DRILL HOLE RECORD

Drill Holes CM-7, CM-8, CM-10-15

827590

PROJECT NAME :	Canamera
HOLE NUMBER :	CM-7
LOCATION :	NTS 92 B/13
PROJECT NUMBER :	326
CLAIM NUMBER :	
DATE STARTED (M/D/Y):	05/27/88
DATE COMPLETED (M/D/Y):	05/30/88
DATE LOGGED (M/D/Y):	
UNITS (F/M) :	M

PLOTTING COORDS	
GRID :	MTS Grid.
NORTH :	7+005 .
EAST :	14+48W .
ELEV :	.

ALTERNATE COORDS	
GRID :	
NORTH :	+
EAST :	+
ELEV :	.

COLLAR BRNG	
GRID :	020° ' "
ASTRONOMIC :	020° ' "
COLLAR DIP :	-45° ' "

COLLAR SURVEY (Y/N) :	N
RQD LOG (Y/N) :	N
PULSE EM SURVEY (Y/N):	

CONTRACTOR :	Burwash Enterprises
CORE STORAGE :	6722 Lakes Rd, Duncan, B.C.
CASING :	
PLUGGED (Y/N) :	
HOLE SIZE :	NQ
LOGGED BY :	P.T.B.
START DEPTH :	0
FINAL DEPTH :	194.8

PURPOSE/COMMENTS :

To test a strong VLF anomoly below the Victoria Adit.

DIRECTIONAL DATA: A = Acid Test, L = Light Log, M = Multishot, T = Tropari

DEPTH (m)	TYPE A/L/M/T	ASTRONOMIC AZIMUTH	DIP	FLAG	COMMENTS
73.2	A.		-44	OK	
158.2	A.		-43	OK	

HOLE NO. CM-7

LOGGED BY PTB

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 – 9.1	overburden					<W-Mod Chl, W ep>	+19.1 – 22.0 t <1-2% py>	
9.1 – 43.3	Intermediate Tuff, Xstal Tuff, Ash <I T, Xstal T, A>	Medium green	fine grained	Intermediate tuff, feldspar phyric crystal tuff beds with 2-4% mm feldspars, and finer ashier zones,		weak to moderately chloritic weak epidote alteration of feldspars.	1-2% diss py parallel to foliation	
				Rare quartz eyes, weakly foliated.	14.6 55° (fol)		+14.5 – 15.0 t <5-7% py> 5-7% py as disseminations and large brassy blebs	
				Some greyish green zones with dark reddish hematite spots + weakly silicified. Zones characteristically lighter than surrounding rock, with a distinctive spotty look.	38.6 60° (fol)	Patchy zones with dark redish spots, 1-2% hematite spots	+22.0 – 43.3 t <<1% py>	
								very broken core.
				+16.3 – 17.5 t <M. Dyke, Qtz Vn>				
				Dark green massive chloritic Mafic Dyke with 5-20cm quartz veins.	17.5 80° (contact)			
				37.8m 30cm of sericitic Sand. Tan coloured.				
				+39.0 – 39.8 t <Chl A>		+39.0 – 39.8 t <S Chl>		
				+40.0 – 40.6 t <Chl A>		+40.0 – 40.6 t <S Chl>		
				+43.0 – 43.15 t <Cht> 15cm massive whitish green barren chert.				

HOLE NO _____

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

PAGE 1

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
43.3 – 46.6	Felsic Ash <FA>	light grey greensh grey	Fine grained	V. Fine felsic ash with 2-3% mm quartz eyes in first 1.9m, rare quartz to end of unit. Weakly foliated.	44.2 70° foliation	⊢43.3 – 45.2⊣ <M-Ser, Sil> moderately sericitic Patchy silicified zones could also be cherts and cherty ashes. ⊢45.2 – 46.6⊣ <WSer WChl> Weakly sericitic and weakly chloritic. Interval looks more intermediate in Composition.	<<1-1% py> <<1-1% diss py.	
46.6 – 47.1	Andesitic Ash, chert <And A, T, Cht>	dark green	Fine grained	Massive andesitic ash, rare thin layers with 2-3% epidote altered feldspars. Very thin medium green cherts at top and base of unit.	46.7 80° (bedding)	<Mod Chl, Wep> Moderately chloritic throughout, weak epidote alteration of feldspars.	< <1% py> <1% py parallel to thin cherts at top of unit.	
47.1 – 49.7	Intermediate Tuff, chert <IT, Cht>	Medium green, cream white.	fine grained	Weakly foliated tuff, and minor ash, rare feldspar crystals ⊢48.35 – 49.65⊣ <Cht> Massive, creamy white, weak mottled green chert	49.65 75° contact bedding	<Mod Chl> moderately chloritic throughout.	<1% py.	

HOLE NO 4 CM-7

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
49.7 – 57.8	Felsic Ash <FA>	light green light grey	fine grained	weakly foliated becoming massive towards end of unit. Very fine ash, rare feldspar crystals, <1% <mm qtz eyes. below 55m. minor reddish metallic spots – altered pyrite?	50.7 60° (fol) 52.4 75° Possible bedding	<M Ser> Moderately sericitic throughout	tr py.	
				51.4 – 51.65 <IT> Moderately foliated, medium green intermediate tuff		51.4 – 51.65 moderately chloritic.		
				53.9 – 54.6 <And A> Massive dark green andesitic ash. Thin broken chert along lower contact.		53.9 – 54.6 moderate to strongly chloritic.		
				54.6 – 54.8 silicified or cherty ash.				
				57.5 – 57.7 gougy milled core, distorted foliation.	57.8 70° (contact)			

HOLE NO CM-7

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
57.8 - 61.4	Intermediate Ash <IA>	medium green, light green	fine grained	Massive to very weakly foliated. Tuffaceous layers with 2-3% mm feldspar crystals. First 7cm gouge very chloritic, moderately foliated. 60.6 - 61.4 light grey color, bleaching alteration.		<W-M chl, W Ser> +60.6 - 61.4 t <M Ser, Sil> moderately sericitic, Patchy silicification	tr py. +59.2 - 59.4 t <10% py> 10% py stringer mineralization.	group with Felsic ash of unit Before
61.4 - 66.0	Andesitic Tuff. Xstal tuff <AndT, Xstal T>	Dark green	fine grained	Massive andesitic Tuff, Xstal tuff layers with 5% mm feldspar crystals, and minor andesitic ashes.		<W-mod chl, W-M ep> weak to moderately chloritic throughout, weak to moderate epidote alteration of feldspars. Rare epidote Patches.	<<1-1% py> <1-1% diss py. +62.5 - 62.6 t <15% py, 1% cpy> 15% coarse brassy pyrite with 1% cpy.	

HOLE NO CM-7

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
66.0 - 80.2	Intermediate to Felsic Ash <I-F A>	light greyish green.	fine grained,	weakly foliated, fairly homogeneous ash. Patches with distorted foliations. minor silicified or cherty ashes. Rare feldspar and quartz grains. 73.2 - 73.6 and 73.8 - 74.35 massive pyrite stringers. +77.9 - 79.5t <And T> medium green, massive andisitic tuff with 2-3% mm epidote altered feldspars.	69.0 70° (fol)	<W Chl - W Ser>	<1% Py> 1% disseminated pyrite and rare mm stringers. +73.2 - 73.6t <70% Py> 70% massive coarse brassy Pyrite +73.8 - 74.35 <85% Py> 85% massive coarse brassy pyrite.	
80.2 - 87.2	Andesitic crystal Tuff <And xstal T>	medium to dark green	fine grained,	5-10% mm epidotized feldspar crystals and 1-2% 1-2cm epidote balls (possibly altered fragments) in an andesitic tuff groundmass. Massive, 80.3 - 80.5 milled and gougy core.		<W Ch, M ep> weakly chloritic throughout, moderate epidote alteration of feldspar crystals.	<1-2% Py> 1-2% finely disseminated pyrite, rare 5mm blebs,	

HOLE NO CM-7

PAGE 5

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
87.2 – 89.0	Intermediate Tuff <IT>	medium green	fine grained.	3-5% ≤mm feldspar crystals and rare quartz grains. Very weakly foliated. 87.2-88.1 very poor recovery, <15%. 88.1 4cm milled gougy zone, Sharp lower contact.	88.1 70° (fault) 89.0 80° (contact)	<M Chl, w ep> moderately chloritic throughout, weak epidote alteration of feldspars	+87.2 – 88.1t <2-3% py> 2-3% finely disseminated pyrite +88.1 – 89.0t <1% py> 1% disseminated py.	Could be end of andesite unit.
89.0 – 95.45	Intermediate to Felsic Ash and Tuff. <I-FA,T>	light grey light greenish grey.	fine grained.	Light grey and greenish grey feldspar phyric intermediate ash and tuff mixed with more felsic looking light grey ash. Feldspar phyric zones – 2-3% ≤mm epidotized feldspars Some cherty ash zones or patchy silicification. Weak – moderately foliated, Patchy zones below 94m with distorted foliations, and weakly milled.	90.3 40° (fol) 94.1 55° (fol)	<w-mod Ser, w chl, w ep> Weak to moderately sericitic, weakly chloritic, weak epidote alteration of feldspars. +94.0 – 95.45t <M-S Ser> increased sericite alteration down unit becoming moderate to strongly sericitic below 94.0m.	+89.0 – 92.5t <3-5% py, tr cpy> 3-5% disseminated py and thin qtz py stringers. 89.6-89.9 7-10% py stringers with minor quartz veining. +93.1 – 95.45t <1% py> 1% finely disseminated pyrite.	pseudofragmental look

HOLE NO CM-7

PAGE 6

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				92.5 – 93.1 t <Chl A> Fine grained, dark green chloritic mafic ash. sharp lower contact,	92.5 55° (Contact) 93.1 65° Contact 95.45 55° (contact)	92.5 – 93.1 t <M-S Ch> moderate to strongly chloritic.	92.5–93.1 3% finely disseminated pyrite.	
95.45 – 95.7	Fault Gouge, Argillite <Fault, Arg>	Dark grey.	V. fine grained	100% grey clay gouge = clay altered argillite. weakly evident layering (original laminations or shearing) towards base of unit. Sharp lower contact	95.6 50° (Fol shearing) 95.7 55° (contact)	<100% clay gouge>	<1% visible fine pyrite	
95.7 – 98.3	Diorite <Dior>	medium green	fine grained	3-4% white, mm ragged feldspars in a fine grained ground mass.			—	

HOLE NO CM-7

PAGE 7

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
98.3 – 103.6	QFP Flow <QFP Flow>	light grey greenish grey.	Fine-medium grained.	7-10% 2-4mm whitish blue quartz eyes and 3-5% tannish green 1-2mm feldspars in a fine grained felsic groundmass. Fairly massive becoming weakly foliated towards base of unit. Sharp lower contact.	103.6 45° contact.	<W Chl, W+M Ser, Sil> weak chlorite sericite alteration of groundmass. moderate sericite alteration of feldspar grains. 98.3 – 102.3 silicified	tr cpy in last 60cm.	
103.6 – 118.8	Andesitic Ash, Tuff, Chert <And A, T, Cht>	medium to dark green	Fine grained	103.6 – 104.5 Dark green andesitic ash. 103.6 – 104.1 argillaceous wisps, and argillaceous rich ash. 104.5 – 110.8 Andesitic Tuff and Crystal Tuff: crystal rich layers with 10-15% mm feldspars. Minor zones with 3% 2-3cm epidote balls (fragments?) 110.8 – 118.8 Andesitic Ash and light green, medium green chert. Cherts occur as brecciated fragment, brecciated beds and intact beds. Rare patches with epidote balls and feldspar crystals.	112.3 45° (bedding) 117.8 55° (bedding)	<W-M Chl, W ep> weak to moderately chloritic throughout. Weak epidote alteration of feldspars.	<tr py> trace diss py. Rare areas with 1% py. +103.6 – 104.0t <5% py> 5% fine dark py within argillaceous layers. 1% brassy py. +111.2 – 111.9t <5% py 1% cpy> 5% brassy coarse py, minor dark fine py and 1% cpy, disseminated and as thin stringers parallel to foliation. +118.65 – 118.8t <2-3% FS> 2-3% very fine sulfides (probably py) within argillite layers.	Getting weak mineralization at break between Andesitic unit and QFP Tuff.

