

## Hydrologic Soil Group

Hydrologic Soil Group— Summary by Map Unit — Addison County, Vermont (VT001)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AdA	Adams loamy fine sand, 0 to 5 percent slopes	A	—	—
AdB	Adams loamy fine sand, 5 to 12 percent slopes	A	—	—
AdD	Adams loamy fine sand, 12 to 30 percent slopes	A	—	—
AdE	Adams loamy fine sand, 30 to 50 percent slopes	A	—	—
AmB	Amenia stony loam, 0 to 8 percent slopes	C	—	—
AmC	Amenia stony loam, 8 to 15 percent slopes	C	—	—
AsC	Amenia extremely stony loam, 0 to 15 percent slopes	C	—	—
AsD	Amenia extremely stony loam, 15 to 25 percent slopes	C	—	—
BeA	Berkshire and Marlow stony loams, 0 to 3 percent slopes	C	—	—
BeB	Berkshire and Marlow stony loams, 3 to 12 percent slopes	C	—	—
BeC	Berkshire and Marlow stony loams, 12 to 25 percent slopes	C	—	—
BsC	Berkshire and Marlow extremely stony loams, 3 to 20 percent slopes	C	—	—
BsE	Berkshire and Marlow extremely stony loams, 20 to 50 percent slopes	C	—	—
BuC	Buckland loam, 3 to 15 percent slopes, very stony	D	—	—
BuD	Buckland loam, 15 to 25 percent slopes, very stony	D	—	—
CaB	Cabot silt loam, 0 to 8 percent slopes	D	—	—

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CbC	Cabot silt loam, 0 to 15 percent slopes, very stony	D	—	—
CIC	Calais and Glover soils, 5 to 20 percent slopes	C	—	—
CIE	Calais and Glover soils, 20 to 50 percent slopes	C	—	—
Cn	Canandaigua silt loam	C/D	—	—
Co	Cobbly alluvial land		—	—
CtA	Colton gravelly sandy loam, 0 to 5 percent slopes	A	—	—
CtB	Colton gravelly sandy loam, 5 to 12 percent slopes	A	—	—
CtD	Colton gravelly sandy loam, 12 to 30 percent slopes	A	—	—
CtE	Colton gravelly sandy loam, 30 to 50 percent slopes	A	—	—
Cv	Covington silty clay, flooded	D	—	—
Cw	Covington and Panton silty clays	D	—	—
DaA	Duane fine sandy loam, 0 to 5 percent slopes	A/D	—	—
DaB	Duane fine sandy loam, 5 to 12 percent slopes	A/D	—	—
DcB	Dutchess stony loam, 3 to 8 percent slopes	B	—	—
DcC	Dutchess stony loam, 8 to 15 percent slopes	B	—	—
DcD	Dutchess stony loam, 15 to 25 percent slopes	B	—	—
DsC	Dutchess extremely stony loam, 3 to 15 percent slopes	B	—	—
DsE	Dutchess extremely stony loam, 15 to 50 percent slopes	B	—	—
EIB	Elmwood fine sandy loam, coarse variant, 0 to 8 percent slopes	C/D	—	—
EIC	Elmwood fine sandy loam, coarse variant, 8 to 15 percent slopes	C/D	—	—

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FaC	Farmington extremely rocky silt loam, 5 to 20 percent slopes	D	—	—
FaE	Farmington extremely rocky silt loam, 20 to 50 percent slopes	D	—	—
FdB	Farmington stony silt loam, moderately deep variant, 3 to 8 percent slopes	C	—	—
FdC	Farmington stony silt loam, moderately deep variant, 8 to 15 percent slopes	C	—	—
FdD	Farmington stony silt loam, moderately deep variant, 15 to 25 percent slopes	C	—	—
FdE	Farmington stony silt loam, moderately deep variant, 25 to 50 percent slopes	C	—	—
FnB	Farmington-Nellis rocky complex, 5 to 12 percent slopes	D	—	—
FnC	Farmington-Nellis rocky complex, 12 to 20 percent slopes	D	—	—
FnD	Farmington-Nellis rocky complex, 20 to 30 percent slopes	D	—	—
Fw	Fresh water marsh		—	—
Gp	Gravel pits		—	—
Hf	Hadley very fine sandy loam	B	—	—
Hh	Hadley very fine sandy loam, frequently flooded	B	—	—
Le	Limerick silt loam	B/D	—	—
Lf	Limerick silt loam, very wet	B/D	—	—
Lh	Livingston clay	C/D	—	—
Lk	Livingston clay, flooded	C/D	—	—
LmB	Lyman-Berkshire rocky complex, 5 to 12 percent slopes	D	—	—
LmC	Lyman-Berkshire rocky complex, 12 to 20 percent slopes	D	—	—

