BERGEN COUNTY, NEW JERSEY
COMPREHENSIVE HYDRIC SOILS LIST

All mapunits are displayed regardless of hydric status and are listed in alpha-numeric order by mapunit symbol. The "Hydric Soils Criteria" columns indicate the conditions that caused the mapunit component to be classified as "Hydric" or "Non-Hydric". These criteria are defined in "Hydric Soils of the United States" (USDA Miscellaneous Publication No. 1491, June, 1991 as revised in the Federal Register, Vol. 60, No. 37, February 24, 1995). See the "Criteria for Hydric Soils" endnote to determine the meaning of these columns. Spot symbols are footnoted at the end of the table.

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria: Hydric Criteria Code	Hydric Soils Criteria: Meets Saturation Criteria	Hydric Soils Criteria: Meets Flooding Criteria	Hydric Soils Criteria: Meets Ponding Criteria	Acres
Ad:								
ADRIAN MUCK----------								
	ADRIAN (C)	Yes	Bog	1,3	YES	NO	YES	590
BUB:								
BOONTON-URBAN LAND COMPLEX, UNDULATING---								
	BOONTON (C)	No						4579
	URBAN LAND(C)	No						2576
BUC:								
BOONTON-URBAN LAND COMPLEX, GENTLY ROLLING----------								
	BOONTON (C)	No						5510
	URBAN LAND(C)	No						3100
BUD:								
BOONTON-URBAN LAND COMPLEX, HILLY--------								
	BOONTON (C)	No						3456
	URBAN LAND(C)	No						1344
BUE:								
BOONTON-URBAN LAND COMPLEX, VERY HILLY---								
	BOONTON (C)	No						1032
	URBAN LAND(C)	No						308
BoB:								
BOONTON GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES-								
	BOONTON (C)	No						1160

BERGEN COUNTY, NEW JERSEY
COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria: Hydric Criteria Code	Hydric Soils Criteria: Meets Saturation Criteria	Hydric Soils Criteria: Meets Flooding Criteria	Hydric Soils Criteria: Meets Ponding Criteria	Acres
BoC: BOONTON GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	BOONTON (C)	No						2545
BoD: BOONTON GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES----------	BOONTON (C)	No						935
BoE: BOONTON GRAVELLY LOAM, 25 TO 35 PERCENT SLOPES----------	BOONTON (C)	No						1335
BrB: BOONTON GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES, VERY STON Y----------	BOONTON (C)	No						260
BrC: BOONTON GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, VERY STO NY---	BOONTON (C)	No						670
BrD: BOONTON GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES, VERY ST ONY---	BOONTON (C)	No						265

BERGEN COUNTY, NEW JERSEY
COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria: Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	Acres
BsB: BOONTON-ROCK OUTCROP COMPLEX, 3 TO 8 PERCENT SLOPES--------								
	BOONTON (C)	No						287
	ROCK OUTCROP (C)	No						148
BsC: BOONTON-ROCK OUTCROP COMPLEX, 8 TO 15 PERCENT SLOPES--------								
	BOONTON (C)	No						799
	ROCK OUTCROP (C)	No						296
BsD: BOONTON-ROCK OUTCROP COMPLEX, 15 TO 25 PERCENT SLOPES--------								
	BOONTON (C)	No						288
	ROCK OUTCROP (C)	No						117
BsE: BOONTON-ROCK OUTCROP COMPLEX, VERY STEEP---								
	BOONTON (C)	No						997
	ROCK OUTCROP (C)	No						513
Ca: CARLISLE MUCK---------								
	CARLISLE (C)	Yes	Bog	1,3	YES	NO	YES	270
DVA: DUNELLEN-URBAN LAND COMPLEX, NEARLY LEVEL-								
	DUNELLEN (C)	No						2675
	URBAN LAND(C)	No						1505

