d} - Some silic^{n} by QV's ± carb - Occas chert bx unit w/ ang frags of chert	Unit avgs 10% dissem py ~ 10% 46.8 - 47.4 10% QV's w/ 1% sphal tr tet 31.4 - 31.8 QV w/ 30% py 2% sphal 1% Tet 36.3 - 36.7 QV w/ 20% Py 8% Sphal 8% Tet	Strong faults w/ clay gouge 38.8 - 39.1 40.9 - 41.3 41.7 - 41.9 44.1 44.4

HOLE NO RG-126

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
47.9 to 48.2	Massive Sulphides	Metallic Brn	FGr	-80% py in a silic matrix -Py fgr in bands + blebs		Silic^{d}	80% py 2% cpy 1% tet tr sp	
48.2 to 67.2	Mudstone	Lt Brn – Lt Grn	FGr	- Well bedded mudstone - Occas. qtzite unit	51.2 M 45°	Some silic^{n} and clay alt^{n} around faults	Avg. 5% dissem py 59.6 - 60.7 QV w/ 5% py dissem 1% cpy dissem 1% tet dissem w/ barite + talc?	Faults w/ clay gouge @ 49.0 - 49.1 56.4 - 56.5 A strong fault w/ clay gouge and QV's 57.9 - 62.4
67.2 to 69.2 E.O.H.	Muddy Tuff	Black	FGr	- an avg matrix w/ minor chert beds and frags - a mottled appearance due to coarser grains of qtz and feldspar?	Bedding 68M 45°	Some Qtz carb veins	10% py dissem + bands	

HOLE NO RG-126

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5276	31.4	31.8			.4	.129	.68	.69	18.6	.24									.54	.007			3.05
5277	34.8	36.3			1.5				1.4	.025						24	68	320					
5278	36.3	36.7			.4	.108	1.93	1.30	76.0	.22									2.22	.006			2.96
5279	36.7	38.2			1.5				1.8	.03						200	140	176					
5280	46.4	47.9			1.5				4.1	.035						245	680	325					
5281	47.9	48.2			.3	1.32	3.34	1.63	1690	4.62									49.29	.135			3.94
5282	48.2	49.7			1.5				8.0	.07						170	570	180					
5283	59.6	60.7			1.1	.062	.03	.01	8.2	.19									.24	.006			2.76

HOLE NO RG-126

PAGE 4

ZIPPY PRINT — BRIDGEPORT RICHMOND

HOLE: RG-126 RQD LOG SHEET PROJECT: REA GOLD

FROM (m)	TO (m)	SUM OF LENGTHS >10.2cm	NO. OF FRACTURES	NO. OF VEINS	ANGLE	DEGREE OF BREAKAGE NO.	COMMENTS	Recovery
3.05	4.88	0.28	18	1	45°	7	some rubble	1.21 = 65%
4.88	6.71	0.66	15	2	45°	8		
6.71	7.92	0.21	15	1	30°	7	some rubble	
7.92	10.97	0.88	32	6	45°	8		
10.97	14.02	1.71	22	3	60°	9		
14.02	17.07	1.44	26	2	30°	9		
17.07	20.12	1.92	25	5	45°	9		
20.12	23.16	1.26	30	6	60°	8		
23.16	26.21	0.77	38	4	60°	8		
26.21	29.26	2.22	25	1	45°	8		
29.26	32.31	1.53	26	0	37.5°	9		
32.31	35.36	1.65	24	2	30°	9		
35.36	38.40	0.53	28	1	45°	8		2.30 = 75%
38.40	41.30	0.11	29	1	60°	6	lots rubble	1.99 = 70%
41.30	44.35	0.11	12	0	60°	6	" "	0.98 = 30%
44.35	47.40	0.21	26	1	60°	7		1.86 = 60%
47.40	49.07	0.11	22	2	60°	6	some rubble	1.07 = 65%
49.07	50.29	0	14	1	45°	6	" "	0.55 = 45%
50.29	51.51	0.42	12	0	52°	7		
51.51	52.73	0	12	1	60°	7	some rubble	0.60 = 50%
52.73	53.34	0	9	2	60°	6		
53.34	54.56	0	26	2	45°	6		
54.56	57.00	0.39	30	4	60°	7		
57.00	57.91	0	21	2	30°	6		
57.91	59.59	0.22	15	4	60°	7		
59.59	60.81	0	13	1	60°	5	some rubble	0.46 = 40%
60.81	62.48	0.13	18	2	45°	6	" "	0.97 = 60%
62.48	63.70	0	23	0	52°	6	" "	0.60 = 50%
63.70	66.14		37	1	60°	6	lots "	
66.14	67.06		26	0		6	some "	0.54 = 60%
67.06	67.51		9	0		5	all "	0.21 = 45%
67.51	69.19	0.22	31	0		6	lots "	1.16 = 70%
EOH								

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT	DEP	ELEV	COLLAR BRNG	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-127						225°	-70°	NQ	214.6M
PROJECT 312	CLAIM # REA 1	SURVEY COORDS	95+70.5NW	6+65.4NE		DATE STARTED: JUNE 3/87 DATE COMPLETED: JUNE 5/87	CONTRACTOR: R+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
63.2	70°			214.6	207°	68°			
121.3	69°								
182.0	68°								

HOLE NO RG-127

LOGGED BY G. Evans

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0? to 185.3	Mafic Pyroclastics							

HOLE NO. RG-177

PAGE 2

ZIPPY PRINT® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
185.3 to 214.6 E.O.H.	"Muddy Tuff"	Dk. Gry	FGr	185.3 - 187.1 finley laminated pyritic mud (50% syng. py) 187.1 - 213.0 becomes more cherty w/ pyritic mud avg 25% w/ round frags 1-2cm of chert + pyrite 213.0 - 214.6 back to finely laminated arg-pyritic (50% syng py.)	Bedding 185.5 45° 200M 65° 212M 60°	Some silic^{d} zones	186.5 - 188.0 1-2% lt dissem sp tr dissem tet tr gal in QV 194.2 - 197.5 1-2% dissem lt sp .5% tet dissem found in 1-2cm silic^{d} zones 206.6 - 208.1 silic^{d} zones carry min^{l} zn 1-2% lt sp tr tet	strong fault w/ clay gouge broken rock + qtz veinlets 211.2 - 212.6

HOLE NO RG-127

ZIPPY PRINT® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au			
BCD 5440	186.5	188.0			1.5				17.3	0.005						320	3600	1640					
																~~8~~	~~2600~~						
5441	194.2	195.7			1.5				19.0	0.32						540	2600	1750					
5442	195.7	197.5			1.8				24.0	0.25						225	890	780					
5443	201.7	202.0			0.3	.036	1.39	0.94	38.2	0.96													
54																							
5444	206.6	208.1			1.5				30.0	0.20						305	3650	1160					

