

Hydrologic Soil Groups

Cayuga County, New York

November 2015

Map Unit Symbol	Map Unit Name	Component Name	Hydrologic Soil Group
Ac	Alden mucky silt loam	Alden	C/D
Ad	Alden mucky silt loam, till substratum	Alden	C/D
Al	Alluvial land	Fluvaquents	A/D
Al	Alluvial land	Udifluvents	A
AmA	Alton cobbly loam, 0 to 3 percent slopes	Alton	A
AmB	Alton cobbly loam, 3 to 8 percent slopes	Alton	A
AnA	Alton gravelly sandy loam, 0 to 3 percent slopes	Alton	A
AnB	Alton gravelly sandy loam, 3 to 8 percent slopes	Alton	A
AnC	Alton gravelly sandy loam, 8 to 15 percent slopes	Alton	A
AoD	Alton and Howard soils, 15 to 25 percent slopes	Alton	A
AoD	Alton and Howard soils, 15 to 25 percent slopes	Howard	A
ArB	Angola silt loam, 1 to 6 percent slopes	Angola	D
ArC	Angola silt loam, 6 to 12 percent slopes	Angola	D
AsB	Appleton and Lyons soils, 0 to 3 percent slopes	Appleton	B/D
AsB	Appleton and Lyons soils, 0 to 3 percent slopes	Lyons	C/D
AsB	Appleton and Lyons soils, 0 to 3 percent slopes	Lyons	C/D
AtB	Arkport fine sandy loam, 1 to 6 percent slopes	Arkport	A
AtC	Arkport fine sandy loam, 6 to 12 percent slopes	Arkport	A
AuC	Arnot channery silt loam, 3 to 15 percent slopes	Arnot	D
AuD	Arnot channery silt loam, 15 to 25 percent slopes	Arnot	D
AvE	Arnot soils, 25 to 45 percent slopes	Arnot	D
AwB	Aurora silt loam, 2 to 6 percent slopes	Aurora	D
AwC	Aurora silt loam, 6 to 12 percent slopes	Aurora	D
AwC3	Aurora silt loam, 6 to 12 percent slopes eroded	Aurora	D
AwD3	Aurora silt loam, 12 to 18 percent slopes, eroded	Aurora	D
AwE	Aurora silt loam, 18 to 30 percent slopes	Aurora	D
AxB	Aurora silt loam, limestone substratum, 2 to 8 percent slopes	Aurora	D
AyD	Aurora and Farmington channery silt loams, 12 to 18 percent slopes	Aurora	D
AyD	Aurora and Farmington channery silt loams, 12 to 18 percent slopes	Farmington	D
AyE	Aurora and Farmington channery silt loams, 18 to 40 percent slopes	Aurora	D
AyE	Aurora and Farmington channery silt loams, 18 to 40 percent slopes	Farmington	D

