

PROJECT No. [REDACTED]

RECORD OF BOREHOLE: BH-12-07

SHEET 1 OF 9

LOCATION: Waste Rock Storage Area

BORING DATE: September 7th and 8th, 2007

DATUM: [REDACTED]

N: -6914194 E: -411596

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

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/SO. 3m	RECOVERY %	GRAVEL	SAND	FINES	WATER CONTENT PERCENT		
0		Ground Surface		0.00										T07-04
0.61		PT, PEAT, silty, trace gravel, occasional roots, soft to firm.												
1.52		GM-GP, silty GRAVEL, with sand, trace clay, rounded to sub-rounded gravel, loose to compact, light brown. - 1.52 m [Nbn]												
1.83														
2.83		SW, well graded SAND, with silt, few gravel, rounded to sub-rounded, grey. [Nbn]			1	GS		12	64	24		○		
3.35														
4.35	Klausner Diamond Drill				2	GS						○		
5.40		GM-SM, silty GRAVEL and silty SAND, trace clay, angular to sub-angular gravel, drilled volcanic rock and piece of granite max. size 15 cm, grey. [Nbn, Nf]												
6.40														
7.40		SW, gravelly SAND, with silt, trace clay, well graded, rounded to sub-rounded gravel with drilled cobbles of granite, max. size 15 cm, grey. [Nbn, Vx]			3	GS		29	45	26				
8.40														

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CUSTOM LOG 6 (CARMACK COPPER) ALL 2007 HOLES.GPJ GLDR_CAV_ABB.GDT 03/04/06

DEPTH SCALE
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PROJECT No.: [REDACTED]

RECORD OF BOREHOLE: BH-12-07

SHEET 2 OF 9

LOCATION: Waste Rock Storage Area

BORING DATE: September 7th and 8th, 2007

DATUM: [REDACTED]

N: ~6914194 E: ~411596

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

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			10 ⁻⁶	10 ⁻⁵	10 ⁻⁴	10 ⁻³		
8	Kiliana Diamond Drill	SC, clayey SAND with silt, few gravel, trace cobbles, angular to sub-rounded gravel, cobbles of granite, max. size 13 cm, grey. [Vx, Nbn, Nbe] (continued)		7.90																
10				4	GS					8	45	47								
12				5	GS						6	44	50							
13					SC-CL, clayey SAND to sandy CLAY, with silt, trace to few gravel, light brown. [Nbn, Vx, individual crystals >2mm thick]															
14		SM-SC, silty SAND to clayey SAND, trace to few gravel, light brown.																		
15																				
16		GM-GP, sandy, silty GRAVEL, trace clay, angular to sub-angular gravel, with pieces of drilled granite rock, grey.																		
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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-12-07

SHEET 3 OF 9
 DATUM [REDACTED]

LOCATION: Waste Rock Storage Area
 N: -6914194 E: -411598

BORING DATE: September 7th and 8th, 2007

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

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		
16	Klaive Diamond Drill	GM-GP, sandy, silty GRAVEL, trace clay, angular to sub-angular gravel, with pieces of drilled granite rock, grey. (continued)	[Strata Plot: Gravel]	16.65										T07-04
17		SC-SM, clayey SAND to silty SAND, trace gravel, non-plastic to low plasticity, light grey. [Nbn, Vx]	[Strata Plot: Sand]											
18														
19														
20		CL-ML, SILT and CLAY, with sand, trace gravel, drilled cobbles of granite up to 60 cm long, one drilled quartzite, max. size 5 cm long. [Vx, Nbn]	[Strata Plot: Clay/Silt]	18.60	6	GS			5	24	71			
21														
22		- 21.65 to 21.68 m a lense of silty clay. [Vx]	[Strata Plot: Silty Clay]	21.68										
23		GC-SC, clayey GRAVEL and SAND, light brown.	[Strata Plot: Gravel/Sand]		7									
24		SP, gravelly SAND, with silt, trace clay, low to medium plasticity. [Vx up to 1 cm thick]	[Strata Plot: Sand]											

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

DEPTH SCALE
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PROJECT No. [REDACTED]

RECORD OF BOREHOLE: BH-12-07

SHEET 4 OF 9

LOCATION: Waste Rock Storage Area

BORING DATE: September 7th and 8th, 2007

DATUM: [REDACTED]

N: -6914194 E: -411596

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

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	RECOVERY %	GRAVEL	SAND	FINES	10 ⁻⁶		
24		SP, gravelly SAND, with silt, trace clay, low to medium plasticity. [Vx up to 1 cm thick] (continued)												
25		SM-SC, silty SAND to clayey SAND, fine to medium sand, light to medium brown. [Nbr]		24.69										22
25		GP, sandy GRAVEL, with silt, rounded to sub-angular gravel.		25.44										
25		GM-ML, silty GRAVEL and gravelly SILT, with fine sand, and silt lenses, non-plastic.		25.78	8	GS		42	8	50			O	MH
26		SP, gravelly SAND, with silt, trace clay, fine to medium gravel.		26.01										
27		SP, gravelly SAND, fine to medium, sub-rounded to sub-angular gravel with 3 cm thick lenses of fine sand and silt.		26.38										
27				27.02										
28	Milane Diamond Drill	SC-ML, sandy SILT to clayey SAND, trace to few gravel with drilled pieces of granite up to 3 cm long, grey.												
29				29.27										
30		SM-ML, silty SAND to sandy SILT, trace to few gravel with drilled pieces of granite up to 3 cm long, fine sand.												
30		SM-SC, silty SAND and sandy CLAY, layers of fine clean sand, 2 cm to 3 cm thick and brown clay 5 cm to 7 cm thick.		30.03										
30		GP, sandy GRAVEL, medium to coarse, rounded to sub-rounded gravel.		30.32										
31		SC-SM, clayey, silty SAND, alternating layers of sand and fines.		30.80										
31				30.98										
32		GC, sandy, clayey GRAVEL, few gravel drilled pieces up to 7 cm long granite cobbles, light brown.												
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CUSTOM LOG B (CARMACK COPPER) ALL 2007 HOLES.GPJ GLDR_CAN_ASB.GDT 03/04/08

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DEPTH SCALE

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PROJECT No: [REDACTED]

RECORD OF BOREHOLE: BH-12-07

SHEET 5 OF 9

LOCATION: Waste Rock Storage Area
 N: -6914194 E: -411598

BORING DATE: September 7th and 8th, 2007

DATUM: [REDACTED]

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

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	
32	Kulue Diamond Drill	GC, sandy, clayey GRAVEL, few gravel drilled pieces up to 7 cm long granite cobbles, light brown. (continued)		33.38										T07-04		
33																
34																
35																
35	Kulue Diamond Drill	- 34.91 m to 36.49 m drilled pieces of granite.												24		
36																
37																
38																
37	Kulue Diamond Drill	SP, gravelly SAND, trace to few silt, sub-angular to angular gravel, moist, greyish-brown.														
38																
39																
40																

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CUSTOM LOG 6 (CARMACK COPPER) ALL 2007 HOLES.GPJ GLDIR CAN ABB.GDT 0304106

DEPTH SCALE
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PROJECT No.: [REDACTED]

RECORD OF BOREHOLE: BH-12-07

SHEET 7 OF 9

LOCATION: Waste Rock Storage Area

BORING DATE: September 7th and 8th, 2007

DATUM: [REDACTED]

N: -6914194 E: -411586

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

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/50.3m	RUN No.	RECOVERY %	GRAVEL	SAND	FINES			WATER CONTENT PERCENT	
48	Kjane Diamond Drill	SP, gravelly SAND, trace to few silt, trace clay, sub-angular to angular gravel, fine sand, dense to very dense, light grey. (continued)												T07-04		
49																
50																
51																
52																
53																
54		- 54.05 m to 54.12 m drilled gravel and cobbles.														
55		- 55.05 m to 55.15 m drilled gravel and cobbles.														
56		GM, sandy, silty GRAVEL, drilled cobbles, max. size 24 cm, angular to sub-angular gravel, dense to very dense, light brown to brown.		55.18												
		CONTINUED NEXT PAGE			13											

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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-12-07

SHEET 8 OF 9
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N: -6914194 E: -411598

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DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		SAMPLE / CORE		GRADATION %			HYDRAULIC CONDUCTIVITY, k_v , 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			10 ⁻⁴
56		GM, sandy, silty GRAVEL, drilled cobbles, max. size 24 cm, angular to sub-angular gravel, dense to very dense, light brown to brown. (continued)			13										
57		ML, SILT, trace clay, trace gravel, low plasticity to non-plastic, grey.		56.89	14										
		GP, sandy GRAVEL, trace to few silt, sub-rounded to sub-angular gravel, dense to very dense, grey.		57.13											
		ML, SILT, trace clay, low plasticity to non-plastic, stiff.		57.31											
58				57.68											
59		Highly weathered granodiorite BEDROCK to gravelly SAND, with silt, fine to medium sand, dense to very dense, with pieces of granodiorite.													
60	Rotary Diamond Drill			59.90											
61		Highly to moderately weathered and altered BEDROCK, friable grains of quartz, some altered to silt.			15	GS									
62															
63		Granodiorite BEDROCK, slightly to moderately weathered, coarse-grained, medium strong, moderately-close spaced fractures, greenish-white.		62.40											
64															

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DEPTH SCALE

1 : 40

CUSTOM LOG 6 (CARMACK COPPER) ALL 2007 HOLES.GPJ GLDR_CAN_ABB_GDT_03/04/08

PROJECT No.: [REDACTED]

RECORD OF BOREHOLE: BH-12-07

SHEET 2 OF 2
 DATUM: [REDACTED]

LOCATION: Waste Rock Storage Area
 N: -6914194 E: -411598

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		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %	GRAVEL	SAND	FINES	10 ⁻⁶		10 ⁻⁵	10 ⁻⁴	10 ⁻³	
64	Diamond Drill	Granodiorite BEDROCK, slightly to moderately weathered, coarse-grained, medium strong, moderately-close spaced fractures, greenish-white. (continued)	[Pattern]	67.57	15	GS												
65																		
66																		
67																		
68		End of BOREHOLE. Thermistor installed and backfilled with grout to ground surface.																
69																		
70																		
71																		
72																		

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DEPTH SCALE
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