HOLE NO RG-127

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DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-128							-90°	NQ	55.5M
PROJECT 312	CLAIM # REA 1	SURVEY COORDS.	98+09.9NW	5+72.3NE	1549.6	DATE STARTED: JUNE 4/87 DATE COMPLETED: JUNE 5/87	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
36.6	88°								
55.5	87°								

HOLE NO RG-128

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 6.1	CASING							CASING
6.1 to 20.1	Mafic Tuff w/ Chert	Lt Grn	FGr - Aphan	-Finely laminated mafic tuff w/ chert beds + frags -frags. flattened ‖ to bedding and are 1-4cm and are rounded	Bedding ‖ w/ fol^{n} 7M 50° 20M 50°	Hem. on fract 6.1-8.4 Intense seric. alt^{n} of the mafic tuff	Avg. 10% dissem py w/ occas. py stringer ± chl. alt^{n}	mod. fault w/ clay gouge 13.8-14.0
20.1 to 24.4	Quartz Vein w/ "Silver Zone"	Wht - Gry	FGr - Aphan	Hosted in mafic tuff + chert A milky wht QV 20.1 - 23.8 50% QV		-Seric. alt^{n} on fract -Minor silic^{n}	-20.1-23.8 5% dissem py, tr tet 23.8-24.4 vein appears as alt^{d} quartzite 20% py as bands 15% tet dissem 12% Sphal dissem 4-5% Galena 2-3% Cpy	
24.4 to 34.7	Quartzite w/ Mafic Tuff	Lt Grn	MGr	-Generally a quartzite w/ varying amounts of mafic tuff in the matrix -Occas a fgr tuff bed -Qtz grains 1-3mm in dia	29.5 45° 41.0 40°	-Intense sericite alt^{n} -QV's 25% 32.8 - 34.7 QV + qtzite grn w/ a mica (fuchsite)	Avg 5% dissem py	

HOLE NO RG-178

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
34.7 to 48.0	Mafic Tuff w/ Chert	Lt. Grn	FGr – Aphan	FGr mafic tuff w/ chert beds + frags + occas py bed - Chert frags 1-5cm sub ang	Bedding 35M 45° 46M 50°	Mafic tuff intensely seric. alt^{n} (sometimes actually a brn color) - Some fractures have talc on them	34.7 - 40.2 Avgs 10% dissem py 40.2 - 48.0 30% py in the matrix 38.8 - 40.3 QV w/ 5% py tr - 1% tet tr sphal	37.3 - 38.8 strong fault zone w/ clay gouge and qtz chips
48.0 to 55.5 E.O.H.	"Muddy Tuff"	Gry	FGr – Aphan	Finely laminated chert w/ 10% arg matrix (N.B. maybe a chert bx) - Highly contorted beds by soft sed. def^{n} (slumping) fgr beds of py, chert + arg - fragment 5mm - 3cm often angular	Bedding 48.5 45° 52.5 10°		15% fgr syng. py as beds + frags	

HOLE NO RG-128

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	~~PPM~~ opt Ag	~~PPB~~ opt Au			SG.
BCD 5293	18.6	20.1			1.5				0.6	0.32						46	54	25					
5294	20.1	21.6			1.5	·01	·01	·01	2.2	·44									·06	·013			2.79
5295	21.6	22.6			1.0	·096	·16	·12	70.4	·08									2.05	·002			2.78
5296	22.6	23.8			1.2	·277	·29	·18	218.5	·23									6.37	·007		(2.86)	2.86
5297	23.8	24.4			0.6	1.71	4.27	3.02	1215	1.90									35.44	·055			3.13
5298	24.4	25.9			1.5				2.3	0.04						38	62	67					
5299	32.8	34.7			1.9	·015	·01	·02	4.1	·02									0.12	·001			2.84
5300	38.8	40.3			1.5	·010	·01	·01	17.6	·01									0.51	·001			2.69
Averages																							
	22.6	24.4			1.8	0.75	1.62	1.13	550.7	0.79									16.1	·023			2.95

HOLE NO RG-128

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DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-129							-90°	NQ	114.6

PROJECT	CLAIM #	SURVEY COORDS					
312	REA #1		100+64.7 NW	6+98.3 NE	1475.1	DATE STARTED: JUNE 2/87 DATE COMPLETED: JUNE 4/87	CONTRACTOR: G+D CORE STORAGE: CASING: PULLED

PURPOSE	RQD LOG COLLAR SURVEY	PULSE EM SURVEY MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
65.8	87°								
108.5	85°								

HOLE NO RG-129

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 9.75	CASING							
9.75 to 10.3	Mafic Tuff	MGrn	FGr	FGr Tuff w/ Qtz Veins Milky wht.		Tuff is sericite altd mod	tr py QV's have 5% py	N.B. maybe a boulder?
10.3 to 67.0	Argillite + Mudstone	Black to Grey	FGr	Well bedded sediments w/ black argillite interbedded w/ buff mudstone Bedding angles change drastically but no slump bx's (fold or channel?) (little fol^n) Soft sed. features include slumping, flame structures (tops down hole!) -Occas. Greywacke bed	24M 10° 35M 45° 46M 70° 50M 30° 57M 10° 60M 50°	-Occas. QV ± carb	1-2% dissem py	Some graphitic arg. wkly conductive Faults w/ graphite gouge 42.5-42.6 61.3-61.4
67.0 to 105.9	Mafic Tuff + Quartzite	Lt Grn	Very FGr	A very fgr mafic tuff -Well bed w/ some beds containing 30% leucoxene xtals	67M 45°	-Occas Scm milky QV ± carb -Tuff is mod seric altd	- Avg. 8% dissem + occas frag of py	

HOLE NO RG-126

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd				71.7 – 84.9 A large late stage QV x cuts the tuff unit -Milky white -Contains frags + zones of mafic tuff (10%) 88.5 – 105.9 rock is better described as a quartzite w/ a mafic tuff component		QV's increase 68.7 – 71.7 25% of rock	68.7 – 79.2 5% dissem py 79.2 – 83.7 40% Coarse zones of py tr tet, + fuchsite? (grn mica) 83.7 – 84.9 10% dissem py	Intense fault w/ clay + graphite gouge w/ Qtz chips 75.0 – 80.7 60% recovery
105.9 to 113.5	"Muddy Tuff"	Black	FGr	-A slump bx w/ an arg. matrix w/ beds + frags of chert + mudstone -frags 1-5cm and are rounded – sub. ang.	107M 40° 113M 45°	some silic^n by QV's	1% dissem py	
113.5 to 114.6 E.O.H.	Mafic Tuff w/ Chert	Lt Grn	FGr	-A mafic tuff w/ frags of chert + occas. arg -Frags of chert 1-3cm and are rounded	114.5 45°	tuff is strongly seric. alt^d	tr py	

HOLE NO RG-129

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ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5284	71.7	73.2			1.5	~~18~~			1.2	.155						18	23	20					
5285	73.2	74.7			1.5	~~46~~			1.0	.135						16	41	40					
5286	74.7	76.2			1.5	~~22~~			0.8	.105						22	152	18					
5287	76.2	77.7			1.5	~~14~~			0.6	.035						14	138	15					
5288	77.7	79.2			1.5	~~100~~			3.2	.180						100	180	220					
5289	79.2	80.7			1.5	.021	.07	.03	3.9	.21									.11	.006			2.99
5290	80.7	82.2			1.5	.006	.03	.02	3.8	.26									.11	.008			3.40
5291	82.2	83.7			1.5	.027	.06	.02	4.3	.06									.13	.002			3.01
5292	83.7	85.2			1.5	~~19~~			1.4	.03						19	59	53					

HOLE NO RG-129

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DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-130						225°	-68°	NQ	212.5
PROJECT 312	CLAIM # REA #1	SURVEY COORDS	96+36.6	6+72.6		DATE STARTED: JUNE 6/87 DATE COMPLETED: JUNE 8/87	CONTRACTOR: G+D CORE STORAGE:	CASING 10' LTH.	

