

Soil Survey of Bronx River Watershed Bronx, New York 1:6,000



Legend: Soil Survey of Bronx River Watershed, Bronx, New York
Symbol and Map Unit: Acres

- 1A. Carandagias-Tonawanda silt loams, 0 to 3 percent slopes- 3.2 ac
- 2A. Centralpark sandy loam, 0 to 3 percent slopes- 13.1 ac
- 3B. Centralpark sandy loam, 3 to 8 percent slopes- 4.3 ac
- 4F. Centralpark sandy loam, 35 to 60 percent slopes- 1.2 ac
- 5A. Centralpark-Greenbelt complex, 15 to 25 percent slopes- 9.8 ac
- 6A. Centralpark-Greenbelt-Rock outcrop complex, 0 to 3 percent slopes- 8.8 ac
- 7B. Centralpark-Greenbelt-Rock outcrop complex, 3 to 8 percent slopes- 7.3 ac
- 8C. Centralpark-Greenbelt-Rock outcrop complex, 8 to 15 percent slopes- 0.2 ac
- 9D. Centralpark-Greenbelt-Rock outcrop complex, 15 to 25 percent slopes- 5.2 ac
- 10D. Charlton loam, 15 to 25 percent slopes- 1.9 ac
- 11C. Charlton-Chatfield complex, 8 to 15 percent slopes, rocky- 28.5 ac
- 12C. Charlton-Chatfield-Rock outcrop complex, 8 to 15 percent slopes- 23.5 ac
- 13C. Chatfield-Greenbelt-Hollis complex, 8 to 15 percent slopes, very rocky, recreational- 36.3 ac
- 14D. Chatfield-Charlton complex, 15 to 25 percent slopes, very rocky- 24.4 ac
- 15E. Chatfield-Charlton complex, 25 to 35 percent slopes, very rocky- 47.1 ac
- 16D. Chatfield-Hollis complex, 0 to 3 percent slopes, very rocky- 28.7 ac
- 17B. Chatfield-Hollis-Rock outcrop-Charlton complex, 0 to 8 percent slopes- 16.1 ac
- 18C. Chatfield-Greenbelt-Rock outcrop complex, 8 to 15 percent slopes, recreational parkland phase- 15.9 ac
- 19B. Chatfield-Hollis-Greenbelt complex, 0 to 8 percent slopes, rocky, recreational parkland phase- 74.6 ac
- 20B. Chatfield-Hollis-Rock outcrop complex, 0 to 8 percent slopes, recreational parkland phase- 17.6 ac
- 21D. Chatfield-Hollis-Rock outcrop complex, 15 to 25 percent slopes- 36.3 ac
- 22F. Chatfield-Hollis-Rock outcrop complex, 35 to 60 percent slopes- 42.7 ac
- 23A. Fluvaquentic Endosolids, 0 to 3 percent slopes, frequently flooded- 6.7 ac
- 24A. Fluventic Hapludolls, 0 to 3 percent slopes, frequently flooded- 5.6 ac
- 25A. Fluventic Hapludolls-Fluvaquentic Endosolids complex, 0 to 3 percent slopes, frequently flooded- 4.0 ac
- 26A. Greenbelt sandy loam, 0 to 3 percent slopes- 107.1 ac
- 27B. Greenbelt sandy loam, 3 to 8 percent slopes- 70.2 ac
- 28C. Greenbelt sandy loam, 8 to 15 percent slopes- 23.5 ac
- 29D. Greenbelt loam, 15 to 25 percent slopes- 10.1 ac
- 30E. Greenbelt loam, 25 to 35 percent slopes- 40.3 ac
- 31F. Greenbelt loam, 35 to 60 percent slopes- 11.3 ac
- 32A. Greenbelt-Centralpark complex, 0 to 3 percent slopes- 15.0 ac
- 33B. Greenbelt-Centralpark complex, 3 to 8 percent slopes- 11.1 ac
- 34F. Greenbelt-Laguardia complex, 35 to 60 percent slopes- 2.6 ac
- 35A. Greenbelt-Pavement & buildings complex, 0 to 3 percent slopes, cemetery, deep water table phase- 11.1 ac
- 36C. Greenbelt-Pavement & buildings complex, 0 to 3 percent slopes, cemetery, very deep water table phase- 56.6 ac
- 37B. Greenbelt-Pavement & buildings complex, 3 to 8 percent slopes, cemetery, very deep water table phase- 203.4 ac
- 38C. Greenbelt-Pavement & buildings complex, 8 to 15 percent slopes, cemetery, very deep water table phase- 74.6 ac
- 39D. Greenbelt-Pavement & buildings complex, 15 to 25 percent slopes, cemetery, very deep water table phase- 18.3 ac
- 40E. Greenbelt-Pavement & buildings complex, 25 to 35 percent slopes, cemetery, very deep water table phase- 17.9 ac
- 41F. Centralpark sandy loam, 35 to 60 percent slopes, very rubby- 2.2 ac
- 42C. Centralpark sandy loam, 50 to 80 percent slopes, very rubby- 23.7 ac
