

BMC Minerals (No. 1) Ltd.

Borehole No: WW15-02

Project: KZK Hydrogeological Assessment

Project No: ENVMIN03071-01

Location: Kudz Ze Kayah

Yukon

UTM: 414843 E; 6815770 N; Z 9

Depth (m) ▼	Method	Soil Description	Notes and Comments	Depth (ft) ▼
0				0
1	Tricone	SAND AND SILT - some gravel, completely weathered schist, poorly graded, dry, loose, brown		2
2				4
3		SCHIST - highly weathered, dry, weak, light brown, iron staining in fractures		6
4		- light brown to grey		8
5		- soft, light brown		10
6				12
7				14
8		- some quartz, slightly weathered, light grey		16
9				18
10				20
11				22
12	DHH			24
13		- water observed flowing into borehole (@~0.3 L/s) following removal of drill rods		26
14				28
15				30
16				32
17				34
18				36
19				38
20				40



TETRA TECH EBA

Contractor: Midnight Sun Drilling

Completion Depth: 38.1 m

Drilling Rig Type: Air Rotary

Start Date: 2015 July 30

Logged By: AJS

Completion Date: 2015 July 30

Reviewed By: SK

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Depth (m)	Method	Soil Description	Notes and Comments	WW15-02	Depth (ft)
20					66
21		- damp, grey			68
22					70
23					72
24		- water in returns			74
25					76
26		- fresh, dark grey			78
27					80
28					82
29	DHH				84
30					86
31					88
32					90
33					92
34					94
35					96
36					98
37					100
38					102
39					104
40					106
					108
					110
					112
					114
					116
					118
					120
					122
					124
					126
					128
					130
		END OF BOREHOLE (38.10 metres) water - 0.84 metres above ground on October 3, 2015 PVC liner installed from 0.76 to 3.81 metres Note: Open hole from 3.4 to 38.1 metres			

← 22.90 m

Screen, 20 slot, schedule 40 PVC, 152mm OD, 133mm ID

← 35.00 m

Solid casing, schedule 40 PVC 152mm OD, 133mm ID

← 38.10 m



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Site: Kudz Ze Kyah
Job No.: ENVMIN03071
Well ID: WW15-02
Date: 30-Jul-15
Development Method: Jetting and air lifting

Development Record

Date	Time	Time Spent Developing (min)	Estimated Purge Rate During Development (US GPM)	Total Volume Purged During Development (gal)	Total Volume Purged During Development (L)	Turbidity (estimated tablespoons sand in 5 gal pail)	Notes
30 July, 2015	16:35	0	25	0	0	-	commence development
	16:36	1	25	25	95	4	
	16:42	7	25	175	662	1	
	16:51	16	25	400	1514	0.3	
	17:00	25	25	625	2366	0.3	
	17:10	35	25	875	3312	0.3	cease development, turbidity below desired 0.5 tablespoons for approx 20 min

Notes: Did not surge during development as driller worried about pressure blowing water to surface outside of the casing.