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
46.6	66°			151.5	220°	65°			
157.6	64°			212.4	214°	62°			
163.7	64°								
211.3	62°								

HOLE NO RG-130

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
to 177.2	Mafic Pyroclastics							

HOLE NO RG-130

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
177.2 to 193.1	Mafic Tuff	Lt Grn	FGr	- A well laminated mafic tuff w/ beds of mudstone + occas. round syng py frag + bed - 179.0 - 179.5 a thin bed of muddy tuff w/ a avg-pyrite matrix - Some minor chert frags 177.2 - 179.0 rounded 1-2cm	Bedding 178M 65° 187M 70°	- Mafic Tuff intensely sericite alt^{n} - 8-10% milky white QV's	Avg 10-15% py as frags 185.2 - 185.7 QV in mafic tuff has 30% crse gal 20% crse blebs of cpy 5% blebs tet	Fault w/ clay gouge 190.0 - 190.3
193.1 to 195.9	Qtz Vein "Silver Zone"	Milky White	Aphan	A milky white QV w/ a mottled texture (qtzite host?) - Occas vugs w/ qtz xtals		Intense silic^{n} + sericite alt^{n} to qtzite? - Some carb zones	193.1 - 195.8 Avg 2-3% blebs of tet w/ 1% dissem cpy 1-2% dissem py 195.8 - 195.9 crse bj blebs sp 10% crse tet blebs 10% dissem + bleb cpy 10% crse py blebs 10%	
195.9 to 205.7	"Muddy Tuff"	MGry	FGr	A well laminated pyritic mud matrix w/ chert beds + frags rounded .5-4cm	Bedding 198M 70° Fol^{n} || 205M 70°	Some silic^{d} zones	195.9 - 199.3 40% fgr dissem + lam py (syg) 6-8% lam sp (lt) in silic^{d} zones 2-3% dissem cpy 1-2% tet w/ sp in silic^{d} zones tr-1% gal in milky qtz veinlets	Fault Zones w/ clay + broken rock 197.3 - 197.7 198.3 - 198.7 200.3 - 201.5 202.8 - 203.0 203.6 - 203.7

HOLE NO RG-130

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
							199.3 - 202.9 tr dissem sp lt tr-1% gal in Qtz veinlets tr tet in qtz veinlets 40% py dissem + lam 202.9 - 205.7 30% fgr py dissem + laminated	
205.7 to 209.5	Mudstone + Argillite	MGry – MBrn	FGr	- Mixture of well laminated mudstone, avg, + wackes - some mafic tuff component - some x-bedding suggests tops downhole	Bedding 207 70°	Some alt^n to mafic tuff component	Avg 1% dissem py	
209.5 to 212.5 E.O.H.	Chert Bx	Lt Gry	Aphan	- Lt Gry laminated chert frags (.5-4cm ang. frags) in a pyritic-avg matrix - a slump bx		Some milky white QV's	Avg 15% py in the matrix	N.B. almost a "Muddy Tuff" 209.5 - 211.1 strong fault zone w/ clay + broken rock

HOLE NO RG-130

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

should be 54 -- ?

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5576	183.7	185.2			1.5				20.0	0.10						1100	83	3900					
* 5577	185.2	185.7			.5	4.82	2.52	25.20	1600	2.22									4.667	.065			4.17
5578	185.7	187.2			1.5				30.0	0.10						920	112	1110					
5579	191.6	193.1			1.5				6.5	0.07						118	98	205					
5580	193.1	194.6			1.5	.01	.02	.02	2.0	.09									.06	.003			2.69
5581	194.6	195.9			1.3	.495	.72	.04	298	.36									8.69	.011			2.86
5582	195.9	197.4			1.5	.402	1.40	.24	285	.75									8.31	.022			3.14
5583	197.4	199.3			1.9	1.10	3.43	2.14	700	2.25									20.42	.066			3.07
5584	199.3	201.1			1.8				145.0	0.61						1950	4250	4500	4.23				
5585	201.1	202.9			1.8				49.0	0.285						1040	2500	1610					
Averages	194.6	199.3			4.7	0.71	2.03	0.95	456.4	1.25									13.3	.036			3.03

HOLE NO. RG-130

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-131						225°	-50°	NQ	96.9 M
PROJECT: 312	CLAIM #: REA 1	SURVEY COORDS	100+64.7 NW	6+98.3 NE	1475.1 M	DATE STARTED: June 6/87 DATE COMPLETED: June 7/87	CONTRACTOR: G+D CORE STORAGE:	CASING: PULLED	

PURPOSE

RQD LOG ✓
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
16.2	53°			95.4 M	217°	56°			
60.0	54°								
96.9	55°								

HOLE NO RG-131

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 9.1	CASING							CASING
9.1 to 52.7	Argillite	Black	FGr	- Well bedded argillite w/ 10% Mgr wackes .5-1.0M beds - Also some thin wacke beds 1-3cm - Beds sometimes contorted w/ soft sed def^{m}	Bedding 25M 65° 37M 45° 48M 45°	Occas. Qtz Veinlet	tr dissem py	Top of hole is very broke w/ hematite on fract. to 38.6 Some fract w/ graph mod conductive Weak fault w/ some clay + broken rock 36.0 - 36.2
52.7 to 56.4	Quartzite	Lt. Gry	MGr	- Quartzite ⟷ Wacke 80% equigran. Qtz Grains .5mm w/ biotitite + feldspars in the matrix - A massive rock w/ occas arg unit			tr py	
56.4 to 64.6	Mafic Tuff w/ Arg	Lt Grn - Black	FGr	56.4 - 57.5 Arg. 57.5 - 64.6 Dominantly FGr mafic tuff - fgr well laminated mafic tuff w/ occas py frag	56.5M 45° 60.0M 60° 64.0M 70°	Mafic tuff intensely seric alt^{d} 20% milky QV's	Avg. 15% py as dissem and occas. frag in the mafic tuff 58.2 - 58.5 1% Cpy in QV 61.0 - 61.1 3% B.J. Sphal in QV	Fault w/ clay gouge + Qtz Chips 57.4 - 57.5 Fault w/ clay gouge 59.9 - 60.6 61.0 - 64.6 50% recovery

