

UNION 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				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
AUB: AMWELL-URBAN LAND COMPLEX, GENTLY SLOPING-----	AMWELL (C) URBAN LAND(C)	No No						1023 627
AW: AQUENTS, FREQUENTLY FLOODED-----	AQUENTS (C)	Yes	Flood Plain	2B3	YES	NO	NO	1200
AmB: AMWELL SILT LOAM, 3 TO 8 PERCENT SLOPES-----	AMWELL (C)	No						1130
AmC: AMWELL SILT LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY-----	AMWELL (C)	No						110
BEB: BIRDSBORO-URBAN LAND COMPLEX, GENTLY SLOPING-----	BIRDSBORO (C) URBAN LAND(C)	No No						1782 1458

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 COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
BUB: BOONTON-URBAN LAND-HALEDON COMPLEX, GENTLY SLOPING-----	BOONTON (C)	No						7600
	URBAN LAND(C)	No						4104
	HALEDON (C)	No						3496
BUD: BOONTON-URBAN LAND COMPLEX, MODERATELY STEEP-----	BOONTON (C)	No						1207
	URBAN LAND(C)	No						493
BdB: BIRDSBORO SILT LOAM, 3 TO 8 PERCENT SLOPES---	BIRDSBORO (C)	No						230
BoB: BOONTON LOAM, 3 TO 8 PERCENT SLOPES-----	BOONTON (C)	No						1350
BoC: BOONTON GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	BOONTON (C)	No						450
BoD: BOONTON GRAVELLY LOAM, 15 TO 35 PERCENT SLOPES-----	BOONTON (C)	No						360
CA: CARLISLE-ADRIAN MUCKS-	CARLISLE (C)	Yes	Bog	1,3	YES	NO	YES	382
	ADRIAN (C)	Yes	Bog	1,3	YES	NO	YES	148

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Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
DUA: DUNELLEN-URBAN LAND COMPLEX, NEARLY LEVEL-	DUNELLEN (C)	No						360
	URBAN LAND(C)	No						220
DUB: DUNELLEN-URBAN LAND COMPLEX, GENTLY SLOPING-----	DUNELLEN (C)	No						342
	URBAN LAND(C)	No						218
DUD: DUNELLEN-URBAN LAND COMPLEX, MODERATELY STEEP-----	DUNELLEN (C)	No						77
	URBAN LAND(C)	No						43
DnB: DUNELLEN SANDY LOAM, 3 TO 8 PERCENT SLOPES---	DUNELLEN (C)	No						230
HUB: HALEDON-URBAN LAND-HASBROUCK COMPLEX, GENTLY SLOPING-----	HALEDON (C)	No						4110
	URBAN LAND(C)	No						3082
	HASBROUCK (C)	Yes	Depression	2B3	YES	NO	NO	2148
HaA: HALEDON LOAM, 0 TO 3 PERCENT SLOPES-----	HALEDON (C)	No						560
	HASBROUCK (I)	Yes	Depression	2B3	YES	NO	NO	
	PASSAIC (I)	Yes	Depression	2B3	YES	NO	NO	

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Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
HaB: HALEDON LOAM, 3 TO 8 PERCENT SLOPES-----	HALEDON (C)	No						800
Hv: HASBROUCK SILT LOAM, 0 TO 3 PERCENT SLOPES---	HASBROUCK (C)	Yes	Depression	2B3	YES	NO	NO	420
NUB: NESHAMINY-URBAN LAND COMPLEX, GENTLY SLOPING-----	NESHAMINY (C)	No						496
	URBAN LAND(C)	No						184
NUD: NESHAMINY-URBAN LAND COMPLEX, MODERATELY STEEP-----	NESHAMINY (C)	No						317
	URBAN LAND(C)	No						163
NhB: NESHAMINY SILT LOAM, 3 TO 8 PERCENT SLOPES, EXTREMELY STONY-----	NESHAMINY (C)	No						440
NhC: NESHAMINY SILT LOAM, 8 TO 15 PERCENT SLOPES, EXTREMELY STONY-----	NESHAMINY (C)	No						140