HOLE NO CM-7

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				118.6 - 118.8 argillite layers mixed with andesite ash. 1.5cm thick argillite at very base of unit.	118.8m 45° (contact bedding)			
118.8 - 191.9	QP Tuff, Felsic Ash <QPT, FA>	light grey greenish grey.	fine grained.	1-3% mm clear quartz eyes, rare patches with mm feldspars. Weakly foliated. +118.8 - 119.5+ <QPT, Arg> QP Tuff with argillite wisps and laminations. +122.5 - 124.5+ <F-I QPT> Medium green, weakly foliated more intermediate looking unit, <1% dark quartz eyes, Different unit or same unit with greater groundmass alteration.	120.8 60° (fol) 122.5 55° (contact) 127.6 45° (fol)	+118.8 - 129.0+ <M Ser> moderately sericitic throughout. +122.5 - 124.5+ <M-S Chl> Moderate-strongly Chloritic throughout	<<1 - 1% py> <1 - 1% disseminated pyrite. rare mm stringers parallel to foliation. +118.8 - 119.5+ <2-3% py> 2-3% pyrite disseminated parallel bedding. +122.5 - 124.5+ <2-3% py> 2-3% disseminated pyrite parallel to foliation. +124.5 - 126.4+ <3-4% py> 3-4% disseminated pyrite parallel to foliation.	Stringer Zone.

HOLE NO CM-7

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				+129.0 - 147.8 + <F-I QPT> Fine grained, medium grey more intermediate looking tuff. 1-2% dark quartz eyes. spotty white appearanc, possibly carbonate alteration. weakly foliated. 129.0 - 129.3 Dark grey argillaceous wisps at upper contact of interval. 132.0 - 132.3 quartz vein with brassy py 133.5 possible bedding from light grey medium grey tuff contact 170.1 - 188.1 mottled silicified look, result of alteration. moderately foliated. 180.3 - 180.8 very cherty looking. mod. brecciated. +187.8 - 188.1 + <Qtz Vn>	129.0 40° (contact) 133.5 45° bedding. 143.6 45° (fol) 173.6 50° (fol)	+129.0 - 147.8 + <M chl> Moderately chloritic throughout +147.8 - 170.1 + <w-m ser, w chl> weak to moderate sericite and weak chlorite alteration. +170 - 188.1 + <m-s ser, sil> moderate to strongly sericitic. Patchy brecciated silicified layers?/zones.	+129.0 - 133.5 + <1-2% py> 1-2% disseminated pyrite parallel to foliation. Locally 2-3% py. +132.0 - 132.3 + <30% py> quartz vein with 30% course brassy pyrite. +133.5 - 147.8 + <<1-1% py> 144.3 m 7cm gougy pyrite stringer w/ 30% brassy pyrite. +176.5 - 181.5 + <1-3% Py> 1-3% disseminated pyrite parallel to foliation. +187.8 - 188.1 + <10% py> 10% brassy py stringers	

HOLE NO CM-7

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				Sharp lower contact.	191.9 55° (Contact)	+188.1-191.9 < W Ser W Chl > weak sericite chlorite alteration.		
191.9 – 194.8 E.O.H.	Chloritic Ash < Chl M A >	dark green	fine grained	Weakly foliated mafic ash. rare very fine ashy and cherty ash laminations at 194.6.		< M-S Chl > moderate to strongly chloritic.	< <1-1% py > <1-1% disseminated pyrite. very fine pyrite in ashy laminations @ 194.6m.	

HOLE NO CM-7

PAGE 11

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

plotted

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 Ag	PPB Au	ppm Ba		
BCD 9236	73.2	73.6			0.4											148	37		1.6	10	680		
9237	73.8	74.35			0.55											187	26		1.5	30	840		
9238	95.45	95.7			0.25											320	275		1.5	5			
9239	103.55	104.0			0.45											390	128		0.6	5	2900		
9240	111.2	111.9			0.7											3300	320		2.9	10			
9241	118.6	119.5			0.9											240	119		1.0	10	790		
9242	129.0	129.3			0.3											87	215		1.2	5			
9243	131.9	132.3			0.4											645	36		1.3	5			
BCD 9244	187.8	188.1			0.3											495	24		1.0	5			

HOLE NO CM-7

PAGE 12

ZIPPY PRINT - - BRIDGEPORT, RICHMOND

LITHOGEOCHEMISTRY

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES SiO_2	Al_2O_3	CaO	MgO	Na_2O	K_2O	Fe_2O_3 ~~FeO~~	MnO_2	TiO_2	Ba% ~~P_2O_5~~	TRACE ELEMENTS ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	As ~~Rock Type~~ ppm	Sb ~~Alt~~ ppm	Sr ~~Min~~ %	Zr ~~Grid~~ %	Total %
BCD 11001	21.0	24.0	64.93	15.49	1.95	1.62	4.00	1.61	4.60	0.25	0.33	.069	30	111	33	1.7	5	20	4	.02	.012	95.67
Intermediate Tuff:			W-M chl, Wep, 1-2% py.																			
BCD 11002	52.0	55.0	72.04	13.69	0.88	1.95	1.95	2.64	2.56	0.13	0.20	.104	22	64	26	2.2	15	23	4	.01	.012	96.28
Felsic Ash:			M Ser, Wchl. tr py. <1% quartz eyes.																			
BCD 11003	69.0	71.0	70.04	13.77	0.93	1.31	2.38	2.47	4.00	0.08	0.28	.096	6	37	20	2.5	5	23	4	.01	.012	96.64
Intermediate to Felsic			Ash: WChl, WSer, 1% diss py.																			
BCD 11004	90.0	92.0	67.06	14.48	1.35	1.10	1.30	3.32	5.17	0.06	0.34	.151	97	33	11	2.8	25	25	4	.01	.011	96.49
Intermediate to Felsic			Ash and Tuff W-M Ser, 3-5% py, tr cpy.																			
BCD 11005	112.5	115.5	48.91	18.36	6.38	5.10	3.92	0.40	8.98	0.48	0.68	.064	101	226	21	1.4	5	13	5	.03	.006	93.77
Andesitic Ash + Chert: W-M Chl.																						
BCD 11006	140.0	143.0	56.15	15.97	0.86	6.56	3.44	0.52	8.03	0.38	0.66	.026	192	128	26	0.3	15	12	7	.01	.009	93.79
Felsic to Intermediate QP Tuff: M Chl.																						
BCD 11007	176.5	179.5	72.17	12.77	0.38	1.28	0.80	2.78	4.16	0.05	0.16	.160	57	39	8	2.5	5	23	4	.01	.009	96.54
QP Felsic Tuff:			M-S Ser, Well fol, 1-3% py.																			
BCD 11008	192.0	194.8	52.92	18.76	0.75	6.16	3.28	1.41	8.70	0.23	0.74	.086	1	116	30	1.0	5	19	7	.01	.009	94.30
Chloritic Mafic Ash.			M Chl, <1-1% fine disseminated pyrite.																			

Hole No. CM-7 Entered by _____ Logged by PTB Page No. 13

DRILL HOLE RECORD

PROJECT NAME :	Canamera
HOLE NUMBER :	CM-8
LOCATION :	NTS 92 B/13
PROJECT NUMBER :	326
CLAIM NUMBER :	Victoria
PLOTTING COORDS — GRID :	MTS Grid
NORTH :	6+68 S
EAST :	15+52 W
ELEV :	202m
COLLAR BRNG — GRID :	020° ' "
ASTRONOMIC :	020 ' "
COLLAR DIP :	-45 ' "
CONTRACTOR :	Burwash Enterprises
CORE STORAGE :	6722 Lakes Rd, Duncan B.C.
CASING :	6.7 m
PLUGGED (Y/N) :	
HOLE SIZE :	NQ
PURPOSE/COMMENTS :	to test a VLF anomaly 100 meters west of the Victoria showing.

DATE STARTED (M/D/Y):	05/30/88
DATE COMPLETED (M/D/Y):	06/02/80
DATE LOGGED (M/D/Y):	
UNITS (F/M) :	M
ALTERNATE COORDS — GRID :	
NORTH :	+
EAST :	+
ELEV :	.
COLLAR SURVEY (Y/N) :	N
RQD LOG (Y/N) :	N
PULSE EM SURVEY (Y/N):	
LOGGED BY :	GSW
START DEPTH:	0
FINAL DEPTH:	227.1m

DIRECTIONAL DATA: A = Acid Test, L = Light Log, M = Multishot, T = Tropari

DEPTH (m)	TYPE A/L/M/T	ASTRONOMIC AZIMUTH	DIP	FLAG	COMMENTS
61.3	A		-45°	OK	
133.2	A		-44°	OK	
205.7	A		-43°	OK.	

HOLE NO. CM-8

LOGGED BY GSW

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0-6.7	overburden <OB>							
6.7-19.5	Mafic Ash, Chert <MA, CHT>	green to greyish green	f.gr.	- massive ash beds with cherty interlayers. - locally have 3-5% weakly epidotized fsp crystals. - Chert layers are well-bedded - 1cm to 0.1m thick with larger zones noted below: {12.1-12.9} <CHT> {15.2-16.2} <CHT> contact marked by fault gouge	15.8m - 50° (bedding)	<Wep> - weak epidote in ashy layers.	<tr. py> - tr. py in veinlets.	
19.5-43.8	Felsic Ash, Tuff Andesite Crystal Tuff <FA, AndT>	grey with dark green andesite layers.	f.gr.	interbedded felsic ash and tuff and andesitic crystal tuff with 1-2% weakly epidotized fsp crystals. andesitic crystal tuff beds at: {23.2-26.5} <AndT> {27.2-27.7} <AndT>. {34.4-35.2} <AndT> {36.25-36.9} <AndT>	36.25 - 55° 36.9 - 80° (bedding)	- felsic ash, tuff generally unaltered - may be weakly silicified has cherty look locally - this may be a primary feature - andesitic tuff - feldspar crystals - weak epidote	{23.2-26.5} <1-2% py>.	

