

Project Name: Riverview

MONITORING WELL: MW15-18 S & D

Project Number: 00122-05

Location: 2601 Lougheed Highway, Coquitlam, BC

Coordinates

Northing: 5455309

Easting: 514334

Datum: NAD83 - UTM Zone 10


Drilling Details

Drill Contractor: Blue Max Drilling Inc.
 Drill Date: 4/1/2015
 Drill Method: Sonic Track Rig
 Depth of Drilled Hole (mbgs): 27.4
 Drillhole Diameter (inch): 6"

Well Installation Details

Final depth of shallow well (mbgs): 8.7
 Final depth of intermed. well (mbgs): 3.3
 Final depth of deep well (mbgs): 27.8
 Well Casing Material: PVC
 Well Screen Slot Size: 10 slot
 Well Casing Diameter (inch): 2" (shallow); 1" (deep)

Lithologic Description		Soil Sampling			Headspace Analysis	Elevation (masl)	Well Construction Details					
Depth (mbgs)	Symbol	Depth (ftbgs)	Sample Type	% Recovery	Sample ID		Sample Analyzed (Y, N)	PPM	SV15-18	MW15-18 S	MW15-18 D	Construction Comments
0	TOPSOIL: Dark brown SILT, sandy, some organics, minor fine to coarse gravel, wet, moderately stiff @ 0.5 m rock core @ 0.8 m crushed granodiorite	0									Flush mount, J-plugs, concrete Concrete 10/20 Silica Filter Sand Bentonite Chips	
1												
2		SILT: Brown to grey SILT, sandy, trace fine to coarse gravel, very stiff, dry	4		100							
3												
4	SAND: Light to olive grey SAND, some silt, some fine to coarse gravel, trace cobble, wet, loose @ 3.7 m damp	10									Bentonite Chips	
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												

 <p>Report Date: October 2016 Logged by: HV Approved by: SM Client: Brookfield GIS</p>	Shallow Well Measurements Depth to Water from TOC (m): 8.5 Depth to Bottom from TOC (m): 8.6 Well Elevation from TOC (masl): 29.3 Ground Elevation (masl): 29.5 Date Measured: 4/17/2015	Intermediate Well Measurements Depth to Water from TOC (m): N/A Depth to Bottom from TOC (m): N/A Well Elevation from TOC (masl): N/A Ground Elevation (masl): 29.5 Date Measured: 4/17/2015	Deep Well Measurements Depth to Water from TOC (m): 12.8 Depth to Bottom from TOC (m): 27.7 Well Elevation from TOC (masl): 29.4 Ground Elevation (masl): 29.5 Date Measured: 4/17/2015
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Depth (mbgs)	Symbol	Depth (ftbgs)	Sample Type	% Recovery				Sample ID	SV15-18	MW15-18 S
7	SILT: Brown SILT, minor fine gravel, dry, very stiff @ 9.1 m brown, wet, stiff @ 10 m minor fine to coarse gravel, damp	23								
8		24								
9		25	100							
10		26								
11	SAND: Brown fine SAND, silty, damp, very dense @ 11.4 m fine, dense @ 11.9 m fine, silty, very dense	27								
12		28								
13	SAND: Brown fine to coarse SAND, loose damp, hydrocarbon odour SAND: Brownish grey medium to coarse SAND, loose, wet, hydrocarbon odour @ 13.4 m dark grey, damp @ 14 m silty, minor fine to coarse gravel, wet	29								
14		30								
		31								
		32								
		33								
		34								
		35	100							
		36								
		37								
		38								
		39								
		40				35				
		41								
		42				10				
		43								
		44				100				
		45								
		46				70				

	Report Date: October 2016	Shallow Well Measurements	Intermediate Well Measurements	Deep Well Measurements
	Logged by: HV	Depth to Water from TOC (m): 8.5	Depth to Water from TOC (m): N/A	Depth to Water from TOC (m): 12.8
	Approved by: SM	Depth to Bottom from TOC (m): 8.6	Depth to Bottom from TOC (m): N/A	Depth to Bottom from TOC (m): 27.7
	Client: Brookfield GIS	Well Elevation from TOC (masl): 29.3	Well Elevation from TOC (masl): N/A	Well Elevation from TOC (masl): 29.4
		Ground Elevation (masl): 29.5	Ground Elevation (masl): 29.5	Ground Elevation (masl): 29.5
		Date Measured: 4/17/2015	Date Measured: 4/17/2015	Date Measured: 4/17/2015