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LxC	Lyman-Berkshire very rocky complex, 5 to 20 percent slopes	D	—	—
LxE	Lyman-Berkshire very rocky complex, 20 to 50 percent slopes	D	—	—
MaA	Massena stony silt loam, 0 to 3 percent slopes	C/D	—	—
MnB	Massena extremely stony silt loam, 0 to 8 percent slopes	C/D	—	—
MrA	Melrose fine sandy loam, 0 to 3 percent slopes	C	—	—
MrB	Melrose fine sandy loam, 3 to 8 percent slopes	C	—	—
MrC	Melrose fine sandy loam, 8 to 15 percent slopes	C	—	—
MrD	Melrose fine sandy loam, 15 to 25 percent slopes	C	—	—
MrE	Melrose fine sandy loam, 25 to 50 percent slopes	C	—	—
Mv	Muck and Peat	A/D	—	—
NaB	Nassau-Dutchess rocky complex, 3 to 8 percent slopes	D	—	—
NaC	Nassau-Dutchess rocky complex, 8 to 15 percent slopes	D	—	—
NaD	Nassau-Dutchess rocky complex, 15 to 25 percent slopes	D	—	—
NdC	Nassau extremely rocky silt loam, 3 to 25 percent slopes	D	—	—
NeB	Nellis stony loam, 3 to 8 percent slopes	B	—	—
NeC	Nellis stony loam, 8 to 15 percent slopes	B	—	—
NeD	Nellis stony loam, 15 to 25 percent slopes	B	—	—
NsC	Nellis extremely stony loam, 3 to 15 percent slopes	B	—	—
NsD	Nellis extremely stony loam, 15 to 50 percent slopes	B	—	—
PeA	Peru fine sandy loam, 0 to 5 percent slopes	C/D	—	—

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PeB	Peru fine sandy loam, 5 to 12 percent slopes	C/D	—	—
PeC	Peru fine sandy loam, 12 to 20 percent slopes	C/D	—	—
PsC	Peru fine sandy loam, 0 to 20 percent slopes, very stony	D	—	—
PsD	Peru fine sandy loam, 20 to 60 percent slopes, very stony	D	—	—
Qu	Quarry		—	—
RaB	Raynham silt loam, 0 to 6 percent slopes	C/D	—	—
RaC	Raynham silt loam, 6 to 12 percent slopes	C/D	—	—
RaD	Raynham silt loam, 12 to 25 percent slopes	C/D	—	—
Rk	Rock land		—	—
RL	Rubble land		—	—
SaB	Salmon very fine sandy loam, 2 to 6 percent slopes	B	—	—
SaC	Salmon very fine sandy loam, 6 to 12 percent slopes	B	—	—
SaE	Salmon very fine sandy loam, 12 to 50 percent slopes	B	—	—
StA	Stetson gravelly fine sandy loam, 0 to 5 percent slopes	A	—	—
StB	Stetson gravelly fine sandy loam, 5 to 12 percent slopes	A	—	—
StD	Stetson gravelly fine sandy loam, 12 to 30 percent slopes	A	—	—
StE	Stetson gravelly fine sandy loam, 30 to 50 percent slopes	A	—	—
Sw	Swanton fine sandy loam	C/D	—	—
VgB	Vergennes clay, 2 to 6 percent slopes	D	—	—
VgC	Vergennes clay, 6 to 12 percent slopes	D	—	—
VgD	Vergennes clay, 12 to 25 percent slopes	D	—	—

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VgE	Vergennes clay, 25 to 50 percent slopes	D	—	—
VrB	Vergennes rocky clay, moderately shallow variant, 2 to 6 percent slopes	D	—	—
VrC	Vergennes rocky clay, moderately shallow variant, 6 to 12 percent slopes	D	—	—
VrD	Vergennes rocky clay, moderately shallow variant, 12 to 25 percent slopes	D	—	—
W	Water		—	—
Wa	Walpole silt loam	A/D	—	—
Wo	Winooski very fine sandy loam	C	—	—
<b>Totals for Area of Interest</b>			<b>516,939.0</b>	<b>100.0%</b>

## Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher