Hydrologic Soil Group

Hydrologic Soil Group— Summary by Map Unit — Franklin County, Vermont (VT011)				
Map unit symbol	**Map unit name**	**Rating**	**Acres in AOI**	**Percent of AOI**
AuA	Au Gres loamy fine sand, 0 to 6 percent slopes	A/D	—	—
BeB	Belgrade silt loam, 2 to 8 percent slopes	B/D	—	—
BeC	Belgrade silt loam, 8 to 15 percent slopes	B/D	—	—
Bg	Binghamville silt loam	C/D	—	—
Br	Birdsall silt loam	C/D	—	—
BxC	Buxton silt loam, 8 to 15 percent slopes	D	—	—
BxD	Buxton silt loam, 15 to 25 percent slopes	D	—	—
BxE	Buxton silt loam, 25 to 45 percent slopes	D	—	—
CaA	Cabot silt loam, 0 to 3 percent slopes	D	—	—
CaB	Cabot silt loam, 3 to 8 percent slopes	D	—	—
CbA	Cabot silt loam, 0 to 3 percent slopes, very stony	D	—	—
CbB	Cabot silt loam, 3 to 15 percent slopes, very stony	D	—	—
Ce	Carlisle muck	A/D	—	—
CoB	Colton gravelly loamy sand, 2 to 8 percent slopes	A	—	—
CoC	Colton gravelly loamy sand, 8 to 15 percent slopes	A	—	—
CoD	Colton gravelly loamy sand, 15 to 25 percent slopes	A	—	—
CoE	Colton gravelly loamy sand, 25 to 60 percent slopes	A	—	—
CpB	Copake fine sandy loam, 2 to 8 percent slopes	A	—	—
Cv	Covington clay	D	—	—
DeB	Deerfield loamy fine sand, 0 to 8 percent slopes	A	—	—

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DeC	Deerfield loamy fine sand, 8 to 15 percent slopes	A	—	—
EdA	Eldridge loamy fine sand, 0 to 3 percent slopes	C/D	—	—
EdB	Eldridge loamy fine sand, 3 to 8 percent slopes	C/D	—	—
EdC	Eldridge loamy fine sand, 8 to 15 percent slopes	C/D	—	—
EnA	Enosburg loamy fine sand, 0 to 3 percent slopes	C/D	—	—
EnB	Enosburg loamy fine sand, 3 to 8 percent slopes	C/D	—	—
FaB	Farmington loam, very rocky, 3 to 8 percent slopes	D	—	—
FaC	Farmington loam, very rocky, 8 to 15 percent slopes	D	—	—
FmC	Farmington-Rock outcrop complex, 6 to 15 percent slopes	D	—	—
FmD	Farmington-Rock outcrop complex, 15 to 60 percent slopes	D	—	—
GeA	Georgia stony loam, 0 to 3 percent slopes	C	—	—
GeB	Georgia stony loam, 3 to 8 percent slopes	C	—	—
GeC	Georgia stony loam, 8 to 15 percent slopes	C	—	—
GrB	Georgia extremely stony loam, 0 to 8 percent slopes	C	—	—
GrC	Georgia extremely stony loam, 8 to 15 percent slopes	C	—	—
Ha	Hadley silt loam	B	—	—
HbA	Hinesburg loamy fine sand, 0 to 3 percent slopes	A	—	—
HbB	Hinesburg loamy fine sand, 3 to 8 percent slopes	A	—	—
HbC	Hinesburg loamy fine sand, 8 to 15 percent slopes	A	—	—

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HbD	Hinesburg loamy fine sand, 15 to 25 percent slopes	A	—	—
HbE	Hinesburg loamy fine sand, 25 to 60 percent slopes	A	—	—
KbA	Kingsbury clay, 0 to 3 percent slopes	D	—	—
KbB	Kingsbury clay, 3 to 8 percent slopes	D	—	—
Le	Limerick silt loam	B/D	—	—
LoB	Lordstown loam, rocky, 3 to 8 percent slopes	C	—	—
LoC	Lordstown loam, rocky, 8 to 15 percent slopes	C	—	—
LoD	Lordstown loam, rocky, 15 to 25 percent slopes	C	—	—
LrC	Lordstown-Rock outcrop complex, 5 to 15 percent slopes	C	—	—
LrD	Lordstown-Rock outcrop complex, 15 to 25 percent slopes	C	—	—
LrE	Lordstown-Rock outcrop complex, 25 to 60 percent slopes	C	—	—
Ly	Lyons stony loam	C/D	—	—
Ma	Marsh		—	—
MeA	Massena stony loam, 0 to 3 percent slopes	C/D	—	—
MeB	Massena stony loam, 3 to 8 percent slopes	C/D	—	—
MnA	Massena extremely stony loam, 0 to 6 percent slopes	C/D	—	—
MsA	Missisquoi loamy sand, 0 to 3 percent slopes	A	—	—
MsB	Missisquoi loamy sand, 3 to 8 percent slopes	A	—	—
MsC	Missisquoi loamy sand, 8 to 15 percent slopes	A	—	—
MsD	Missisquoi loamy sand, 15 to 25 percent slopes	A	—	—
MsE	Missisquoi loamy sand, 25 to 60 percent slopes	A	—	—

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MuB	Munson silt loam, 3 to 8 percent slopes	C/D	—	—
MuC	Munson silt loam, 8 to 15 percent slopes	C/D	—	—
Od	Ondawa variant silt loam	B	—	—
Pa	Peacham mucky peat, 0 to 8 percent slopes, very stony	D	—	—
PeB	Peru fine sandy loam, 3 to 8 percent slopes	C/D	—	—
PeC	Peru fine sandy loam, 8 to 15 percent slopes	C/D	—	—
PeD	Peru fine sandy loam, 15 to 25 percent slopes	C/D	—	—
PrC	Peru fine sandy loam, 3 to 15 percent slopes, very stony	D	—	—
PrD	Peru fine sandy loam, 15 to 25 percent slopes, very stony	D	—	—
Pu	Podunk variant silt loam	C	—	—
RaB	Raynham silt loam, 3 to 8 percent slopes	C/D	—	—
RoE	Rock outcrop-Woodstock complex, 20 to 60 percent slopes		—	—
Ru	Rumney variant silt loam	B/D	—	—
SaA	St. Albans slaty loam, 0 to 3 percent slopes	A	—	—
SaB	St. Albans slaty loam, 3 to 8 percent slopes	A	—	—
SaC	St. Albans slaty loam, 8 to 15 percent slopes	A	—	—
SbB	St. Albans very stony loam, 2 to 8 percent slopes	A	—	—
SbC	St. Albans very stony loam, 8 to 15 percent slopes	A	—	—
SbD	St. Albans very stony loam, 15 to 25 percent slopes	A	—	—
SbE	St. Albans very stony loam, 25 to 60 percent slopes	A	—	—
ScA	Scantic silt loam, 0 to 3 percent slopes	C/D	—	—

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Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
ScB	Scantic silt loam, 3 to 8 percent slopes	C/D	—	—
StB	Stowe stony fine sandy loam, 3 to 8 percent slopes	C	—	—
StC	Stowe stony fine sandy loam, 8 to 15 percent slopes	C	—	—
StD	Stowe stony fine sandy loam, 15 to 25 percent slopes	C	—	—
SwC	Stowe extremely stony fine sandy loam, 5 to 15 percent slopes	C	—	—
SwD	Stowe extremely stony fine sandy loam, 15 to 25 percent slopes	C	—	—
SyE	Stowe stony soils, 25 to 60 percent slopes	C	—	—
Tm	Terric Medisaprists	B/D	—	—
TwB	Tunbridge-Woodstock fine sandy loams, very rocky, 3 to 8 percent slopes	C	—	—
TwC	Tunbridge-Woodstock fine sandy loams, very rocky, 8 to 15 percent slopes	C	—	—
TwD	Tunbridge-Woodstock fine sandy loams, very rocky, 15 to 25 percent slopes	C	—	—
W	Water		—	—
Wa	Wallkill silt loam	B/D	—	—
Wh	Wareham loamy fine sand	A/D	—	—
WrA	Westbury stony fine sandy loam, 0 to 3 percent slopes	D	—	—
WrB	Westbury stony fine sandy loam, 3 to 8 percent slopes	D	—	—
WrC	Westbury stony fine sandy loam, 8 to 15 percent slopes	D	—	—
WsA	Windsor loamy fine sand, 0 to 3 percent slopes	A	—	—
WsB	Windsor loamy fine sand, 3 to 8 percent slopes	A	—	—

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WsC	Windsor loamy fine sand, 8 to 15 percent slopes	A	—	—
WsD	Windsor loamy fine sand, 15 to 25 percent slopes	A	—	—
WsE	Windsor loamy fine sand, 25 to 60 percent slopes	A	—	—
Wt	Winooski silt loam	C	—	—
WxC	Woodstock-Rock outcrop complex, 8 to 15 percent slopes	D	—	—
WxD	Woodstock-Rock outcrop complex, 15 to 25 percent slopes	D	—	—
WxE	Woodstock-Rock outcrop complex, 25 to 60 percent slopes		—	—
Totals for Area of Interest			**440,776.4**	**100.0%**

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