



# WorleyParsons

resources & energy

**Borehole #: MW10-32**

Project #: 09216

Report Name: Detailed Site Investigation

Client: City of New Westminster

Location: 224 Front St, New Westminster, BC

Drilled By: Mud Bay

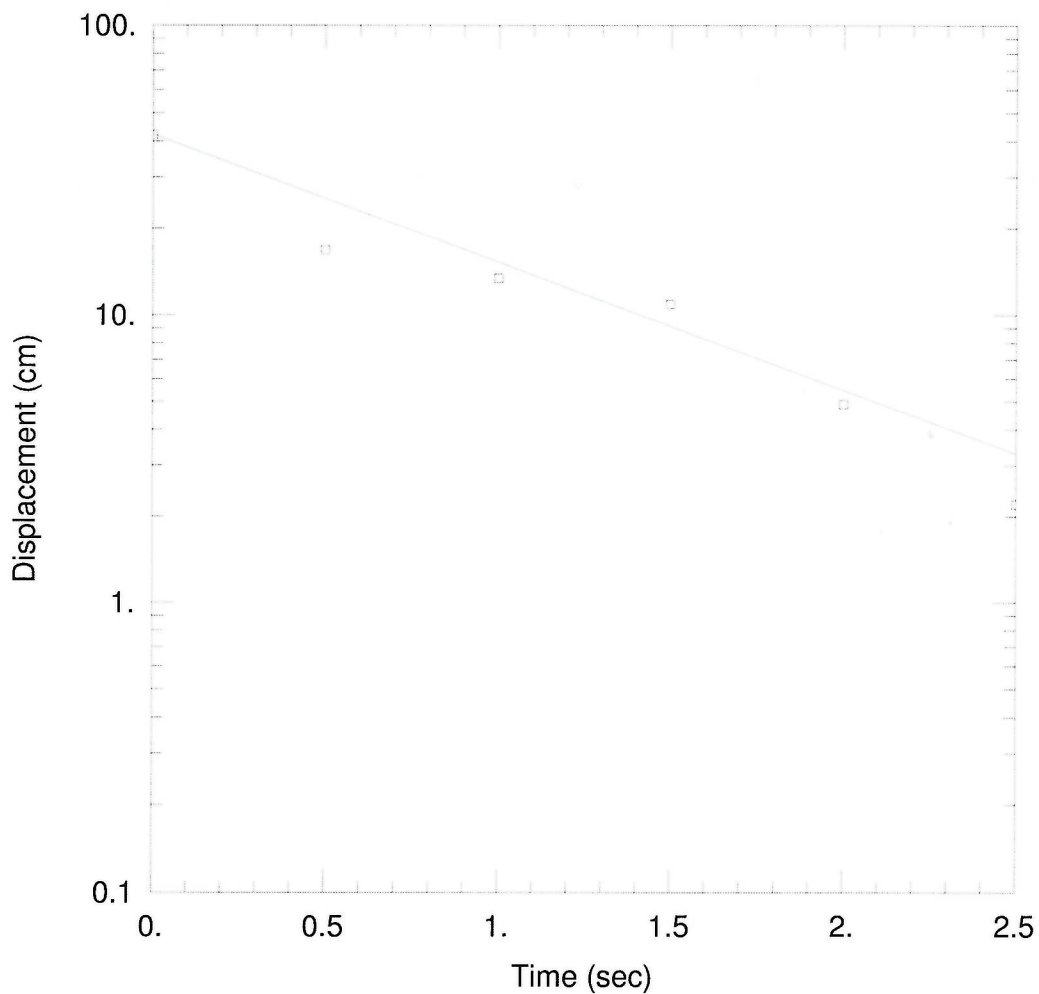
Drilling Method: Solid Stem Auger

Drill Date: 23-Feb-2010

Compiled By: Neil Simpson

Depth (m)	Symbol	Description	Sample ID	Sample Depth (m)	Sample Type	LEL %		Annulus Detail	Completion Details and Lab Analysis
						0	100		
0		Ground Surface							
0.0 - 6.1		<b>SAND (0.0 - 6.1 m)</b> Grey, damp, loose, uniform.							
0.4 - 0.5			MW32-Sa1	0.4-0.5	Split Spoon	0	100		
1.2 - 1.3			MW32-Sa2	1.2-1.3	Split Spoon	0	100		
1.9 - 2.0			MW32-Sa3	1.9-2.0	Split Spoon	0	100		
2.3 - 2.9		From 2.3 m: Wet.							
2.7 - 2.8			MW32-Sa4	2.7-2.8	Split Spoon	0	100		
3.4 - 3.5		From 2.9 m: Saturated.							
3.4 - 3.5			MW32-Sa5	3.4-3.5	Split Spoon	0	100		
3.9 - 4.0		At 3.9 m: Wood debris.							
4.2 - 4.3		From 4.0 m: Some rust staining.							
4.2 - 4.3			MW32-Sa6	4.2-4.3	Split Spoon	0	100		
5.0 - 5.1			MW32-Sa7	5.0-5.1	Split Spoon	0	100		
5.8 - 6.0			MW32-Sa8	5.8-6.0	Split Spoon	0	100		
6.1		End of Borehole 6.1 m							
								Stickup: 0.75 m	
								Asphalt - Cement: 0.0 - 0.1 m	
								Cement Grout: ---	
								Bentonite: 0.3 - 0.85 m	
								1.3 - 2.1 m	
								Peltonite: ---	
								0.1 - 0.3 m	
								Sand: 0.85 - 1.3 m	
								2.1 - 5.5 m	
								Screen: 1.0 - 1.15 m (vp)	
								2.4 - 5.5 m (mw)	
								Well Diameter: 0.05 m	
								Borehole Diameter: 0.15 m	
								Slough: 5.5 - 6.1 m	

Asphalt / Cement 
 Cement Grout 
 Bentonite 
 Sand 
 Slough 
 Split Spoon 
 Auger 
 Grab 
 Sonic Core



### WELL TEST ANALYSIS

Data Set: J:\...MW10-32.aqt  
Date: 11/26/10

Time: 17:31:03

### PROJECT INFORMATION

Company: WorleyParsons  
Client: City of New Westminster  
Project: 09216  
Test Well: MW10-32  
Test Date: 08-Mar-10

### AQUIFER DATA

Saturated Thickness: 255.5 cm

Anisotropy Ratio (Kz/Kr): 1.

### WELL DATA (MW10-32)

Initial Displacement: 42.1 cm  
Total Well Penetration Depth: 310. cm  
Casing Radius: 2.54 cm

Static Water Column Height: 255.5 cm  
Screen Length: 310. cm  
Well Radius: 7.5 cm

### SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 0.0003013 m/sec

y0 = 42.23 cm