

# DIAMOND DRILL LOG

Hole No.: CGGC-4		Grid:		Claim:		Page 1 of 14												
Depth: 325' - 99.06m.		Coordinates - Northing 9800N		Bearing: 225° Az		Date Started:												
Angle: -50°		- Easting: 111085E		Elevation:		Date Completed:												
Core Size: SQ		Dip Tests:		Drilled by:		Logged By: Robert Strohecker												
Footage		Rock Type	Alteration								Assays						% RCVRY	Description
From (m)	To (m)		S	A	C	Se	Py	Qv	T	From (m)	To (m)	Width (m)	Sample No.	Au ppb	Ag ppm			
0.00	5.64	OVBN																0-2.74m No recovery
											2.75	3.00	0.25	56151				2.74-3.08 Orange Brown clay clay alt frags
																		3.08-5.64m Qfp frags - clay seams
5.64	5.85	OVBN															90%	Seed frags mudstone arg Light grey muddy matrix rich fine clay altered frags, coarse - fine argillite frags.
5.85	6.13	SEDS															50% 10	black fine grained mudstone - argillite finely banded Core is intensely broken Possibly large boulder in OVBN.
6.13	8.70	OVBN															70% 6-7	Glacial till Silty dark grey matrix with frags/clasts ranging from mm - 12cm. Poorly consolidated frags - Qfp QPOR SEDS

Footage		Rock Type	Alteration							Assays					% RCVRY	Description	Page No. 2 of 14
From (m)	To (m)		S	A	C	Se	Py	Qv	T	From (m)	To (m)	Width (m)	Sample No.	Au ppb			
8.70	11.92	SEDS														85% 4	Moderately well consolidated conglomerate with interbedded micaceous mudstone. Clasts - FOPR, CHERT, ARG, QFP, Gritty dark grey matrix micaceous mudstone @ 10.60 - 10.81m. - Ca 55° @ 10.60m 40° @ 10.81m includes coarse frags @ 11.42 - 11.68m Ca 52° @ 11.42m 53° @ 11.55m parting (laminae)
11.92	17.35	CONG SEDS														98% 3	Light grey Qz pebble conglomerate Moderately well consolidated - Competent matrix. Variably clast or matrix supported. Frags Qz, CHT, ARG, GNEISS, (VOLC) rare. Porphyry, COAL (15.20m) (16.40m) 16.98 - 17.08m - micaceous black mudstone finely laminated Ca @ 64° contacts irregular ≈ Ca 55° 12.37m - 3cm dull brown/grey mud scan 85° CA.



Footage		Rock Type	Alteration								Assays						% RCVRY	Description	Page No.
From (m)	To (m)		S	A	C	Se	Py	Qv	T	From (m)	To (m)	Width (m)	Sample No.	Au ppb	Ag ppm	4 of 14			
																	28.75m - 10° CA on fracture slickens at 12° <sup>note</sup>		
																	29.75m 20° CA on fracture slickens @ 85°		
																	27.65m 15° CA on fracture slickens @ 100° <sup>note</sup>		
																	28.15m 55° CA on fracture slickens @ 8° <sup>note</sup>		
																	28.72m BNO calcite vnlts @ 50° - 1cm		
																100%	29.40 - 34.40m. ANDESITE fracture intens.		
																5	much lower than previous section.		
																	ANDESITE THROUGHOUT has fine irregular black hld(?) grains. Locally porphyritic texture.		
																	33.05-34.40m. ABUNDANT CALCITE VNLS, strgs. and irregular masses. 5%.		
																	CA @ 10° - 60°		
										32.90	34.40	1.50	56153			100%	W/out dm colored alt'n gone at lower CN		
																8	CN - CA 45° fq. porphyritic texture. Note calcite. VN lts, irregular masses, broken vnlts frags and wispy stringers		
34.40	35.60	HTUF															100	Heterolithic tuff. Coarse Volcanic fragments in XAL MATRIX. Lapilli tuff.	
																	6.	Lapilli of QPOR. RHY. SEDS.	
										34.40	35.60	1.20	56154					Lower CN 40° CA.	
35.60	35.85	SEDS																micaceous "COALY" siltstone. Black siltstone frags. Irregular polished shears CN's irregular	