Map Unit Symbol	Map Unit Name	Component Name	Hydrologic Soil Group
AzF	Aurora, Farmington, and Benson very rocky soils, 20 to 70 percent slopes	Aurora	D
AzF	Aurora, Farmington, and Benson very rocky soils, 20 to 70 percent slopes	Farmington	D
AzF	Aurora, Farmington, and Benson very rocky soils, 20 to 70 percent slopes	Benson	D
BeB	Benson loam, 1 to 8 percent slopes	Benson	D
BeC	Benson loam, 8 to 14 percent slopes	Benson	D
BkD	Benson very rocky loam, 2 to 20 percent slopes	Benson	D
BIB	Brockport and Lockport silty clay loams, 2 to 6 percent slopes	Brockport	D
BIB	Brockport and Lockport silty clay loams, 2 to 6 percent slopes	Lockport	D
CaB	Camillus silt loam, 2 to 6 percent slopes	Camillus	C
CaC3	Camillus silt loam, 6 to 12 percent slopes, eroded	Camillus	C
CeB	Cazenovia silt loam, 2 to 8 percent slopes	Cazenovia	C
CeC	Cazenovia silt loam, 8 to 14 percent slopes	Cazenovia	C
CeC3	Cazenovia silt loam, 5 to 14 percent slopes, eroded	Cazenovia	C
CeCK	Cazenovia silt loam, rolling	Cazenovia	C
CeD	Cazenovia silt loam, 12 to 20 percent slopes	Cazenovia	C
ChE	Cazenovia and Schoharie soils, 20 to 40 percent slopes	Cazenovia	C
ChE	Cazenovia and Schoharie soils, 20 to 40 percent slopes	Schoharie	D
CIA	Collamer silt loam, 0 to 2 percent slopes	Collamer	C/D
CIB	Collamer silt loam, 2 to 6 percent slopes	Collamer	C/D
CmB	Colonie loamy fine sand, 1 to 6 percent slopes	Colonie	A
CmC	Colonie loamy fine sand, 6 to 12 percent slopes	Colonie	A
CnB	Colonie fine sandy loam, 1 to 6 percent slopes	Colonie	A
CpD	Colonie and Arkport soils, 12 to 22 percent slopes	Colonie	A
CpD	Colonie and Arkport soils, 12 to 22 percent slopes	Arkport	A
CsA	Conesus gravelly silt loam, 0 to 3 percent slopes	Conesus	B/D
CsB	Conesus gravelly silt loam, 3 to 8 percent slopes	Conesus	B/D
DuB	Dunkirk silt loam, 1 to 6 percent slopes	Dunkirk	C
DuC3	Dunkirk silt loam, 6 to 12 percent slopes, eroded	Dunkirk	C
DuD3	Dunkirk silt loam, 12 to 18 percent slopes, eroded	Dunkirk	C
DvE	Dunkirk soils, 18 to 35 percent slopes	Dunkirk	C
Ed	Edwards muck	Edwards	D
Ee	Eel silt loam	Teel	B/D
Eh	Eel silt loam, high bottom	Teel	B/D
EIB	Ellery and Alden silt loams, 3 to 8 percent slopes	Chippewa	D
EIB	Ellery and Alden silt loams, 3 to 8 percent slopes	Alden	C/D
ErA	Erie channery silt loam, 0 to 3 percent slopes	Erie	D

Map Unit Symbol	Map Unit Name	Component Name	Hydrologic Soil Group
ErB	Erie channery silt loam, 3 to 8 percent slopes	Erie	D
EsA	Erie channery silt loam, moderately shallow variant, 0 to 3 percent slopes	Erie variant	D
EsB	Erie channery silt loam, moderately shallow variant, 3 to 8 percent slopes	Erie variant	D
FaC	Farmington channery silt loam, 1 to 12 percent slopes	Farmington	D
Fo	Fonda mucky silt loam	Fonda	C/D
Fr	Fredon loam	Fredon	B/D
Fw	Fresh water marsh	Saprists	A/D
Fw	Fresh water marsh	Aquents	C/D
GaA	Galen fine sandy loam, 0 to 2 percent slopes	Galen	A/D
GaB	Galen fine sandy loam, 2 to 6 percent slopes	Galen	A/D
Gn	Genesee silt loam	Hamlin	B
Go	Genesee silt loam, high bottom	Hamlin	B
Gv	Genesee gravelly loam, fan	Palmyra	A
HIA	Hilton loam, 0 to 3 percent slopes	Hilton	C/D
HIB	Hilton loam, 3 to 8 percent slopes	Hilton	C/D
HnB	Honeoye silt loam, 2 to 8 percent slopes	Honeoye	C
HnC	Honeoye silt loam, 8 to 14 percent slopes	Honeoye	C
HnC3	Honeoye silt loam, 8 to 14 percent slopes, eroded	Honeoye	C
HoCK	Honeoye soils, rolling	Honeoye	C
HsD	Honeoye and Lansing soils, 14 to 20 percent slopes	Honeoye	C
HsD	Honeoye and Lansing soils, 14 to 20 percent slopes	Lansing	B
HwA	Howard gravelly loam, 0 to 3 percent slopes	Howard	A
HwB	Howard gravelly loam, 3 to 8 percent slopes	Howard	A
HwC	Howard gravelly loam, 8 to 15 percent slopes	Howard	A
IrA	Ira gravelly loam, 0 to 3 percent slopes	Ira	D
IrB	Ira gravelly loam, 3 to 8 percent slopes	Ira	D
IsD	Ira and Sodus very stony loams, 2 to 20 percent slopes	Ira	D
IsD	Ira and Sodus very stony loams, 2 to 20 percent slopes	Sodus	D
KeB	Kendaia silt loam, 3 to 8 percent slopes	Kendaia	B/D
KIA	Kendaia and Lyons soils, 0 to 3 percent slopes	Kendaia	B/D
KIA	Kendaia and Lyons soils, 0 to 3 percent slopes	Lyons	C/D
KIA	Kendaia and Lyons soils, 0 to 3 percent slopes	Lyons	C/D
Lb	Lake beaches	Beaches	
Lc	Lakemont silty clay loam, 0 to 3 percent slopes	Lakemont	D
Le	Lamson fine sandy loam	Lamson	A/D
Lf	Lamson mucky fine sandy loam	Lamson	A/D