HOLE NO RG-131

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
64.6 to 68.0	Chert	Lt Gry	Aphan	Massive Chert bed w/ 20% Milky QV's		- Some silic^{n}	5% py in chert Galena in QV's as blebs Avg 1-2% Tet. in silic^{d} chert as stringers + dissem 1-2%	
68.0 to 79.0	Chert w/ Mafic Tuff	Lt Grn	FGr Aphan	-Chert w/ fine laminations of mafic tuff -10% milky QV's -Occas avg bed -10% leucoxene in mafic tuff	Bedding 70M 50° 75M 45°	-Some silic^{n} by QV's -Mafic tuff intensely seric. alt^{d} -Some green mica (fuchsite) zones + minor talc on fract	Zone avgs 30% py dissem + finely laminated tr-1% dissem sphal tr dissem Tet 73.7- 74.2 QV w/ 20% blebs of py 5% Sphal (lt)(dissem 3% Galena (dissem) 2% Tet (dissem)	
79.0 to 93.0	"Muddy Tuff"	Black	FGr Aphan	- A slump bx w/ an avg matrix containing frags of chert, mafic tuff and pyrite -Beds contorted by soft sed def^{n} -Avg matrix is quite "cherty" -Frags 1-4cm subang.	81M 70° 90M 75°	-Mafic tuff strongly sericite alt^{d} -Occas 1-3cm milky QV	Avg 15-20% py dissem in matrix	Fault w/ clay gouge + QV's 80.5 - 80.8

HOLE NO RG-131

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
93.0 to 96.9 E.O.H.	Mafic Tuff w/ Chert	Lt Grn	FGr – Aphan	- Finely laminated mafic tuff w/ chert beds + frags - Gradational contact w/ Muddy Tuff - Frags of chert .5-2cm rounded - beds have slumping indic. tops up hole	Bedding 94M 80°	Mafic tuff strongly sericite altd	10% dissem py	

HOLE NO RG-131

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5301	59.6	61.1			1.5				2.0	0.48						123	78	19					
5302	61.1	62.6			1.5				10.4	0.055						295	137	180					
5303	62.6	64.6			2.0				310.0	0.65						3150	800	2000	9.0	.019			
5304	64.6	66.3			1.7	.02	.14	.62	40.4	0.22									1.18	.006			2.82
5305	66.3	68.0			1.7	.009	.04	.14	4.1	.02									0.12	.001			2.87
5306	68.0	69.5			1.5				6.2	0.075						290	1820	620					
5307	69.5	71.0			1.5				2.4	.025						50	920	52					
5308	71.0	72.5			1.5	.011	.04	.01	2.2	.03									.06	.001			3.05
5309	72.5	73.7			1.2				2.1	.01						38	140	34					
5310	73.7	74.2			0.5	.03	1.00	0.74	48.0	0.40									1.40	.012			2.96
5311	74.2	75.7			1.5				1.8	.03						36	1850	32					
5312	75.7	77.2			1.5				2.3	.04						39	80	160					
5313	77.2	79.0			1.8				2.0	.035						35	102	92					

HOLE NO RG-131

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ZIPPY PRINT - - ERIDGEPORT, RICHMOND

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-132						225°	-78	NQ	219.8

PROJECT	CLAIM #	SURVEY COORDS			DATE STARTED / DATE COMPLETED	CONTRACTOR / CORE STORAGE	
312	REA 1	96+36.6NW	6+72.4NE		JUNE 9/87 / JUNE 11/87	G+D	CASING 10' LIH

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
69.2	77°			154.5	219°	74°			
139.3	73°			218.5	210°	72°			
166.7	71°								

HOLE NO RG-132

LOGGED BY G. Evans

ZIPPY PRINT - BRIDGEPORT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
to 173.7	Mafic Pyroclastics							

HOLE NO. RG-132

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
173.7 to 184.6	Mafic Tuff w/ chert	Lt Grn	FGr – Aphan	-Generally a fgr massive to finely laminated mafic tuff -180.6 - 181.0 finely laminated chert w/ py lam. -10% leucox. in mafic tuff -Occas zone w/ avg chert frags 1-2cm	Bedding 180.8M 90°	-Mafic tuff intensely seric. alt^{d} as well as silic^{d} -Some grn. micas (fuchsite?) -10% milky white 5cm QV's	173.8 - 173.9 bed of finely laminated py 80% Overall avg 1-2% py	Strong fault zone w/ clay gouge and broken rock 173.9 - 175.9
184.6 to 190.1	Mudstone	Beige	FGr	-A mudstone or fgr wacke w/ a pyritic avg. matrix -beds are highly contorted (a slump b*?) w/ large 50+cm blocks	Bedding 188M 80°?	-Some silic^{n}	Avg. 10% fgr py in the matrix as lam. + dissem	
190.1 to 192.5	Quartzite + "Muddy Tuff"	Lt. Gry – Med Gry	MGr – FGr	A mixture of beds of sulphide rich avg and beds of MGr Qtzite	Bedding 191 M 85°	Some silic^{n} by QV's	Sulphides dominantly in "Muddy Tuff" 50% of rock 30% finely laminated + dissem py 5-8% lt sp dissem 2-3% cpy dissem + blebs in QV's 1+?% tet dissem (hard to see)	Strong fault w/ clay gouge + broken rock 191.2 - 192.6

HOLE NO. RG-132

ZIPPY PRINT® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
192.5 to 196.4	Qtz Vein	Milky Wht	Aphan	Hosted in mafic tuff + qtzite 192.5 - 194.4 only 50% silic^{n} 194.4 - 196.4 intense silic^{n} by QV which has a mottled texture + occas. vuggy w/ QV's		Intense seric alt^{n} to mafic tuff + strong qtz flooding Some grn micas (fuchsite) And blebs of a pink mineral (barite or K-spar?)	192.5 - 194.4 Avg 1% dissem tet tr dissem cpy 5-8% dissem py 194.4 - 196.4 3-4% tet blebs + dissem 1% dissem cpy 3% dissem py	
196.4 to 216.3	"Muddy Tuff"	MGry	FGr	A gradational contact w/ mafic tuff and qtzite interbedded w/ "Muddy tuff" 196.4 - 198.5 the a fgr pyritic-arg matrix w/ 20-30% py finely laminated 198.5 - 208.0 gradually becomes more chert rich w/ 50% gry chert frags 208.0 - 216.3	Bedding 199.2 70° 205.3 80° 215.5 70°	Mafic tuff intense seric alt^{n} + 20% milky QV's 196.4 - 198.5 Silic^{d} zones w/ min/^{zn} 198.5 - 208.0	196.4 - 198.5 1-2% tet blebs in QV's 1% cpy blebs in host rx 5-8% dissem py 198.5 - 208.0 30+% fgr lam + dissem syng py 3-5% dissem lt sp 2-3% cpy blebs 1% tet dissem in silic^{d} zones tr gal in silic^{d} zones 208.0 - 216.3 20% fgr laminated syng py tr cpy, sp(lt) in rare silic^{d} zones	Strong faults w/ clay gouge + broken rock 206.3 - 207.1 207.6 - 208.0 208.8 - 209.2 210.0 - 210.9 Very strong fault w/ sand gouge + broken rock

HOLE NO RG-137

PAGE 4

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
216.3 to 219.8 E.O.H.	Argillite w/ Wackes	Black – MGry	FGr – MGr	- Well laminated arg w/ wacke beds 20-50cm - Wackes massive - Occas chips of mudstone in the arg.	Bedding 218.5 70°	Occas qtz-carb veinlet	15% py bands in the arg.	

