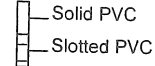


Drilling Contractor: Uniwide Drilling Co. Ltd.
 Drilling Method : Solid Stem Auger
 Borehole Dia. (m) : 0.15
 Pipe/Slotted Pipe Dia. (m): 0.05, 0.05

Date Water Lev. Meas. : 2003 12 22
 Ground Surf Elev. (m) : 9.72
 Top of Casing Elev. (m) : 9.619

Project Number : V1611
 Borehole Logged By : DWB
 Date Drilled : 2001 12 04
 Log Typed By : ZDG

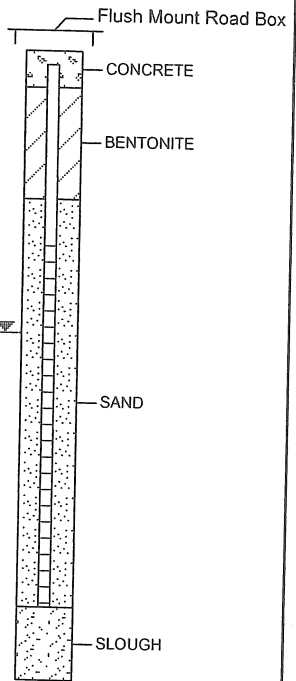
Depth in Metres	Drilling Legend		Water/LPH Levels		Stratigraphy Plot	Sample Interval/ Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
	Sample Interval	Split Spoon	Auger Flyte	Water Level 1						



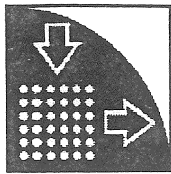
Well Name 1 : MW01-12

Soil Description

Depth (m)	Soil Description	Stratigraphy Plot	Sample Interval/ Core Run	Sample Number	Blow Count	% Recovery	Soil Vapour (ppm)
0 - 1.0	SAND (FILL), some fine grained gravel, well graded, medium dense to loose, trace silt, grey/brown, damp to dry.	[Pattern]	[Pattern]	12-01	10		10
1.0 - 1.5	SILT and ORGANICS, dark brown, soft to firm, moist.	[Pattern]	[Pattern]	12-02	50		50
1.5 - 2.0	SAND, fine to medium grained, some silt, grey/brown to dark brown, medium dense to loose, moist.	[Pattern]	[Pattern]	12-03	40		40
2.0 - 2.2	At 2.0 m - becomes wet.						
2.2 - 2.5	SAND and GRAVEL, some silt, well graded sand, fine grained gravel, grey to dark brown, loose, saturated.	[Pattern]	[Pattern]	12-04	15		15
2.5 - 3.0	SILTY SAND and GRAVEL, well graded sand, well graded gravel, dark brown, loose, saturated, trace organics (rootlets).	[Pattern]	[Pattern]	12-05	15		15
3.0 - 4.0	GRAVEL, fine to medium grained, subrounded to angular, some sand to sandy, medium to coarse grained, loose, saturated.	[Pattern]	[Pattern]	12-06	15		15
4.0 - 5.2	End of borehole at 5.2 m.	[Pattern]	[Pattern]	12-07	15 14 14 11	50	10



Notes:
 Bolded sample denotes sample analyzed.
 Monitoring well completed with hollow stem auger.



Waterloo Hydrogeologic, Inc.

