



CLIENT: **Concert Properties Ltd.**
 PROJECT: **Quebec and 1st**
 ADDRESS: **1551 Quebec Street Vancouver, BC**
 SLR JOB NO: **201.88418.00001**

BOREHOLE LOG

BOREHOLE NO: **BH11-2**
 SURFACE ELEVATION: **3.62 m**

DEPTH (m)	SAMPLE TYPE	SAMPLE ID	SPT COUNT	SOIL TYPE	SOIL DESCRIPTION	FIELD TEST DATA				COMPLETION	WATER LEVEL	WELL COMPLETION NOTES	ELEVATION (m)
						ORGANIC VAPOUR LEVEL (ppmv)							
						1	10	100	1000 10000				
					ASPHALT								
1		BH11-2-1			SAND and GRAVEL some fine to coarse sand, angular gravel, some boulders, pockets of clay, trace silt, brown, moist								concrete
2		BH11-2-2				20							
2		BH11-2-3			SAND fine to medium sand, trace silt, some angular gravel, wood debris, red-brown	20							
					-0.08 m lense of black organic material								
					-increased silt content, trace gravel at 2.4m, grey								
3		BH11-2-4				40							
4		BH11-2-5				50							sand and drill cuttings
					-some silt, dense, trace small black fragments from 4.3m, grey	25							
5		BH11-2-6											
					SILT fine sand, some subangular to subrounded gravel, very dense, trace small black fragments, grey, moist to wet								
		BH11-2-7/DUP4				250							
6		BH11-2-8											
7		BH11-2-9											
					End of borehole at 7.3 m								
					Daylighted to 1.5 mbg (5/11/11)								
					"For Environmental Purposes Only"								
DRILLING METHOD: Daylight/Sonic Rig					Notes: GRAB SAMPLE SONIC CORE SAMPLE								
DRILL DATE: May 12, 2011					LOGGED BY: RS/VB DRILLER NAME								

SLR CANADA V5.2 418 - MAY 2011 LOGS.GPJ SLR_CAN V5.2.GDT 7/12/11

STEP ONE

Go to Borehole Information sheet and add your borehole information.

Required information is as follows:

BOREHOLE_NAME	-name assigned by the driller of the borehole. e.g., MW2002-2
BOREHOLE_ADDRESS	-address at which the borehole was drilled. e.g., 952 Granville Street
BOREHOLE_MUNICIPALITY	-municipality in which the borehole was drilled. e.g., Langley
BOREHOLE_SITE_ID	-Land Remediation Site ID number. e.g., 7010
LATITUDE	-in decimal degrees. e.g., 49.280249
LONGITUDE	- in decimal degrees. e.g., -123.119281
SUPPORTING_DOCUMENT	-name of the borehole log PDF file to be submitted
DATE_DRILLED	-date on which the borehole was drilled. e.g., 2007-05-24

STEP TWO

Go to Borehole Lithology sheet and add the borehole lithology information.

Required information is as follows:

BOREHOLE_NAME	-name assigned by the driller of the borehole. e.g., MW2002-2
TOTAL_BOREHOLE_DEPTH	- depth of borehole in metres below ground surface
BOREHOLE_TOC_ELEVATION	- top of casing elevation in metres above sea level
BOREHOLE_SURFACE_ELEVATION	- surveyed ground surface elevation in metres above sea level
TOP_OF_SCREEN	- distance to top of screen in metres below ground surface
BOTTOM_OF_SCREEN	- distance to bottom of screen in metres below ground surface
FROM_UNIT_DEPTH	- each lithological unit needs to be entered in a separate row. In this column, enter the depth (metres below ground surface) where the unit starts.
TO_UNIT_DEPTH	- each lithological unit needs to be entered in a separate row. In this column, enter the depth (metres below ground surface) where the unit ends.
UNIT_DESCRIPTION	- enter the soil description for the unit. There is a drop-down list of USCS soil descriptors to choose from.
UNIT_NUMBER	- number each unit sequentially from ground surface downwards (upper-most unit is unit number 1). In this column, enter the number for the specific unit described in the row.
HYDRAULIC_CONDUCTIVITY	- if available, enter the hydraulic conductivity for the unit described in this row. Enter as a decimal number, with units of metres per second.
DEPTH_TO_WATER_BELOW_TOC	- enter the depth to water below top of casing, if available (as metres below ground surface).
DEPTH_TO_WATER_BELOW_SURFACE	- enter the depth to water below ground surface, if available (as metres below ground surface).

