

PROJECT No.: [REDACTED]

RECORD OF BOREHOLE: BH-14-07

SHEET 3 OF 12

LOCATION: Waste Rock Storage Area

BORING DATE: September 10th, 11th, and 12th, 2007

DATUM: [REDACTED]

N: -6914499 E: -411696
 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				
												10 ⁻⁶	10 ⁻⁵	10 ⁻⁴	10 ⁻³		
												Wp -----○----- Wl					
												10	20	30	40		
16		ML-OL, SILT, trace to few sand, trace clay, trace to few gravel, fine sand lenses of sandy organic silt, non-plastic, dark grey. [Nbn, Vs] (continued)		5	GS				9	62	29						NH
17		- 17.53 m to 18.59 m sandy, silty gravel.															
18		- 18.60 m to 20.12 m [Vx, 3 cm long by 4 cm diameter] SP, poorly graded SAND, trace silt, fine to medium. [Nbn]															
19																	
20	Kjane Diamond Drill																
21		GM, sandy, silty, GRAVEL. [Nbn] - 21.37 m to 21.49 m ML, SILT, dark grey.															
22		GM-GP, sandy silty GRAVEL, with drilled pieces of granodiorite cobbles up to 11 cm, light brown to grey, ice 15 cm long, 2 cm diameter, ice with sand inclusions. [Vx]															
23		- 23.17 m to 24.69 m ice inclusions. SP-SM, silty SAND, with gravel, trace to few clay, fine sand, angular to sub-angular gravel, drilled cobbles of diorite (11 cm long), grey. [Vx, Nbn]															
24		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-14-07

SHEET 4 OF 12

LOCATION: Waste Rock Storage Area

BORING DATE: September 10th, 11th, and 12th, 2007

DATUM: [REDACTED]

N: -6914499 E: -411696

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			10 ⁻⁶
24	Kulue Diamond Drill	- 24.69 m to 26.55 m with cobbles.													
26		SP-SM, silty SAND, with gravel, trace to few clay, fine sand, angular to sub-angular gravel, drilled cobbles of diorite (11 cm long), grey. [Vx, Nbn] (continued)													
27		- 27.13 m to 27.74 m [Vs, 3 cm by 2 cm]		6	GS										
28		- 27.74 m to 29.26 m [Vs]													
30		CL-OL, CLAY, trace to few sand, trace gravel, trace clay, angular to sub-angular gravel, fine sand, low to medium plasticity, grey to dark grey. [Nbn, Vs, 6 cm by 2 cm]													
31															
32															

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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-14-07

SHEET 5 OF 12

LOCATION: Waste Rock Storage Area
 N: -6914499 E: -411696

BORING DATE: September 10th, 11th, and 12th, 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 % SAMPLE CORE	GRAVEL	SAND	FINES	10 ⁻⁶	10 ⁻⁵			10 ⁻⁴
32	Kluane Diamond Drill	- 32.72 m to 33.84 m increasing sand.			7	GS			0	6	94						
33																	
34		- 33.84 m to 35.36 m ice and [Nbn].															
35		CL-OL, CLAY, trace to few sand, trace gravel, trace clay, angular to sub-angular gravel, fine sand, low to medium plasticity, grey to dark grey. [Nbn, Vs, 6 cm by 2 cm] (continued)															
36																	
37																	
38		- 38.13 m to 38.24 m sand lenses, medium sand.															
39		SM-SP, SAND, with silt, fine to medium sand, rotten wood pieces, dark brown to dark grey. [Nbn, Vx, ice 2 cm by 4 cm]															
40																	

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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-14-07

SHEET 6 OF 12
 DATUM: [REDACTED]

LOCATION: Waste Rock Storage Area

BORING DATE: September 10th, 11th, and 12th, 2007

N: -6914499 E: -411696

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, $k, \text{cm/s}$		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		
40	Kjane Diamond Drill	SM-SW, well graded SAND, with silt lenses up to 4 cm thick, grey to dark grey. [Nbn] (continued)	[Pattern]	39.93										
41														
42		ML-CL, SILT and CLAY, with fine sand, non-plastic to low plasticity, with lense of sand, grey to dark grey. [Nbn]	[Pattern]	41.48	9	GS								
43		SM, SAND, with silt, fine to medium sand, with lenses of dark grey to black silt. [Nbn]	[Pattern]	42.98										
44		ML, SILT, with sand, trace clay, fine sand, low plasticity to non-plastic. [Nbn]	[Pattern]	44.20										
45		SW, SAND, well graded, trace silt. [Nbn]	[Pattern]	45.12										
46		ML, SILT, trace to few sand, fine, micaceous. [Nbn]	[Pattern]	45.57										
47		GM, silty sandy GRAVEL, trace to few clay, fine sand, sub-rounded to sub-angular gravel, drilled angular fragments of granite, 3 cm long. [Nbn]	[Pattern]		10									
48														

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DEPTH SCALE

1 : 40

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

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PROJECT No: [REDACTED]

RECORD OF BOREHOLE: BH-14-07

SHEET 7 OF 12

LOCATION: Waste Rock Storage Area

BORING DATE: September 10th, 11th, and 12th, 2007

DATUM: [REDACTED]