HOLE NO RG-132

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5586	188.6	190.1			1.5				2.2	.065						51	37	68					
41.70 → 5587	190.1	191.6			1.5	.215	.12	.06	178	.23									5.19	.007			2.98
5588	191.6	192.5			.9	1.42	6.25	3.30	1650	2.60									48.13	.076			3.18
5589	192.5	194.4			1.9	.017	.01	.02	12.8	.14									0.37	.004			2.82
5590	194.4	195.4			1.0	.364	.04	.02	350	.30									10.21	.009			2.69
5591	195.4	196.4			1.0	.406	.08	.02	318	.47									9.28	.014			2.79
50.69 5592	196.4	198.5			2.1	.272	.06	.03	210	.42									6.13	.012			3.03
5593	198.5	200.0			1.5	.180	.05	.04	82.1	.21									2.39	.006			2.99
57.18 5594	200.0	201.5			1.5	.243	1.14	.51	209	.50									6.10	.015			3.07
5595	201.5	203.0			1.5	1.22	1.40	.46	293	.60									8.55	.018			3.14
5596	203.0	204.5			1.5	.259	.64	.34	113.8	.40									3.32	.012			2.94
5597	204.5	206.0			1.5	.050	.37	.18	24.6	.27									0.72	.008			2.99
5598	206.0	208.0			2.0	.057	.13	.10	17.0	.43									0.50	.013			3.11
5599	208.0	209.5			1.5				19.6	.265						700	1640	1000					
	191.6	203.0			11.4	0.45	0.86	0.41	306.5	0.55									8.94	.016			2.97

HOLE NO RG-132

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ZIPPY PRINT - — BRIDGEPORT, RICHMOND

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT	DEP	ELEV	COLLAR BRNG	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-133			95+84NW	6+30NE		225°	-85°	NQ	212.1

PROJECT	CLAIM #	SURVEY COORDS				DATE STARTED / DATE COMPLETED	CONTRACTOR / CORE STORAGE	CASING
312	REA 1		96+13.9NW	5+97.2NE	1665.6 M	June 8/87 / June 11/87	G+D	PULLED

PURPOSE	RQD LOG / COLLAR SURVEY	PULSE EM SURVEY / MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
25.9	82°			149.7	211°	73°			
93.3	73°			210.6	205°	68°			
159.4	69°								

HOLE NO RG-133

LOGGED BY G. Evans

ZIPPY PRINT BRIDGEPOINT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
to 159.9	Mafic Pyroclastics							N.B. sulphides Gal, Cpy, Sp, Tet in QVs in several zones (no ore widths)

HOLE NO RG-133

PAGE 2

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
159.9 to 168.3	Mafic Tuff	Lt Grn	FGr	-Finely laminated mafic tuff -Dissem + round frags of syng pyrite -Occas 10cm beds of qtzite	Bedding 164M 60°	Intensely pervic. alt^{d} + some silic^{d} zones	15-20% syng py as dissem + frags 168.3 - 168.4 QV w/ selvages w/ min^{l} zn Avg 10% Tet blebs 3-4% Cpy dissem 166.9 - 167.9 QV w/ gash veins w/ tr-1% dissem tet	Strong fault w/ clay gouge and rock chips 162.5 - 162.8M 164.2 - 164.5 Fault w/ clay gouge near vertical 168.2 10cm fault w/ clay gouge + QV
168.3 to 191.0	"Muddy Tuff"	MGry	Fgr	Well laminated w/ a cherty matrix w/ dissem py + bm + occas. avgr mudstone frags ang .5-1.0cm	Bedding 169.4M 181.8M 70°	Some silic^{n}	Avg 20-30% syng py Silic^{d} zones + dissem throughout Avg 1% lt sp tr tet Later QV's milky white =2-3% w/ 1% ga dissem tr tet	174.2 - 174.4 fault w/ clay gouge 178.4 - 179.9 fault zone w/ clay gouge + broken rock 183.0 - 183.2 fault w/ clay gouge
191.0 to 197.2	Wackes + Quartzite	Lt. Gry	MGr - Crse Gr	-Grades from MGr wackes @ top into Crse gr quartzite at the bottom -Well laminated w/ qtzite having qtz gr and ang arg chips to 3mm -small mafic tuff comp in qtzite	195 50°	15% milky white QV's -Sericite alt^{n} to mafic tuff	Avg 1% py blebs	

HOLE NO RG-133

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
197.2 to 212.1 E.O.H.	Mafic Tuff w/ chert	Lt. Grn	FGr Aphan	-Matrix is a mafic tuff w/ beds and rounded 1-2cm chert frags -Occas matrix dominated by avg -a lot of soft sed def^{m} w/ slumping + folding	Bedding 198.5M 65° 209M 70°	-Some silic^{n} by milky Qv's -Intense sericalt^{n} to mafic tuff	Avg 1% dissem py w/ zones up to 10% dissem py.	

HOLE NO RG-133

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	opt ~~PPM~~ Ag	opt ~~PPB~~ Au			SG
BCD 5676	165.3	166.8			1.5				5.3	.095						90	162	109					
5677	166.8	168.3			1.5	.034	.09	.02	20.2	.23									.59	.007			2.84
5678	168.3	169.8			1.5	.610	.52	.64	660	1.95									19.25	.057			2.96
5679	169.8	171.8			2.0	..			72.0	1.40						890	2800	2040	2.10	.041			
5680	171.8	173.8			2.0	.036	.22	.11	46.2	3.50									1.35	0.102			2.87
5681	173.8	175.8			2.0	.11	.60	.34	94.0	1.06									2.74	.031			2.98
5682	175.8	177.8			2.0	.021	.39	.23	24.4	.55									0.71	.016			2.86
5683	177.8	179.8			2.0				39.0	.17						285	1260	990					
5684	179.8	181.8			2.0				15.5	.125						126	640	430					
5685	181.8	183.8			2.0				22.0	.120						205	480	480					
5686	183.8	185.8			2.0	.03	.27	.10	32.2	.24									0.94	.007			2.81
5687	185.8	187.8			2.0				13.3	0.20						215	1100	620					
5688	187.8	189.8			2.0				5.6	.095						162	1550	410					
Averages																							
	168.3	173.8			5.5	0.21	0.32	0.29	223	2.31									650	.067			2.91