BERGEN COUNTY, NEW JERSEY
COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria: Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	Acres
DVB: DUNELLEN-URBAN LAND COMPLEX, UNDULATING---								
	DUNELLEN (C)	No						9779
	URBAN LAND(C)	No						5501
DVC: DUNELLEN-URBAN LAND COMPLEX, ROLLING------								
	DUNELLEN (C)	No						8285
	URBAN LAND(C)	No						4660
DVD: DUNELLEN-URBAN LAND COMPLEX, HILLY--------								
	DUNELLEN (C)	No						1057
	URBAN LAND(C)	No						453
DuB: DUNELLEN LOAM, 3 TO 8 PERCENT SLOPES--------								
	DUNELLEN (C)	No						1220
DuC: DUNELLEN LOAM, 8 TO 15 PERCENT SLOPES--------								
	DUNELLEN (C)	No						1580
DuD: DUNELLEN LOAM, 15 TO 25 PERCENT SLOPES-----								
	DUNELLEN (C)	No						280
FL: FLUVAQUENTS, LOAMY----								
	FLUVAQUENTS (C)	Yes	Flood Plain	2B1	YES	NO	NO	2220

BERGEN COUNTY, NEW JERSEY
COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria: Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	Acres
HUB:								
HALEDON-URBAN LAND COMPLEX, UNDULATING---								
	HALEDON (C)	No						1068
	URBAN LAND(C)	No						712
HaB:								
HALEDON GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES-								
	HALEDON (C)	No						460
	HASBROUCK (I)	Yes	Depression	2B3	YES	NO	NO	
HbB:								
HALEDON GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES, VERY STON Y----------								
	HALEDON (C)	No						930
	HASBROUCK (I)	Yes	Depression	2B3	YES	NO	NO	
HvA:								
HASBROUCK LOAM, 0 TO 3 PERCENT SLOPES, VERY STONY----------								
	HASBROUCK (C)	Yes	Depression	2B3	YES	NO	NO	960
HzB:								
HIBERNIA LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY----------								
	HIBERNIA (C)	No						520
	HASBROUCK (I)	Yes	Depression	2B3	YES	NO	NO	
OtD:								
OTISVILLE GRAVELLY LOAMY SAND, 15 TO 25 PERCENT SLOPES--------								
	OTISVILLE (C)	No						360

BERGEN COUNTY, NEW JERSEY
COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria: Hydric Criteria Code	Hydric Soils Criteria: Meets Saturation Criteria	Hydric Soils Criteria: Meets Flooding Criteria	Hydric Soils Criteria: Meets Ponding Criteria	Acres
OtE:								
OTISVILLE GRAVELLY LOAMY SAND, 25 TO 35 PERCENT SLOPES--------								
	OTISVILLE (C)	No						310
PoA:								
PASCACK SILT LOAM, 0 TO 3 PERCENT SLOPES---								
	PASCACK (C)	No						1200
	PREAKNESS (I)	Yes	Depression	2B3,3	YES	NO	YES	
Pr:								
PREAKNESS SILT LOAM---								
	PREAKNESS (C)	Yes	Depression	2B3,3	YES	NO	YES	2000
Ps:								
PITS, SAND AND GRAVEL-								
	PITS (C)	No						200
RaA:								
RIVERHEAD SANDY LOAM, 0 TO 3 PERCENT SLOPES-								
	RIVERHEAD (C)	No						400
RaB:								
RIVERHEAD SANDY LOAM, 3 TO 8 PERCENT SLOPES-								
	RIVERHEAD (C)	No						1890
RaC:								
RIVERHEAD SANDY LOAM, 8 TO 15 PERCENT SLOPES								
	RIVERHEAD (C)	No						2290
RoC:								
ROCKAWAY GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, VERY ST ONY---								
	ROCKAWAY (C)	No						560

