

**ESSEX COUNTY SOIL SUITABILITY GROUPS FOR ON-SITE SEWAGE DISPOSAL - 2011**  
**NATURAL RESOURCES CONSERVATION SERVICE**  
**CURRENT REVISION - NOVEMBER 2011**

Ratings are based on Vermont Environmental Protection Rules, September 29, 2007.  
 Based on 20% maximum slope - for lots created on or after JUNE 14, 2002.

Sorted by MUSYM - map unit symbol.

MUSYM	Map Unit Name	VT On-site Septic Group
3A	CHARLES SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED	IVa
6A	ADAMS LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	Ia
6B	ADAMS LOAMY FINE SAND, 3 TO 8 PERCENT SLOPES	Ia
6C	ADAMS LOAMY FINE SAND, 8 TO 15 PERCENT SLOPES	Ia
6D	ADAMS LOAMY FINE SAND, 15 TO 25 PERCENT SLOPES	Ib
6E	ADAMS LOAMY FINE SAND, 25 TO 60 PERCENT SLOPES	Ile
8B	NICHOLVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	IIh
11A	SHEEPSCOT GRAVELLY FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	IIh
11B	SHEEPSCOT GRAVELLY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	IIh
14B	VERSHIRE-LOMBARD COMPLEX, 3 TO 8 PERCENT SLOPES, ROCKY	Ilc
14C	VERSHIRE-LOMBARD COMPLEX, 8 TO 15 PERCENT SLOPES, ROCKY	Ilc
14D	VERSHIRE-LOMBARD COMPLEX, 15 TO 25 PERCENT SLOPES, ROCKY	IId
20B	BUCKLAND VERY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	IIIc
20C	BUCKLAND VERY FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	IIId
20D	BUCKLAND VERY FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	IIIe
21B	BUCKLAND VERY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	IIIc
21C	BUCKLAND VERY FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	IIId
21D	BUCKLAND VERY FINE SANDY LOAM, 15 TO 35 PERCENT SLOPES, VERY STONY	IIIe
25A	KINSMAN SAND, 0 TO 3 PERCENT SLOPES	IVa
30A	ONDAWA FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	Ilg
31A	PODUNK FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	IIIb
32A	COLTON-DUXBURY COMPLEX, 0 TO 3 PERCENT SLOPES	Ia
32B	COLTON-DUXBURY COMPLEX, 3 TO 8 PERCENT SLOPES	Ia
32C	COLTON-DUXBURY COMPLEX, 8 TO 15 PERCENT SLOPES	Ia
32D	COLTON-DUXBURY COMPLEX, 15 TO 25 PERCENT SLOPES	Ib
32E	COLTON-DUXBURY COMPLEX, 25 TO 60 PERCENT SLOPES	Ile
38A	CROGHAN LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	IIh
38B	CROGHAN LOAMY FINE SAND, 3 TO 8 PERCENT SLOPES	IIh
56C	VERSHIRE-GLOVER COMPLEX, 8 TO 15 PERCENT SLOPES, VERY ROCKY	Ilc
56D	VERSHIRE-GLOVER COMPLEX, 15 TO 35 PERCENT SLOPES, VERY ROCKY	IId
56E	VERSHIRE-GLOVER COMPLEX, 35 TO 60 PERCENT SLOPES, VERY ROCKY	IVb
100	PITS, SAND AND PITS, GRAVEL	V
104B	URBAN LAND-ADAMS-NICHOLVILLE COMPLEX, 0 TO 8 PERCENT SLOPES	V
214B	VERSHIRE-LOMBARD COMPLEX, 3 TO 8 PERCENT SLOPES, VERY STONY	Ilc
214C	VERSHIRE-LOMBARD COMPLEX, 8 TO 15 PERCENT SLOPES, VERY STONY	Ilc

214D	VERSHIRE-LOMBARD COMPLEX, 15 TO 35 PERCENT SLOPES, VERY STONY	IIId
SIE8	WONSQUEAK, PONDICHERRY, AND BUCKSPORT MUCKS, 0 TO 2 PERCENT SLOPES	IVa
SIE11	CABOT SILT LOAM, 0 TO 8 PERCENT SLOPES, VERY STONY	IVa
SIE11N	CABOT SILT LOAM, 3 TO 8 PERCENT SLOPES	IVa
SIE12	CABOT-COLONEL COMPLEX, 8 TO 15 PERCENT SLOPES, VERY STONY	IIIId
SIE12N	CABOT-COLONEL COMPLEX, 8 TO 15 PERCENT SLOPES	IIIId
SIE21	WILMINGTON-COLONEL COMPLEX, 0 TO 8 PERCENT SLOPES, VERY STONY	IVa
SIE21N	WILMINGTON-COLONEL COMPLEX, 3 TO 8 PERCENT SLOPES	IVa
SIE32	COLONEL-DIXFIELD COMPLEX, 8 TO 15 PERCENT SLOPES, VERY STONY	IIIId
SIE32N	COLONEL-DIXFIELD COMPLEX, 8 TO 15 PERCENT SLOPES	IIIId
SIE33	DIXFIELD-COLONEL COMPLEX, 15 TO 35 PERCENT SLOPES, VERY STONY	IIIe
SIE33N	DIXFIELD-COLONEL COMPLEX, 15 TO 25 PERCENT SLOPES	IIIId
SIE34	DIXFIELD FINE SANDY LOAM, 35 TO 60 PERCENT SLOPES, VERY STONY	IVd
SIE41	TUNBRIDGE-DIXFIELD-WILMINGTON COMPLEX, 0 TO 8 PERCENT SLOPES, VERY STONY	IIIIf
SIE41N	TUNBRIDGE-DIXFIELD-WILMINGTON COMPLEX, 3 TO 8 PERCENT SLOPES, ROCKY	IIIIf
SIE42	TUNBRIDGE-COLONEL-CABOT COMPLEX, 8 TO 15 PERCENT SLOPES, VERY STONY	IIIIf
SIE42N	TUNBRIDGE-COLONEL-CABOT COMPLEX, 8 TO 15 PERCENT SLOPES, ROCKY	IIIIf
SIE43	TUNBRIDGE-DIXFIELD-COLONEL COMPLEX, 15 TO 35 PERCENT SLOPES, VERY STONY	IIIIf
SIE43N	TUNBRIDGE-DIXFIELD-COLONEL COMPLEX, 15 TO 25 PERCENT SLOPES, ROCKY	IIIIf
SIE44	TUNBRIDGE-DIXFIELD COMPLEX, 35 TO 60 PERCENT SLOPES, VERY STONY	IVb
SIE52	LYMAN-TUNBRIDGE COMPLEX, 8 TO 15 PERCENT SLOPES, VERY ROCKY	IIIa
SIE53	TUNBRIDGE-LYMAN COMPLEX, 15 TO 35 PERCENT SLOPES, VERY ROCKY	IIId
SIE54	LYMAN-TUNBRIDGE COMPLEX, 35 TO 60 PERCENT SLOPES, VERY ROCKY	IVb
SIE55	LYMAN-KNOB LOCK-ROCK OUTCROP COMPLEX, 60 TO 80 PERCENT SLOPES, VERY STONY	IVb
SIE60	MOOSILAUKE VERY FINE SANDY LOAM, 0 TO 8 PERCENT SLOPES, VERY STONY	IVa
SIE60N	MOOSILAUKE VERY FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	IVa
SIE61	SUNAPEE-MOOSILAUKE COMPLEX, 0 TO 8 PERCENT SLOPES, VERY STONY	IIIc
SIE61N	SUNAPEE-MOOSILAUKE COMPLEX, 0 TO 3 PERCENT SLOPES	IIIc
SIE62	MONADNOCK-SUNAPEE-COLONEL COMPLEX, 8 TO 15 PERCENT SLOPES, VERY STONY	IIIId
SIE62N	MONADNOCK-SUNAPEE-COLONEL COMPLEX, 8 TO 15 PERCENT SLOPES	IIIId
SIE63	MONADNOCK-SUNAPEE COMPLEX, 15 TO 35 PERCENT SLOPES, VERY STONY	IIIe
SIE63N	MONADNOCK-SUNAPEE COMPLEX, 15 TO 25 PERCENT SLOPES	IIIe
SIE64	MONADNOCK FINE SANDY LOAM, 35 TO 60 PERCENT SLOPES, VERY STONY	IIe
SIE92	RICKER-LONDONDERRY COMPLEX, 8 TO 15 PERCENT SLOPES, VERY ROCKY	IVc
SIE93	RICKER-LONDONDERRY-SADDLEBACK COMPLEX, 15 TO 35 PERCENT SLOPES, VERY ROCKY	IVc
SIE94	RICKER-SADDLEBACK-ROCK OUTCROP COMPLEX, 35 TO 60 PERCENT SLOPES, VERY STONY	IVb
W	WATER	V

## **BRIEF SUMMARY OF RATINGS GROUPS**

- Ia. WELL SUITED - Soils with rapid permeability**
- Ib. WELL SUITED - Soils with rapid permeability and limited slope**
- Ic. WELL SUITED - Soils with moderate permeability**
- Id. WELL SUITED - Soils with moderate permeability and limited slope**
- IIa. MODERATELY SUITED - Soils with slow permeability**
- IIb. MODERATELY SUITED - Soils with slow permeability and limited slope**
- IIc. MODERATELY SUITED - Soils with moderate depth to bedrock**
- IId. MODERATELY SUITED - Soils with moderate depth to bedrock and limited slope**
- IIe. MODERATELY SUITED - Soils with rapid permeability and steep slope**
- IIf. MODERATELY SUITED - Soils with moderate permeability and steep slope**
- IIg. Soil map units previously in this subgroup have been re-assigned to IIIg in this revision**
- IIh. MODERATELY SUITED - Soils with moderate depth to seasonal high water table (SHWT)**
- IIIa. MARGINALLY SUITED - Soils with marginal depth to bedrock**
- IIIb. MARGINALLY SUITED - Soils with flooding limitation and moderate depth to SHWT**
- IIIc. MARGINALLY SUITED - Soils with marginal depth to SHWT and gentle slope**
- IIId. MARGINALLY SUITED - Soils with marginal depth to SHWT and moderate slope**
- IIIe. MARGINALLY SUITED - Soils with marginal depth to SHWT and limited slope**
- IIIf. MARGINALLY SUITED - Soil map units with SHWT and depth to bedrock limitation**
- IIIg. MARGINALLY SUITED - Soil map units with a hazard of flooding**
- IVa. GENERALLY NOT SUITED - Soils not suited due to excessive wetness**
- IVb. GENERALLY NOT SUITED - Soils not suited due to limited depth to bedrock and steep slope**
- IVc. GENERALLY NOT SUITED - Soils not suited due to very limited depth to bedrock on moderate slopes**
- IVd. GENERALLY NOT SUITED - Soils not suited due to slow permeability and steep slope**
- V. NOT RATED MAP UNITS**

\* for more information, contact Thomas Villars, Soil Resource Specialist ([thomas.villars@vt.usda.gov](mailto:thomas.villars@vt.usda.gov))