

Hydrologic Soil Group

| Hydrologic Soil Group— Summary by Map Unit — Rutland County, Vermont (VT021) | | | | |
|--|--|--------|--------------|----------------|
| Map unit symbol | Map unit name | Rating | Acres in AOI | Percent of AOI |
| 1B | Marlow fine sandy loam, 3 to 8 percent slopes | C | — | — |
| 1C | Marlow fine sandy loam, 8 to 15 percent slopes | C | — | — |
| 1D | Marlow fine sandy loam, 15 to 25 percent slopes | C | — | — |
| 2C | Marlow fine sandy loam, 8 to 15 percent slopes, very stony | C | — | — |
| 2D | Marlow fine sandy loam, 15 to 35 percent slopes, very stony | C | — | — |
| 2E | Marlow fine sandy loam, 35 to 60 percent slopes, very stony | C | — | — |
| 3B | Peru fine sandy loam, 3 to 8 percent slopes | C/D | — | — |
| 3C | Peru fine sandy loam, 8 to 15 percent slopes | C/D | — | — |
| 4B | Peru fine sandy loam, 0 to 8 percent slopes, very stony | D | — | — |
| 4C | Peru fine sandy loam, 8 to 15 percent slopes, very stony | D | — | — |
| 4D | Peru fine sandy loam, 15 to 25 percent slopes, very stony | D | — | — |
| 6A | Cabot silt loam, 0 to 8 percent slopes, very stony | D | — | — |
| 7C | Brayton loam, 8 to 15 percent slopes, very stony | D | — | — |
| 9 | Pits-Dumps complex | | — | — |
| 11C | Taconic-Hubbardton complex, 8 to 25 percent slopes, very rocky | D | — | — |
| 12F | Taconic-Hubbardton-Macomber complex, 25 to 80 percent slopes, very rocky | D | — | — |

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| 13B | Hinckley gravelly loamy fine sand, 0 to 8 percent slopes | A | — | — |
| 13C | Hinckley gravelly loamy fine sand, 8 to 15 percent slopes | A | — | — |
| 13D | Hinckley gravelly loamy fine sand, 15 to 25 percent slopes | A | — | — |
| 13E | Hinckley gravelly loamy fine sand, 25 to 40 percent slopes | A | — | — |
| 14A | Sudbury fine sandy loam, 0 to 3 percent slopes | B | — | — |
| 14B | Sudbury fine sandy loam, 3 to 8 percent slopes | B | — | — |
| 15A | Walpole sandy loam, 0 to 3 percent slopes | B/D | — | — |
| 18B | Windsor loamy sand, 3 to 8 percent slopes | A | — | — |
| 18C | Windsor loamy sand, 8 to 15 percent slopes | A | — | — |
| 18D | Windsor loamy sand, 15 to 25 percent slopes | A | — | — |
| 18E | Windsor loamy sand, 25 to 60 percent slopes | A | — | — |
| 21 | Rippowam fine sandy loam | A/D | — | — |
| 22 | Saco mucky silt loam | B/D | — | — |
| 23 | Adrian muck | A/D | — | — |
| 24 | Pinnebog muck | A/D | — | — |
| 25A | Belgrade silt loam, 0 to 3 percent slopes | B/D | — | — |
| 25B | Belgrade silt loam, 3 to 8 percent slopes | B/D | — | — |
| 25C | Belgrade silt loam, 8 to 15 percent slopes | B/D | — | — |
| 26A | Raynham silt loam, 0 to 4 percent slopes | C/D | — | — |
| 28 | Udfluvents and Fluvaquents, nearly level | A | — | — |
| 29 | Histosols and Aquents, ponded | B/D | — | — |
| 30B | Paxton fine sandy loam, 2 to 8 percent slopes | C | — | — |