- 43F. Greenbelt-Centralpark very rubby complex, 25 to 60 percent slopes- 6.3 ac
- 44G. Greenbelt-Centralpark very rubby complex, 60 to 80 percent slopes- 19.3 ac
- 45A. Hudson silt loam, 0 to 3 percent slopes, occasionally flooded- 2.2 ac
- 46A. Hudson-Fluvaquentic Endosolids complex, 0 to 3 percent slopes, frequently flooded- 1.7 ac
- 47A. Hudson-Oliville complex, 0 to 3 percent slopes, occasionally flooded- 2.2 ac
- 48A. Laguardia sandy loam, 0 to 3 percent slopes, very stony- 7.0 ac
- 49B. Laguardia sandy loam, 3 to 8 percent slopes, very stony- 50.9 ac
- 50C. Laguardia sandy loam, 8 to 15 percent slopes, very stony- 3.8 ac
- 51A. Laguardia sandy loam, 15 to 25 percent slopes- 82.3 ac
- 52B. Laguardia sandy loam, 3 to 8 percent slopes- 10.1 ac
- 53C. Laguardia sandy loam, 8 to 15 percent slopes- 7.0 ac
- 54D. Laguardia sandy loam, 15 to 25 percent slopes- 3.0 ac
- 55E. Laguardia sandy loam, 25 to 35 percent slopes- 6.4 ac
- 56F. Laguardia sandy loam, 35 to 60 percent slopes- 0.7 ac
- 57A. Laguardia-Greenbelt complex, 0 to 3 percent slopes- 184.2 ac
- 58B. Laguardia-Greenbelt complex, 3 to 8 percent slopes- 15.9 ac
- 59A. Limerick loam, 0 to 3 percent slopes, frequently ponded- 3.1 ac
- 60A. Natchaug silt loam, 0 percent slopes- 3.5 ac
- 61A. Oliville loam, 0 to 3 percent slopes, occasionally flooded- 8.9 ac
- 62A. Pavement & buildings, total soil substratum, 0 to 3 percent slopes- 343.3 ac
- 63A. Pavement & buildings, silt substratum, 0 to 3 percent slopes- 1744.0 ac
- 64B. Pavement & buildings, silt substratum, 3 to 8 percent slopes- 493.9 ac
- 65C. Pavement & buildings, silt substratum, 8 to 15 percent slopes- 220.4 ac
- 66A. Pavement & buildings, alluvium substratum, 0 to 3 percent slopes- 3.9 ac
- 67A. Pavement & buildings-Greenbelt complex, 0 to 3 percent slopes, low impervious surface phase- 223.0 ac
- 68B. Pavement & buildings-Greenbelt complex, 3 to 8 percent slopes, low impervious surface phase- 166.4 ac
- 69C. Pavement & buildings-Greenbelt complex, 8 to 15 percent slopes, low impervious surface phase- 17.4 ac
- 70A. Pavement & buildings-Greenbelt complex, 0 to 3 percent slopes- 930.1 ac
- 71B. Pavement & buildings-Greenbelt complex, 3 to 8 percent slopes- 724.2 ac
- 72C. Pavement & buildings-Greenbelt complex, 8 to 15 percent slopes- 77.5 ac
- 73D. Pavement & buildings-Greenbelt-Rock outcrop complex, 3 to 8 percent slopes- 1.6 ac
- 74A. Pavement & buildings-Greenbelt-Rock outcrop complex, 0 to 3 percent slopes- 9.5 ac
- 75B. Pavement & buildings-Greenbelt-Rock outcrop complex, 3 to 8 percent slopes- 12.2 ac
- 76A. Potomac loam, 0 to 3 percent slopes, occasionally flooded- 2.4 ac
- 77B. Potomac loam, 3 to 8 percent slopes, occasionally flooded- 1.3 ac
- 78A. Potomac-Fluventic Hapludolls complex, 0 to 3 percent slopes, occasionally flooded- 1.8 ac
- 79A. Potomac-Oliville complex, 0 to 3 percent slopes, occasionally flooded- 3.4 ac
- 80A. Potomac-Suncook-Oliville complex, 0 to 3 percent slopes, occasionally flooded- 2.3 ac
- 81A. Blaine very gravelly loamy sand, 0 to 3 percent slopes- 75.9 ac
- 82F. Blaine very gravelly loamy sand, 35 to 60 percent slopes- 4.8 ac
- 83G. Rock outcrop-Hollis-Chatfield complex, 60 to 80 percent slopes- 9.8 ac
- 84A. Suncook fine sandy loam, 0 to 3 percent slopes, occasionally flooded- 0.5 ac
- 85A. Suncook sandy loam, 0 to 3 percent slopes- 3.2 ac
- 86A. Tonawanda silt loam, 0 to 3 percent slopes- 1.6 ac
- 87B. Tonawanda silt loam, 3 to 8 percent slopes- 0.6 ac
- 88B. Tonawanda silt loam, 3 to 8 percent slopes, recreational parkland phase- 6.2 ac
- 89B. Tonawanda silt loam, 3 to 8 percent slopes, recreational parkland phase- 2.0 ac
- w. Water- 171.8 ac



