

Hydrologic Soil Groups

Tompkins County, New York

November 2015

Map Unit Symbol	Map Unit Name	Component Name	Hydrologic Soil Group
Ab	Alluvial land	Fluvaquents	A/D
Ab	Alluvial land	Udifluvents	A
ArB	Arkport fine sandy loam, 2 to 6 percent slopes	Arkport	A
ArC	Arkport fine sandy loam, 6 to 12 percent slopes	Arkport	A
BaB	Bath channery silt loam, 2 to 5 percent slopes	Bath	C
BaC	Bath channery silt loam, 5 to 15 percent slopes	Bath	C
BaC3	Bath channery silt loam, 5 to 15 percent slopes, eroded	Bath	C
BaD	Bath channery silt loam, 15 to 25 percent slopes	Bath	C
BgC	Bath and Valois soils, 5 to 15 percent slopes	Bath	C
BgC	Bath and Valois soils, 5 to 15 percent slopes	Valois	C
BgC3	Bath and Valois soils, 5 to 15 percent slopes, eroded	Bath	C
BgC3	Bath and Valois soils, 5 to 15 percent slopes, eroded	Valois	C
BgD	Bath and Valois soils, 15 to 25 percent slopes, eroded	Bath	C
BgD	Bath and Valois soils, 15 to 25 percent slopes, eroded	Valois	C
BoE	Bath and Valois soils, 25 to 35 percent slopes	Bath	C
BoE	Bath and Valois soils, 25 to 35 percent slopes	Valois	C
BtF	Bath, Valois, and Lansing soils, 35 to 60 percent slopes	Bath	C
BtF	Bath, Valois, and Lansing soils, 35 to 60 percent slopes	Valois	C
BtF	Bath, Valois, and Lansing soils, 35 to 60 percent slopes	Lansing	B
BvA	Braceville gravelly silt loam, 0 to 5 percent slopes	Braceville	C/D
Ca	Canandaigua and Lamson soils	Canandaigua	C/D
Ca	Canandaigua and Lamson soils	Lamson	A/D
CdA	Chenango gravelly loam, 0 to 5 percent slopes	Chenango	A
CdC	Chenango gravelly loam, 5 to 15 percent slopes	Chenango	A
CdD	Chenango gravelly loam, 15 to 25 percent	Chenango	A
CfA	Conesus gravelly silt loam, 0 to 3 percent slopes	Conesus	B/D
CfB	Conesus gravelly silt loam, 3 to 8 percent slopes	Conesus	B/D
CnB	Chenango gravelly loam, fan, 0 to 8 percent slopes	Chenango	A
DgB	Darien gravelly silt loam, 2 to 8 percent slopes	Darien	C/D
Dp	Dumps	Dumps	
EbB	Erie channery silt loam, 3 to 8 percent slopes	Erie	D

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EbB3	Erie channery silt loam, 3 to 8 percent slopes, eroded	Erie	D
EbC	Erie channery silt loam, 8 to 15 percent slopes	Erie	D
EbC3	Erie channery silt loam, 8 to 15 percent slopes, eroded	Erie	D
EcA	Chippewa and Alden soils, 0 to 8 percent slopes	Chippewa	D
EcA	Chippewa and Alden soils, 0 to 8 percent slopes	Alden	C/D
Em	Eel silt loam	Eel (teel)	B/D
ErA	Erie-Chippewa channery silt loams, 0 to 3 percent slopes	Erie	D
ErA	Erie-Chippewa channery silt loams, 0 to 3 percent slopes	Chippewa	D
FdB	Fredon silt loam, 0 to 5 percent slopes	Fredon	B/D
Fm	Fresh water marsh	Saprists	A/D
Fm	Fresh water marsh	Fluvaquents	A/D
Gn	Genesee silt loam	Genesee	B
GP	Gravel pits	Gravel pits	
Ha	Halsey silt loam	Halsey	B/D
Hc	Halsey mucky silt loam	Halsey	B/D
HdA	Howard gravelly loam, 0 to 5 percent slopes	Howard	A
HdC	Howard gravelly loam, 5 to 15 percent simple slopes	Howard	A
HdCK	Howard gravelly loam, 5 to 15 percent complex slopes	Howard	A
HdD	Howard gravelly loam, 15 to 25 percent slopes	Howard	A
Hk	Holly and Papakating soils	Holly	C/D
Hk	Holly and Papakating soils	Papakating	C/D
HmB	Honeoye gravelly silt loam, 2 to 8 percent slopes	Honeoye	C
HmC	Honeoye gravelly silt loam, 8 to 15 percent slopes	Honeoye	C
HmC3	Honeoye gravelly silt loam, 8 to 15 percent slopes, eroded	Honeoye	C
HpE	Howard and Palmyra soils, 25 to 35 percent slopes	Howard	A
HpE	Howard and Palmyra soils, 25 to 35 percent slopes	Palmyra	A
HpF	Howard and Palmyra soils, 35 to 60 percent slopes	Howard	A
HpF	Howard and Palmyra soils, 35 to 60 percent slopes	Palmyra	A
HrC	Howard-Valois gravelly loams, 5 to 15 percent slopes	Howard	A
HrC	Howard-Valois gravelly loams, 5 to 15 percent slopes	Valois	C
HrD	Howard-Valois gravelly loams, 15 to 25 percent slopes	Howard	A
HrD	Howard-Valois gravelly loams, 15 to 25 percent slopes	Valois	C
HsB	Hudson silty clay loam, 2 to 6 percent slopes	Hudson	C/D
HsC3	Hudson silty clay loam, 6 to 12 percent slopes, eroded	Hudson	C/D
HsD3	Hudson silty clay loam, 12 to 20 percent slopes, eroded	Hudson	C/D
HuB	Hudson-Cayuga silt loams, 2 to 6 percent slopes	Hudson	C/D