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| 30C | Paxton fine sandy loam, 8 to 15 percent slopes | C | — | — |
| 30D | Paxton fine sandy loam, 15 to 25 percent slopes | C | — | — |
| 31B | Paxton fine sandy loam, 2 to 8 percent slopes, very stony | C | — | — |
| 31C | Paxton fine sandy loam, 8 to 15 percent slopes, very stony | C | — | — |
| 31D | Paxton fine sandy loam, 15 to 25 percent slopes, very stony | C | — | — |
| 31E | Paxton fine sandy loam, 25 to 35 percent slopes, very stony | C | — | — |
| 38A | Tisbury silt loam, 0 to 3 percent slopes | C | — | — |
| 39B | Galway-Nellis-Farmington complex, 3 to 8 percent slopes | C | — | — |
| 40C | Galway-Nellis-Farmington complex, 8 to 15 percent slopes, rocky | C | — | — |
| 40D | Galway-Nellis-Farmington complex, 15 to 25 percent slopes, rocky | C | — | — |
| 41C | Farmington-Galway-Galoo complex, 5 to 25 percent slopes, very rocky | D | — | — |
| 41E | Farmington-Galway-Galoo complex, 25 to 50 percent slopes, very rocky | D | — | — |
| 42C | Macomber-Taconic complex, 8 to 15 percent slopes, rocky | C | — | — |
| 42D | Macomber-Taconic complex, 15 to 25 percent slopes, rocky | C | — | — |
| 42F | Macomber-Taconic complex, 25 to 80 percent slopes, rocky | C | — | — |
| 43C | Taconic-Macomber complex, 8 to 25 percent slopes, very rocky | D | — | — |

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| 44B | Dutchess silt loam, 3 to 8 percent slopes | B | — | — |
| 44C | Dutchess silt loam, 8 to 15 percent slopes | B | — | — |
| 44D | Dutchess silt loam, 15 to 25 percent slopes | B | — | — |
| 47B | Dutchess silt loam, 3 to 8 percent slopes, very stony | B | — | — |
| 47C | Dutchess silt loam, 8 to 15 percent slopes, very stony | B | — | — |
| 47D | Dutchess silt loam, 15 to 25 percent slopes, very stony | B | — | — |
| 47E | Dutchess silt loam, 25 to 60 percent slopes, very stony | B | — | — |
| 50A | Massena silt loam, 0 to 8 percent slopes | C/D | — | — |
| 52B | Macomber-Dutchess complex, 3 to 8 percent slopes | C | — | — |
| 53 | Elvers silt loam | B/D | — | — |
| 54A | Ninigret fine sandy loam, 0 to 3 percent slopes | C | — | — |
| 56B | Colton-Duxbury complex, 2 to 8 percent slopes, very stony | A | — | — |
| 56C | Colton-Duxbury complex, 8 to 15 percent slopes, very stony | A | — | — |
| 56D | Colton-Duxbury complex, 15 to 25 percent slopes, very stony | A | — | — |
| 56E | Colton-Duxbury complex, 25 to 50 percent slopes, very stony | A | — | — |
| 57B | Duxbury-Colton complex, 2 to 8 percent slopes | A | — | — |
| 58C | Colton-Duxbury complex, 8 to 15 percent slopes | A | — | — |
| 58D | Colton-Duxbury complex, 15 to 25 percent slopes | A | — | — |

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| Map unit symbol | Map unit name | Rating | Acres in AOI | Percent of AOI |
| 59A | Deerfield loamy sand, 0 to 4 percent slopes | A | — | — |
| 61A | Eldridge fine sandy loam, 0 to 3 percent slopes | C/D | — | — |
| 61B | Eldridge fine sandy loam, 3 to 8 percent slopes | C/D | — | — |
| 62 | Enosburg loamy fine sand | C/D | — | — |
| 64B | Stockbridge gravelly silt loam, 3 to 8 percent slopes | C | — | — |
| 64C | Stockbridge gravelly silt loam, 8 to 15 percent slopes | C | — | — |
| 64D | Stockbridge gravelly silt loam, 15 to 25 percent slopes | C | — | — |
| 65B | Stockbridge gravelly silt loam, 3 to 8 percent slopes, very stony | C | — | — |
| 65C | Stockbridge gravelly silt loam, 8 to 15 percent slopes, very stony | C | — | — |
| 65D | Stockbridge gravelly silt loam, 15 to 25 percent slopes, very stony | C | — | — |
| 65E | Stockbridge gravelly silt loam, 25 to 45 percent slopes, very stony | C | — | — |
| 66B | Georgia and Amenia soils, 3 to 8 percent slopes | C | — | — |
| 66C | Georgia and Amenia soils, 8 to 15 percent slopes | C | — | — |
| 67B | Georgia and Amenia soils, 3 to 8 percent slopes, very stony | C | — | — |
| 67C | Georgia and Amenia soils, 8 to 15 percent slopes, very stony | C | — | — |
| 67D | Georgia and Amenia soils, 15 to 25 percent slopes, very stony | C | — | — |
| 68A | Massena silt loam, 0 to 8 percent slopes, very stony | C/D | — | — |
| 71A | Castile gravelly fine sandy loam, 0 to 3 percent slopes | A/D | — | — |