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From (m)	To (m)		S	A	C	Se	Py	Qv	T	From (m)	To (m)	Width (m)	Sample No.	Au ppb			Ag ppm
35.35	37.60	IVOL															100% Light grey green intermediate volcanic. Weakly Brecciated. Irregular contacts approximately 45°C. Black irregular frags carbonaceous argillite lower contact. White calcite masses along brx openings.
																	9
37.60	44.05	SEDS															100% Poorly bedded dark grey micaceous sil mudstone with conglomerate and rare volcanic tuff breccia interbeds. Poorly sorted conglomerate layers: 37.9 - 38.05 m. 38.20 - 38.45 m. 42.25 - 42.50 m. 42.60 - 43.40 m. Felsic Volc lithic tuff: 38.55 - 38.90 m upper CN 90°C+ Black mic lower CN 55°C. Occasional mud seams. Local irregular deformation.
																	6
44.05	50.90	RHMT		F	W					44.05	45.55	1.50	56155				Not welded crystal lithic tuff. Grey Brown upper CN 45°C. Felsic frags with rare coarse QFP clasts. Black argillite. Pumice frags. 45.55 - 46.75 m acid leach none. Fe Carb staining of pumice frags.
				Ac						45.55	46.75	1.20	56156				

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From (m)	To (m)		S	A	C	Se	Py	Qv	T	From (m)	To (m)	Width (m)	Sample No.	Au ppb	Ag ppm		
										46.75	48.0	1.25	56157				49.0 - 49.40 m - 5 broken or discontinuous calcite strings 50-65° CA.
										48.00	49.40	1.40	56158				
					W					49.40	50.90	1.50	56159			100%	
																5	
50.90	53.80	HTUF		Ac	M					50.90	52.40	1.50	56160			100%	Heterolithic volcanic tuff Lapilli frags
																5-6	QFP, RHY, Pum
																	Upper CN - 80° CA
		Mud SEAM								52.25	53.65	0.80				50%	Lower CN - 65° CA
		SHEAR?								52.40	53.30	1.40	56171			Mud	
53.80	54.55	SEDS								53.80	54.55	0.75	56172				Black f.g ARGILITE - Intensely fractured sheared
																	Upper CN - 62° CA
																	Lower CN - 35° CA
54.55	56.35	QFBX		Ac	W	W				54.55	55.50	0.95	56161			100%	Breccia Hydrothermal Coarse grained Breccia
																4	QFP with variable degrees of dark grey fine grained siliceous matrix
																	Rare volcanic fragments in Breccia matrix
																	IVOL with calcite "phenocrysts", QPDR
																	Qfp - grey quartz "eye" phenocrysts sub-rounded to elongate 1-4mm. Feldspar OrBn irregular
																	55.50 m - fracture clay seam @ 55° CA 2mm
																	white clay seams 2-4mm
				Ac	W	W				55.50	57.00	1.50	56162			100%	56.05m - 35° CA 6mm 56.25m 48° CA
																5	56.45m - 45° CA Qz vm frag 56.52m

Footage		Rock Type	Alteration								Assays						% RCVRY	Description	Page No.	7 of 14
From (m)	To (m)		S	A	C	Se	Py	Qv	T	From (m)	To (m)	Width (m)	Sample No.	Au ppb	Ag ppm					
																			3 matrix rich zones.	
																			55.65 - 56.00 m.	
																			56.20 - 56.50 m.	
																			56.85 - 57.00 m.	
					TR	TR				57.00	58.50	1.50	56163				100		matrix zones 57.3 - 57.45 m. 20%	
																	4		57.55 - 57.80 m. 5%	
																			57.60 m. 58.05 - 58.32 m. 35%	
																			3mm white clay seam 75° CA 2mm ORANGE 57.1 60° CA	
					W	—				58.50	60.00	1.50	56164				100		Breccia	
																	5		58.15 - 60.0 m. 10-15% MATRIX	
																			CA 45° 55° BANDS of MATRIX	
																			also irregular masses and sub parallel seams	
					TR	W				60.00	61.50	1.50	56165				100		BRECCIAS	
				AC													4		60.35 - 60.65 m. - 20% matrix	
																			irregular white clay seams w/ smectite { AC	
																			≈ 65° CA	
																			61.40 - 61.50 m. - 10% matrix 2mm BND @ 62	
			W		TR	M				61.50	63.00	1.50	56166				100		flow banding textures 62.00 - 62.70 m and 3	
																	4		BRX	
																			61.65 - 61.95 m. 20% matrix	
																			62.80 - 62.90 m. 35% matrix	
																			Clay Band with smectite @ 62.40 m. 6mm @ 30°	
			W		—	W				63.00	64.50	1.50	56167				100		Near continuous BRX	
																	4		10-15%	
																			CA 82° matrix BND @ 63.3 m.	
																			WHITE Clay seam @ 64.45 m. 3mm. 60° CA.	