Map Unit Symbol	Map Unit Name	Component Name	Hydrologic Soil Group
LgB	Langford channery silt loam, 2 to 8 percent slopes	Langford	D
LgC	Langford channery silt loam, 8 to 15 percent slopes	Langford	D
LgCK	Langford channery silt loam, rolling	Langford	D
LgD	Langford channery silt loam, 15 to 25 percent slopes	Langford	D
LhB	Langford-Howard gravelly loams, 2 to 8 percent slopes	Langford	D
LhB	Langford-Howard gravelly loams, 2 to 8 percent slopes	Howard	A
LhC	Langford-Howard gravelly loams, 8 to 15 percent slopes	Langford	D
LhC	Langford-Howard gravelly loams, 8 to 15 percent slopes	Howard	A
LhD	Langford-Howard gravelly loams, 15 to 25 percent slopes	Langford	D
LhD	Langford-Howard gravelly loams, 15 to 25 percent slopes	Howard	A
LhE	Langford-Howard gravelly loams, 25 to 45 percent slopes	Langford	D
LhE	Langford-Howard gravelly loams, 25 to 45 percent slopes	Howard	A
LnB	Langford channery silt loam, moderately shallow variant, 2 to 8 percent slopes	Langford variant	D
LsB	Lansing gravelly silt loam, 3 to 8 percent slopes	Lansing	B
LsC	Lansing gravelly silt loam, 8 to 15 percent slopes	Lansing	B
LtA	Lima silt loam, 0 to 3 percent slopes	Lima	C/D
LtB	Lima silt loam, 3 to 8 percent slopes	Lima	C/D
LwB	Lordstown channery silt loam, 2 to 8 percent slopes	Lordstown	C
LwC	Lordstown channery silt loam, 8 to 15 percent slopes	Lordstown	C
Ma	Madalin silt loam, 0 to 3 percent slopes	Madalin	C/D
Mb	Madalin silt loam, sandy subsoil variant	Madalin	C/D
Mc	Made land, sanitary land fill	Udorthents	A
Md	Made land, tillable	Udorthents	A
Mf	Minoa fine sandy loam	Minoa	B/D
Mr	Muck, deep	Muck	A/D
Ms	Muck, shallow	Muck	B/D
Na	Niagara fine sandy loam	Niagara	C/D
Nc	Niagara and Canandaigua silt loams	Niagara	C/D
Nc	Niagara and Canandaigua silt loams	Canandaigua	C/D
OdA	Odessa silt loam, 0 to 2 percent slopes	Odessa	C/D
OdB	Odessa silt loam, 2 to 6 percent slopes	Odessa	C/D
OfB	Ontario fine sandy loam, 2 to 8 percent slopes	Ontario	C
OfC	Ontario fine sandy loam, 8 to 14 percent slopes	Ontario	C
OfCK	Ontario fine sandy loam, rolling	Ontario	C
OnB	Ontario loam, 2 to 8 percent slopes	Ontario	C
OnC	Ontario loam, 8 to 14 percent slopes	Ontario	C