HOLE NO CM-8

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
43.8 - 51.05.	Pyroxene and Feldspar-rich Crystal Tuff <MT, Pyr, FP>	green	mgr.	- generally massive with the odd ashy layer. - 3-5% epidotized fsp crystals - 3-5% dark green, equant (2-3mm across) pyroxene crystals. 1-2% epidote-rich fragments (2-3cm x 1-2cm).		<W ep>	<tr - 1% py>. - occurs as disseminations and c.gr. stringers.	
51.05 - 80.8	Felsic Flow? Tuff with interbeds of Andesite Crystal Tuff <FF?, FT, AndT>	greenish grey to grey	f-mgr	- felsic rocks, massive to weakly foliated. - Andesitic crystal tuff layers at: +62.3 - 64.4t <And T>. +69.1 - 74.8t <And T>. - 1-2% epidote patches. +76.45 - 77.0t <MAsh, chl> - fault gouge associated with this zone. +79.3 - 79.7t <MAsh, chl> +79.9 - 80.8t <And T>.	78.0m - 45° (fol^{n})	generally unaltered. - Andesitic crystal tuff - fsp crystals - weak epidote - tr. hematite specks locally.	+51.05 - 51.5t <5% py>. - py occurs as m-cgr blebs associated with qtz-carb veins.	

HOLE NO CM-8

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
80.8-81.05	Chert <CHT>	grey	f.gr.	bedding irregular			<5% py> - occurs as fine beds	- South L-T horizon?
81.05-82.7.	Felsic Flow <FF>	grey	f-mgr.	quartz porphyritic immediately underlying above unit. - grades into v.fgr. massive unit. - lower contact marked by blocky core		<W chl> - chloritic occurs as stringers within zone.	<tr. py> - occurs as stringers.	
82.7. 87.0.	Intermediate Ash <IAsh>	grey	v.fgr.	- massive.		<W chl, 1-2% carb v's> - weakly chloritic with 1-2% carb. veins.	<3-5% py>. - pyrite occurs as v.fgr. disseminations within unit. - almost like a pyritic mud.	does this correlate with our Intermediate Ashes + interbedded cherts seen as the footwall to the S Lenora-Tyee Zone?
87.0-93.75.	Felsic Ash <FAsh>	light grey	f.gr.	- well foliated but foliation crenulated. - minor fault gouge within this unit. - f.gr ash, locally has a cherty look.	88.0m - 60° (fol^{n}).	<W ser, chl>	<1% py> - py. occurs as disseminations and stringers. - generally parallel to fol^{n}.	

HOLE NO CN-8

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
93.75 - 106.1	Intermediate Ash, minor Chert? <IAsh, CHT?>	grey.	f.gr.	massive to weakly foliated. - possibly some minor chert intermixed with ash. †96.0 - 97.4† <FAULT> - fault gouge and blocky core †103.3 - 106.1 † <FAULT> - chloritic gouge zone gives unit a fragmental look - bottom 0.2m of gouge zone = dark grey / black mud		<Wchl> - weakly chloritic. 1% carb veinlets.	<tr- 1% py>. - tr- 1% v.fgr py as disseminations and stringers †102.8 - 106.1† < 5% py> - 5% py as disseminations + the odd rounded fragment in fault zone.	
106.1 - 115.2	Felsic Lapilli Tuff / Flow <FLT, FF?>	greenish grey.	f.gr.	- unit has fragmental look - fragment boundaries are poorly defined. - lapilli tuff or flow breccia? - unit well-foliated.	108.3 - 50° (fol=)	<Wchl> - matrix between fragments is weakly chloritic.	†108.15 - 108.6† <2-3% py> - 2-3% f.gr. pyrite as stringers parallel to foliation.	
115.2 - 119.5.	Intermediate to Mafic Ash <I-Mash>	dark grey	v.f.gr.	massive to weakly foliated.		<W-Mchl>	<1-2% py> - 1-2% v.f.gr. disseminated pyrite.	

HOLE NO CM-8.

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
119.5- 131.3	Felsic Tuff/ Lapilli Tuff <FT, FLT>	grey.	f-mgr.	massive to weakly foliated. 1-2% f.gr. grey fragments in matrix of same composition		<W chl> -weakly chloritic.	<tr. py>	
131.3- 131.7	Pyritic Felsic Tuff <FT, Py>	light grey	f.gr.	- well-foliated. - sulphides parallel to foliation - interbedded with cht and qtz vein.	131.5m-50°	Siliceous.	<10-15% py> - sulphides m-cgr- look more like stringer-type mineralization.	
131.7- 132.2	Mud Flow/ Fault gouge. <Mud, Fault>	dark greenish grey.	f-mgr.	- pyrite fragments (2-3mm diameter), qtz-carb vein fragments set in f.gr. dark greenish-grey to black mud - possibly argillite?		<W chl> - chloritic wisps.	<1-2% py> - occur as fine disseminations and fragments.	
132.2- 211.65.	Felsic Flow Tuff? <FF, FT?>	greenish grey.	f.gr.	- massive to weakly foliated featureless. - possibly a flow - aphyric.		<W ser-chl> - weak sericite-chlorite alteration gives unit a mottled and pseudo-breccia look. - looks quite siliceous locally. qtz veins at: +135.5-135.9+ <qtz vein> +136.0-136.9+ <qtz vein> +137.2-137.5+ <qtz vein>	+135.5-135.9+ <tr-1% py> +136.0-136.9+ <1-2% py> +137.2-137.5+ <3-5% py>	

HOLE NO CM-8

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
					162.25 - 50° (fol$^{\underline{n}}$).		+162.25 - 162.4+ <10-15% py> - py occurs as stringers parallel to foliation.	
					170.0m - 60° (fol$^{\underline{n}}$).			
							+178.1 - 178.6+ <25% py>. - m.gr. py in qtz vein and as stringer type mineralization	
				+185.3 - 211.65+ < FP> 1-2% feldspar crystals with the odd qtz crystal.	192.5m - 65° (fol$^{\underline{n}}$).	+185.3 - 211.65 + <Mchl> - unit becoming moderately chloritic - does not look as siliceous, loses mottled look		
					201.0m - 55° (fol$^{\underline{n}}$).		207.85 - 207.95 - py stringer 10-15% py - associated with q.v.	
211.65 - 220.9	Intermediate tuff / Ash <IT, IAsh>	greenish grey	f.gr.	weakly foliated. - locally have 10% mm sized fsp crystals.	213.0 - 80° (fol$^{\underline{n}}$)	<patchy M-Schl> - patches are moderately to strongly chloritic.	+211.65 - 212.05+ <5% py> - py in q.v - stringer-type mineralization.	
					219.0m - 85° (fol$^{\underline{n}}$).			

HOLE NO CM-8

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
220.9-225.8	QP Tuff <FT, QP>	light grey	f.gr.	quartz porphyritic tuff 5% mm-sized quartz crystals. - unit weakly foliated.		relatively unaltered.	none.	
225.8 - 227.1 EOH	Intermediate Ash, Chert <IAsh, CHT>	dark grey	f.gr.	interbedded ash and light grey chert.		<W-M chl> - ashy parts are weakly to moderately chloritic.	< 1% py> - v.fgr. disseminated pyrite.	

HOLE NO CM-8

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	Ba ppm		
BCD 11026	51.05	51.5			0.45											665	62		0.9	5			
11027	80.8	81.05			0.25											290	14		1.6	100	1920		
11028	85.5	87.0			1.5											31	68		0.9	5	1000		
11029	102.8	104.3			1.5											72	151		1.0	5	950		
11030	104.3	106.1			1.8											195	240		0.8	10	810		
11031	108.15	108.6			0.45											17	118		0.2	5			
11032	131.3	131.7			0.4						2183ppm Cu, 1672ppm Zn, 1.6ppm Ag					3300	2650		1.8	20			
11033	131.7	132.2			0.5									14ppb Au		1290	890		1.5	10			
11034	135.5	136.9			1.4											52	76		0.3	10			
11035	137.2	137.5			0.3											59	38		0.2	5			
11036	178.1	178.6			0.5											1300	43		1.9	5			
11037	211.65	212.05			0.4											106	55		0.8	5			

HOLE NO. CM-8

PAGE 8

ZIPPY PRINT • — BRIDGEPORT, RICHMOND

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES SiO_2	Al_2O_3	CaO	MgO	Na_2O	K_2O	Fe_2O_3 ~~FeO~~	MnO_2	TiO_2	Ba% ~~P_2O_5~~	TRACE ELEMENTS ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	As ~~Rock Type~~ ppm	Sb ~~Alt~~ ppm	Sr ~~Min~~ %	Zr ~~Grid~~ %	Total %
BCD 11014	27.7	31.7	66.33	13.91	1.60	2.50	2.93	1.76	3.65	0.21	0.30	.073	112	120	38	0.7	5	6	16	.01	.011	93.78
Felsic Tuff - tr. py.																						
11015	45.2	48.2	51.88	16.23	7.11	6.15	3.34	0.12	9.32	0.41	0.62	.008	146	74	28	0.3	5	10	15	.03	.006	95.51
Pyroxene and Feldspar-phyric Tuff, weak ep, tr-1% py.																						
11016	89.0	92.0	64.53	14.23	0.74	3.04	2.09	1.99	5.47	0.14	0.37	.072	53	182	34	0.2	10	1	23	.01	.010	94.07
Felsic Ash, weak ser-chl, 1% py.																						
11017	116.3	119.2	56.70	16.74	1.38	5.00	3.41	0.88	8.96	0.27	0.58	.050	3	78	27	0.5	5	8	3	.02	.010	95.63
Intermediate - Mafic Ash, W-M chl, 1-2% py.																						
11018	123.4	126.3	71.43	13.04	0.57	2.52	2.34	1.56	3.88	0.09	0.28	.075	7	48	15	1.0	5	5	8	.01	.010	96.88
Felsic Tuff/Lapilli Tuff - w chl tr py																						
11019	166.1	169.2	73.03	13.24	0.34	1.23	4.15	1.23	1.82	0.06	0.15	.170	7	49	20	1.0	5	8	9	.01	.009	96.56
Felsic Flow/Tuff - w ser-chl-sil.																						
11020	215.1	218.1	62.30	16.08	1.68	4.13	2.58	1.67	4.96	0.21	0.35	.086	2	105	35	0.2	5	9	3	.02	.012	94.48
Intermediate Tuff - M-S chl.																						