Footage		Rock Type	Alteration							Assays						% RCVRY	Description
From (m)	To (m)		S	A	C	Se	Py	Qv	T	From (m)	To (m)	Width (m)	Sample No.	Au ppb	Ag ppm		
					W	W-M				64.50	66.00	1.50	56168			100	BRX
																4	-64.70-65.40m 10-15% matrix
																	64.50-64.70m flow banding textures
																	65.20m - 4cm mass of white Qz in BRX
																	65.75-66.00m pervasive smectite alt
																	with clay rich seams + carb
					W	W/P				66.00	67.50	1.50	56169			100	BRX 66.20-67.00m 4% matrix
																6	sub parallel BNS 3-4cm
																	irregular discordant BNS
																	67.00-67.50m - Pervasive smectite
					TR	W/M				67.50	69.00	1.50	56170			100	BRX - 67.70-68.20m 10% matrix chaotic
																3-4	68.60-69.10 60% matrix massive
																	68.30-68.50m - flow band textures
																	67.50-67.85 - Pervasive smectite + carbonate
					-	W				69.00	70.50	1.50	56173			100	BRX 69.40-70.10m 20%
																5	70.10-70.35m - black massive f.g
																	granular tourmaline BRX in 5% volc
																	frags in black matrix
																	Upper CN - Broken $\approx$ 85°C
																	Lower CN 35°C - 2m in white-greenish clay
																	seam on contact
																	70.35-70.50m BRX 15% matrix
																	69.70m - wispy light grey Qz frags in BRX



Footage		Rock Type	Alteration								Assays					% RCVR	Description
From (m)	To (m)		S	A	C	Se	Py	Qv	T	From (m)	To (m)	Width (m)	Sample No.	Au ppb	Ag ppm		
					TR	W				70.50	72.00	1.50	56174			98%	70.65-70.85m BRX 12% grey matrix
																3-4	71.05-71.65m BRX 12% massive to dendritic "swirly" grey matrix, FG black granular masses (tourmaline) @ 70.75m, 71.28m, 71.60m. 5-ben. 71.63m broken vn?
																	71.75-72.00m BRX 65% Grey matrix
					W	TR				72.00	73.50	1.50	56175			99%	72.20-72.40m flow textures?
																5	BRX 72.20-72.25m 10% grey matrix
																	72.70-73.50m BRX 15-20% Matrix
																	intense 73.05-73.50m occasional f.g. black fragments with amorphous Qz bands (cht?)
					TR/W	TR				73.50	75.00	1.50	56176			100%	Intermittent BRX throughout - 5-7% matrix
																3-4	73.75-73.95m - intensely altered "bird's foot" gabbro? with BRX.
																	74.05m - flow textures
																	74.85m - flow textures
																	74.90-75.00m - Breccia Band. CA's 35°
																	Fe Carb and Calcite rounded "phenos"
					W	-	W			75.00	76.50	1.50	56177			100%	BRX - 75.00-76.15m. 7% matrix upper CN at 50°
																3	75.80m - flow texture @ $\approx 37^\circ$ CA.
																	76.00m - 1cm frag of light grey f.g. Qz in Br.
																	76.15-76.50m porous-banded Qz with smectite altered intervals < 1cm.



