

Log of Monitoring Well: MW09-1

Project Name/No: Stage 2 PSI/398-087.01

Client: BC Hydro

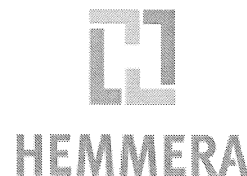
Date Drilled: 23/03/09

Site Location: Ruskin Dam

Drilling Company: Sonnic Drilling Ltd.

Drilling Method: Sonic

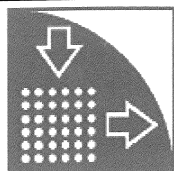
Logged by: Andrei Novikov



Sheet: 1 of 1

SUBSURFACE PROFILE				SAMPLE					Backfill details
Depth	Symbol	Description	Depth/Elev (m)	Sample ID	Analysed Y,N	Sample Type	Vapour ppm	LEL %	
-1		Ground Surface	14.46						
0		ASPHALT	0.00						
1		SAND	14.00	1	Y		200		
2		sand, medium to coarse grained, gravelly (fine, subrounded), with cobbles, yellowish-grey, loose to very loose, well graded, dry, no staining	0.46						
3		SILT	13.39	2	N		15		
4		silt, some gravel (fine, angular), some sand, some cobbles, light brown, loose, blocky, dry, no staining	1.07						
5		SAND		3	N		90		
6		sand, fine to coarse grained, some silt, trace gravel (fine, subrounded), brown to grey, medium dense, poorly graded, dry to wet (3.4 m), orange sand lenses (4.8 to 5.8 m), no staining							
7				4	N		70		
8									
9				5	Y		230		
10									
11									
12				6	N		30		
13									
14				7	N		25		
15									
16									
17				8	N		50		
18									
19									
20									
21			8.06						
22		SAND	6.40	9	N		110		
23		sand, fine grained, trace silt, trace gravel, grey, loose to medium dense, homogeneous, moist, no staining							
24				10	N		110		
25									
26									
27									
28									
29									
30			5.32						
31		End of Log	9.14						
32									

Well location: MW09-1	Well casing diameter: 0.05 (2")	Depth of well (TOC): 6.152 m (20'2")
Depth to water level (TOC): 2.084 m (6'10")	Well casing material: PVC	Well Elevation (TOC): 14.30 m
Date of water level: 06/04/09	Well screen slot size: 3.05 m (10")	Ground Elevation: 14.46 m
Borehole diameter: 0.1 m (4")	Well screen interval (bgs): 6.152 m - 3.102 m (20'2" - 10'2")	



Waterloo Hydrogeologic, Inc.

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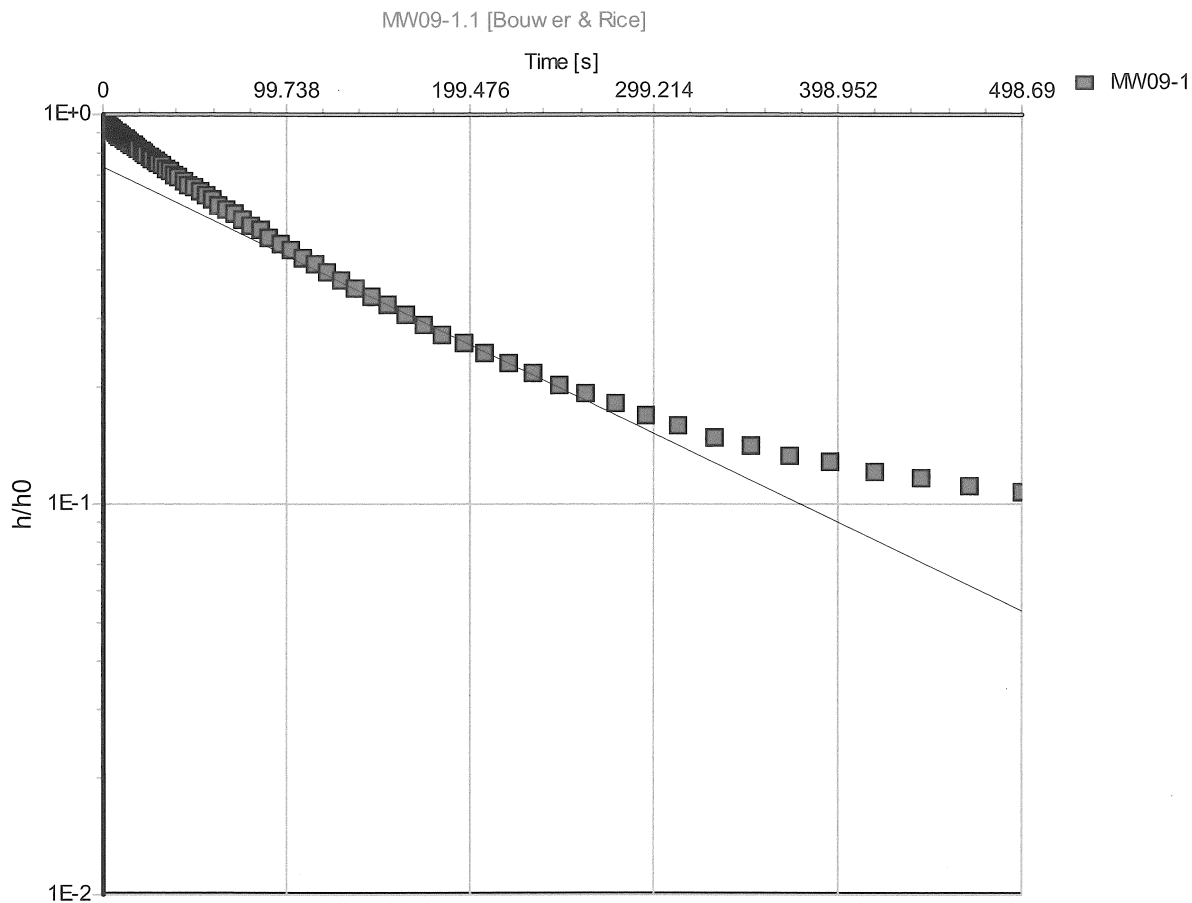
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Slug Test Analysis Report

Project: Ruskin Powerhouse

Number: 398-087.01

Client: BC Hydro



Slug Test: **MW09-1.1**

Analysis Method: **Bouwer & Rice**

Analysis Results: Conductivity: 9.66E-7 [m/s]

<u>Test parameters:</u>	Test Well:	MW09-1	Aquifer Thickness:	20 [m]
	Casing radius:	0.025 [m]	Gravel Pack Porosity (%):	25
	Screen length:	3.048 [m]		
	Boring radius:	0.076 [m]		
	r(eff):	0.044 [m]		

Comments:

Evaluated by: DK, AN
 Evaluation Date: 5/15/2009