186. Greenbelt soil, Woodman Cemetery, Bronx



76. Chatfield soil, NY Botanical Garden, Bronx



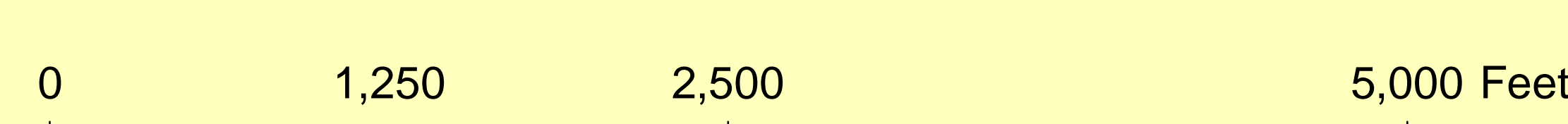
4. Centralpark soil, Pelham Parkway, Bronx



220. Laguardia soil, Hunts Point, Bronx

Legend

- Soil Polygons
- Survey Border
- Spot Symbols**
- Buried Pavement Layer
- Sandy Spot
- Wet Spot
- Anthropogenic Escarpment



The Soil Survey of the Bronx River Watershed is a product of the United States Department of Agriculture- Natural Resource Conservation Service in cooperation with the New York City Soil and Water Conservation District. The map projection is NAD83 UTM Zone 18. Orthophotography Mosaic is provided by the New York City Department of Information Technology and Telecommunications (DOITT). The date of the photography is 2004. This map was completed in March 23, 2009.

United States Department of Agriculture

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SOIL MAP LEGEND FOR SOIL SURVEY