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HuB	Hudson-Cayuga silt loams, 2 to 6 percent slopes	Cayuga	C/D
HuB3	Hudson-Cayuga silt loams, 2 to 6 percent slopes, eroded	Hudson	C/D
HuB3	Hudson-Cayuga silt loams, 2 to 6 percent slopes, eroded	Cayuga	C/D
HuC3	Hudson-Cayuga silt loams, 6 to 12 percent slopes, eroded	Hudson	C/D
HuC3	Hudson-Cayuga silt loams, 6 to 12 percent slopes, eroded	Cayuga	C/D
HuD	Hudson-Cayuga silt loams, 12 to 20 percent slopes	Hudson	C/D
HuD	Hudson-Cayuga silt loams, 12 to 20 percent slopes	Cayuga	C/D
HwB	Hudson and Collamer silt loams, 2 to 6 percent slopes	Hudson	C/D
HwB	Hudson and Collamer silt loams, 2 to 6 percent slopes	Collamer	C/D
HzE	Hudson and Dunkirk soils, 20 to 45 percent slopes	Hudson	C/D
HzE	Hudson and Dunkirk soils, 20 to 45 percent slopes	Dunkirk	C
IcA	Ilion silty clay loam, 0 to 2 percent slopes	Ilion	C/D
IcB	Ilion silty clay loam, 2 to 6 percent slopes	Ilion	C/D
KaB	Kendaia silt loam, 3 to 8 percent slopes	Kendaia	B/D
KnA	Kendaia and Lyons soils, 0 to 3 percent slopes	Kendaia	B/D
KnA	Kendaia and Lyons soils, 0 to 3 percent slopes	Lyons	C/D
KnA	Kendaia and Lyons soils, 0 to 3 percent slopes	Lyons	C/D
LaB	Langford channery silt loam, 2 to 8 percent slopes	Langford	D
LaB3	Langford channery silt loam, 3 to 8 percent slopes, eroded	Langford	D
LaC	Langford channery silt loam, 8 to 15 percent slopes	Langford	D
LaC3	Langford channery silt loam, 8 to 15 percent slopes, eroded	Langford	D
LbA	Lansing gravelly silt loam, 0 to 3 percent slopes	Lansing	B
LbB	Lansing gravelly silt loam, 3 to 8 percent slopes	Lansing	B
LbC	Lansing gravelly silt loam, 8 to 15 percent slopes	Lansing	B
LmA	Lima silt loam, 0 to 3 percent slopes	Lima	C/D
LmB	Lima silt loam, 3 to 8 percent slopes	Lima	C/D
LmB3	Lima silt loam, 3 to 8 percent slopes, eroded	Lima	C/D
LnC	Lordstown channery silt loam, 5 to 15 percent slopes	Lordstown	C
LnC3	Lordstown channery silt loam, 5 to 15 percent slopes, eroded	Lordstown	C
LnD	Lordstown channery silt loam, 15 to 25 percent slopes	Lordstown	C
LnE	Lordstown channery silt loam, 25 to 35 percent slopes	Lordstown	C
LoF	Lordstown soils, 35 to 70 percent slopes	Lordstown	C
LtB	Lordstown, Tuller, and Ovid soils, shallow and very shallow, 0 to 15 percent slopes	Lordstown	D
LtB	Lordstown, Tuller, and Ovid soils, shallow and very shallow, 0 to 15 percent slopes	Tuller	D
LtB	Lordstown, Tuller, and Ovid soils, shallow and very shallow, 0 to 15 percent slopes	Ovid	D
LtC	Lordstown, Tuller, and Ovid soils, shallow and very shallow, 15 to 35 percent slopes	Lordstown	D

