

SOMERSET 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	
AbA: ABBOTTSTOWN SILT LOAM, 0 TO 2 PERCENT SLOPES-	ABBOTTSTOW N (C) CROTON (I)	No Yes	Depression	2B3	YES	NO	NO	240
AbB: ABBOTTSTOWN SILT LOAM, 2 TO 6 PERCENT SLOPES-	ABBOTTSTOW N (C) CROTON (I)	No Yes	Depression	2B3	YES	NO	NO	1380
AmB: AMWELL GRAVELLY LOAM, 2 TO 6 PERCENT SLOPES-	AMWELL (C) WATCHUNG (I)	No Yes	Depression	2B3	YES	NO	NO	1670
AmC: AMWELL GRAVELLY LOAM, 6 TO 12 PERCENT SLOPES	AMWELL (C) WATCHUNG (I)	No Yes	Depression	2B3	YES	NO	NO	410
AnB: AMWELL GRAVELLY SILT LOAM, ROCK SUBSTRATUM, 2 TO 6 PERCENT SLOPES-	AMWELL (C) WATCHUNG (I)	No Yes	Depression	2B3	YES	NO	NO	1960

SOMERSET COUNTY, NEW JERSEY  
 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	
AnC: AMWELL GRAVELLY SILT LOAM, ROCK SUBSTRATUM, 6 TO 12 PERCENT SLOPES	AMWELL (C) WATCHUNG (I)	No Yes	Depression	2B3	YES	NO	NO	570
ArB: ARENDSVILLE GRAVELLY LOAM, 2 TO 6 PERCENT SLOPES-----	ARENDSVIL LE (C)	No						1000
ArC: ARENDSVILLE GRAVELLY LOAM, 6 TO 12 PERCENT SLOPES-----	ARENDSVIL LE (C)	No						1020
BaC: BARTLEY LOAM, 3 TO 15 PERCENT SLOPES-----	BARTLEY (C)	No						420
BdA: BIRDSBORO SILT LOAM, 0 TO 2 PERCENT SLOPES---	BIRDSBORO (C)	No						430
BdB: BIRDSBORO SILT LOAM, 2 TO 6 PERCENT SLOPES---	BIRDSBORO (C)	No						5500
BdC: BIRDSBORO SILT LOAM, 6 TO 12 PERCENT SLOPES--	BIRDSBORO (C)	No						560

SOMERSET COUNTY, NEW JERSEY  
 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	
Bt: BOWMANVILLE SILT LOAM	BOWMANVILLE (C)	Yes	Flood Plain	2B3	YES	NO	NO	2350
BuB: BUCKS SILT LOAM, 2 TO 6 PERCENT SLOPES-----	BUCKS (C)	No						3000
BuC2: BUCKS SILT LOAM, 6 TO 12 PERCENT SLOPES, ERODED-----	BUCKS (C)	No						700
CaB: CALIFON GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES-	CALIFON (C) COKESBURY (I)	No Yes	Depression	2B3	YES	NO	NO	260
CcB: CALIFON VERY STONY LOAM, 3 TO 8 PERCENT SLOPES-----	CALIFON (C) COKESBURY (I)	No Yes	Depression	2B3	YES	NO	NO	320
CdB: CHALFONT SILT LOAM, 2 TO 6 PERCENT SLOPES---	CHALFONT (C) CROTON (I)	No Yes	Depression	2B3	YES	NO	NO	1430
CdC: CHALFONT SILT LOAM, 6 TO 12 PERCENT SLOPES--	CHALFONT (C) CROTON (I)	No Yes	Depression	2B3	YES	NO	NO	520