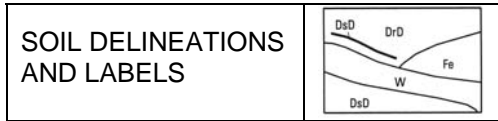
Map symbol	Soil name
1A	Canandaigua-Tonawanda silt loams, 0 to 3 percent slopes
2A	Centralpark sandy loam, 0 to 3 percent slopes
3B	Centralpark sandy loam, 3 to 8 percent slopes
4F	Centralpark sandy loam, 35 to 60 percent slopes
5D	Centralpark-Greenbelt complex, 15 to 25 percent slopes
6A	Centralpark-Greenbelt-Rock outcrop complex, 0 to 3 percent slopes
7B	Centralpark-Greenbelt-Rock outcrop complex, 3 to 8 percent slopes
8C	Centralpark-Greenbelt-Rock outcrop complex, 8 to 15 percent slopes
9D	Centralpark-Greenbelt-Rock outcrop complex, 15 to 25 percent slopes
10D	Charlton loam, 15 to 25 percent slopes
11C	Charlton-Chatfield complex, 8 to 15 percent slopes, rocky
12C	Charlton-Chatfield-Rock outcrop complex, 8 to 15 percent slopes
13C	Chatfield-Greenbelt-Hollis complex, 8 to 15 percent slopes, very rocky, recreational parkland phase
14D	Chatfield-Charlton complex, 15 to 25 percent slopes, very rocky
15E	Chatfield-Charlton complex, 25 to 35 percent slopes, very rocky
16B	Chatfield-Charlton-Hollis complex, 0 to 8 percent slopes, very rocky
17B	Chatfield-Hollis-Rock outcrop-Charlton complex, 0 to 8 percent slopes
18C	Chatfield-Greenbelt-Rock outcrop complex, 8 to 15 percent slopes, recreational parkland phase
19B	Chatfield-Hollis-Greenbelt complex, 0 to 8 percent slopes, rocky, recreational parkland phase
20B	Chatfield-Hollis-Rock outcrop complex, 0 to 8 percent slopes, recreational parkland phase
21D	Chatfield-Hollis-Rock outcrop complex, 15 to 25 percent slopes
22F	Chatfield-Hollis-Rock outcrop complex, 35 to 60 percent slopes
23A	Fluvaquentic Endoaquolls, 0 to 3 percent slopes, frequently flooded
24A	Fluventic Hapludolls, 0 to 3 percent slopes, frequently flooded
25A	Fluventic Hapludolls-Fluvaquentic Endoaquolls complex, 0 to 3 percent slopes, frequently flooded
26A	Greenbelt sandy loam, 0 to 3 percent slopes
27B	Greenbelt sandy loam, 3 to 8 percent slopes
28C	Greenbelt sandy loam, 8 to 15 percent slopes
29D	Greenbelt loam, 15 to 25 percent slopes
30E	Greenbelt loam, 25 to 35 percent slopes
31F	Greenbelt loam, 35 to 60 percent slopes
32A	Greenbelt-Centralpark complex, 0 to 3 percent slopes
33B	Greenbelt-Centralpark complex, 3 to 8 percent slopes
34F	Greenbelt-Laguardia complex, 35 to 60 percent slopes
35A	Greenbelt-Pavement & buildings complex, 0 to 3 percent slopes, cemetery, deep water table phase
36A	Greenbelt-Pavement & buildings complex, 0 to 3 percent slopes, cemetery, very deep water table phase
37B	Greenbelt-Pavement & buildings complex, 3 to 8 percent slopes, cemetery, very deep water table phase
38C	Greenbelt-Pavement & buildings complex, 8 to 15 percent slopes, cemetery, very deep water table phase
39D	Greenbelt-Pavement & buildings complex, 15 to 25 percent slopes, cemetery, very deep water table phase
40E	Greenbelt-Pavement & buildings complex, 25 to 35 percent slopes, cemetery, very deep water table phase
41F	Centralpark sandy loam, 35 to 60 percent slopes, very rubbly
42G	Centralpark sandy loam, 60 to 80 percent slopes, very rubbly