58.09
37.50

HOLE NO RG-133

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ZIPPY PRINT — BRIDGEPORT, RICHMOND

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-134						230°	-50°	NQ	204.2
PROJECT 312	CLAIM # REA 1	SURVEY COORDS	96+11.7NW	5+96.5NE	1665.3M	DATE STARTED JUNE 11/87 DATE COMPLETED JUNE 15/87	CONTRACTOR G+D CORE STORAGE		CASING PULLED

PURPOSE

RQD LOG
COLLAR SURVEY
PULSE EM SURVEY
MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
30.1	53°			132.6	219	58°			
104.5	53°			193.5	217°	57°			
138.1	52°								
182.8	54°								
204.2	55°								

HOLE NO RG-134

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0? to 151.1	Mafic Pyroclastics							

HOLE NO RG-134

ZIPPY PRINT® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
151.1 to 162.0	Argillite w/ wackes	Black – MGry	FGr – MGr	60% finely laminated avg beds w/ 10-20 cm wacke beds. -Occas 5cm bed of 80% fgr syng py -slumping indicates tops up hole	Bedding 154.3M 80° 166.7 80°	Some silic^n by milky Qtz Veinlets	Avg. 5% bedded py	Fault zone w/ broken rock + clay gouge 151.1 - 152.3
162.0 to 163.9	Mafic Tuff	Lt Grn	FGr	- Finely laminated mafic tuff w/ occas rounded py frag	Bedding 162.5M 85°	Intense sericite alt^n to mafic tuff	Avg 10% py as veinlets, dissem + frags	
163.9 to 174.9	Argillite	Black	FGr	Finely laminated avg w/ minor mudstone + wacke beds -Occas 80% py bed fgr syng - Slumping indicates tops up hole	Bedding 166.7M 90° 174.0M 85°	rare qtz veinlet	Avg 8% py in fgr beds	
174.9 to 178.5	"Muddy Tuff"	Black	FGr	- An argillite matrix w/ ang chips of chert and mudstone	Bedding 176.0M 70°	5% Qtz-Carb veinlets	1-2% dissem py	

HOLE NO RG-134

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
178.5 to 181.0	Mafic Tuff	Lt Grn	FGr	-FGr well laminated mafic tuff - has 30% Qtz-Carb veins w/ min/zn		Intense seric. altn to mafic tuff -30% Qtz Carb Veins	Qtz-Carb veins avg 5% dissem py 3-5% dissem tet	Fault zone w/ clay gouge 180.6 - 180.8
181.0 to 191.2	"Muddy Tuff"	MGry	FGr	A Well laminated pyritic mud w/ ang. chips and frags of chert -Approx 40% syng. py in the matrix	Bedding 186.0M 70° 190.0M 70°	184.6 - 186.1 large qtz-carb vein	Approx 40% fgr py in matrix (syng)	Strong fault w/ clay gouge + broken rock 186.1 - 186.5
191.2 to 198.1	Chert w/ Avg	Lt Gry - Blk	Aphan FGr	60% chert beds + frags in a avg matrix -Chert beds contorted by soft sed + frags 1-6cm rounded -a slump bx?			Avg 10% py in avg matrix	Avg. is mod conductive
198.1 to 204.2 E.O.H.	Mafic Tuff w/ Chert	Lt Grn	FGr - Aphan	70% well laminated mafic tuff w/ 1cm chert beds and 1-2cm rounded chert frags	Bedding 198.3 65° 204.0 M 70°	-Intense seric altn to mafic tuff -Occas milky white QV	Avg. 5% dissem py in the mafic tuff	

HOLE NO RG-134

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au			
BCD 5689	177.0	178.5			1.5				1.3	0.010						44	91	23	~~[illegible]~~				
5690	178.5	181.0			2.5	.017	.18	.24	4.3	.12													2.86
5691	181.0	184.0			3.0				1.1	0.050 ~~[illegible]~~						25	98	16	~~[illegible]~~				

HOLE NO RG-134

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CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT	DEP	ELEV	COLLAR BRNG	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-135						—	-90°	NQ	248.4

PROJECT	CLAIM #	SURVEY COORDS			DATE STARTED / DATE COMPLETED	CONTRACTOR / CORE STORAGE	CASING
312	REA #1	96+36.6NW	6+72.2NE		JUNE 11/87 / JUNE 15/87	G+D	10 LOI

PURPOSE	RQD LOG / COLLAR SURVEY	PULSE EM SURVEY / MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
72.2	88°								
118.0	85°								
163.1	82°								
205.4	78°								

HOLE NO RG-135

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0? to 180.1	Mafic Pyroclastics							

HOLE NO RG-135

ZIPPY PRINT® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
180.1 to 197.3	Mafic Tuff	Lt. Grn	FGr	- Finely laminated mafic tuff w/ mafic phenos ? - Occas lapilli flattened w/ mafic p's + qtz vesicles	Bedding or Fol^{n} ? 181M 70° 191M 70°	- Intense seric. alt^{n} - Qtz-Carb veinlet flooding w/ qtz-carb knots - Some lam + p's chl. alt^{d}	Avg 1-2% dissem py 181.0-181.2 QV w/ 5% dissem py 2% dissem gal 192.8-195.4 15% py blebs 10% lt sp blebs 5-6% dissem ga 1% dissem cpy in a QV w/ frags of mafic tuff 196.4-196.7 QV w/ 10% py blebs 10% lt sp blebs 5% gal dissem	N.B. a case where maybe alt^{d} mafic pyroclastics Strong fault w/ clay gouge + broken rock + QV 194.2 - 195.4
197.3 to 235.4	"Muddy Tuff"	DkGry	FGr	- A good example of muddy tuff w/ a finely laminated avg-pyritic matrix w/ rounded frags 1-3cm of chert + avg in a slump bx.	Bedding ∥ to Fol^{n} 203.3M 75° 220.5M 65° 235.0M 70°	Occas milky qtz veinlets Some silic^{d} zones w/ min^{zn}	200.2-202.0 5-7% Silic^{d} zones w/ 10% dissem tet 5-6% dissem sp (lt) 10% crse py	198.0-202.0 strong shear zone w/ clay gouge + broken rock Faults w/ clay gouge + broken rock 202.2 - 202.5 206.7 - 207.0

HOLE NO. RG-135

ZIPPY PRINT® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd				197.3 - 229.5 30-40% lam. + dissem syng. py 229.5 - 235.4 60-70% lam. + dissem syng. py (chert content decreases)			202.0 - 220.1 approx 1% silic^d zones 1-3cm w/ 2-3% lt sp dissem 3-6% dissem ga 1-2% dissem tet 1-2% ga dissem 220.1 - 221.8 5% silic^d zones w/ 30% tet veinlets 15-20% lt sp 221.8 - 229.5 1-2% silic^d zones w/ 5% lt sp dissem 2-3% dissem tet 1% ga dissem	
235.4 to 246.2	Qtz Vein in Mudstone	Milky White - lt brn	Aphan - FGr	A milky white QV intruded into a mudstone - Mudstone a well bedded unit of gry-buff beds - QV massive w/ vugs + occas carb patches	Bedding 243M 65°	Some beds have a weak mafic tuff component which is sericite alt^d	Avgs. 5% py blebs otherwise barren	

HOLE NO. RG-135

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ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
246.2 to 248.4 E.O.H.	Argillite	Black	FGr	Finely bedded argillite w/ interbeds of wacke 10cm thick	Bedding 247.8 75°	Occas qtz veinlet	2-3% dissem py.	