SOMERSET COUNTY, NEW JERSEY  
 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	
CeB: CHALFONT STONY SILT LOAM, 2 TO 6 PERCENT SLOPES-----	CHALFONT (C) CROTON (I)	No Yes	Depression	2B3	YES	NO	NO	680
CeC: CHALFONT STONY SILT LOAM, 6 TO 12 PERCENT SLOPES-----	CHALFONT (C) CROTON (I)	No Yes	Depression	2B3	YES	NO	NO	880
CeE: CHALFONT STONY SILT LOAM, 12 TO 25 PERCENT SLOPES-----	CHALFONT (C)	No						710
CpB: COKESBURY VERY STONY LOAM, 0 TO 8 PERCENT SLOPES-----	COKESBURY (C)	Yes	Depression	2B3	YES	NO	NO	220
CrA: CROTON SILT LOAM, 0 TO 2 PERCENT SLOPES-----	CROTON (C)	Yes	Depression	2B3	YES	NO	NO	1740
CrB: CROTON SILT LOAM, 2 TO 6 PERCENT SLOPES-----	CROTON (C)	Yes	Depression	2B3	YES	NO	NO	310
DnA: DUNELLEN SANDY LOAM, 0 TO 2 PERCENT SLOPES---	DUNELLEN (C)	No						330

SOMERSET COUNTY, NEW JERSEY  
 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	
DnB: DUNELLEN SANDY LOAM, 2 TO 6 PERCENT SLOPES---	DUNELLEN (C)	No						3050
DnC: DUNELLEN SANDY LOAM, 6 TO 12 PERCENT SLOPES--	DUNELLEN (C)	No						200
Dw: DUNELLEN SANDY LOAM, MODERATELY WELL DRAINED VARIANT-----	DUNELLEN VARIANT (C) LAMINGTON (I)	No Yes	Depression	2B3	YES	NO	NO	1620
EdB: EDNEYVILLE GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES-----	EDNEYVILLE(C)	No						1460
EdC: EDNEYVILLE GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES-----	EDNEYVILLE(C)	No						2200
EdD: EDNEYVILLE GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES-----	EDNEYVILLE(C)	No						850
Ek: ELKTON SILT LOAM-----	ELKTON (C)	Yes	Marine Terrace	2B3	YES	NO	NO	330

SOMERSET COUNTY, NEW JERSEY  
 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	
FL: FLUVAQUENTS-----	FLUVAQUENT S (C)	Yes	Flood Plain	2B3	YES	NO	NO	740
GP: GRAVEL PIT-----	GRAVEL PITS (C)	No						150
KfA: KEYPORT SILT LOAM, 0 TO 2 PERCENT SLOPES---	KEYPORT (C) ELKTON (I)	No Yes	Marine Terrace	2B3	YES	NO	NO	610
KfB: KEYPORT SILT LOAM, 2 TO 6 PERCENT SLOPES---	KEYPORT (C) ELKTON (I)	No Yes	Marine Terrace	2B3	YES	NO	NO	480
KlC: KLINESVILLE SHALY LOAM, 2 TO 12 PERCENT SLOPES-----	KLINESVILL E (C)	No						12500
KlD: KLINESVILLE SHALY LOAM, 12 TO 18 PERCENT SLOPES-----	KLINESVILL E (C)	No						3150

SOMERSET COUNTY, NEW JERSEY  
 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	
K1E: KLINESVILLE SHALY LOAM, 18 TO 35 PERCENT SLOPES-----	KLINESVILL E (C)	No						330
La: LAMINGTON SILT LOAM---	LAMINGTON (C)	Yes	Steptoe	2B3	YES	NO	NO	480
LbA: LANSLOWNE SILT LOAM, 0 TO 2 PERCENT SLOPES---	LANSLOWNE (C) ELKTON (I)	No Yes	Depression	2B3	YES	NO	NO	3030
LbB: LANSLOWNE SILT LOAM, 2 TO 6 PERCENT SLOPES---	LANSLOWNE (C) BOWMANSVIL LE (I)	No Yes	Depression	2B3	YES	NO	NO	3340
LeB: LAWRENCEVILLE SILT LOAM, 2 TO 6 PERCENT SLOPES-----	LAWRENCEVI LLE (C) CROTON (I)	No Yes	Depression	2B3	YES	NO	NO	640
LeC: LAWRENCEVILLE SILT LOAM, 6 TO 12 PERCENT SLOPES-----	LAWRENCEVI LLE (C)	No						290