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| 72A | Fredon gravelly loam, 0 to 3 percent slopes | B/D | — | — |
| 73 | Scarboro muck, 0 to 3 percent slopes | A/D | — | — |
| 80A | Kingsbury silty clay loam, 0 to 3 percent slopes | D | — | — |
| 80B | Kingsbury silty clay loam, 3 to 8 percent slopes | D | — | — |
| 81 | Livingston silty clay loam | C/D | — | — |
| 82B | Vergennes clay, 3 to 8 percent slopes | D | — | — |
| 82C | Vergennes clay, 8 to 15 percent slopes | D | — | — |
| 82D | Vergennes clay, 15 to 25 percent slopes | D | — | — |
| 82E | Vergennes clay, 25 to 50 percent slopes | D | — | — |
| 86 | Linwood muck | B/D | — | — |
| 88 | Birdsall muck | C/D | — | — |
| 90B | Hartland silt loam, 3 to 8 percent slopes | B | — | — |
| 90C | Hartland silt loam, 8 to 15 percent slopes | B | — | — |
| 90D | Hartland silt loam, 15 to 25 percent slopes | B | — | — |
| 95 | Udorthents loamy | A | — | — |
| 96 | Udipsamments, nearly level | A | — | — |
| 97A | Warwick-Quonset complex, 0 to 3 percent slopes | A | — | — |
| 97B | Warwick-Quonset complex, 3 to 8 percent slopes | A | — | — |
| 97C | Warwick-Quonset complex, 8 to 15 percent slopes | A | — | — |
| 97D | Warwick-Quonset complex, 15 to 25 percent slopes | A | — | — |
| 98E | Quonset-Warwick complex, 25 to 45 percent slopes | A | — | — |
| 99B | Copake gravelly fine sandy loam, 2 to 8 percent slopes | A | — | — |
| 104B | Groton gravelly loam, 2 to 8 percent slopes | A | — | — |

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| 105 | Tioga fine sandy loam | B | — | — |
| 106 | Middlebury loam | B/D | — | — |
| 108 | Hamlin silt loam | B | — | — |
| 109 | Teel silt loam, sandy substratum | B/D | — | — |
| 110 | Limerick silt loam | B/D | — | — |
| 111 | Livingston silty clay loam, frequently flooded | C/D | — | — |
| 118C | Adams loamy fine sand, 8 to 15 percent slopes | A | — | — |
| 122B | Lyme fine sandy loam, 2 to 8 percent slopes, very stony | B/D | — | — |
| 122C | Lyme fine sandy loam, 8 to 15 percent slopes, very stony | B/D | — | — |
| 123B | Sheepscot fine sandy loam, 2 to 8 percent slopes | B | — | — |
| 123C | Sheepscot fine sandy loam, 8 to 15 percent slopes | B | — | — |
| 124B | Sunapee fine sandy loam, 3 to 8 percent slopes, very stony | C | — | — |
| 124C | Sunapee fine sandy loam, 8 to 15 percent slopes, very stony | C | — | — |
| 124D | Sunapee fine sandy loam, 15 to 35 percent slopes, very stony | C | — | — |
| 124E | Sunapee fine sandy loam, 35 to 50 percent slopes, very stony | C | — | — |
| 125B | Berkshire gravelly fine sandy loam, 3 to 8 percent slopes, very stony | B | — | — |
| 125C | Berkshire gravelly fine sandy loam, 8 to 15 percent slopes, very stony | B | — | — |
| 125D | Berkshire gravelly fine sandy loam, 15 to 35 percent slopes, very stony | B | — | — |