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Lithologic Description		Soil Sampling			Sample Analyzed (Y, N)	Headspace Analysis	Elevation (masl)	Well Construction Details			
Depth (mbgs)	Symbol	Depth (ftbgs)	Sample Type	% Recovery				Sample ID	PPM	SV15-18	MW15-18 S
14		46									
		47				30					
15	SILT: Olive grey SILT, trace fine sand, trace fine to coarse gravel, stiff, damp	48									
		49				40					
	SAND: Olive grey fine to coarse SAND, loose, damp, hydrocarbon odour	50									
		51			MW15-18 (51)	N	620				
		52									
16	SILT: Olive grey SILT, sandy, minor fine to coarse gravel, trace cobbles, soft, damp, hydrocarbon odour	53			MW15-18 (52.5)	N	550				
		54			MW15-18 (54)	N	450				
	SAND: Olive grey fine to coarse SAND, some fine to coarse gravel, loose, damp, hydrocarbon odour	55		100							
17		56									
		57			MW15-18 (57)	Y	280				
	SILT: Olive grey to brown SILT, sandy, some fine to coarse gravel, soft, damp, slight hydrocarbon odour	58									
18		59									
	SAND: Olive grey fine to coarse SAND, gravelly, loose, wet, slight hydrocarbon odour	60			MW15-18 (60)	N	15				
		61			MW15-18 (61)	N	210				
19	SILT: Olive grey SILT, very stiff, damp	62			MW15-18 (62.5)	N	35				
		63									
		64									
		65		100	MW15-18 (65)	N	190				
20		66									
		67			MW15-18 (67)	N	250				
		68									
21		69			MW15-18 (69)	N	190				

Bentonite Chips

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 Ground Elevation (masl): 29.5
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Intermediate Well Measurements

Depth to Water from TOC (m): N/A
 Depth to Bottom from TOC (m): N/A
 Well Elevation from TOC (masl): N/A
 Ground Elevation (masl): 29.5
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Deep Well Measurements

Depth to Water from TOC (m): 12.8
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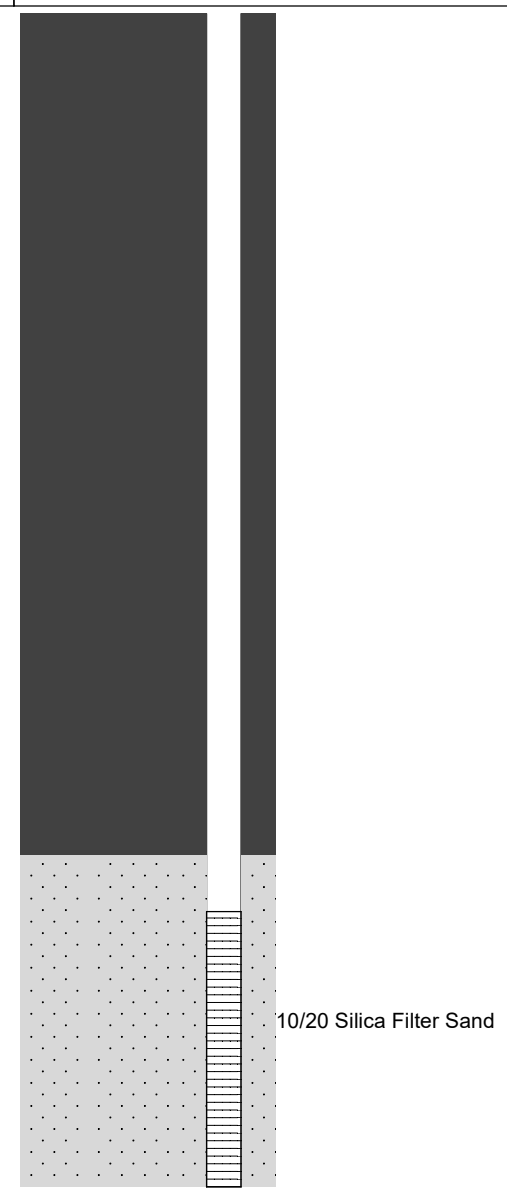
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	Depth (ftbgs)	Sample Type	% Recovery	Sample ID			Sample Analyzed (Y,N)	SV15-18	MW15-18 S	
[Lithologic Description Column]	69									
	70									
	71									
	72				MW15-18 (72.5)	N	300			
	73									
	74									
	75		75		MW15-18 (75)	N	110			
	76									
	77				MW15-18 (77)	Y	480			
	78									
[Lithologic Description Column]	79			MW15-18 (79)	N	400				
	80									
	81			MW15-18 (81)	N	35				
	82									
	83			MW15-18 (83)	N	20				
	84									
	85		100		MW15-18 (85)	N	30			
	86									
	87			MW15-18 (87)	N	20				
	88									
89			MW15-18 (88.5)	N	5					



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