STEP THREE

Submit BOTH an electronic and hard copy of this spreadsheet and a PDF copy of the borehole log with your application to the BC MOE. You may include disclaimers or limits of liability on the borehole log as required by your individual companies.

Example

BOREHOLE_NAME	BOREHOLE_ADDRESS	BOREHOLE_MUNICIPALITY	BOREHOLE_SITE_ID	LATITUDE	LONGITUDE	SUPPORTING_DOCUMENT	DATE_DRILLED
MW2008-1	5433 Bridge Street	Vancouver	3100	49.23473	-124.81568	3100_MW2008-1.pdf	2008-10-28

Please enter your borehole information below:

BOREHOLE_NAME	BOREHOLE_ADDRESS	BOREHOLE_MUNICIPALITY	BOREHOLE_SITE_ID	LATITUDE	LONGITUDE	SUPPORTING_DOCUMENT	DATE_DRILLED
BH11-2	1661 Quebec Street	Vancouver	12603	49.27081	-123.10322	BH11-2.pdf	2011-05-12

Example *all units are in metres unless indicated.*

BOREHOLE_NAME	TOTAL_BOREHOLE_DEPTH	BOREHOLE_TOC_ELEVATION	BOREHOLE_SURFACE_ELEVATION	TOP_OF_SCREEN	BOTTOM_OF_SCREEN	FROM_UNIT_DEPTH	TO_UNIT_DEPTH	UNIT_DESCRIPTION	UNIT_NUMBER	HYDRAULIC_CONDUCTIVITY m/s	DEPTH_TO_WATER_BELOW_TOC	DEPTH_TO_WATER_BELOW_SURFACE
MW2008-1	29.3	7.2	6.57			0	5.2	Fill	1			
	29.3	7.2	6.57			5.2	14	Poorly graded sand	2			
	29.3	7.2	6.57			14	19.2	Sand and gravel	3			
	29.3	7.2	6.57	20.1	29.3	19.2	29	Poorly graded gravel Inorganic clay - high 29.3 plasticity	4	0.03	22.26	21.53
	29.3	7.2	6.57			29			5			

Please enter your borehole lithology information below:

BOREHOLE_NAME	TOTAL_BOREHOLE_DEPTH	BOREHOLE_TOC_ELEVATION	BOREHOLE_SURFACE_ELEVATION	TOP_OF_SCREEN	BOTTOM_OF_SCREEN	FROM_UNIT_DEPTH	TO_UNIT_DEPTH	UNIT_DESCRIPTION	UNIT_NUMBER	HYDRAULIC_CONDUCTIVITY m/s	DEPTH_TO_WATER_BELOW_TOC	DEPTH_TO_WATER_BELOW_SURFACE
BH11-2	7.3	not measured	not measured			0	1.5	Sand and gravel	1	not measured		
	7.3	not measured	not measured			1.5	4.9	Well graded gravel	2	not measured		
	7.3	not measured	not measured			4.9	7.3	Inorganic silt - high pla	3	not measured		

Fill

Well-graded gravel

Poorly graded gravel

Silty gravel

Clayey gravel

Well-graded sand

Poorly graded sand

Silty sand

Clayey sand

Inorganic silt - slight plasticity

Inorganic clay - low to medium plasticity

Organic silt

Organic clay

Inorganic silt - high plasticity

Inorganic clay - high plasticity

Peat