Hole No. CM-8 Entered by _____ Logged by _____ Page No. 9

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

DRILL HOLE RECORD

PROJECT NAME : Canamera	DATE STARTED (M/D/Y): 06/05/88
HOLE NUMBER : CM-10	DATE COMPLETED (M/D/Y): 06/07/88
LOCATION : NTS 92 B/13	DATE LOGGED (M/D/Y):
PROJECT NUMBER : 326	UNITS (F/M) : M
CLAIM NUMBER : Victoria	

PLOTTING COORDS		ALTERNATE COORDS	
	GRID : MTS		GRID :
	NORTH : 7+40S		NORTH : +
	EAST : 13+20W		EAST : +
	ELEV : 252		ELEV :

COLLAR BRNG			
	GRID : 020°	COLLAR SURVEY (Y/N) : N	
	ASTRONOMIC : 020	RQD LOG (Y/N) : N	
	COLLAR DIP : -45°	PULSE EM SURVEY (Y/N) : N	

CONTRACTOR : Burwash Enterprises Ltd	LOGGED BY : GSW
CORE STORAGE : 6722 Lakes Rd, Duncan	START DEPTH : 0
CASING : 9.3m	FINAL DEPTH : 190.7 m
PLUGGED (Y/N) :	
HOLE SIZE : NQ	

PURPOSE/COMMENTS : to test a VLF anomaly associated with a contact between andesitic crystal tuffs and felsic tuffs, 100 meters E of the Victoria showing.

DIRECTIONAL DATA: A = Acid Test, L = Light Log, M = Multishot, T = Tropari

DEPTH (m)	TYPE A/L/M/T	ASTRONOMIC AZIMUTH	DIP	FLAG	COMMENTS
27.4	A		-44°	OK	
152.4	A		-42°	OK	

HOLE NO. CM-10

LOGGED BY GSW

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 - 9.3	overburden <OB>							casing.
9.3 - 54.2.	Intermediate Crystal Tuff <IT, FP>.	greenish grey	f-mgr.	- weakly foliated. - feldspar-phyric layers (5-10%) interbedded with more ashy layers - tr. qtz crystals.	27.0m - 70° (fol^{n}).	<Wchl, ep> - feldspar crystals - weak epidote; matrix is weakly chloritic	<tr - 1% py>. - py occurs as disseminations and stringers.	
54.2. - 81.6.	Felsic Ash/ Tuff <FA, FT>	greenish grey to light grey.	f.gr.	weakly foliated. 54.2 - 65.2. unit has a siliceous/cherty look. 65.2 - 81.6 3-5% mm-sized, weakly epidote feldspar crystals. fault gouge at: 76.05 - 76.2 79.6 - 81.2	62.0m - 65° (fol^{n}).	<Wep> +65.2 - 81.6+ <Wser, ep> - feldspar crystals - weak epidote; matrix is weakly sericitic	<tr. py>	
81.6 - 83.25.	<Fault> /	green to dark grey		- fault gouge. 81.6 - 82.4 - dark green in colour with 1 or 2 pyrite ± cp fragments. 82.4 - 83.25. - 5-10% grey chert fragments in dark grey to black matrix - argillitic			+82.4 - 83.25+ < 3-5% py>. - 3-5% fgr. py in matrix + as fine disseminations in fragments.	looks similar to "MudFlow" in MTS-56.

HOLE NO CM-10

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

PAGE 1

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
83.25 - 87.3.	Felsic Tuff <FT>.	grey	f-mgr.	foliated - f.gr. ash with the odd siliceous patch and qtz crystal. 83.25 - 84.0 - 1% argillite wisps parallel to fol^{n}. - lower contact sharp.	83.9m - 60° (fol^{n}).	<W - M ser> - weakly to moderately sericitic.	<tr. py>.	
87.3 - 113.5	Mafic to Intermediate Ash/Tuff <M-I Ash, T>	dark grey to green	f-mgr.	f.gr ashy beds interlayered with layers that have 1-2% qtz crystals - have fine wisps (<1.0cm wide) of argillite and v. fgr. sulphides (py) occurring throughout unit. +94.65-97.3+ <DIOR> - f-mgr. diorite, feldspar-porphyritic in center with f.gr. chl-carb chilled margins. +111.3 - 113.5+ <1-2% CHT FRAGS> - 1-2% chert fragments - angular - up to 1cm across	88.0m - 50° (fol^{n}). 104.2 - 50° (bedding/fol^{n})	<M-Schl> - ashy layers are strongly chloritic; more intermediate tuffs are moderately chloritic.	< 5% py> - py occurs as v. fgr. disseminations and blebs throughout unit. - v. fgr. py looks syngenetic - distinct from c.gr. stringers +103.05 - 103.7+ <10% py> - 10% py blebs in chloritic zone - dark green metallic mineral = sph?? or v. fgr. py.	-

HOLE NO CM-10

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
113.5-118.9	QP Tuff. <FT, QP>	light grey	f.gr.	well-foliated. -5% mm-sized quartz crystals.		<M ser> -moderately sericitic.	<tr. py> -tr. diss py; py stringers as noted below. †116.55-116.8† <20-25% py> - c.gr. py in stringer.	
118.9-120.3	Pyritic Mud/ Chert. <Py Mud, CHT>	brownish grey to grey	v.f.gr.	well-bedded mud with chert fragments and cherty layer at 119.3-119.5 -contact with above unit & chert irregular. lower -contact sharp.	120.0m-50° (bedding).		<5% py> - v.f.gr. pyrite associated with sediment.	- possible horizon - North or South?
120.3-162.7	Felsic Tuff. <FT>.	greenish grey	f.gr.	foliated. - cherty layers - alteration or primary feature? †132.15-132.55† <M dike> f.gr mafic dike	124.0m-60° (fol^{n}). 151.0m-50° (fol^{n}).	<W-M chl, patchy sil> -weak to moderate chlorite; patchy silicified areas. sulphide-rich qtz veins at 157.7-157.9 158.5-159.3	<1% py> - py as disseminations. †157.7-157.9† <5% py> †158.5-159.3† <10-15% py>.	

HOLE NO CM-10.

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
162.7 - 183.7	Diorite <Dior>	green	mgr.	- chilled margins - edges of diorite f.gr - chl- carb - rich. - center is fsp. porphyritic 5-10% "ragged" fsp crystals - unit massive.	183.7 - 75° (contact)	chl-carb margins. fsp crystals - weak epidote	none.	
183.7 - 190.7 EOH.	Felsic Tuff <FT, QP>	grey	f.gr.	- massive to weakly foliated. - 5% mm-sized, rounded qtz crystals.		<W chl, ser>	<tr-1% py> - occur as e.gr. blebs in stringers	

HOLE NO CM-10

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		plotted	GSW
BCD 11040	81.6	82.4			0.8					S ZONE						630	125		0.9	10			
11041	82.4	83.25			0.85					473ppm Cu, 116ppm Zn, 0.8ppm Ag. 7ppb Au						325	107		0.7	5			
11042	83.25	84.0			0.75											475	56		0.6	5			
11043	88.2	89.7			1.5											410	185		1.0	5			
11044	89.7	91.2			1.5											670	265		1.4	5			
11045	93.6	94.65			1.05											94	143		1.1	10			
11046	103.05	103.7			0.65											68	220		1.1	5			
11047	118.9	120.3			1.4					N ZONE						64	355		0.9	5			
11048	158.5	159.3			0.8											39	121		0.4	5			

HOLE NO. CM-10

PAGE

ZIPPY PRINT - BRIDGEPORT, RICHMOND

LOGGED BY GSW

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES SiO_2	Al_2O_3	CaO	MgO	Na_2O	K_2O	Fe_2O_3 ~~FeO~~	MnO_2	TiO_2	Ba % ~~P_2O_5~~	TRACE ELEMENTS ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	As ~~Rock Type~~ ppm	Sb ~~Alt~~ ppm	Sr ~~Min~~ %	Zr ~~Grid~~ %	Total %
BCD 11021	35.1	38.1	66.24	15.91	1.54	2.21	3.99	1.56	4.75	.24	.33	.083	4	7	7	2.1	10	2	2	.02	.014	97.17
Intermediate Tuff - Wchl-ep - tr-1% py																						
11022	70.7	73.8	65.41	15.62	1.92	2.97	1.69	2.90	3.63	.20	.35	.092	21	113	37	0.7	10	9	5	.02	.012	95.36
Felsic Tuff - W ser - ep - tr. py.																						
11023	98.8	101.8	57.58	15.45	0.72	5.76	1.92	1.28	8.89	.27	.63	.056	318	215	39	0.1	5	5	32	.01	.011	94.26
11024	135.6	138.7	69.37	13.99	0.62	2.60	1.59	2.36	3.62	.08	.30	.108	3	98	28	0.8	5	1	5	.01	.012	95.95
Felsic Tuff - W-M chl, patchy sil, 1% py.																						
11025	186.4	189.4	74.60	12.84	0.36	1.29	2.49	2.01	2.28	.06	.14	.090	14	37	18	0.9	5	1	4	.01	.010	96.93
Felsic QP Tuff - W chl, ser, tr-1% py																						

Hole No. CM-10 Entered by _____ Logged by _____ Page No. _____

ZIPPY PRINT — BRIDGEPORT, RICHMOND

LOGGED BY (?S).

DRILL HOLE RECORD

PROJECT NAME :	Canamera Option
HOLE NUMBER :	CM-11
LOCATION :	NTS 92 B/13
PROJECT NUMBER :	226
CLAIM NUMBER :	
PLOTTING COORDS — GRID :	Canamera Ideal Grid
NORTH :	2+92 N. ___
EAST :	1+85W. ___
ELEV :	_____.___
COLLAR BRNG — GRID :	___° __' __"
ASTRONOMIC :	030 __' __"
COLLAR DIP :	-45° __' __"
CONTRACTOR :	Frontier Drilling
CORE STORAGE :	9398 Trans Canada Hwy, Chemainus
CASING :	15.9m
PLUGGED (Y/N) :	
HOLE SIZE :	NQ

DATE STARTED (M/D/Y):	04/04/89
DATE COMPLETED (M/D/Y):	04/06/89
DATE LOGGED (M/D/Y):	
UNITS (F/M) :	M
ALTERNATE COORDS — GRID :	
NORTH :	_____+___
EAST :	_____+___
ELEV :	_____.___
COLLAR SURVEY (Y/N) :	N
RQD LOG (Y/N) :	N
PULSE EM SURVEY (Y/N):	
LOGGED BY :	PTB
START DEPTH:	0.0
FINAL DEPTH:	227.1

DIRECTIONAL DATA: A = Acid Test, L = Light Log, M = Multishot, T = Tropari

DEPTH (m)	TYPE A/L/M/T	ASTRONOMIC AZIMUTH	DIP	FLAG	COMMENTS
127.1	A		-42	OK	
182.9	A		—		water in Tube Bad etch.