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Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
NhD: NESHAMINY SILT LOAM, 15 TO 25 PERCENT SLOPES, EXTREMELY STONY-----	NESHAMINY (C)	No						130
NhF: NESHAMINY SILT LOAM, 25 TO 45 PERCENT SLOPES, EXTREMELY STONY-----	NESHAMINY (C)	No						340
PM: PARSIPPANY-URBAN LAND COMPLEX, NEARLY LEVEL-	PARSIPPANY(C)	Yes	Lake Terrace	2B3	YES	NO	NO	486
	URBAN LAND(C)	No						324
PhA: PARSIPPANY SILT LOAM, 0 TO 3 PERCENT SLOPES-	PARSIPPANY(C)	Yes	Lake Terrace	2B3	YES	NO	NO	250
PvA: PASSAIC SILT LOAM, 0 TO 3 PERCENT SLOPES---	PASSAIC (C)	Yes	Lake Terrace	2B3	YES	NO	NO	560
RUA: RARITAN-URBAN LAND-PASSAIC COMPLEX, NEARLY LEVEL-----	RARITAN (C)	No						725
	URBAN LAND(C)	No						391
	PASSAIC (C)	Yes	Lake Terrace	2B3	YES	NO	NO	333

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Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
RbA: RARITAN SILT LOAM, 0 TO 3 PERCENT SLOPES---	RARITAN (C)	No						310
	AQUENTS (I)	Yes	Flood Plain	2B3	YES	NO	NO	
	PASSAIC (I)	Yes	Flood Plain	2B3	YES	NO	NO	
SU: SULFIHEMISTS AND SULFAQUENTS, FREQUENTLY FLOODED----	SULFIHEMIS TS (C)	Yes	Tidal Flat	1,3	YES	NO	YES	265
	SULFAQUENT S (C)	Yes	Tidal Flat	2B3,3	YES	NO	YES	265
TuE: TUNKHANNOCK GRAVELLY LOAM, 25 TO 35 PERCENT SLOPES-----	TUNKHANNOCK K (C)	No						190
UF: UDIFLUVENTS, FREQUENTLY FLOODED----	UDIFLUVENT S (C)	No						220
	ADRIAN (I)	Yes	Bog	1,3	YES	NO	YES	
	AQUENTS (I)	Yes	Flood Plain	2B3	YES	NO	NO	
	CARLISLE (I)	Yes	Bog	1,3	YES	NO	YES	
UG: UDORTHENTS, LOAMY-----	UDORTHENTS(C)	No						1500
UH: UDORTHENTS, ORGANIC SUBSTRATUM-----	UDORTHENTS(C)	No						2300

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				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
UK: UDORTHENTS, WASTE SUBSTRATUM-----	UDORTHENTS(C)	No						700
UL: URBAN LAND-----	URBAN LAND(C)	No						13500
W: WATER (LESS THAN 40 ACRES)-----	ERROR: There is no hydcomp record for component NJ039 039W 1							
WATER: WATER (GREATER THAN 40 ACRES)-----	ERROR: There is no hydcomp record for component NJ039 039WATER 1							
WU: WHIPPANY-URBAN LAND COMPLEX, GENTLY SLOPING-----	WHIPPANY (C)	No						775
	URBAN LAND(C)	No						475
WhA: WHIPPANY SILT LOAM, 0 TO 3 PERCENT SLOPES---	WHIPPANY (C)	No						140
	AQUENTS (I)	Yes	Flood Plain	2B3	YES	NO	NO	
	PARSIPPANY(I)	Yes	Depression	2B3	YES	NO	NO	
WhB: WHIPPANY SILT LOAM, 3 TO 8 PERCENT SLOPES---	WHIPPANY (C)	No						160

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.