HOLE NO. RG-135

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

	Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	~~PPM~~ opt Ag	~~PPB~~ opt Au			Sg
	BCD 5662	191.3	192.8			1.5				1.2	.005						76	215	118					
42.80	5663	192.8	194.2			1.4	.239	6.05	3.86	28.0	.15									.82	.004			3.25
	5664	194.2	195.4			1.2	.167	1.89	1.35	10.2	.08									.30	.002			2.98
	5665	195.4	196.9			1.5				3.2	.015						63	5900	3200					
	5666	200.2	202.0			1.8	.057	.24	.14	26.4	.05									.77	.001			2.82
	5667	218.6	220.1			1.5				81.0	.060						2260	4200	2280					
	5668	220.1	221.8			1.7	.032	.13	.09	10.0	.04									.29	.001			2.91
	5669	221.8	223.3			1.5				22.4	.045						610	2160	560					
	5670	223.3	224.8			1.5				36.0	.050						670	2400	1300					
98.76	5671	235.5	237.0			1.5				1.4	5.9						172	47	26		0.17			
53.90	5672	237.0	238.5			1.5				0.9	4.3						49	19	23		0.125			
24.55	5673	238.5	240.0			1.5				0.2	1.8						17	13	22		0.053			
60.22	5674	240.0	241.5			1.5				0.7	4.5						95	10	11		0.13			
	Averages																							
		192.8	195.4			2.6	0.206	4.13	2.70	19.8	0.12									0.58	.003			3.13
		235.5	241.5			6.0				0.8	4.125									0.02	0.12			

HOLE NO RG-135

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CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT	DEP	ELEV	COLLAR BRNG	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-136						225°	-50°	NQ	81.4M
PROJECT 312	CLAIM # REA 1	SURVEY COORDS	98+54.4NW	6+18.5NE	1541.2M	DATE STARTED JUNE 15/87 DATE COMPLETED JUNE 16/87	CONTRACTOR G+D CORE STORAGE	CASING PULLED	
PURPOSE							RQD LOG COLLAR SURVEY	PULSE EM SURVEY MULTISHOT SURVEY	

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH (M)	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
36.6	49°			79.6	219°	48°			
81.4	48°								

HOLE NO RG-136

ZIPPY PRINT - BRIDGEPORT - RICHMOND

LOGGED BY G. Evans

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 3.1	OVERBURDEN							CASING
3.1 to 15.4	Mafic Pyroclastics	MGrn	FGr	-Lapilli in a fgr mafic matrix -Lapilli rounded + flattened w/ remnant mafic phenos + qtz filled vesicles	Bedding 6M 80°	-Matrix + Lapilli strongly seric. alt^d -5% Qtz veins + veinlets 8.8 - 17.4 fvgct. strongly hematite alt^n	Avg 1-2% dissem py	
15.4 to 51.5	Mafic Tuff w/ chert	Lt Grn	FGr - Aphan	-Matrix consists of finely laminated mafic tuff w/ beds of chert and round chert frags .5-4cm -Some soft sed def^m ie folding of the units	Bedding 23M 85° 38M 80° 50M 80°	-Mafic tuff intensely sericite alt^d w/ some chl. alt^n in bands -5% milky white QV's	5-10% dissem py 2-3% py + chl veinlets	Fault w/ clay gouge + broken rock 31.4 - 31.6 35.2 - 35.3 43.1 - 43.2 50.9 - 51.3
51.5 to 65.7	Qtz. Vein "Silver Zone"	Milky White	Aphan	90% Qtz Vein material injected into Mafic Tuff - Muddy tuff contact -Mafic Tuff w/ chert to 52.9m		Mafic tuff strongly seric. alt^d while the rest silic^d	51.5 - 54.9 1-2% dissem gal. in QV 1% lt sp. dissem in QV tr-1% dissem tet 2-3% dissem py 54.9 - 57.9 5% gal. veinlets in QV 4-5% tet blebs in QV 3-4% lt sp blebs in QV 3-4% cpy blebs + dissem in QV 10% py dissem	-Rock badly broken a fault zone w/ clay gouge @ 54.0 - 54.9 (50% recov.) 59.0 - 61.4 (20% recov) generally 70-80% recovery

HOLE NO RG-136

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
cont'd							57.9 – 65.7 1-2% dissem tet in QV tr-1% cpy blebs 5% dissem py	
65.7 to 81.4 E.O.H.	Muddy Tuff	MGry	FGr	An arg-py matrix w/ 65.7 – 72.0 fgr mafic tuff laminations + round chert frags .5-2.0cm 72.0 – 81.4 Arg-py matrix w/ arg chips .2-.4 cm of arg and chert -some soft sed def^{m}	Bedding 67M 80° 81M 75°	Mafic tuff intense seric. alt^{n} -3-4% Qtz Veinlets	65.7 – 72.0 20% fgr syng. py dissem 72.0 – 81.4 Avg. 60% up to 80% locally syng. py as dissem + laminations	Intense fault w/ clay gouge + graphite 73.5 – 74.0

HOLE NO RG-136

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

here, note switch sorry!

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Rb	% Zn	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	~~PPM~~ opt Ag	~~PPB~~ opt Au			SG
BCD 5651	50.0	51.5			1.5				12.9	0.10						144	152	96					
5652	51.5	53.0			1.5	.279	.13	.12	319	.53									9.3	.015			2.87
5653	53.0	54.5			1.5	.360	1.73	2.63	294	.63									8.58	.018			2.72
5654	54.5	56.0			1.5	.682	5.80	3.10	955	1.37									27.85	.040			3.01
5655	56.0	57.9			1.9	1.64	2.83	3.51	1095	3.13									31.94	.091			2.86
5656	57.9	59.4			1.5	.808	.06	.27	970	2.78									28.29	.081			2.79
5657	59.4	60.9			1.5	.060	.02	.02	71.8	.03									2.09	.001			2.67
5658	60.9	62.4			1.5	.547	.20	.41	585	.92									17.06	.027			2.84
5659	62.4	63.9			1.5	.002	.01	.01	5.8	.05									0.17	.001			3.01
5660	63.9	65.7			1.8	.012	.03	.27	9.7	2.55									0.28	.074			2.72
5661	65.7	67.2			1.5				1.2	0.05						39	43	35					
AVERAGES						Cu	Rb	Pb															
	51.5	62.4			10.9	0.662	1.51	1.59	630.5	1.41									18.4	.041			2.82