PURPOSE / COMMENTS :

To test two parallel VLF anomalies associated with the Cu Canyon mineralization. The southern-most anomaly may correlate with the L-T stratigraphy

HOLE NO. CM-11

LOGGED BY PTB

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0.0 - 15.9	Overburden							
15.9 - 23.4	Andesite Crystal Tuff <AND TUFF>	Dark green	fgr	- Massive - 10-12% mm epidotized feldspar crystals - First 1.3m 5% mm dark green equant pyroxene crystals altered almost 100% to chlorite. - Last 1.4m lacking fsp crystals = Ash		<Mep, Patchy S chl> moderate epidote alteration of feldspars. Strong alteration of pyroxene crystals to chlorite. Rare epidote patches	<tr py> last 1.4m 1% fine diss pyrite.	Lithogeochem BED 6747, 17.4-20.4
23.4 - 27.8	FELSIC ASH, TUFF <F ASH, TUFF>	light grey	f. gr.	- Massive to v. weakly foliated - Patchy siliceous pseudo-fragmental appearance. -		<W Ser> 27.1-27.6 Barren white qtz vein.	<1% py> 1% fine diss. pyrite.	Rubbly broken core.
27.8 - 29.9	INTERMEDIATE TUFF <I TUFF>	med green	f. gr.	- Weakly foliated - very weak fine white speckled appearance = calcite specks. - Felsic frags at base of unit. - 1cm qtz vein at sharp lower contact.	28.7 50° fol. 29.9 50° Contact	<W-M chl, W ep> weak to moderate chlorite alteration throughout. Patchy weak epidote.	<<1-1% py>	

HOLE NO CM-11

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
29.9–49.7	FELSIC TUFF <F TUFF>	light grey	f.gr	29.9–37.8 Distinctive spotted siliceous appearance. spots = green translucent sericite. Spots roundin' massive zones, stretched and flattened in foliated areas. 37.8 to end of unit weak to moderately foliated. Stronger foliation in sheared zones with minor gouge development. 44.8–45.85 moderate gouge development. 45.85–48.05 Mafic Tuff? Dyke? massive, abundant carbonate veinlets. 45.85–46.8 abundant fault gouge with sharp lower contact at 30°	39.7 55° fol 44.9 45° fol	<W Ser/Chl> weak sericite/chlorite alteration. 29.9–37.8 moderately silicified, possibly primary. 45.85–48.05 weakly chloritic	tr py.	
49.7–62.65	Mafic Tuff, Lapilli Tuff. Felsic interbeds <MTUFF, LAP TUFF>	dark green	f.gr.	–Overall, Unit composed of thick mafic beds with thinner interbeds of felsic tuff. Detailed breakdown of unit as follows.		<W-M Chl, Patchy ep> weak to moderately chloritic, patchy epidote.	<2-4% py> Overall unit contains 2-3% very fine syngenetic pyrite Greater sulfide concentrations as follows:	

HOLE NO CM-11

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				49.7 - 55.0 Mafic Tuff, Lapilli Tuff. weakly foliated, indistinct mafic frags, epidote patches = frags, patchy feldspar rich zones. Irregular LC, erosional?		49.7 - 55.0 abundant calcite veinlets	50.3 - 50.45 5% pyrite	Lithogeochem BCD 6748 50.9 - 53.9
				55.0 - 57.4 Felsic Tuff/Flow? fairly massive, weak siliceous appearance possible very indistinct fragments sharp lower contact	57.4 45° contact		55.0 - 57.4 <1-1% py	
				57.4 - 58.8 Mafic Tuff Felsic frags at top of unit. Weak - mod foliated.	58.6 40° fol 58.8 35° contact			
				58.8 - 60.1 Felsic Tuff		Weakly sericitic	2% pyrite	
				60.1 - 61.15 Mafic Tuff: felsic frags at top of unit.	61.15 50° contact			
				61.15 - 62.65 Felsic Tuff/Flow? massive siliceous appearance.			61.15 - 62.65 2% v. fine py.	
62.65 - 66.6	Argillite, Conglomerate <ARG CONG.>			Mafic and felsic fragments in a very fine, dark grey muddy groundmass.			<3-5% py> 3-5% very fine synyenetic pyrite within argillaceous mud groundmass.	
				62.65 - 63.05 Felsic frags in a dark grey green pyritic argillaceous mud.				
				63.05 - 63.6 Felsic Tuff: last 5cm fault gouge				

HOLE NO CM-11

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				63.6 – 66.6 Mafic Lapilli Tuff; Felsic and mafic fragments. Some felsic fragments up to 25cm. 63.6–64.0 Black pyritic mud approx. parallel to core axis. 66.2–66.6 80% pyritic mud with minor fault gouge at base.				62.65 – 66.6 good pyrite horizon abundant very fine syngenetic pyrite & pyritic mud.
66.6 – 69.8	Felsic Flow? Dyke? <F FLOW, DYKE?>			massive, strong siliceous appearance. Distinctive patchy, spotted red appearance = hematite. Patches with hematite spots also contain abundant <1mm qtz eyes.			66.6–69.8 tr py.	
69.8 – 96.8	Andesite Crystal Tuff	dark green	f.gr	massive Up to 25% 1-2mm epidote altered grains, 1-3mm epidote balls and larger irregular epidote patches. Patches with abundant mm translucent feldspars some showing good twinning. 82.15 – 82.6 Mixing of mafic and felsic material. Fragments of felsics. 82.6 – 87.75 <F TUFF> Felsic Tuff; Massive, Pervasive silicified appearance <1% <1mm qtz eyes. locally 5% qe in very siliceous material		<M ep> 82.6 – 87.75 <W-MSi> Weak – moderately silicified.	tr – <1% py, tr cpy 82.15–82.7 1-2% py.	

HOLE NO CM-11

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
							91.8 - 92.25 5% py <1% cpy as disseminations and very fine veinlets.	Lithogeochem BCD 6749 92.25 - 94.8
96.8 - 124.3	Felsic Tuff, Flow? <F TUFF, Flow?>	light grey	f. gr.	- massive - very weakly brecciated with fine calcite. - patchy mottled pseudobreccia. - rare 1mm quartz eyes		<M-S Sil> Moderate to strongly silicified. Possible primary feature.	<<1% py> <1% very fine diss py. 101.4m 7cm of semimassive hematite with 3-5% diss pyrite. Minor quartz veining in this interval.	
				108.35 - 110.1 Andesite crystal Tuff: Dark green, massive, epidote clots & altered grains.		108.35 - 110.1 mod ep.	<1% py	
				110.1 - 111.7 spotted appearance, round mm greenish tan sericitized spots also containing hematite.			110.1 - 1% hematite disseminated forming spotted appearance.	
				+117.6 - 121.4+ <AND TUFF> Andesite Tuff: massive weakly abundant carb veinlets, hematitic fracture coatings.		+117.6 - 121.4+ <W ep>	<1% py	

HOLE NO CM-11

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				121.4 - 122.6 Felsic Tuff: fine grained, fragmental appearance of felsic flow unit.				
124.3 - 124.95	<FAULT>	med grey	f. gr.	Massive dark grey fault gouge. Layered shearing at top and base of fault zone.	124.9 55° shearing			
124.95 - 126.8	Andesite Tuff	dark green	f. gr	Patchy sheared appearance, 5% epidote patches up to 2cm. 125.7 - 126.3 fine pyritic muddy groundmass possibly result of shearing.		<W-M Patchy ep> 126.55 - 126.8 barren white quartz vein.	<1% py	
126.8 - 132.15	Felsic Dyke	greenish grey	f. gr 5-7%	1-2mm greenish epidote grains (fsp?) and <1% whitish blue siliceous fragments in a strongly silicified greyish felsic groundmass. 131.7 - 132.15 Andesite Tuff sheared appearanc with 2cm pyritic mud (fault material?) at base Sharp lower contact	131.9 50° shearing 132.15 50°	<S sol, patchy ep> strongly silicified, patchy epidote	<1% py	Lithogeochem BCD 6750 127.0 - 129.4

HOLE NO CM-11

PAGE 6

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
132.15- 160.9	Felsic Lapilli Tuff <F LAP TUFF>	light grey	f-m gr	- Massive to weakly foliated in fragment poor areas. - abundant siliceous felsic fragments stretched, flattened, often indistinct in outline. - Rare rounded quartz eyes. Patchy areas with folded and kinked foliations from 141.6-142.3 149.8-149.0 151.6-152.7 Foliation angles 141.2 45° 145.5 70° 150.4 65° 157.5 50° Fragments decreasing down hole. Gradational lower contact.		<W Ser> weak sericite alteration of groundmass. Fragments siliceous, 133.05-133.3 Qtz Vn	<2% py> 2% disseminated pyrite within groundmass 133.05-133.3 10-15% brassy pyrite.	Top of unit fine py & argillaceous component in groundmass
160.9- 181.0	Felsic Tuff	light grey	f gr	- Weakly foliated - <1% mm quartz eyes, locally 2% qe - rare felsic fragments 170.5-176.2 unit becoming massive with weak pervasive silicified appearance and spotty, weak greenish sericite patches with possible feldspars. Interval possibly a flow? mm quartz spots with hematite. fault gouge @ lower contact	165.1 55° fol 170.0 60° fol	<W Ser> weakly sericitic	<1% py> 1% disseminated pyrite.	Lithogeochem BCD 11507 163.0-166.0

HOLE NO CM-11

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
181.0 – 191.4	Intermediate Ash, Tuff, Chert <I ASH, TUFF, CHERT>	med greenish grey	aphan-f gr.	Fine ash mixed with coarser tuff containing patchy distorted chert bands and frag ments. 188.3 – 189.9 <2cm grey chert beds giving good bedding angles as follows 189.05 189.25 189.6 weakly foliated, broken lower contact	181.4 70° bedding 40° 45° 37°	<Patchy W Chl>	<<1% py> <1% pyrite chert horizons barren of sulfides.	Lithogeochem BCD 11508 182.4 – 185.4
191.4 – 227.1 E.O.H.	Diorite <DIOR>	med to dark green	f gr	massive feldspar porphyritic diorite and weakly sheared calcareous mafic dykes. Screens of Intermediate Tuff and Chert as follows. {214.75–215.45} <I ASH, CHERT> Fine ash and thin barren greenish chert beds. {216.3 – 219.7} <I TUFF> Intermediate TUFF Patchy more felsic areas. weakly foliated 10cm fault gouge at lower contact		pervasive calcite veinlets throughout mafic dykes. Occassion <20cm white quartz veins. 214.75 – 215.45 weakly sericitic 216.3 – 219.7 weak sericite/chlorite.	tr py 214.75 – 215.45 <1% diss pyrite.	Diorite may account for mag anomaly in this area.