BERGEN COUNTY, NEW JERSEY
COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria: Hydric Criteria Code	Hydric Soils Criteria: Meets Saturation Criteria	Hydric Soils Criteria: Meets Flooding Criteria	Hydric Soils Criteria: Meets Ponding Criteria	Acres
RoD:								
ROCKAWAY GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES, VERY S TONY---								
	ROCKAWAY (C)	No						490
RoE:								
ROCKAWAY GRAVELLY LOAM, 25 TO 35 PERCENT SLOPES, VERY S TONY---								
	ROCKAWAY (C)	No						710
RrC:								
ROCKAWAY-ROCK OUTCROP COMPLEX, GENTLY ROLLING----------								
	ROCKAWAY (C)	No						1680
	ROCK OUTCROP (C)	No						560
RrD:								
ROCKAWAY-ROCK OUTCROP COMPLEX, HILLY--------								
	ROCKAWAY (C)	No						847
	ROCK OUTCROP (C)	No						363
RrE:								
ROCKAWAY-ROCK OUTCROP COMPLEX, VERY HILLY---								
	ROCKAWAY (C)	No						2152
	ROCK OUTCROP (C)	No						1108

BERGEN COUNTY, NEW JERSEY
COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria: Hydric Criteria Code	Hydric Soils Criteria: Meets Saturation Criteria	Hydric Soils Criteria: Meets Flooding Criteria	Hydric Soils Criteria: Meets Ponding Criteria	Acres
SU:								
SULFIHEMISTS AND SULFAQUENTS, FREQUENTLY FLOODED----								
	SULFIHEMISTS (C)	Yes	Tidal Flat	1,3	YES	NO	YES	1754
	SULFAQUENTS (C)	Yes	Tidal Flat	2B1,3	YES	NO	YES	1435
UR:								
URBAN LAND----------								
	URBAN LAND(C)	No						23335
Ua:								
UDORTHENTS, LOAMY-----								
	UDORTHENTS(C)	No						1400
Ub:								
UDORTHENTS, ORGANIC SUBSTRATUM----------								
	UDORTHENTS(C)	No						940
	SULFAQUENTS (I)	Yes	Tidal Flat	2B1,2B2	YES	NO	NO	
	SULFIHEMISTS (I)	Yes	Tidal Flat	1	YES	NO	NO	
Uc:								
UDORTHENTS, ORGANIC SUBSTRATUM-URBAN LAND COMPLEX----------								
	UDORTHENTS(C)	No						493
	URBAN LAND(C)	No						357
	ADRIAN (I)	Yes	Depression	1,3	YES	NO	YES	
	CARLISLE (I)	Yes	Depression	1,3,4	YES	YES	YES	
	SULFAQUENTS (I)	Yes	Tidal Flat	2B1,2B2	YES	NO	NO	
	SULFIHEMISTS (I)	Yes	Tidal Flat	1	YES	NO	NO	

BERGEN COUNTY, NEW JERSEY
COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria: Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	Acres
Ud:								
UDORTHENTS, REFUSE SUBSTRATUM----------								
	UDORTHENTS(C)	No						1270
	SULFAQUENTS (I)	Yes	Tidal Flat	2B1,2B2	YES	NO	NO	
	SULFIHEMISTS (I)	Yes	Tidal Flat	1	YES	NO	NO	
Ue:								
UDORTHENTS, WET SUBSTRATUM----------								
	UDORTHENTS(C)	No						4560
	SULFAQUENTS (I)	Yes	Tidal Flat	2B1,2B2	YES	NO	NO	
	SULFIHEMISTS (I)	Yes	Tidal Flat	1	YES	NO	NO	
Uf:								
UDORTHENTS, WET SUBSTRATUM-URBAN LAND COMPLEX----------								
	UDORTHENTS(C)	No						5081
	URBAN LAND(C)	No						3679
	SULFAQUENTS (I)	Yes	Tidal Flat	2B1,2B2	YES	NO	NO	
	SULFIHEMISTS (I)	Yes	Tidal Flat	1	YES	NO	NO	
W:								
WATER (LESS THAN 40 ACRES)----------								
	ERROR: There is no hydcomp record for component NJ003 003W 1							
WATER:								
WATER (GREATER THAN 40 ACRES)----------								
	ERROR: There is no hydcomp record for component NJ003 003WATER 1							

