

Contractor: Hy-Tech Drilling  
 Location: Class A Storage Facility  
 Coordinates: 414,779 E, 6,818,386 N  
 Coordinate System: UTM09 NAD83  
 Hole Size HQ3

**Drillhole No.:** MW16-14D  
 Drill Type: Tech 5000 Diamond Drill  
 Total Length: 40.2m  
 Elevation: 1342 m  
 Inclination: -90

Page: 1 of 2  
 Date Started: 24 Jul 16  
 Date Completed: 25 Jul 16  
 Logged by: [REDACTED]  
 Reviewed by: [REDACTED]

DEPTH - (m)	ELEVATION - (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	RUN RECOVERY (%)	SAMPLE NO.	SAMPLE REC. (%)	SAMPLE TYPE	UCS BLOW COUNTS (PER 6")	SPT 'N' VALUE	KEY ROCK MASS PARAMETERS				INSTRUMENTATION / WELL DETAILS	DRILLING NOTES
										SPT TEST 'N' VALUES - X					
										20	40	60	80		
			<b>TOPSOIL (OVBN)</b> (0 to 0.2 m) SILT, some sand, fine grained, poorly graded, medium plasticity, dark brown, soft, massive, wet. (Topsoil)		SPT-01	63	X	2/3/7	10	X					
			<b>SANDY SILT (OVBN)</b> (0.2 to 3.5 m) Sandy SILT, some gravel, fine to coarse grained, angular, moderately well graded, low plasticity, medium greyish brown, stiff, massive, moist to wet.		SPT-02	62	X	5/12/16	28	X					
			<b>CLAY AND SILT (OVBN)</b> (3.5 to 4.8 m) CLAY and SILT, some gravel, trace fine sand, fine grained, poorly graded, medium plasticity, light to medium brown, stiff, laminated, wet.		SPT-03	52	X	5/11/16	27	X					
			<b>MAFIC VOLCANICLASTIC (MAFT)</b> (4.8 to 13.2 m) Greenish grey, fine grained, foliated, medium strong to strong. Highly fractured broken and rubble zones, moderately weathered with iron oxide infill.	17	SPT-04	100		50+	R						
								20							
					SPT-05	100		50+	R						
								48							
				92				40							
				85				40							
				44				60							
			<b>MUDSTONE (MDU)</b> (13.2 to 16 m) Medium to dark grey, fine grained, foliated, medium strong to strong, highly fractured broken zones, thick clay infill on some fractures. Slightly to moderately weathered with iron oxide staining and dissolution along fractures.	90				40							
				35				60							
			<b>MAFIC VOLCANICLASTIC (MAFT)</b> (16 to 16.3 m) Greenish grey, fine grained, foliated, medium strong, highly fractured broken zone, with dissolution vugs.	87				80							
			<b>MUDSTONE (MDU)</b> (16.3 to 21.7 m) Medium to dark grey, fine grained, foliated, strong, highly fractured, breaks along foliation. With quartz veinlets.	40				80							
				96				80							
				84				80							
			<b>MAFIC VOLCANICLASTIC (MAFT)</b> (21.7 to 28.4 m) Medium greenish grey, fine grained, foliated, strong to very strong. Moderately fractured, fresh to slightly weathered with iron oxide staining and clay infill on some fractures.	73				80							
				100				110							

13.2 - 22.2 m: Constant Head Test - K = 9E-06 m/s

20.2 - 31.2 m: Constant Head Test - K = 1E-05 m/s

**GENERAL REMARKS:**

Installed 1.25" monitoring well with 6 m screen. Completion zone from 31.85-37.85 m.

**BMC MINERALS (NO.1) LTD.  
KUDZ ZE KAYAH PROJECT**

**Knight Piésold  
CONSULTING**

Project No.	Ref. No.	Rev.
[REDACTED]	1	0

**FIGURE B1-14**

Logging conducted according to the ASTM 2488 standard and the Canadian Foundation Engineering Manual, 4th Edition, 2006.

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DEPTH - (m)	ELEVATION - (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	RUN RECOVERY (%)	SAMPLE NO.	SAMPLE REC. (%)	SAMPLE TYPE	UCS	BLOW COUNTS (PER 6")	SPT 'N' VALUE	KEY ROCK MASS PARAMETERS				INSTRUMENTATION / WELL DETAILS	DRILLING NOTES	
											SPT TEST 'N' VALUES - X						
											---	---	---	---			
1315			<b>MAFIC VOLCANICLASTIC (MAFT)</b> (21.7 to 28.4 m) Medium greenish grey, fine grained, foliated, strong to very strong. Moderately fractured, fresh to slightly weathered with iron oxide staining and clay infill on some fractures.	100				110									
30			<b>MUDSTONE (MDU)</b> (28.4 to 35.7 m) Medium to dark grey, fine grained, foliated, weak to medium strong, moderately to highly fractured with broken and rubble zones, some clay-filled zones. With calcite veinlets and dissolution along the foliation. Fresh to slightly weathered.	95				80									
1310				93				30									
				83				30									
35				75				20									
				85				30									
				92				40									
1305			<b>MAFIC VOLCANICLASTIC (MAFTA)</b> (35.7 to 36.1 m) Medium greenish grey, fine to medium grained, strong, foliated. Minor fracturing, fresh. With chlorite alteration and fine calcite veinlets.	100				70									
				84				2									
				100				35									
			<b>MUDSTONE (MDU)</b> (36.1 to 38.4 m) Dark grey with white, fine grained, weak to medium strong, foliated. Highly fractured, fresh to slightly weathered, with dissolution along foliation. Quartz and calcite veinlets throughout. Chlorite altered.	98				45									
40			<b>MAFIC VOLCANICLASTIC (MAFT)</b> (38.4 to 40.2 m) Medium grey and white, fine to medium grained, massive to foliated, strong. Minor fracturing, fresh to slightly weathered, clay and chlorite infill on some fractures. With calcite veinlets and massive quartz. End of Drillhole: 40.2 m Reached TD	97				90									
1300																	
45																	
1295																	

28.2 - 40.2 m: Constant Head Test - K = 2E-06 m/s

**GENERAL REMARKS:**

Installed 1.25" monitoring well with 6 m screen. Completion zone from 31.85-37.85 m.

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**FIGURE B1-14**

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