Footage		Rock Type	Alteration							Assays						% RCVRY	Description	Page No.
From (m)	To (m)		S	A	C	Se	Py	Qv	T	From (m)	To (m)	Width (m)	Sample No.	Au ppb	Ag ppm			11 of 14
			TR		W	W				79.50	81.00	1.50	56180			99% 5	Flow bnd textures throughout in test sub-parallel - 50° CA. Minor local fracture with clay seams irregular 72.85 - 80.00m BRX 15% matrix "Birds foot" por frag and Qfp. Upper CN @ 45° CA. ? irregular CN's lower CN @ 40° CA 80.15 - 80.75m Variable BRX 10-15% matrix Flow textures sub // to matrix sub // to CH. Heterolithic frags Qfp, pale light gr Volc	
			TR Ac		W					81.00	82.50	1.50	56181			99% 5	Variably BRX - 5-7% matrix Heterolithic frags. 81.5 - 82.0m - irregular fractures clay and Ac	
					W	TR				82.50	84.00	1.50	56182			99% 5	BRX variably 75% of section matrix 5-7% Heterolithic clasts "Birds foot" por, calcite amygdaloids in volc, pale green act volc, Qfp Coarse light - med grey f.g. "chest" frags 2x2cm at 83.25m Clay or irregular fractures 83.0 - 83.5m	
			TR		M	TR				84.00	85.50	1.50	56183			100% 4-5	Heterolithic BRX Semi Continuous matrix 12-15% 84.10 - 84.60 m - irregular discontinuous fracture with clay	

Footage		Rock Type	Alteration							Assays						% RCVRY	Description	Page No.
From (m)	To (m)		S	A	C	Se	Py	Qv	T	From (m)	To (m)	Width (m)	Sample No.	Au ppb	Ag ppm			12 of 14
					M.	P				85.50	86.35	0.85	56184			96% 4	Heterolithic BRX 85.50 - 85.95m Matrix: 70°CA @ 85.95m 85.95m-86.25m - intense pervasive altered green smectite zone Grey or eyes as remnants. lower contact 86.35m 3cm clay/mud lean core ground but remnant surge 90°CA. -	
86.35	97.25	BSLT M/JOL															Medium Green fine grained massive basalt. Altered strongly to dull Brown with coarse calcite "amygdaloids" 1m - 10mm occasional fine calcite stringers.	
			TR		M					86.35	87.85	1.50	56185			100% 4-5	Dun altered BSLT (M/JOL) Coarse calcite "amygdaloids" angular. up to 10% 86.95 - 87.40m BRX siliceous medium grey matrix irregular for 5cm bn @ 87.40m @ irregular cn.	
					M					87.85	89.55	1.70m	56186			100% 3	Dun altered BSLT Coarse Calcite "amygdaloids" 7-10% 88.3 - 88.9m BRX light grey matrix 5%. Blotchy to Dendritic distribution	

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From (m)	To (m)		S	A	C	Se	Py	Qv	T	From (m)	To (m)	Width (m)	Sample No.	Au ppb	Ag ppm		
					P					89.55	91.20	1.65	56187			100%	Weakly altered BSLT. Gradational changes with f.g. med. green 2-3% fine white calcite strags on lin bns.
					P					91.20	92.20	1.50	56188			100%	Moderately altered Dun coloured BSLT with calcite "amygdules" increasing down section.
					P					92.70	94.20	1.50	56189			95%	DUN altered BSLT with calcite amygduloid and local 1mm Black "irised" eyes siliceous.
					P					94.20	95.70	1.50	56190			95%	Dun altered BSLT with calcite amygs

5-6

94.20 - 95.10m Broken lineolar fracture zones with calcite med and brown porcellaneous fracs.  
94.80m - grey siliceous amorphous mass 0.5-2% grey matrix

93.50m - mud seam 3cm @ 62° CA  
93.60m - 6cm BRX BN. 25% Dark grey matrix with light brown porcellaneous mass containing white calcite swirles. BNS.  
93.50 - 94.20m Clay rich fractures subll with calcite