HOLE NO CM-11

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

LITHOGEOCHEMISTRY

SAMPLE NUMBER	FROM ( )	TO ( )	MAJOR OXIDES SiO_2	Al_2O_3	CaO	MgO	Na_2O	K_2O	FeO_{23}	MnO_2	TiO_2	Ba ~~P_2O_5~~	TRACE ELEMENTS ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	Rock Type	Alt	Min	Grid	
BCD 6747	17.4	20.4	51.73	16.64	6.76	5.43	3.95	.87	9.11	.33	.63	.035	138	100	24	1.0	5					
Andesite Tuff:			w chl trpy.																			
BCD 6748	50.9	53.9	50.97	14.83	4.99	6.57	1.31	.82	12.06	.36	.60	.027	174	86	29	1.2	5					
Mafic Tuff																						
BCD 6749	92.25	94.8	54.87	17.12	3.61	5.28	4.25	.43	8.92	.19	.59	.029	31	52	28	0.8	5					
Andesite Crystal Tuff:																						
BCD 6750	127.0	129.4	70.1	13.84	2.07	1.36	5.91	.71	2.62	.06	.26	.024	17	13	13	0.2	5					
Felsic Dyke																						
BCD 11507	163.0	166.0	69.39	13.19	0.72	3.10	1.84	2.15	4.62	.10	.29	.082	74	42	19	0.4	5					
Felsic Tuff																						
BCD 11508	182.4	185.4	55.74	16.76	2.84	4.85	4.16	.96	8.63	.19	.64	.036	71	63	24	0.9	5					
Intermediate Ash																						

Hole No. CM-11 Entered by _____ Logged by PTB Page No. 9

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	PPB Au	ppm Ba		
BCD 11489	62.65	63.05			0.40											520	343		1.4	20			
BCD 11490	63.6	64.0			0.4											219	289		1.0	5			
BCD 11491	66.2	66.6			0.4											323	387		1.1	5			
BCD 11492	82.15	82.8			0.65											491	80		0.7	5			
BCD 11493	91.8	92.25			0.45											1800	73		1.8	110			
BCD 11494	101.2	101.6			0.4											69	29		1.0	10			
BCD 11495	133.05	133.3			0.25											2700	22		1.8	20			
Ba BCD 11496	181.0	182.4			1.4											221	76		0.8	5	430		
BCD 11497	188.3	189.3			1.0											159	72		1.0	5	440		
BCD 11498	189.3	191.15			0.85											58	63		0.7	5	360		

HOLE NO CM-11

PAGE 10

ZIPPY PRINT — BRIDGEPORT, RICHMOND

DRILL HOLE RECORD

PROJECT NAME :	Canamera Option
HOLE NUMBER :	CM-12
LOCATION :	NTS 92 B/13
PROJECT NUMBER :	226
CLAIM NUMBER :	
PLOTTING COORDS — GRID :	Canamera Ideal
NORTH :	0+28N
EAST :	4+00W
ELEV :	
COLLAR BRNG — GRID :	° ' "
ASTRONOMIC :	240° ' "
COLLAR DIP :	-60° ' "
CONTRACTOR :	Frontier Drilling
CORE STORAGE :	9398 Trans Canada Hwy, Chemainus
CASING :	18.3m
PLUGGED (Y/N) :	
HOLE SIZE :	NQ

DATE STARTED (M/D/Y):	04/06/89
DATE COMPLETED (M/D/Y):	04/09/89
DATE LOGGED (M/D/Y):	
UNITS (F/M) :	M
ALTERNATE COORDS — GRID :	MTS
NORTH :	+
EAST :	+
ELEV :	
COLLAR SURVEY (Y/N) :	N
RQD LOG (Y/N) :	N
PULSE EM SURVEY (Y/N):	
LOGGED BY :	PTB
START DEPTH:	0.0
FINAL DEPTH:	303.0

PURPOSE/COMMENTS : To test Coronation stratigraphy down-dip of Zn stringers in hole 85-3 and a 14m thick argillite zone in hole CM-5

DIRECTIONAL DATA: A = Acid Test, L = Light Log, M = Multishot, T = Tropari

DEPTH (m)	TYPE A/L/M/T	ASTRONOMIC AZIMUTH	DIP	FLAG	COMMENTS
111.9	A		-61	OK	
198.1	A		-62	OK	
271.3	A		-62	OK	

HOLE NO. CM-12

LOGGED BY PTB

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0.0 – 18.3	Overburden <OB>							
18.3 – 36.3	Mafic Tuff, Lapilli Tuff? Flow Bx? <MT, FLOW Bx?>	dark green	f. gr.	From 18.3 to approx 23 m massive, ubundant hematite along fracture planes, Patches with <1mm epidote grains = fsp some round white spots qtz = amygdules? After 23m wispy appearance with fine mafic Lapilli & Rare block size frogments. Patches with 10% 3-4 mm round qtz + epidote filled vesicles ie 25.55-27.3		<W-M chl, Patchy ep>	tr – <1% py.	18.3 – 23 m mafic Flow? 25.55–27.3 Vesicular Flow Lithogeochem BCD 11509 32.4-35.4
36.3 – 81.4	Felsic Tuff <F TUFF>	light tan grey	m.gr	Massive to weakly foliated, occassional areas with 1% <1mm quartz eyes. Weakly pervasive granular appearance caused by 1-2mm siliceous grains Rare large lapilli containing green sericite spots and siliceous grains up to 3-4mm with disseminated hematite		~~Alt~~ Patchy weak chlorite	NVS	Lithogeochem BCD 11510 69.1 – 72.1

HOLE NO CM-12

PAGE 1

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				62.9 – 63.75 Mafic Dyke: ~~Tuff~~: Dark green, fine grained, massive, fine calcite stockwork, Rare possible feldspars at top of interval. sharp lower contact	45°			
81.4 – 87.05	Fault Breccia <FAULT Bx>	Dark green	Coarse grained	0.5-2cm up to 25cm fragments of foliated mafic and felsic compositions diorite, and rare argillite with a dark green mafic? groundmass. Very angular fragments.		<w chl>	Nil	Healed Fault Breccia.
87.05 – 194.55	Felsic Tuff, Lithic Tuff, Crystal Tuff, <F TUFF>	light grey, green grey	m-c gr.	Massive, Patchy weak foliation. Patchy fsp and qtz phyric areas. Patches with 1-3mm rounded siliceous felsic grains some appear to be shattered quartz eyes, and some feldspars. Some fragmental zones with fine felsic lithic fragments. Rare mafic frags. 95.7 – 98.9 Mixing of felsic and mafic material. Angular <1cm felsic lithic fragments + fine mafic frags in mainly a mafic groundmass. Patchy more felsic groundmass.		<w Ser> weakly sericitic.	tr py	

HOLE NO CM-12

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
					102.8 30° fol			
				103.4 - 105.7 weakly developed clay gouge.				
				107.9 - 114.8 Broken rubby core. Numerous thin massive mafic dykes with irregular contacts cutting felsic unit.				Lithogeochem BCD 11511 115.0 - 118.0
				132 - 134 Kinked and distorted fol. some parallel to core axis.				
				126.5 - 129.2 large QFP lapilli				
				129.2 - 153.7 <QFP TUFF> 1-3% + locally 5% <1-1 mm quartz grains, Occassional fragments				
				Below 153.7 coarse granular appearance, quartz phyric occassional fine felsic lithic fragments				Lithogeochem BCD 11512 150.0 - 153.0
				183.6 - 184.4 QFP TUFF				
				184.4 - 185.45 Coarse felsic fragments, wispy groundmass				
							188.9 - 189.7 three 3-4 mm massive pyrite fragments.	

HOLE NO CM-12

PAGE 3

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
194.5 - 223.2	(Q) FP Crystal Tuff <(Q)FP TUFF>	light grey	f gr	light gray, massive pervasive silicified appearance up to 10% <5mm subhedral to euhedral Fresh white feldspars and occassional patches with 10% mm quartz eyes 223.2 - 223.5 Fault zone minor gouges, distorted foliations. Shearing at 223.3	50°	+194.5 - 223.2 + <S Si> Pervasive strong silicification.		Very Similar to Lara Footwall. Lithogeochem BCD 11513 203.3 - 206.3
223.2 - 281.45	Felsic Lithic Tuff, Crystal Tuff <F TUFF>	light grey	f-m gr.	223.5 - 235.3 Coarse granular appearance, 2-4mm rounded whitish grains. Some appear to be fsp others siliceous felsic grains, possibly qtz eyes. 235.3 - 269.5 Finer granular appearance Patchy zones w/ 1-3% mm quartz eyes and siliceous grains, some speckled appearance caused by fine white disseminate calcite.	237 30° fol 247.5 50° fol.			Lithogeochem BCD 11514 240.7 - 243.7

HOLE NO CM-12

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				occassional zones with 1% feldspars.				
				250-250.8 weakly distorted foliations, minor gouge.				
				Possible breaks in deposition marked by darker wispy like hematitic or ashy layering at 238.0 and 249.6	238.0 50° layering?			
					249.6 65° layering?			
				239.6-239.9 <1cm of fine green ash? possible healed fault. weak sheared look to fine grained material.				
				269.5-269.9 dark grey weakly fragmental appearance, possible mafic input still fairly siliceous. Rubbly core.			269.5-269.9 3% pyrite as fine wisps w/in groundmass	
							270.6-273.7 <1% pyrite as a very fine, weak pyrite stockwork.	
				277.9-280.65 coarse granular appearance, weakly fragmental towards base				Lithogeochem BCD 11515 274.0-277.0

HOLE NO CM-12

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				280.65 – 280.8 Argillite. Black no bedding, broken core 280.8 – 281.0 Fault: gougy core.			280.65 – 280.8 <1% py	
281.45 – 282.1	Cherty Argillite <CHTY ARG>	Black	f gr	Fairly massive, no bedding, moderately brecciated with a white calcite stockwork, carbonaceous, rubbly core. Lower contact not sharp, mixing with lower unit.			<<1 % py> <1% py as thin wispy and fracture coatings.	
282.1 – 282.9	Mafic Ash <M ASH>	med green	f gr.	weakly foliated, ash very broken and rubbly core obscuring any textures. First 30cm mixing with argillite.		<w chl, s calc> weakly chloritic, pervasive calcite		
282.9 – 287.6	Cherty Felsic Ash, Chert <CHTY F ASH, CHERT>	mottled grey.	aphan – f gr.	very fine ash. Brecciated with a distinct fine grey, green grey pyrite ± sericite stockwork. Some chert horizons giving good bedding otherwise chert fairly massive. 284.05 – 286.1 Mafic Tuff, Lapilli Tuff: grey green fine grained with occassional rounded 1-4cm cherty felsic Ash fragments. Lower contact slightly irregular possible erosion	283.8 30° bedding 286.1 30° contact.	<Patchy ser>	<1-2%py> 1-2% pyrite as a very fine stockwork	

HOLE NO CM-12

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				lower contact to main unit slightly irregular @	65°			
287.6 - 294.0	Mafic Flow Breccia? Lapilli Tuff? <M FLOW Bx?>	dark green	fgr	Moderate foliated appearance, foliation greatly distorted and folded. Some foliations could be pillow selveges. Patchy fragmental appearance. minor wisp hematite stockwork.	293.2 30° contact	<W-M chl> Weak to moderately chloritic 293.2 - 294.0 Barren white quartz vein.	tr py.	Lithogeochem BCD 11551 290.0-293.0
294.0 - 298.8	Diorite	speckled green	m gr.	massive equigranular texture with intergrown white feldspars and dark green amphiboles. Finer grained and locally sheared margin 50cm at upper margin and 1.3m at lower margin.				
298.8 - 303.0 E.O.H.	Mafic Tuff <M TUFF>	dark green	f-m gr.	massive, patchy weak foliation. Patchy granular appearance caused by 2mm siliceous grains + minor epidote grains. Some <1cm epidote patches which = fragments		<Perv Hem, wep> Pervasive hematite stockwork, weak epidote alteration.	NIL	