BERGEN COUNTY, NEW JERSEY
COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria: Hydric Criteria Code	Hydric Soils Criteria: Meets Saturation Criteria	Hydric Soils Criteria: Meets Flooding Criteria	Hydric Soils Criteria: Meets Ponding Criteria	Acres
WUB:								
WETHERSFIELD-URBAN LAND COMPLEX, UNDULATING----------								
	WETHERSFIELD (C)	No						643
	URBAN LAND (C)	No						362
WUC:								
WETHERSFIELD-URBAN LAND COMPLEX, GENTLY ROLLING----------								
	WETHERSFIELD (C)	No						1325
	URBAN LAND (C)	No						745
WUD:								
WETHERSFIELD-URBAN LAND COMPLEX, HILLY---								
	WETHERSFIELD (C)	No						900
	URBAN LAND (C)	No						350
WeB:								
WETHERSFIELD GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES----------								
	WETHERSFIELD (C)	No						1520
WeC:								
WETHERSFIELD GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES----------								
	WETHERSFIELD (C)	No						1555

BERGEN COUNTY, NEW JERSEY
COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria: Hydric Criteria Code	Hydric Soils Criteria: Meets Saturation Criteria	Hydric Soils Criteria: Meets Flooding Criteria	Hydric Soils Criteria: Meets Ponding Criteria	Acres
WeD: WETHERSFIELD GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES----------	WETHERSFIELD (C)	No						605
WeE: WETHERSFIELD GRAVELLY LOAM, 25 TO 35 PERCENT SLOPES----------	WETHERSFIELD (C)	No						405
WrD: WETHERSFIELD GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES, VE RY STONY---	WETHERSFIELD (C)	No						405
WsB: WETHERSFIELD-ROCK OUTCROP COMPLEX, 3 TO 8 PERCENT SLOPE S-----	WETHERSFIELD (C)	No						379
	ROCK OUTCROP (C)	No						195
WsC: WETHERSFIELD-ROCK OUTCROP COMPLEX, 8 TO 15 PERCENT SLOP ES----	WETHERSFIELD (C)	No						748
	ROCK OUTCROP (C)	No						277

BERGEN COUNTY, NEW JERSEY
COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria: Hydric Criteria Code	Hydric Soils Criteria: Meets Saturation Criteria	Hydric Soils Criteria: Meets Flooding Criteria	Hydric Soils Criteria: Meets Ponding Criteria	Acres
WsD:								
WETHERSFIELD-ROCK OUTCROP COMPLEX, 15 TO 25 PERCENT SLO PES----								
	WETHERSFIELD (C)	No						366
	ROCK OUTCROP (C)	No						149
WsE:								
WETHERSFIELD-ROCK OUTCROP COMPLEX, VERY STEEP----------								
	WETHERSFIELD (C)	No						257
	ROCK OUTCROP (C)	No						133

FOOTNOTE: There may be small areas of included soils or miscellaneous areas that are significant to use and management of the soil; yet are too small to delineate on the soil map at the map's original scale. These may be designated as spot symbols and are defined in the published Soil Survey Report or the USDA-NRCS Technical Guide, Part II.

HYDRIC SOILS CRITERIA CODES AND DEFINITIONS

1. All Histosols, except Folists, or

2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Aquisalids, Pachic subgroups, or Cumulic subgroups that are:

   a. Somewhat poorly drained with a water table equal to 0.0 foot (ft) from the surface during the growing season, or

   b. Poorly drained or very poorly drained and have either:

      (1) water table equal to 0.0 ft during the growing season if textures are coarse sand, sand, or fine sand in all layers within 20 inches (in), or for other soils

      (2) water table at less than or equal to 0.5 ft from the surface during the growing season if permeability is equal to or greater than 6.0 in/hour (h) in all layers within 20 in, or

      (3) water table at less than or equal to 1.0 ft from the surface during the growing season if permeability is less than 6.0 in/h in any layer within 20 in, or

3. Soils that are frequently ponded for long duration or very long duration during the growing season, or

4. Soils that are frequently flooded for long duration or very long duration during the growing season.