



SOIL PROFILE

Site Name: Champlain Elementary School
 Site Location: Burlington, Vermont
 Excavation Date: 4/24/2018
 Start Time: 12:54 PM
 Representative: Sean Brennan

Additional Notes



Overview of Auger Hole 1 Location

Overall Site Notes:

Auger hole dug at back of school play area, adjacent to path and close to the fence boundary of Burlington School Department Property Services. SHGW Table found at 9", GW at 20".

Depth (in)	Soil Type	Additional Sample Description / Notes	Soil Moisture	Soil Color	Photo
0"-2"	Silty with little Sand	Moderately cohesive, vegetated overlay, many small roots	Slightly Moist	Medium Brown	
2"-9"	Silty with little Sand	Slightly cohesive, no coarse fragments, red marbling indicative of seasonal high ground water table	Slightly Moist	Medium Brown, Grayish, Reddish	
9"-11"	Sandy with some Silt	Very slightly cohesive, no coarse fragments, pockets of more silty more cohesive material	Slightly Moist	Light Brown, Orangeish	
11"-20"	Silty with little clay and trace sand	Moderately cohesive, no coarse fragments, small pockets of clay.	Slightly Moist	Light Brown, Light to Medium Brown	
20"-24"	Sandy with little Silt	Saturated small pockets of silt, slightly cohesive. Groundwater found	Saturated	Light Brown, Medium Brown	
24"-32"	Clayey with little Silt and trace Sand	Very cohesive no coarse fragments	Slightly Moist	Light Brown, Grayish	
32"-83"	Clayey with little Silt and trace Sand	Layer is consistently clay all the way down some sections came out with sand and were more wet than others. I believe this is because the groundwater layer is seeping in between augerings.	Dry, Slightly Moist	Light Brown, Orangeish, Grayish	

SOIL TYPE PROPORTIONS	
AND	LITTLE
33-55%	10-20%
SOME	TRACE
20-33%	0-10%



SOIL PROFILE

Site Name: Champlain Elementary School
 Site Location: Burlington, Vermont



Test Pit/Auger
 Excavation Date: 4/24/2018
 Start Time: 2:36 PM
 Representative: Kateri Bisceglia

Overall Site Notes:

Additional Notes



Overview of Auger Hole 2 Location.

Depth (in)	Soil Type	Additional Sample Description / Notes	Soil Moisture	Soil Color	Photo
0"-2"	Silty with some Sand	Vegetated overlay, any small roots, no coarse fragments, moderately cohesive	Slightly Moist	Dark Brown	
2"-7"	Sandy with some Silt	Not cohesive. Some coarse fragments ranging in size up to 1 inch in diameter.	Slightly Moist	Medium Brown	
7"-18"	Silty with some Sand	Cohesive, coarse fragments range in size to 1 inch in diameter	Slightly Moist	Light Brown, Grayish	
18"-44"	Clayey with trace Sand	Very cohesive, no coarse fragments small pockets of orange sand	Dry, Slightly Moist	Grayish, Orangeish	
44"-97"	Clayey with trace Sand	Groundwater found saturation gets more intense with depth. Small pockets of sand can be found in spots	Groundwater Found, Saturated	Grayish	

SOIL TYPE PROPORTIONS	
AND	LITTLE
33-55%	10-20%
SOME	TRACE
20-33%	0-10%



SOIL PROFILE

Site Name: Champlain Elementary
 Site Location: Auger Hole 3

Sampling Method: Auger
 Excavated Pit Depth: 105"
 Depth to Water Table: 50"
 Excavation Date: 4/24/2018
 Start Time: 3:14 PM
 Representative: Sean Brennan

Overall Site Notes:

Hole dug in front of community garden on grassy area. Profile consists mainly of clay material, no SHWT found.

Additional Notes



Overview of Auger Hole 3 Location.

Depth (in)	Soil Type	Additional Sample Description / Notes	Soil Moisture	Soil Color	Photo
0"-2"	Silty with some Sand	Vegetated overlay, many small roots no coarse fragments, moderately cohesive	Slightly Moist	Medium Brown	
2"-6"	Silty with little Sand	Not cohesive. Some coarse fragments ranging in size up to 1 inch in diameter.	Slightly Moist	Light to Medium Brown	
6"-22"	Silty with little Sand and clay	Cohesive. Some coarse fragments, range in size to 1 inch in diameter	Dry, Slightly Moist	Light Brown, Reddish	
22"-50"	Clayey with little silt and Sand	Very cohesive, no coarse fragments, small pockets of orange sand	Dry, Slightly Moist	Light Brown, Grayish, Reddish, Iron Deposits	
50"-110"	Clayey with trace Sand	Groundwater found, saturation gets more intense with depth. Small pockets of sand can be found in spots	Dry, Slightly Moist	Grayish	

SOIL TYPE PROPORTIONS	
AND	LITTLE
33-55%	10-20%
SOME	TRACE
20-33%	0-10%