HOLE NO _____

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

LITHOGEOCHEMISTRY

SAMPLE NUMBER	FROM ( )	TO ( )	MAJOR OXIDES SiO_2	Al_2O_3	CaO	MgO	Na_2O	K_2O	FeO	MnO	TiO_2	~~P_2O_5~~ Ba	TRACE ELEMENTS ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	Rock Type	Alt	Min	Grid	
BCD 11509	32.4	35.4	51.6				~~3.25~~ 3.23				.87	.094	~~138~~ 38	43	23	0.8	5					
Mafic Tuff			Hematitic staining																			
BCD 11510	69.1	72.1	68.78				3.76				.35	.082	~~19~~ 22	36	16	0.3	5					
Felsic Tuff																						
BCD 11511	115.0	118.0	69.64				3.38				.30	.079	~~31~~ 31	22	13	0.2	5					
Felsic Tuff																						
BCD 11512	150.0	153.0	69.56				2.87				.32	.064	~~14~~ 31	38	15	0.4	5					
Felsic Tuff																						
BCD 11513	203.3	206.3	71.29				2.90				.25	.095	~~14~~ 26	107	28	0.2	5					
(Q) FP Flow? TUFF			Pervasive silicification. no sulfides.																			
BCD 11514	240.7	243.7	65.99				2.67				.35	.079	~~14~~ 13	22	11	0.6	5					
Felsic Tuff																						
BCD 11515	274.0	277.0	70.80				2.05				.19	.117	~~18~~ 13	27	15	0.3	5					
Felsic Tuff																						
BCD 11551	290.0	293.0	40.51				3.47				.73	.016	120	41	15	1.3	5					
Mafic Flow																						

Hole No. CM-12 Entered by _____ Logged by PTB Page No. 8

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	PPB Au	ppm Ba		
BCD 11499	269.5	269.9			0.4											102	118		1.3	5			
BCD 11500	281.45	282.1			0.65											49	101		0.7	5	1430		
BCD 12726	282.9	284.05			1.15											42	42		0.6	5	1700		
BCD 12727	286.1	287.6			1.5											52	28		0.5	5	940		

HOLE NO CM-12

PAGE 9

ZIPPY PRINT — BRIDGEPORT, RICHMOND

01?
160.00 W

DRILL HOLE RECORD

Typed & entered Apr. 16

PROJECT NAME :	Canamera ~~Option~~
HOLE NUMBER :	CM-13
LOCATION :	NTS 92 B/13
PROJECT NUMBER :	226
CLAIM NUMBER :	
PLOTTING COORDS — GRID :	Canamera Ideal
NORTH :	0+20 S.
EAST :	1+00 W.
ELEV :	
COLLAR BRNG — GRID :	° ' "
ASTRONOMIC :	210° ' "
COLLAR DIP :	-44° ' "
CONTRACTOR :	Frontier Drilling
CORE STORAGE :	Chemainus
CASING :	12.2m
PLUGGED (Y/N) :	
HOLE SIZE :	NQ

DATE STARTED (M/D/Y):	04/09/89
DATE COMPLETED (M/D/Y):	04/10/89
DATE LOGGED (M/D/Y):	
UNITS (F/M) :	M
ALTERNATE COORDS — GRID :	Canamera Field Grid
NORTH :	4+53 S +
EAST :	1+15 W +
ELEV :	
COLLAR SURVEY (Y/N) :	N
RQD LOG (Y/N) :	N
PULSE EM SURVEY (Y/N):	
LOGGED BY :	P T Baxter
START DEPTH:	0.0
FINAL DEPTH:	124.1 m

PURPOSE/COMMENTS : To test a VLF anomaly and Coronation stratigraphy 300m east of Zn stringers intersected in hole 85-3

DIRECTIONAL DATA: A = Acid Test, L = Light Log, M = Multishot, T = Tropari

DEPTH (m)	TYPE A/L/M/T	ASTRONOMIC AZIMUTH	DIP	FLAG	COMMENTS
36.6	A		-43	OK	
124.1	A		-42	OK	

HOLE NO. CM-13

LOGGED BY PTB

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0.0 - 12.2	Overburden <OB>							
12.2 - 37.15	Andesite TUFF, Crystal TUFF <AND TUFF>	dark green	f-m gr.	massive, Patchy sheared and gougy zones. 12.2 - 15.2 5-7% 3-5mm epidote altered crystals with dark green pyroxene? cores 15.2 - 18.2 more mafic appearance with 1-3% chlorite clots (fragments) up to 1.5cm. 18.2 - 18.75 Fault zone moderate gouge development. brecciated inclusions of mafic tuff and quartz veins. 18.75 - 19.7 Mafic Tuff with felsic tuff fragments, minor quartz veining. 19.7 - 22.35 Felsic Tuff green grey, weak foliation with a milled texture. Sharp lower contact (22.35) 22.35 - 23.15 strongly sheared, minor gouge. Mafic Ash with some sediment component giving greenish brown coloration.	22.35 - 25° contact 22.0 60° Shearing.	<Patchy Mep, chl> 12.2 - 18.75 hematitic fracture coatings and fine stockwork. 19.7 - 22.3 Patchy wormy quartz veining	tr py	

HOLE NO CM-13

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				23.15 – 37.15 fine to medium grained, granular tuff with 5-10% 2-3mm fresh fsp &/or siliceous grains and patches with epidotized mm grains. 35.0 – 35.2 gougy milled core.			31.9 – 32.0 5% pyrite trace chalcopyrite	Lithogeochem BCD 11516 30.0-33.0
37.15-57.7	Felsic Ash, Tuff, Argillite <F ASH, TUFF, ARG>	light grey, black	f gr	weakly foliated often with distorted or kinked foliations, Patchy fragmental zones as noted later, 39.35 – 43.2 Felsic Ash interbedded with thin cherty argillite beds up to 20cm thick Below 43.2 weakly fragmental with occassional argillite fragments and rare felsic fragments. Thin fragments aligned parallel to foliation.	39.4 65° bedding 40.0 60° bedding 40.6 70° bedding	<W Ser> weakly sericitic	<<1-1% py> <1-1% pyrite disseminated and thin wisp parallel to foliation. 39.35-43.2 <1-1% pyrite within argillite as thin wisps parallel to bedding and rare rounded pyrite grains.	

HOLE NO CM-13

PAGE 2

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				45.6 – 49.2 Andesite Tuff; medium green, fine grained, massive. Patches with 2-3% mm translucent feldspars. Occassional mm epidote grains and rare 5mm epidotized fragments 7cm muddy ash at base of interval.	45.6 60° contact	45.6–49.2 patchy very weak epidote within groundmass.		
				49.2 – 50.65 rare 2-3 mm distorted argillite laminations, 50.1 – 50.65 fine interlaminated ash beds distorted and folded.	49.2 50° contact			
				50.65 – 52.3 Andesite tuff, crystal tuff.			52.7 – 53.7 1-2% pyrite	
				54.8 – 55.0 argillite wisps and thin ash beds	54.9 70° bedding			
				55.85 – 57.5 Andesite Tuff:				
57.7 – 64.35	Felsic Tuff <F TUFF>	light grey green	f gr.	- weakly foliated - a coarser appearance than previous unit - minor argillite at top of unit. - fine whitish grey siliceous granules. - rare 5cm mafic ash beds	64.35 35° contact	NIL	NIL	Lithogeochem BCD 11517 59.0 – 62.0

HOLE NO CM-13

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
64.35-124.1	Andesite Tuff, Crystal Tuff, Ash	m-dk green	f-m gr	Massive, patchy weak foliation.		<Patchy wep, chl>	<tr py>	Lithogeochem BCD 11518 91.4-94.4
E.O.H.	<AND TUFF>			Finer andesite tuffs mixed with coarser granular tuffs with 2-5% 2-4mm translucent fsp +/or siliceous grains		Some areas with weak epidote and chlorite patches.		
				Quiet periods in sedimentation marked by finely laminated ash, cherts, and cherty ashes as follows.				
				71.3 - 72.6 cherty ashes	71.8 50° bedding 72.0 45° bedding			
				94.3-94.5 brecciated cherts	72.1 55° bedding			
				97.4-97.5 brecciated cherts	72.35 50° bedding			
				101.9-102.0 fine ash	102.0 40° bedding			
				107.8-109.0 Fine ash and chert	107.8 50° bedding 108.9 30° bedding			
				Fining up-hole noted at 72.35m, 97.5m, 102.0m				Tops to the north

HOLE NO CM-13

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				78.65 – 79.6 Mafic to Andesitic Lapilli Tuff. <1.5cm subangular green chert fragments 80.6 – 82.4 <2cm felsic fragments. 82.4 – 82.6 green fault gouge.				
				82.6 – 86.95 Felsic Tuff: light grey, grey green, weakly foliated. Indistinct fragments, possibly pumice as flattened green fragments. gouey core at 84.6–85.0 and 86.6 – 86.8.	84.3 60° fol 86.7 70° faulting	82.6 – 86.95 weakly sericitic, minor wormy quartz veining	86.8 – 86.95 1% disseminated pyrite.	
						99.1 – 101.9 moderately abundant barren white irregular quartz-chlorite veins.		Lithogeochem BCD11519 119.0 – 122.0
				102.0 – 117.0 Andesitic Lithic crystal tuff Abundant <1cm weakly epidotized andesitic fragments and abundant 1-3mm translucent feldspar crystals some showing good twinning.				

HOLE NO CM-13

PAGE 5

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	PPB Au	PPM Ba		
BCD 12728	39.35	40.6			1.25											18	145		0.6	5	1400		
BCD 12729	40.6	41.9			1.3											24	94		0.7	5	1360		
BCD 12730	41.9	43.2			1.3											27	95		0.7	5	1220		
BCD 12737	52.7	53.7			1.0																		

HOLE NO. CM-13

PAGE 6

ZIPPY PRINT — BRIDGEPORT, RICHMOND

LITHOGEOCHEMISTRY

SAMPLE NUMBER	FROM ( )	TO ( )	MAJOR OXIDES SiO_2	Al_2O_3	CaO	MgO	Na_2O	K_2O	FeO	MnO	TiO_2	~~P_2O_5~~ Ba	TRACE ELEMENTS ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	Rock Type	Alt	Min	Grid	
BCD 11516	30.0	33.0	51.30				4.36				.86	.054	72	65	20	1.2	5					
Andesite Tuff																						
BCD 11517	59.0	62.0	64.32				2.84				.29	.108	19	29	13	0.4	5					
Felsic Tuff:																						
BCD 11518	91.4	94.4	51.31				3.52				.78	.089	83	55	22	0.6	5					
Andesite Tuff																						
BCD 11519	119.0	122.0	48.52				2.86				.81	.040	42	37	26	0.9	5					
Andesite Tuff																						

Hole No. CM-13 Entered by _____ Logged by PTB Page No. 7

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

DRILL HOLE RECORD

PROJECT NAME :	Canamera Option
HOLE NUMBER :	CM-14
LOCATION :	NTS 92 B/13
PROJECT NUMBER :	226
CLAIM NUMBER :	
PLOTTING COORDS — GRID :	Canamera Ideal
NORTH :	0+15 N.
EAST :	12+00 W.
ELEV :	
COLLAR BRNG — GRID :	° ' "
ASTRONOMIC :	010 ' "
COLLAR DIP :	-44° ' "
CONTRACTOR :	Frontier Drilling
CORE STORAGE :	9398 Trans Canada Hwy Chemainus
CASING :	3.0m
PLUGGED (Y/N) :	
HOLE SIZE :	NQ

DATE STARTED (M/D/Y):	04/11/89
DATE COMPLETED (M/D/Y):	04/14/89
DATE LOGGED (M/D/Y):	
UNITS (F/M) :	M
ALTERNATE COORDS — GRID :	MTS
NORTH :	+
EAST :	+
ELEV :	
COLLAR SURVEY (Y/N) :	N
RQD LOG (Y/N) :	N
PULSE EM SURVEY (Y/N):	
LOGGED BY :	PTB
START DEPTH:	0.0
FINAL DEPTH:	277.4

PURPOSE/COMMENTS : To test an IP anomaly associated with Felsic/Andesite contacts and a Ba enriched, Na depleted zone.