SOMERSET COUNTY, NEW JERSEY  
 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	
LhB: LEHIGH SILT LOAM, 2 TO 6 PERCENT SLOPES-----	LEHIGH (C) CROTON (I)	No Yes	Depression	2B3	YES	NO	NO	1100
LhC: LEHIGH SILT LOAM, 6 TO 15 PERCENT SLOPES-----	LEHIGH (C)	No						790
ML: MADE LAND, SANITARY LAND FILL-----	MADE LAND, SANITARY LAND FILL (C)	No						136
MeB: MECKESVILLE GRAVELLY LOAM, 2 TO 6 PERCENT SLOPES-----	MECKESVILL E (C)	No						1530
MeC: MECKESVILLE GRAVELLY LOAM, 6 TO 12 PERCENT SLOPES-----	MECKESVILL E (C)	No						660
MoB: MOUNT LUCAS SILT LOAM, 2 TO 6 PERCENT SLOPES-	MOUNT LUCAS (C) WATCHUNG (I)	No Yes	Depression	2B3	YES	NO	NO	1820

SOMERSET COUNTY, NEW JERSEY  
 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	
MpC: MOUNT LUCAS GRAVELLY SILT LOAM, 6 TO 12 PERCENT SLOPES-----	MOUNT LUCAS (C) WATCHUNG (I)	No Yes	Depression	2B3	YES	NO	NO	420
MuB: MOUNT LUCAS-WATCHUNG VERY STONY SILT LOAMS, 2 TO 12 PERCENT SLOPES	MOUNT LUCAS (C) WATCHUNG (C)	No Yes	Depression	2B3	YES	NO	NO	4421 2709
NeB: NESHAMINY SILT LOAM, 2 TO 6 PERCENT SLOPES---	NESHAMINY (C)	No						3500
NeC: NESHAMINY SILT LOAM, 6 TO 12 PERCENT SLOPES--	NESHAMINY (C)	No						1210
NhE: NESHAMINY VERY STONY SILT LOAM, 18 TO 35 PERCENT SLOPES-----	NESHAMINY (C)	No						2360
NkC: NESHAMINY-MOUNT LUCAS VERY STONY SILT LOAMS, 2 TO 12 PERCENT SLOPES	NESHAMINY (C) MOUNT LUCAS (C)	No No						6028 3694

SOMERSET COUNTY, NEW JERSEY  
 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	
NkD: NESHAMINY-MOUNT LUCAS VERY STONY SILT LOAMS, 12 TO 18 PERCENT SLOPES-----	NESHAMINY (C)	No						2864
	MOUNT LUCAS (C)	No						1756
NmB: NESHAMINY SILT LOAM, FRAGIPAN VARIANT, 2 TO 6 PERCENT SLOPES-----	NESHAMINY VARIANT (C)	No						420
NmC: NESHAMINY SILT LOAM, FRAGIPAN VARIANT, 6 TO 12 PERCENT SLOPES-----	NESHAMINY VARIANT (C)	No						820
NoA: NORTON LOAM, 0 TO 2 PERCENT SLOPES-----	NORTON (C)	No						560
NoB: NORTON LOAM, 2 TO 6 PERCENT SLOPES-----	NORTON (C)	No						5400
NoC: NORTON LOAM, 6 TO 12 PERCENT SLOPES-----	NORTON (C)	No						580

SOMERSET COUNTY, NEW JERSEY  
 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	
NoC2: NORTON LOAM, 6 TO 12 PERCENT SLOPES, ERODED	NORTON (C)	No						630
PbC: PARKER VERY GRAVELLY SANDY LOAM, 3 TO 15 PERCENT SLOPES-----	PARKER (C)	No						1150
PcE: PARKER ROCKY SANDY LOAM, 25 TO 35 PERCENT SLOPES-----	PARKER (C)	No						530
PeD: PARKER-EDNEYVILLE VERY STONY SOILS, 15 TO 25 PERCENT SLOPES-----	PARKER (C) EDNEYVILLE(C)	No No						992 608
Ph: PARSIPPANY SILT LOAM--	PARSIPPANY(C)	Yes	Lake Terrace	2B3	YES	NO	NO	4450
Pk: PARSIPPANY SILT LOAM, VERY POORLY DRAINED VARIANT-----	PARSIPPANY VARIANT (C)	Yes	Flood Plain	2B3,3	YES	NO	YES	520
PlC: PATTENBURG GRAVELLY LOAM, 6 TO 12 PERCENT SLOPES-----	PATTENBURG(C)	No						390