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| 125E | Berkshire gravelly fine sandy loam, 35 to 50 percent slopes, very stony | B | — | — |
| 127C | Houghtonville gravelly fine sandy loam, 8 to 15 percent slopes, very stony | B | — | — |
| 127D | Houghtonville gravelly fine sandy loam, 15 to 35 percent slopes, very stony | B | — | — |
| 127E | Houghtonville gravelly fine sandy loam, 35 to 60 percent slopes, very stony | B | — | — |
| 128C | Rawsonville-Houghtonville complex, 8 to 15 percent slopes, rocky | C | — | — |
| 128D | Rawsonville-Houghtonville complex, 15 to 35 percent slopes, rocky | C | — | — |
| 128E | Rawsonville-Houghtonville complex, 35 to 60 percent slopes, rocky | C | — | — |
| 129D | Killington-Rawsonville complex, 15 to 35 percent slopes, very rocky | D | — | — |
| 129F | Killington-Rawsonville complex, 35 to 70 percent slopes, very rocky | D | — | — |
| 130B | Tunbridge-Berkshire complex, 3 to 8 percent slopes, rocky | C | — | — |
| 130C | Tunbridge-Berkshire complex, 8 to 15 percent slopes, rocky | C | — | — |
| 130D | Tunbridge-Berkshire complex, 15 to 35 percent slopes, rocky | C | — | — |
| 130E | Tunbridge-Berkshire complex, 35 to 60 percent slopes, rocky | C | — | — |
| 131D | Lyman-Tunbridge-Rock outcrop complex, 15 to 35 percent slopes | D | — | — |

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| 131E | Lyman-Tunbridge-Rock outcrop complex, 35 to 60 percent slopes | D | — | — |
| 132C | Glebe-Stratton complex, 8 to 25 percent slopes, very stony | B | — | — |
| 132E | Glebe-Stratton complex, 25 to 60 percent slopes, very stony | B | — | — |
| 134F | Stratton-Londonderry-Ricker complex, 15 to 80 percent slopes, very rocky | D | — | — |
| 135D | Mundal loam, 15 to 35 percent slopes, very stony | C | — | — |
| 135E | Mundal loam, 35 to 60 percent slopes, very stony | C | — | — |
| 138C | Berkshire gravelly fine sandy loam, 8 to 15 percent slopes | B | — | — |
| 139B | Sunapee fine sandy loam, 3 to 8 percent slopes | C | — | — |
| 139C | Sunapee fine sandy loam, 8 to 15 percent slopes | C | — | — |
| 140C | Benson very channery loam, 3 to 15 percent slopes | D | — | — |
| 140D | Benson very channery loam, 15 to 25 percent slopes | D | — | — |
| 140E | Benson very channery loam, 25 to 50 percent slopes | D | — | — |
| 148B | Bomoseen and Pittstown soils, 2 to 8 percent slopes | C/D | — | — |
| 148C | Bomoseen and Pittstown soils, 8 to 15 percent slopes | C/D | — | — |
| 148D | Bomoseen and Pittstown soils, 15 to 25 percent slopes | C/D | — | — |
| 149B | Bomoseen and Pittstown soils, 3 to 8 percent slopes, very stony | C/D | — | — |
| 149C | Bomoseen and Pittstown soils, 8 to 15 percent slopes, very stony | C/D | — | — |

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| 149D | Bomoseen and Pittstown soils, 15 to 25 percent slopes, very stony | C/D | — | — |
| 149E | Bomoseen and Pittstown soils, 25 to 40 percent slopes, very stony | C/D | — | — |
| 150A | Peacham mucky peat, 0 to 3 percent slopes | D | — | — |
| 152 | Lyons silt loam | C/D | — | — |
| 161A | Elmridge sandy loam, 0 to 3 percent slopes | B | — | — |
| 161B | Elmridge sandy loam, 3 to 8 percent slopes | B | — | — |
| 163 | Canandaigua silt loam | C/D | — | — |
| 175 | Wappinger silt loam | B | — | — |
| 177 | Pawling silt loam | B/D | — | — |
| 202E | Rawsonville-Killington association, very hilly, very rocky | D | — | — |
| 203D | Peru-Marlow association, hilly, very stony | D | — | — |
| 205D | Tunbridge-Berkshire-Marlow association, hilly, rocky | C | — | — |
| 213E | Glebe-Stratton association, very hilly, very rocky | B | — | — |
| 221F | Tunbridge-Berkshire association, very steep, very stony | C | — | — |
| 402D | Tunbridge-Lyman association, hilly, rocky | C | — | — |
| 403C | Brayton-Cabot-Pinnebog association, rolling, very stony | D | — | — |
| 405D | Tunbridge-Berkshire association, hilly, very rocky | C | — | — |
| 505D | Berkshire-Colton association, hilly, stony | B | — | — |
| 702F | Killington-Ricker-Rock outcrop association, very steep, very stony | D | — | — |
| 703D | Mundal-Cabot association, hilly, very stony | D | — | — |

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| 705D | Rawsonville-Houghtonville association, hilly, rocky | C | — | — |
| W | Water | | — | — |
| Totals for Area of Interest | | | 604,394.1 | 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