Map Unit Symbol	Map Unit Name	Component Name	Hydrologic Soil Group
OnC3	Ontario loam, 8 to 14 percent slopes, eroded	Ontario	C
OnCK	Ontario loam, rolling	Ontario	C
OnD	Ontario loam, 14 to 20 percent slopes	Ontario	C
OnD3	Ontario loam, 14 to 20 percent slopes, eroded	Ontario	C
OrA	Ontario silt loam, moderately shallow variant, 0 to 3 percent slopes	Ontario	C
OrB	Ontario silt loam, moderately shallow variant, 3 to 8 percent slopes	Ontario	C
OrC	Ontario silt loam, moderately shallow variant, 8 to 14 percent slopes	Ontario	C
OtE	Ontario, Honeoye, and Lansing soils, 20 to 35 percent slopes	Ontario	C
OtE	Ontario, Honeoye, and Lansing soils, 20 to 35 percent slopes	Honeoye	C
OtE	Ontario, Honeoye, and Lansing soils, 20 to 35 percent slopes	Lansing	B
OtF	Ontario, Honeoye, and Lansing soils, 35 to 50 percent slopes	Ontario	C
OtF	Ontario, Honeoye, and Lansing soils, 35 to 50 percent slopes	Honeoye	C
OtF	Ontario, Honeoye, and Lansing soils, 35 to 50 percent slopes	Lansing	B
OvA	Ovid silt loam, 0 to 2 percent slopes	Ovid	C/D
OvB	Ovid silt loam, 2 to 6 percent slopes	Ovid	C/D
PaB	Palmyra gravelly sandy loam, 3 to 8 percent slopes	Palmyra	A
PaC	Palmyra gravelly sandy loam, 8 to 15 percent slopes	Palmyra	A
Pb	Borrow pits and clay pits	Udorthents	A
Pb	Borrow pits and clay pits	Udorthents	D
PgA	Palmyra gravelly loam, 0 to 3 percent slopes	Palmyra	A
PgB	Palmyra gravelly loam, 3 to 8 percent slopes	Palmyra	A
PgC	Palmyra gravelly loam, 8 to 15 percent slopes	Palmyra	A
PmD	Palmyra soils, 15 to 25 percent slopes	Palmyra	A
PnE	Palmyra, Howard, and Alton soils, 25 to 40 percent slopes	Palmyra	A
PnE	Palmyra, Howard, and Alton soils, 25 to 40 percent slopes	Howard	A
PnE	Palmyra, Howard, and Alton soils, 25 to 40 percent slopes	Alton	A
Pt	Pits, sand and gravel	Gravel pits	
Pu	Peat and Muck	Peat	A/D
Pu	Peat and Muck	Muck	A/D
Pv	Phelps gravelly silt loam	Phelps	B/D
Qu	Quarries	Quarries	
RgB	Riga and Lairdsville silt loams, 2 to 6 percent slopes	Riga	D
RgB	Riga and Lairdsville silt loams, 2 to 6 percent slopes	Lairdsville	D
RIC3	Riga and Lairdsville silty clay loams, 6 to 12 percent slopes, eroded	Riga	D
RIC3	Riga and Lairdsville silty clay loams, 6 to 12 percent slopes, eroded	Lairdsville	D
Ro	Romulus silty clay loam	Romulus	C/D

Map Unit Symbol	Map Unit Name	Component Name	Hydrologic Soil Group
SeB	Schoharie silt loam, 2 to 6 percent slopes	Schoharie	D
ShC	Schoharie silty clay loam, 6 to 12 percent slopes	Schoharie	D
ShD	Schoharie silty clay loam, 12 to 20 percent slopes	Schoharie	D
Sk	Scriba gravelly loam	Scriba	D
Sm	Scriba very stony loam	Scriba	D
Sn	Sloan silt loam	Sloan	B/D
SoB	Sodus gravelly loam, 2 to 8 percent slopes	Sodus	D
SoC	Sodus gravelly loam, 8 to 14 percent slopes	Sodus	D
SoC3	Sodus gravelly loam, 8 to 14 percent slopes, eroded	Sodus	D
SoCK	Sodus gravelly loam, rolling	Sodus	D
SoD	Sodus gravelly loam, 14 to 20 percent slopes	Sodus	D
SoE	Sodus gravelly loam, 20 to 40 percent slopes	Sodus	D
St	Stafford fine sandy loam	Stafford	A/D
TuB	Tuller channery silt loam, 1 to 8 percent slopes	Tuller	D
Uc	Urban land-Cazenovia complex, 2 to 8 percent slopes	Urban land	
Uc	Urban land-Cazenovia complex, 2 to 8 percent slopes	Cazenovia	C
Va	Varick silt loam	Varick	D
W	Water	Water	
WaA	Wampsville gravelly silt loam, 0 to 3 percent slopes	Wampsville	B
WaB	Wampsville gravelly silt loam, 3 to 8 percent slopes	Wampsville	B
We	Warners loam	Warners	D
Wf	Warners loam, fan	Warners	D
WmA	Williamson silt loam, 0 to 2 percent slopes	Williamson	D
WmB	Williamson silt loam, 2 to 6 percent slopes	Williamson	D
WmC	Williamson silt loam, 6 to 12 percent slopes	Williamson	D
WmC3	Williamson silt loam, 6 to 12 percent slopes eroded	Williamson	D