

PROJECT No.: [REDACTED]

RECORD OF BOREHOLE: BH-23-07

SHEET 1 OF 3
 DATUM: [REDACTED]

LOCATION: Heap Leach Embankment

BORING DATE: September 17th and 18th, 2007

N: -6913081 E: -411933

Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

SAMPLER HAMMER, 64kg; DROP, 762mm

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		SAMPLE / CORE		GRADATION %			HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY % SAMPLE CORE	GRAVEL	SAND	FINES	WATER CONTENT PERCENT					
													10 ⁶	10 ⁵			10 ⁴	10 ³
0		Ground Surface		0.00														
1	ENCORE Solid Stem Auger / SPT	SP, poorly graded SAND, with gravel, trace silt, sub-rounded to rounded fine to medium gravel, fine to medium sand, some silty sand lenses, moist, light brown.																
2		SC-SM, clayey SAND to silty SAND, few gravel, fine to coarse sub-rounded, compact.		1.60		DO	15											
3	ENCORE Hollow Stem Auger / SPT	SW, well graded SAND, with gravel to gravelly, trace silt, sub-angular to rounded, with silty sand lenses, moist, light brown.		2.00														
4		SC-SW, clayey SAND, with gravel to gravelly, well graded, dense, with wood debris.		3.00	1	DO	43			29	40	31				MH		
5		No recovery.		3.45														
6		SC-GC, clayey SAND and clayey GRAVEL, trace cobbles, dense, moist, light brown.		4.00		DO	30											
7	ENCORE Hollow Stem Auger / SPT	No recovery.		4.45														
8		SC, clayey SAND, with gravel, fine to coarse sand, dense, moist, light brown, contains serpentinized granite.		5.00		DO	36											
9		No recovery.		5.45														
10		SP, poorly graded SAND, with gravel, trace silt, rounded to angular, fine to coarse gravel, cobbles at 6.4 m, moist, dense, light brown.		6.00		DO	48											
11	ENCORE Hollow Stem Auger / SPT	No recovery.		6.45														
12		CL-SC, clayey SAND and CLAY, few gravel, fine to coarse sand and gravel, dense, light brown. [Nf below 7.3m]		7.00		DO	32											
13		SC, clayey SAND, trace gravel.		7.55	2	ST				2	37	61				MH, DS		
14		CONTINUED NEXT PAGE																

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CUSTOM LOG 6 (CARMACK COPPER) ALL 2007 HOLES.GPJ GLDR CAN_ABB.GDT 03/04/08

DEPTH SCALE

1 : 40

PROJECT No. [REDACTED]

RECORD OF BOREHOLE: BH-23-07

SHEET 2 OF 3
DATUM: [REDACTED]

LOCATION: Heap Leach Embankment

BORING DATE: September 17th and 18th, 2007

N: -6913081 E: -411933

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DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		SAMPLE / CORE		GRADATION %			HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION			
		DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %		GRAVEL	SAND	FINES	WATER CONTENT PERCENT					
									SAMPLE	CORE				10 ⁻⁶			10 ⁻⁵	10 ⁻⁴	10 ⁻³
8	ENCORE Hollow Stem Auger / SPT	SC, clayey SAND, with gravel, fine, light brown. [Nf]	[Pattern]	8.00		DO	27												
		No recovery.		8.45															
9	ENCORE Hollow Stem Auger / SPT	SW, SAND, well graded with gravel. - 9.0 m to 9.35 m [Nbn] - 9.35 m [Vx, 1.8 cm x 1 cm]	[Pattern]	9.15		DO	32												
		CL, sandy CLAY, few gravel, rounded. [Nf]	[Pattern]	10.00															
10	ENCORE CRREL / SPT	Boulder.	[Pattern]	10.60		GS	3			15	43	42							
		SC, clayey SAND, with gravel, well graded, rounded. [Nf to Nbn]	[Pattern]	11.00															
11	ENCORE CRREL / SPT	Boulder.	[Pattern]	12.00															
		SC, clayey SAND, with gravel, trace cobbles. [Nbe, Nbn]	[Pattern]	14.40		DO	50												
12	ENCORE CRREL / SPT	CL, sandy CLAY, few gravel, rounded. [Nbn]	[Pattern]	14.85		GS	4			12	27	61							
		CL, sandy CLAY, with gravel. [Nf]	[Pattern]																

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DEPTH SCALE

1 : 40

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PROJECT No.: [REDACTED]

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SHEET 3 OF 3
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DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		SAMPLE / CORE		GRADATION %			HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOW/S0.3m	REIN No.	RECOVERY %	GRAVEL	SAND	FINES	WATER CONTENT PERCENT					
													10 ⁸	10 ⁶			10 ⁴	10 ²
16	ENCORE CRREL / SPT	COBBLES AND BOULDERS.	[Strata Plot: Cobble pattern]	16.00	6	GS												
17		SC, interlayered CLAY and SAND, trace gravel, few cobbles. [Nf from 17.5 m]	[Strata Plot: Layered pattern]	17.00												18/09/2007 ▽		
		- 17.4 m wet.																
18		COBBLES AND BOULDERS	[Strata Plot: Cobble pattern]	17.70														
		CL, sandy CLAY, with gravel, occasional fine sand lenses. [Nf]	[Strata Plot: Diagonal lines]	18.00														
19		CL, sandy CLAY, with rounded gravel.	[Strata Plot: Diagonal lines]	19.30	5	GS				16	17	67				MH		
20	CL, CLAY, few sand and fine rounded gravel.	[Strata Plot: Diagonal lines]	20.50															
21	Slightly weathered granite COBBLES OR BOULDER OR BEDROCK.	[Strata Plot: Dotted pattern]	21.00															
	End of BOREHOLE.																	

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