DIRECTIONAL DATA: A = Acid Test, L = Light Log, M = Multishot, T = Tropari

DEPTH (m)	TYPE A/L/M/T	ASTRONOMIC AZIMUTH	DIP	FLAG	COMMENTS
106.1	A		/		water in tube no etch.
195.1	A		-44	OK	
232.2	A		-44	OK	
256.0	A		-44	OK	

HOLE NO. CM-14

LOGGED BY PTB

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0.0 – 3.0	Overburden <OB>							
3.0 – 63.45	Felsic Dyke	light grey	aphan to f. gr.	Massive, very siliceous appearance especially within aphanitic areas. Pervasive brecciated appearance with a very fine calcite stockwork. Patches with 1% 1-2mm epidotized feldspars and up to 5% 1-5mm rounded bluish white quartz grains (silica grains). Screens of Andesite Tuff as follows.		<S Si> Strongly siliceous, primary feature.	trace pyrite along fracture planes and near andesite screens.	Rubbly core, questionable recovery. to 8.2 m
				8.2 – 10.4m Andesite Tuff, Ash. Fine grained, weakly foliated 1-5% epidotized feldspars, fragments and epidote patches. 8.2 – 8.9 finer ashier zone.		82.4 – 10.4 weak epidote and chlorite.	8.2 – 10.4 1-3% pyrite disseminated and wisps parallel to foliation.	
				12.25 – 14.35 Andesite Tuff as described above.	12.25 55° contact			
				43.45 – 47.3 Andesite Tuff As above	43.45 70° contact 47.3 30° contact		43.45 – 47.3 <1 – 1% diss pyrite.	

HOLE NO CM-14

PAGE 1

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				47.3 – 52.2 up to 10% epidotized feldspars and blue white quartz patches. 62.05 – 62.6 Andesite Tuff: as described earlier.	62.05 65° Contact			
63.45 – 159.45	Andesite Tuff <AND TUFF>	dark green	f-m gr.	Massive, patchy weak foliation in finer ashier zones. Up to 10-15% epidote altered patches and sharp outlined fragments. abundant <1-1mm translucent crystals some = fsp showing good twinning. Fine ash beds sometimes showing thin bedding with grading fining down-hole at ~~75.5~~ 95.6 and 96.6m. 85.3 20cm felsic block 85.5 – 85.8 argillite wisps thin laminations at 30-35° to core axis.	77.2 45° bedding 96.5 30° bedding 96.7 45° bedding 95.6 30° bedding 96.6 45° bedding	<Wep, Patchy W chl> weak epidote as altered fragments and patches. Weak chlorite alteration of fine grained ash zones.	<1-1% py <1-1% pyrite however some finer grained ash zones contain 2-4% disseminated pyrite parallel to bedding	Lithogeochem BCD11520 64.6 – 67.6 down-hole fining indicates Tops to the North.

HOLE NO CM-14

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				86.6 – 88.1 Felsic Dyke: Light grey massive, strongly siliceous <1-1% mm epidotized feldspars, 3cm clay gouge at upper contact.	86.6 40° Contact			
				91.4 – 93.35 Felsic Dyke: Light grey, massive, siliceous, fine brecciated appearance.	93.35, 40° Contact			
				Below 93.35 Andesite crystal tuff, up to 15% mm epidotized feldspars with ashy interbeds giving good bedding angles.	103.0 45° bedding 117.5 30° bedding 119.1 20° bedding 129.0 45° bedding 132.9 45° 133.1 45° bedding			Lithogeochem BCD 11521, 105.4 – 107.5

HOLE NO CM-14

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				Massive, med green, magnetic mafic Dykes from 107.5 – 108.0, 124.8 – 126.6	124.8 35° contact 126.6 40° contact			
				139.7 – 141.0 Felsic Tuff light grey, f.gr. 140.2 – 141.0 mixing of felsic and andesitic material.				
						140.2 – 143.5 patchy quartz ± chlorite veining	140.2 – 143.5 1-2% pyrite	Lithogeochem BCD 11522 143.5 – 146.5
				157.65 – 159.45 Andesite Ash, minor felsic component.			157.65 – 159.45 <7-10% py> 7-10% brassy, fairly coarsely disseminated pyrite.	
159.45 – 178.1	Felsic Lapilli Tuff <F LAP TUFF>	light to med grey	f-gr	- massive - Distinctive mottled appearance - Ghosted outlines of light grey felsic fragments in a very fine groundmass - Below 172.7 less fragmental appearance, very rubbly core.		<w Ser>	<<1% py> <1% disseminated pyrite	
						173.75 – 173.95 minor quartz veining	173.75 – 173.95 3% chalcopyrite 3% pyrite.	Lithogeochem BCD 11523, 160.6 – 162.9

HOLE NO CM-14

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				165.2 – 169.2 Andesitic Ash: Dark green, f. gr, fairly uniform. 30cm very dark massive chert from 168.9–165.2.		165.2 – 169.2 moderately chloritic	165.2 – 169.2 <1–1% fine diss. pyrite.	
178.1 198.9	Diorite <DIOR>	dark green	f. gr.	Massive, Feldspar porphyritic with 1-3% white ragged feldspars. 178.1 – 181.0 fine grained margin pervasive fine disseminated calcite. 187.8 – 190.8 Inclusion of Int-And ? Tuff: fine grained, some fine distorted banding. 188.3 – 190.8 may be a fine grained phase of diorite with pervasive calcite. 196.0 – 197.55 sheared margin pervasive calcite. 197.55 – 198.9 Dyke or And Tuff?? pervasive calcite, f. gr. weakly foliated.	196.0 60° contact 197.5 45° contact	197.9 – 198.2 Carbonate-Chlorite-Quartz Vein.		

HOLE NO CM-14

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
198.9 - 205.3	Felsic Ash, Tuff <F ASH, TUFF>	light grey, light green	f. gr.	-weakly foliated. -patchy quartz phyric with 1-2% 1-2mm rounded shattered quartz eyes. 203.2 - 204.2. possible reworking of felsic ash with a andesitic component. Medium green up to 10-15% <1mm quartz grains in a more mafic groundmass. 205.3 lower contact slightly irregular - not sharp - weakly gradational.		<W-M ser/chl> weak to moderate sericite-chlorite alteration	<1-2% py> 1-2% finely disseminated pyrite.	Lithogeochem BCD 11524 200.0 - 202.5
205.3 - 217.4	Andesite Ash, Tuff <AND ASH, TUFF>	Med-dark green	f gr	205.3 to approx 211.3 finer andesite ash, rare fine bedding. 205.3 - 207.45 some reworking & mixing with felsic material - rare QP tuff fragments and some zones with 10% fine quartz grains. Below 211.3 Andesite becoming coarser grained. Below 213.0 up to 5% epidotized feldspars.	207.6 40° bedding 212.4 50° fol	<M chl> moderately chloritic	<<1-1% py> <1-1% disseminated pyrite. 206.8-208.2 2-4% fine disseminated pyrite. 1mm bedded pyrite at 208.2	

HOLE NO CM-14

ZIPPY PRINT ® — BRIDGEPORT, RICHMOND

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
217.4 - 277.4	Felsic Lapilli Tuff <F LAP TUFF>	light to med grey.	f.gr.	- massive - Pervasive mottled appearance with indistinct ghosted felsic fragments up to 7cm. - strong siliceous appearance		<W ser, S Sil> weakly sericitic, strong silicification.	tr - <1% pyrite.	228 - 233, 237-239 very blocky and rubbly core. Poor recovery.
E.O.H.				233.7 - 238.2 QFP Crystal Tuff: massive, 1-2% rounded shattered quartz eyes, 2-3% faint whitish feldspars. - Rare QP patches.				Lithogeochem BCD 11525 245.0 - 248.0
							258.9 - 259.05 3-5% thin wispy magnetite.	
						260.7 - 261.8 weak quartz - epidote veining.		
						261.95 - 262.15 Quartz Vein	261.95 - 262.55: <1% py, 2-3% magnetite, includes - 261.95 - 262.15 15-20% magnetite forming poor stockwork.	
						262.55 - 264.0 moderate chlorite alteration of groundmass.		
								270.4 - 277.4 Rubbly broken core, especially 274.5 - 277.4

HOLE NO (M-14

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	PPB Au			
BCD12731	74.2	75.3			1.1											74	54		1.3	5			
BCD12732	78.5	79.9			1.4											56	49		1.0	5			
BCD12733	157.65	158.6			0.95											32	88		1.6	20			
BCD12734	158.6	159.45			0.85											14	93		1.5	10			
BCD12735	206.8	208.2			1.4											519	72		1.3	10			
																R							
BCD12736	261.95	262.55			0.6											224	28		0.9	5			

HOLE NO CM-14

PAGE 8

ZIPPY PRINT - — BRIDGEPORT, RICHMOND

DRILL HOLE RECORD

PROJECT NAME : Canamera Optron	DATE STARTED (M/D/Y): 04/14/89
HOLE NUMBER : CM-15	DATE COMPLETED (M/D/Y): 04/17/89
LOCATION : NTS 92 B/13	DATE LOGGED (M/D/Y):
PROJECT NUMBER : 226	UNITS (F/M) : M
CLAIM NUMBER :	

PLOTTING COORDS		ALTERNATE COORDS	
	GRID : Canamera		GRID :
	NORTH : 1+63 N. ___		NORTH : _____+___
	EAST : 8+63 W. ___		EAST : _____+___
	ELEV : _____.___		ELEV : _____.___

COLLAR BRNG		
	GRID : ___° __' __"	COLLAR SURVEY (Y/N) : N
	ASTRONOMIC : 030 __' __"	RQD LOG (Y/N) : N
	COLLAR DIP : -45° __' __"	PULSE EM SURVEY (Y/N):

CONTRACTOR : Frontier Drilling	LOGGED BY : PTB
CORE STORAGE : 9398 Trans Canada Hwy Chemainus	START DEPTH: 0.0
CASING :	FINAL DEPTH: 35.1
PLUGGED (Y/N) :	
HOLE SIZE : NQ	

PURPOSE / COMMENTS :
To test a weak VLF-Mag anomaly which may correlate with the L-T stratigraphy.

DIRECTIONAL DATA: A = Acid Test, L = Light Log, M = Multishot, T = Tropari

DEPTH (m)	TYPE A/L/M/T	ASTRONOMIC AZIMUTH	DIP	FLAG	COMMENTS

HOLE NO. CM-15 Hole abandoned at 115 ft. ~~we~~ could not reach bedrock.

LOGGED BY PTB