SOIL MAP LEGEND FOR SOIL SURVEY

Map symbol	Soil name
43F	Greenbelt-Centralpark very rubbly complex, 35 to 60 percent slopes
44G	Greenbelt-Centralpark very rubbly complex, 60 to 80 percent slopes
45A	Holderton silt loam, 0 to 3 percent slopes, occasionally flooded
46A	Holderton-Fluvaquentic Endoaquolls complex, 0 to 3 percent slopes, frequently flooded
47A	Holderton-Olinville complex, 0 to 3 percent slopes, occasionally flooded
48A	Laguardia sandy loam, 0 to 3 percent slopes, very stony
49B	Laguardia sandy loam, 3 to 8 percent slopes, very stony
50C	Laguardia sandy loam, 8 to 15 percent slopes, very stony
51A	Laguardia sandy loam, 0 to 3 percent slopes
52B	Laguardia sandy loam, 3 to 8 percent slopes
53C	Laguardia sandy loam, 8 to 15 percent slopes
54D	Laguardia sandy loam, 15 to 25 percent slopes
55E	Laguardia sandy loam, 25 to 35 percent slopes
56F	Laguardia sandy loam, 35 to 60 percent slopes
57A	Laguardia-Greenbelt complex, 0 to 3 percent slopes
58B	Laguardia-Greenbelt complex, 3 to 8 percent slopes
59A	Limerick loam, 0 to 3 percent slopes, frequently ponded
60A	Natchaug muck, 0 percent slopes
61A	Olinville loam, 0 to 3 percent slopes, occasionally flooded
62A	Pavement & buildings, tidal marsh substratum, 0 to 3 percent slopes
63A	Pavement & buildings, till substratum, 0 to 3 percent slopes
64B	Pavement & buildings, till substratum, 3 to 8 percent slopes
65C	Pavement & buildings, till substratum, 8 to 15 percent slopes
66A	Pavement & buildings, alluvium substratum, 0 to 3 percent slopes
67A	Pavement & buildings-Greenbelt complex, 0 to 3 percent slopes, low impervious surface phase
68B	Pavement & buildings-Greenbelt complex, 3 to 8 percent slopes, low impervious surface phase
69C	Pavement & buildings-Greenbelt complex, 8 to 15 percent slopes, low impervious surface phase
70A	Pavement & buildings-Greenbelt complex, 0 to 3 percent slopes
71B	Pavement & buildings-Greenbelt complex, 3 to 8 percent slopes
72C	Pavement & buildings-Greenbelt complex, 8 to 15 percent slopes
73D	Pavement & buildings-Greenbelt complex, 15 to 25 percent slopes
74A	Pavement & buildings-Greenbelt-Rock outcrop complex, 0 to 3 percent slopes
75B	Pavement & buildings-Greenbelt-Rock outcrop complex, 3 to 8 percent slopes
76A	Pootatuck loam, 0 to 3 percent slopes, occasionally flooded
77B	Pootatuck loam, 3 to 8 percent slopes, occasionally flooded
78A	Pootatuck-Fluventic Hapludolls complex, 0 to 3 percent slopes, occasionally flooded
79A	Pootatuck-Olinville complex, 0 to 3 percent slopes, occasionally flooded
80A	Pootatuck-Suncook-Olinville complex, 0 to 3 percent slopes, occasionally flooded
81A	Rikers very gravelly loamy sand, 0 to 3 percent slopes
82F	Rikers very gravelly loamy sand, 35 to 60 percent slopes
83G	Rock outcrop-Hollis-Chatfield complex, 60 to 80 percent slopes
84A	Suncook fine sandy loam, 0 to 3 percent slopes, occasionally flooded
85A	Suncook sandy loam, 0 to 3 percent slopes
86A	Tonawanda silt loam, 0 to 3 percent slopes
87B	Tonawanda silt loam, 3 to 8 percent slopes
88A	Tonawanda silt loam, 0 to 3 percent slopes, recreational parkland phase
89B	Tonawanda silt loam, 3 to 8 percent slopes, recreational parkland phase
w	Water

**FEATURE AND SYMBOL
LEGEND
FOR SOIL SURVEY**

SOIL SURVEY FEATURES



**STANDARD LANDFORM AND
MISCELLANEOUS SURFACE FEATURES**

Sandy spot	
Wet spot	

AD HOC FEATURES

Anthropogenic escarpment	
Buried pavement layer	

**DESCRIPTIONS FOR STANDARD LANDFORM
AND MISCELLANEOUS SURFACE FEATURES**

<u>Name</u>	<u>Description</u>
Sandy spot	A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils of the surrounding map unit is very fine sandy loam or finer. Typically 0.05 to 0.25 acres.
Wet spot	A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit. Typically 0.05 to 0.25 acres.

DESCRIPTION FOR AD HOC FEATURES

Anthropogenic escarpment	A relatively continuous and steep slope or cliff, which is constructed by humans, that breaks the continuity of more gently sloping land surfaces. Exposed material is nonsoil (for example rubble or blasted bedrock) or steep soil banks.
Buried pavement layer	A horizontal manufactured layer constructed by humans and buried beneath human-transported soil material within 24 inches of the soil surface. Examples include asphalt and concrete. Manufactured layers may act as liners (restricting root and water movement) and affect the water holding capacity and the depth class (as does an ortstein or similar cemented subsurface layer).