N: -6914499 E: -411696

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, $k, \text{cm/s}$				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						
													Wp	W			Wi	Wl	
48	Diamond Drill	GM, silty sandy GRAVEL, trace to few clay, fine sand, sub-rounded to sub-angular gravel, drilled angular fragments of granite, 3 cm long. [Nbn] (continued)																	
49																			
50																			
51				- 50.60 m to 51.82 m [Vr, Nbn]	50.60														
52				ML, SILT, with sand, trace to few clay, trace to few sub-angular to sub-rounded gravel, fine sand, max. size 8 cm, low plasticity, grey. [Nbn to 52.74 m]		11													
53		- 52.74 m mud used in drilling prevents further observation of frozen ground conditions.																	
54		No Recovery.	52.74																
55		ML, SILT, with sand, trace to few clay, trace to few sub-angular to sub-rounded gravel, fine sand, max. size 8 cm, low plasticity, grey.	53.66																
56		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-14-07

SHEET 8 OF 12
 DATUM: [REDACTED]

LOCATION: Waste Rock Storage Area
 N: ~6914499 E: ~411696

BORING DATE: September 10th, 11th, and 12th, 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 % SAMPLE CORE	GRAVEL	SAND	FINES			10 ⁻⁶
56	Kjane Diamond Drill	ML-CL, SILT and CLAY, low plasticity to non-plastic, micaceous, grey.	[Pattern]	56.00	12										
57		ML, sandy SILT, with gravel, trace clay, fine sand, angular to sub-angular gravel, low plasticity to non-plastic, drilled fragments of granodiorite, grey.	[Pattern]	56.40											
58		GM-GP, sandy silty GRAVEL, trace clay, fine to medium sand, angular to sub-angular gravel, drilled cobbles of granite/gneiss up to 23 cm long.	[Pattern]	57.60											
59															
60				60.05											
61					13										
62		ML-CL, clayey SILT and CLAY, trace sand, low to medium plasticity, grey.	[Pattern]												
63															
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-14-07

SHEET 9 OF 12
DATUM: [REDACTED]

LOCATION: Waste Rock Storage Area
N: -6914499 E: -411696

BORING DATE: September 10th, 11th, and 12th, 2007

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

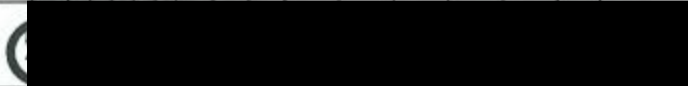
DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		SAMPLE / CORE			GRADATION %			HYDRAULIC CONDUCTIVITY, k, cm/s		ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION			
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	RUN No.	RECOVERY %	GRAVEL	SAND	FINES	10 ⁻⁶			10 ⁻⁵		
64	Klause Diamond Drill	ML-CL, clayey SILT and CLAY, trace sand, low to medium plasticity, grey. (continued)	[Hatched Pattern]															
65																		
66																		
67																		
68																		
69																		
70																		
71																		
72																		

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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-14-07

SHEET 10 OF 12
 DATUM: [REDACTED]

LOCATION: Waste Rock Storage Area

BORING DATE: September 10th, 11th, and 12th, 2007

N: ~6914499 E: ~411696

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_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		
72	Diamond Drill	ML-CL, clayey SILT and CLAY, trace sand, low to medium plasticity, grey. (continued)	[Hatched Pattern]											
73														
74				74.30	14									
75		SW, well graded SAND, trace to few silt, trace clay, micaceous, black, organic odour.	[Dotted Pattern]											
76		GW-SW, well graded SAND and GRAVEL, few silt, trace clay, greenish-grey, no odour.	[Gravel Pattern]	75.30	15									
77		ML, sandy SILT, trace clay and gravel, fine to medium sand, grey.	[Dotted Pattern]	76.96										
78				77.07										
79		SW, well graded SAND, trace silt, dark grey.	[Dotted Pattern]											
80		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-14-07

SHEET 11 OF 12

LOCATION: Waste Rock Storage Area

BORING DATE: September 10th, 11th, and 12th, 2007

DATUM: [REDACTED]

N: -6914499 E: -411696
 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 ⁻²
80	Kiluahe Diamond Drill	- 80.18 m to 81.11 m silty sand lenses.													
		SW, well graded SAND, trace silt, dark grey. (continued)													
81				81.11											
		ML, SILT, with sand, grey to dark grey.													
82				81.70											
83		- 83.40 m to 83.57 m, ML, SILT. GW-SW, sandy GRAVEL to gravelly SAND, trace silt, well graded angular to sub-angular gravel, with fine sand lenses up to 3 cm thick, grey.													
84															
85															
86		ML-SM, SILT and gravelly, silty SAND, interlayers of silt, fine to medium sand and gravelly sand.													
87			85.17												
88		SW, well graded SAND, trace to few silt, layers of fine and coarse sand.													
			87.04												

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CUSTOM LOG 6 (CARMACK COPPER) ALL 2007 HOLES.GPJ GLDR_CAN_ABB.GDT 030408

DEPTH SCALE

1 : 40

PROJECT No.: [REDACTED]

RECORD OF BOREHOLE: BH-14-07

SHEET 12 OF 12
 DATUM: [REDACTED]

LOCATION: Waste Rock Storage Area

BORING DATE: September 10th, 11th, and 12th, 2007

N: -6914499 E: -411696

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DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES			SAMPLE / CORE		GRADATION %			HYDRAULIC CONDUCTIVITY, $k, \text{cm/s}$		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 ⁻⁴		
88	Kiuno	SW, well graded SAND, trace to few silt, layers of fine and coarse sand. (continued)													
88.41		End of BOREHOLE. Backfilled with grout to ground surface.													

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

DEPTH SCALE

1 : 40