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LtC	Lordstown, Tuller, and Ovid soils, shallow and very shallow, 15 to 35 percent slopes	Tuller	D
LtC	Lordstown, Tuller, and Ovid soils, shallow and very shallow, 15 to 35 percent slopes	Ovid	D
Ly	Lyons soils, 0 to 3 percent slopes	Lyons	C/D
Ly	Lyons soils, 0 to 3 percent slopes	Lyons	C/D
MaB	Mardin channery silt loam, 2 to 8 percent slopes	Mardin	D
MaC	Mardin channery silt loam, 8 to 15 percent slopes	Mardin	D
MaC3	Mardin channery silt loam, 8 to 15 percent slopes, eroded	Mardin	D
Mc	Made land	Udorthents	B
MfD	Mardin and Langford soils, 15 to 25 percent slopes	Mardin	D
MfD	Mardin and Langford soils, 15 to 25 percent slopes	Langford	D
Mm	Madalin mucky silty clay loam	Madalin	C/D
Mn	Madalin silty clay loam, 0 to 3 percent slopes	Madalin	C/D
Mo	Middlebury and Tioga silt loams	Middlebury	B/D
Mo	Middlebury and Tioga silt loams	Tioga	A
Mp	Muck and Peat	Saprists	A/D
Mp	Muck and Peat	Fibrists	A/D
NaB	Niagara silt loam, 2 to 6 percent slopes	Niagara	C/D
OaA	Ovid silt loam, 0 to 6 percent slopes	Ovid	C/D
OcC3	Ovid silty clay loam, 6 to 12 percent slopes eroded	Ovid	C/D
OrA	Ovid and Rhinebeck silt loams, moderately deep, 0 to 2 percent slopes	Ovid	C/D
OrA	Ovid and Rhinebeck silt loams, moderately deep, 0 to 2 percent slopes	Rhinebeck	D
OrB	Ovid and Rhinebeck silt loams, moderately deep, 2 to 6 percent slopes	Ovid	C/D
OrB	Ovid and Rhinebeck silt loams, moderately deep, 2 to 6 percent slopes	Rhinebeck	D
OrC	Ovid and Rhinebeck silt loams, moderately deep, 6 to 12 percent slopes	Ovid	C/D
OrC	Ovid and Rhinebeck silt loams, moderately deep, 6 to 12 percent slopes	Rhinebeck	D
PaA	Palmyra gravelly loam, 0 to 5 percent slopes	Palmyra	A
PaC	Palmyra gravelly loam, 5 to 15 percent simple slopes	Palmyra	A
PaCK	Palmyra gravelly loam, 5 to 15 percent complex slopes	Palmyra	A
PaD	Palmyra gravelly loam, 15 to 25 percent slopes	Palmyra	A
PhA	Phelps gravelly silt loam, 0 to 3 percent slopes	Phelps	B/D
PhB	Phelps gravelly silt loam, 3 to 8 percent slopes	Phelps	B/D
Qu	Quarries	Quarries	
RhA	Red Hook gravelly silt loam, 0 to 5 percent slopes	Red Hook	B/D
RkA	Rhinebeck silt loam, 0 to 2 percent slopes	Rhinebeck	C/D
RkB	Rhinebeck silt loam, 2 to 6 percent slopes	Rhinebeck	C/D
RnC3	Rhinebeck silty clay loam, 6 to 12 percent slopes, eroded	Rhinebeck	C/D

Map Unit Symbol	Map Unit Name	Component Name	Hydrologic Soil Group
Ro	Rock outcrop	Rock outcrop	
TeA	Tuller channery silt loam, 0 to 6 percent slopes	Tuller	C/D
Ua	Unsurveyed area	Unsurveyed area	
VbB	Volusia channery silt loam, 3 to 8 percent slopes	Volusia	D
VbB3	Volusia channery silt loam, 3 to 8 percent slopes, eroded	Volusia	D
VbC	Volusia channery silt loam, 8 to 15 percent slopes	Volusia	D
VbC3	Volusia channery silt loam, 8 to 15 percent slopes, eroded	Volusia	D
VoA	Volusia-Chippewa channery silt loams, 0 to 3 percent slopes	Volusia	D
VoA	Volusia-Chippewa channery silt loams, 0 to 3 percent slopes	Chippewa	D
VrD	Volusia and Erie soils, 15 to 25 percent slopes	Volusia	D
VrD	Volusia and Erie soils, 15 to 25 percent slopes	Erie	D
W	Water	Water	
WrB	Williamson very fine sandy loam, 2 to 6 percent slopes	Williamson	D
Ws	Wayland soils complex, 0 to 3 percent slopes, frequently flooded	Wayland	B/D
Ws	Wayland soils complex, 0 to 3 percent slopes, frequently flooded	Wayland	B/D