

Johnson

NW SW NW

20-13-22 E

HTW DRILLING LOG

HOLE NO.
67 MW 15

1. COMPANY NAME
Burns + McDonnell

2. DRILLING SUBCONTRACTOR
Razak Environmental

SHEET 1
OF 4 SHEETS

3. PROJECT
SWMU 67 RFI

4. LOCATION
SFAAP

5. NAME OF DRILLER
T. Razak

6. MANUFACTURER'S DESIGNATION OF DRILL
Geoprobe 7822-DT

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT
2 inch Probe
w/ Acetate Sampler
4 inch HSA
8 inch Air Hammer

8. HOLE LOCATION
9. SURFACE ELEVATION

10. DATE STARTED
3-27-18

11. DATE COMPLETED
3-30-18

12. OVERBURDEN THICKNESS

15. DEPTH GROUNDWATER ENCOUNTERED
Not Encountered

13. DEPTH DRILLED INTO ROCK

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
21.1' BGS 4/4/18

14. TOTAL DEPTH OF HOLE
30.0'

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES
NA DISTURBED UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES
NA

20. SAMPLES FOR CHEMICAL ANALYSIS
NA

VOC METALS OTHER (SPECIFY) OTHER (SPECIFY) OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE
BACKFILLED MONITORING WELL OTHER (SPECIFY)

MW-15

23. SIGNATURE OF INSPECTOR
[Signature]

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	0.5	SILTY CLAY, MH, Very Dark Brown (104R 2/2), Damp to Moist, Soft Consistency High Plasticity.	PID				Begin 1215
	1.0	CLAY; w/ SILT, ML, Brown (104R 4/3), Dry to Damp, Medium Consistency, Trace Plasticity	0.0				Continuous Logging
	1.5		0.0				
	2.0	CLAY, CH, Brown (104R 4/3) Dry to Damp, Medium Consistency High Plasticity.					
	2.5	Trace Iron + Magnesium nodules	0.0	NA	NA	NA	Relaxely 515
	3.0	Mottling Gray (2.54 5/1)					
	3.5		0.0				
	4.0	CL Medium Plasticity					
	4.5		0.0				

Johnson NW-SW-NW

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HTW DRILLING LOG

HOLE NO.
67 MW 15
SHEET 2
OF 4 SHEETS

PROJECT SWMU 67 RFI

INSPECTOR 67 MW 15

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	5.0	CLAY, CL, Brown (1042 4/3) Dry to Damp, Medium Consistency Medium Plasticity Trace Iron + Magnesium Nodules					
	5.5	Mottling Gray (2.54 5/1)	0.0				
	6.0						
	6.5	CLAY, CL, Dark Brown (1042 3/3) Dry to Damp, Stiff Consistency Trace Plasticity	0.0				
	7.0	Trace Iron + Magnesium Nodules					
	7.5	Mottling Reddish Brown (542 4/4) Gray (2.54 5/1)	0.0				Recovery 5.0/5.0
	8.0						
	8.5		0.0				
	9.0			NA	NA	NA	
	9.5		0.0				
	10.0						
	10.5		0.0				
	11.0						
	11.5		0.0				Recovery 5.0/5.0
	12.0	SHALE, Moderate Yellowish Brown (1042 5/4) w/ Light Olive Gray (54 6/1), Dry to Damp, Highly Weathered, Trace Plasticity, Laminated, Friable					
	12.5		0.0				
	13.0						

PROJECT SWMU 67 RFI

HOLE NO. 67 MW-15

HTW DRILLING LOG

HOLE NO.
67 MW 15
SHEET 3
OF 4 SHEETS

PROJECT			INSPECTOR				
ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	13.5	SHALE, Moderate Yellowish Brown (104R 5/4) w/ light olive gray (54 6/1), Dry to damp Highly weathered, Traced Plasticity, laminated, Friable.	0.0				Recovery 5.0/5.0
	14.0						
	14.5			0.0			
	15.0	Black (N1)					
	15.5		0.0				
	16.0						
	16.5		0.0				
	17.0	Dark Yellowish Brown (104R 4/2) w/ light olive gray (54 6/1)		NA	NA	NA	Recovery 5.0/5.0
	17.5		0.0				
	18.0						
	18.5		0.0				
	19.0	Moderate Yellowish Brown (104R 5/4)					
	19.5		0.0				
	20.0	LIMESTONE, Yellowish Gray (54 8/1) weathered					3-27-18 Finish 1300
	20.5	3-29-18 1620 Begin overdrill w/ HSA					Refusal @ 20.0' Continue 1705
	21.0	1650 HSA Refusal @ 20.0' 1705 Begin Air Rotary @ 20.0'					log from cuttings
	21.5	Medium Gray (N5)					

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SHEET 4
OF 4 SHEETS

PROJECT

INSPECTOR

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		LIMESTONE, Medium Gray (NS)					1714 STOP For the Day
	22.0	SHALE, Dusky Yellow (54 1/4). WET					3-30-18 0825 Continue
	22.5						
	23.0						
	23.5						Log from Cuttings
	24.0						
	24.5						
	25.0						
	25.5						
	26.0			NA	NA	NA	
	26.5						
	27.0						
	27.5						
	28.0						
	28.5						0840
	29.0						
	29.5						
	30.0	Bottom of Hole @ 30.0'					Finish 0850 Construct MW-15

PROJECT

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