180 Columbia St. Unit 1104

Waterloo, Ontario, Canada

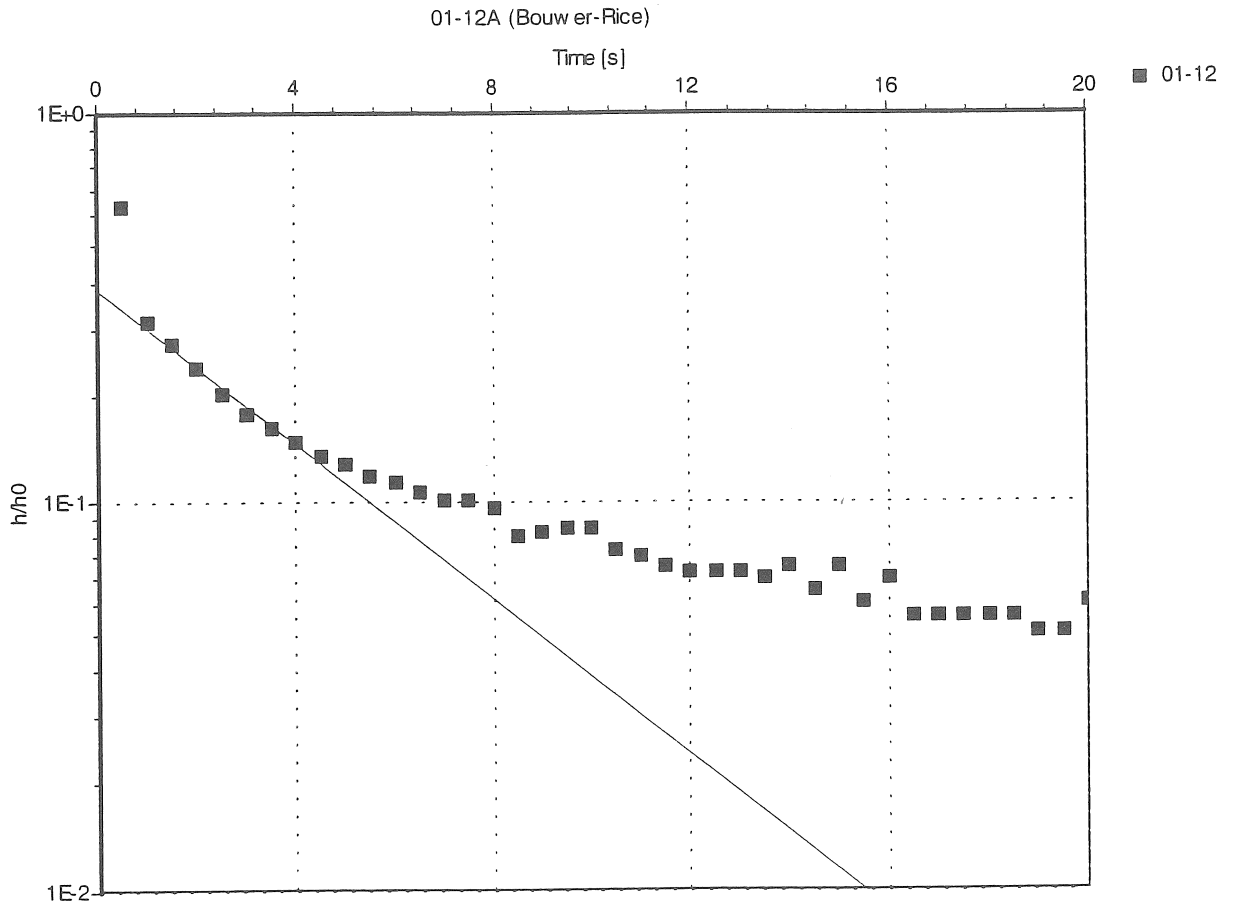
Phone: +1 519 746 1798

Pumping Test Analysis Report

Project: V1-611

No:

Client:



Test name: 01-12A

Analysis method: Bouwer-Rice

Analysis results: Conductivity: 6.53E-4 [m/s]

<u>Test parameters:</u>	Test well:	01-12	Aquifer thickness:	1.7 [m]
	Screen radius:	0.1 [m]	Gravel pack Porosity (%):	20
	Screen length:	0.9 [m]		
	Casing radius:	0.025 [m]		
	r(eff):	0.050 [m]		

Comments: Bail test in semi-confined GRAVEL
 L = saturated screen length in gravel (0.9 m)
 use r(eff)

Evaluated by: TAB
 Date: 2/19/03