SOMERSET COUNTY, NEW JERSEY  
 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	
P1D: PATTENBURG GRAVELLY LOAM, 12 TO 18 PERCENT SLOPES-----	PATTENBURG(C)	No						560
PmA: PENN SILT LOAM, 0 TO 2 PERCENT SLOPES-----	PENN (C)	No						570
PmB: PENN SILT LOAM, 2 TO 6 PERCENT SLOPES-----	PENN (C)	No						16700
PmC: PENN SILT LOAM, 6 TO 12 PERCENT SLOPES-----	PENN (C)	No						2960
PnB: PENN SHALY SILT LOAM, 2 TO 6 PERCENT SLOPES-	PENN (C)	No						11500
PnC: PENN SHALY SILT LOAM, 6 TO 12 PERCENT SLOPES	PENN (C)	No						8470
QU: QUARRY-----	QUARRIES (C)	No						778
QkC: QUAKERTOWN SILT LOAM, 2 TO 12 PERCENT SLOPES	QUAKERTOWN(C) CROTON (I)	No Yes	Depression	2B3	YES	NO	NO	330

SOMERSET COUNTY, NEW JERSEY  
 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	
QkD: QUAKERTOWN SILT LOAM, 12 TO 18 PERCENT SLOPES-----	QUAKERTOWN(C)	No						230
RbA: RARITAN SILT LOAM, 0 TO 4 PERCENT SLOPES---	RARITAN (C) LAMINGTON (I)	No Yes	Steptoe	2B3	YES	NO	NO	5210
RcB: READINGTON SILT LOAM, 2 TO 6 PERCENT SLOPES-	READINGTON(C) CROTON (I)	No Yes	Depression	2B3	YES	NO	NO	560
ReA: REAVILLE SILT LOAM, 0 TO 2 PERCENT SLOPES---	REAVILLE (C) CROTON (I)	No Yes	Depression	2B3	YES	NO	NO	1330
ReB: REAVILLE SILT LOAM, 2 TO 6 PERCENT SLOPES---	REAVILLE (C) CROTON (I)	No Yes	Depression	2B3	YES	NO	NO	3560
RhC: RIVERHEAD SANDY LOAM, 3 TO 15 PERCENT SLOPES	RIVERHEAD (C)	No						390
Ro: ROWLAND SILT LOAM-----	ROWLAND (C) BOWMANSVIL LE (I)	No Yes	Depression	2B3	YES	NO	NO	15350

SOMERSET COUNTY, NEW JERSEY  
 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	
RyB: ROYCE SILT LOAM, 2 TO 6 PERCENT SLOPES-----	ROYCE (C)	No						5460
UD: UDIFLUENTS AND OCHREPTS-----	UDIFLUENT S (C)	No						750
	OCHREPTS (C)	No						750
	FLUVAQUENT S (I)	Yes	Flood Plain	2B3	YES	NO	NO	
Um: URBAN LAND-----	URBAN LAND(C)	No						970
W: WATER (LESS THAN 40 ACRES)-----	ERROR: There is no hydcomp record for component				NJ035 035W	1		
WATER: WATER (GREATER THAN 40 ACRES)-----	ERROR: There is no hydcomp record for component				NJ035 035WATER	1		
Wc: WATCHUNG SILT LOAM----	WATCHUNG (C)	Yes	Depression	2B3	YES	NO	NO	1830
WhA: WHIPPANY SILT LOAM, 0 TO 4 PERCENT SLOPES---	WHIPPANY (C)	No						470
	PARSIPPANY(I)	Yes	Lake Terrace	2B3	YES	NO	NO	

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.