HOLE NO RG-136

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ZIPPY PRINT - -- BRIDGEPORT, RICHMOND

CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS
IMPERIAL UNITS

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
RG-137						—	90°	NQ	87.8

PROJECT	CLAIM #	SURVEY COORDS					
312	REA #1		98+46.7	6+14.3	1541.4M	DATE STARTED: JUNE 15/87 DATE COMPLETED: JUNE 16/87	CONTRACTOR: G+D CORE STORAGE: CASING: PULLED

PURPOSE	RQD LOG COLLAR SURVEY	PULSE EM SURVEY MULTISHOT SURVEY

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (M)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
31.4	87°								
87.8	85°								

HOLE NO RG-137

LOGGED BY G. Evans

ZIPPY PRINT - - BRIDGEPORT RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 4.3	OVERBURDEN							CASING
4.3 to 14.8	Mafic Pyroclastics	MGrn	FGr	- Flattened + rounde lapilli in a fgr. matrix - Lapilli have remnant mafic phenos. and occas qtz filled vesicles	Bedding 11M 45°	- Matrix and lapilli intensely seric. alt^{d} + 5% qtz veinlets - 4.3 - 12.0 fractures strongly hematite alt^{d} due to weathering	Avg. 5-8% dissem py.	4.3 - 5.8 strong rubble
14.8 to 47.0	Mafic Tuff w/ Chert	Lt Grn	FGr Aphan.	- Finely laminated mafic tuff w/ chert beds and rounded frags. .5-2.0cm - Some soft sed def^{n} ie slumping + bed contortions + some microfaults - Chert is white	Bedding 17M 45° 39M 45°	- Mafic tuff intensely seric. alt^{d} - 5% silic^{n} by qtz veinlets	Avg. 5-8% dissem py Also 2-3% Py-Chl stringers	10 cm faults w/ clay gouge + broken rock 19.2 M 28.4 M 30.9 M
47.0 to 53.7	Qtz Vein "Silver Zone"	Milky White	Aphan	- A milky QV hosted in mafic tuff + qtzite? - Vein has zones w/ a qtzite appearance and seems to be fault controlled		Intense seric. alt^{n} of mafic tuff + silic^{n}	47.0 - 49.0? relatively barren 2% py, tr cpy, tr gal. 49.0 - 53.7 3-4% blebs of cpy 1-2% lt sp 1-2% gal dissem 3-4% blebs + dissem of tet	Faults w/ strong clay gouge 47.0 - 47.3 51.2 - 51.5 (47.9 - 50.3) only 50% recovery

HOLE NO RG-137

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
53.7 to 60.7	Massive Sulphides "Silver Zone"	Metallic Grey - Brn	FGr - MGr	Finely laminated sulphides =80+% hosted 53.7 - 56.7 in mafic tuff 56.7 - 60.7 in chert	Bedding 56.6 45° 60.5 45°	Silic^{n} + by QV's + silic^{d} zones -Mafic tuff intensely seric. alt^{d}	53.7 - 54.2 80% laminated sulph. in a siliceous matrix 35% dissem Hi sp 35% dissem tet 5% dissem cpy 54.2 - 55.5 80% Sulph. in silic matrix 3-5cm blebs of py 70% 3-4% Hi sp. rimming py 2-3% tet dissem rimming py 1-2% gal rimming py (dissem) 55.5 - 56.7 Milky QV hosted in alt^{d} mafic tuff 10% py blebs 10% blackjack sphal blebs 7-8% Tet blebs min^{l} in the QV 56.7 - 60.7 40-70% finely laminated sulphides in silic^{d} chert 20-30% fgr py (syng) 10-15% Hi sp lam 5-10% fgr tet lam. 5-10% gal dissem	

HOLE NO RG-137

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

PAGE

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
60.7 to 78.5	"Muddy Tuff"	Lt. Gry	FGr – Aphan	- A well laminated pyritic chert w/ fgr syng py laminations 30% -Occas sub ang .5-1.0 cm frag of chert + avg	Bedding 62M 45° 72M 45°	zones silic^{d} w/ min^{lzn}	60.7 – 66.1 30% Silic^{d} zones carrying 10-15% lt sp blebs 10% gal blebs 4-5% tet blebs + dissem 10-40cm bands Avg 40% syng py lam. in the rest 66.1 – 78.5 2-3% silic^{d} bands w/ 10% lt sp blebs 10% tet dissem 5% gal dissem Avg 30% syng py lam throughout 75.2 – 75.3 bed of 80% laminated + crse py	-Maybe better classed as pyritic chert? 62.5 – 62.8 fault w/ clay gouge 75.4 – 75.5 fault w/ broken rock 76.0 – 76.5 fault w/ broken rock + clay gouge
78.5 to 87.8 E.O.H.	Mafic Tuff + Wackes	Lt Grn	FGr – MGr	- Finely laminated mafic tuff w/ interbedded wackes? -Some load casts	Bedding 83M 45°	- Intense seric alt^{n} to mafic tuffs -10% milky QV's x-cutting tuff	10-15% fgr dissem py	Fault zone w/ clay gouge + broken rock 79.8 – 81.5

HOLE NO RG - 137

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

ASSAY SHEET

Sample Number	From (M)	To (M)	Estimate Cu	Estimate Zn	Length (M)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	~~PPM~~ opt Ag	~~PPB~~ opt Au			SG
BCD 5426	45.5	47.0			1.5				4.8	.01						265	35	28					
5427	47.0	49.0			2.0	.02	.01	.01	0.2	.01									.01	.001			2.67
5428	49.0	50.5			1.5	.95	.70	.30	1270	1.80									37.04	.053			2.76
5429	50.5	52.0			1.5	.285	.34	.10	222	.20									6.48	.006			2.78
5430	52.0	53.7			1.7	.50	.77	.21	515	.86									15.02	.025			2.87
5431	53.7	54.2			0.5	12.85	13.6	7.55	19600	21.30									571.67	.621			3.82
5432	54.2	55.5			1.3	2.20	7.6	2.02	2710	6.60									79.04	.193			3.82
5433	55.5	56.7			1.2	.73	2.13	.44	798	1.73									23.28	.050			3.05
5434	56.7	58.5			1.8	.91	4.97	2.95	925	1.44									26.98	.042			3.13
5435	58.5	60.7			2.2	1.53	4.75	3.00	900	1.91									26.25	.056			3.33
5436	60.7	62.2			1.5	.037	.42	.10	14.3	.37									0.42	.011			2.92
5437	62.2	63.7			1.5	.122	2.57	1.20	70.2	.24									2.05	.007			2.89
5438	63.7	65.2			1.5	1.02	3.08	2.29	412	1.07									12.02	.031			3.13
5439	65.2	67.2			2.0	.24	.25	.16	82	.39									2.39	.011			3.01
Averages																							
	49.0	60.7			11.7	1.53	3.55	1.69	1798	2.78									52.5	.081			3.14
	63.7	65.2			1.5	1.02	3.08	2.29	412	1.07									12.02	.031			3.13

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