

HIGHLY ERODIBLE SOIL MAP UNIT LIST- FILLMORE COUNTY, MN

C=0.08

R=160

This data is only to be used for HEL determinations. This is the "frozen data" based on 01/01/1990 information. Values other than 'HEL' should only be used for PHEL.

areasym	musym	muname	HEL	T	K	I	slope_%	slope_l	LS
MN045	Aa	Alluvial land, medium textured, poorly drained	NHEL	5	0.28	48	1	300	0.18
MN045	Ab	Alluvial land, medium textured, well drained	NHEL	5	0.32	86	1	300	0.18
MN045	Ac	Alluvial land, coarse textured, well drained	NHEL	5	0.17	134	1	100	0.13
MN045	Ca	Chaseburg and Judson silt loams, 0 to 1 percent slopes	NHEL	5	0.32	56	1	100	0.13
MN045	Cb	Chaseburg and Judson silt loams, 2 to 6 percent slopes	NHEL	5	0.32	56	4	100	0.14
MN045	Cc	Chelsea and Boone loamy fine sands, 2 to 6 percent slopes	NHEL	3	0.17	134	4	150	0.47
MN045	Cd	Chelsea and Boone loamy fine sands, 7 to 11 percent slopes	NHEL	3	0.17	134	8	100	0.99
MN045	Ce	Chelsea and Boone loamy fine sands, 12 to 17 percent slopes	HEL	3	0.17	134	14	100	2.29
MN045	Cf	Chelsea and Boone loamy fine sands, 18 to 35 percent slopes	HEL	4	0.15	134	20	100	4.08
MN045	Cg	Clyde silty clay loam	NHEL	5	0.28	38	1	250	0.17
MN045	Ch	Clyde silty clay loam, overwash	NHEL	5	0.28	38	1	250	0.17
MN045	Da	Dakota fine sandy loam, 0 to 1 percent slopes	NHEL	4	0.20	48	1	200	0.16
MN045	Db	Dakota fine sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	48	4	140	0.46
MN045	Dd	Dakota fine sandy loam, 12 to 17 percent slopes, moderately eroded	HEL	3	0.20	86	14	100	2.29
MN045	De	Dakota loam, 0 to 1 percent slopes	NHEL	4	0.24	56	1	200	0.16
MN045	Df	Dakota loam, 2 to 6 percent slopes	NHEL	4	0.24	56	4	150	0.47
MN045	Dg	Dickinson fine sandy loam, 0 to 6 percent slopes	NHEL	4	0.20	86	3	200	0.39
MN045	Dh	Dickinson fine sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	86	4	200	0.53
MN045	Dk	Dickinson fine sandy loam, 7 to 11 percent slopes, moderately eroded	PHEL	4	0.20	86	8	100	0.99
MN045	DI	Dickinson fine sandy loam, loamy substratum, 2 to 6 percent slopes	NHEL	4	0.20	86	4	150	0.47
MN045	Dn	Dickinson fine sandy loam, loamy substratum, 7 to 11 percent slopes, moderately eroded	NHEL	4	0.20	86	8	100	0.99
MN045	Do	Dickinson loam, 2 to 6 percent slopes	NHEL	4	0.28	56	4	150	0.47
MN045	Dr	Dickinson loam, 7 to 11 percent slopes, moderately eroded	HEL	4	0.28	56	8	100	0.91
MN045	Ds	Dubuque and Whalan silt loams, 2 to 6 percent slopes	PHEL	2	0.37	48	4	180	0.51
MN045	Du	Dubuque and Whalan silt loams, 7 to 11 percent slopes, moderately eroded	HEL	2	0.37	48	8	100	0.99
MN045	Dv	Dubuque and Whalan silt loams, 12 to 17 percent slopes, moderately eroded	HEL	2	0.37	48	14	100	2.29
MN045	Dx	Dubuque and Whalan silt loams, 18 to 45 percent slopes	HEL	2	0.37	48	25	100	5.80
MN045	Ea	Escarments	HEL	5	0.17	134	25	130	6.72
MN045	Fa	Fayette silt loam, 0 to 1 percent slopes	NHEL	5	0.32	48	1	300	0.19
MN045	Fb	Fayette silt loam, 2 to 6 percent slopes	NHEL	5	0.32	48	4	200	0.53
MN045	Fd	Fayette silt loam, 7 to 11 percent slopes, moderately eroded	HEL	5	0.37	48	8	150	1.21
MN045	Ff	Fayette silt loam, 12 to 17 percent slopes, moderately eroded	HEL	5	0.37	48	14	130	2.29
MN045	Fh	Fayette silt loam, 18 to 45 percent slopes	HEL	5	0.32	48	25	100	5.89
MN045	Fk	Fayette silt loam, terrace, 2 to 6 percent slopes	NHEL	5	0.32	48	4	200	0.53

MN045	Fm	Fayette silt loam, terrace, 7 to 17 percent slopes, moderately eroded	HEL	5	0.37	48	12	150	2.21
MN045	Fn	Floyd and Clyde silty clay loams, overwash, 0 to 3 percent slopes	NHEL	5	0.28	38	1	400	0.20
MN045	Ha	Hixton fine sandy loam, 2 to 11 percent slopes, moderately eroded	PHEL	3	0.24	86	7	200	1.17
MN045	Hb	Hixton fine sandy loam, 12 to 35 percent slopes, moderately eroded	HEL	3	0.24	86	25	200	8.33
MN045	Ka	Kasson silt loam, 0 to 1 percent slopes	NHEL	5	0.32	56	1	300	0.18
MN045	Kb	Kasson silt loam, 2 to 6 percent slopes	NHEL	5	0.32	56	4	300	0.62
MN045	Kc	Kato silty clay loam	NHEL	4	0.28	38	1	300	0.18
MN045	Kd	Kenyon silt loam, 0 to 1 percent slopes	NHEL	5	0.24	48	1	200	0.16
MN045	Ke	Kenyon silt loam, 2 to 6 percent slopes	NHEL	5	0.24	48	4	200	0.53
MN045	La	Lindstrom silt loam, 2 to 6 percent slopes	NHEL	5	0.28	56	4	200	0.53
MN045	Lb	Lindstrom silt loam, 7 to 11 percent slopes, moderately eroded	HEL	5	0.28	86	9	200	1.70
MN045	Lc	Lindstrom silt loam, 11 to 17 percent slopes, moderately eroded	HEL	5	0.28	86	14	200	3.00
MN045	Ld	Lindstrom fine sandy loam, 18 to 45 percent slopes	HEL	5	0.20	86	25	200	8.33
MN045	M501A	Klossner muck, depressional, 0 to 1 percent slopes	NHEL	5	0.02	134	1	250	0.23
MN045	M541C2	Copaston loam, 6 to 12 percent slopes, moderately eroded	HEL	1	0.28	48	9	150	0.99
MN045	M541F	Copaston loam, 14 to 45 percent slopes	HEL	1	0.28	48	30	105	25.20
MN045	Ma	Marshan silty clay loam	NHEL	4	0.28	38	1	200	0.16
MN045	Mc	Meridian fine sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	86	4	150	0.47
MN045	Md	Mixed alluvial land, 0 to 6 percent slopes	NHEL	5	0.17	48	2	100	0.20
MN045	Me	Mixed alluvial land, 7 to 17 percent slopes	NHEL	3	0.17	48	10	100	1.37
MN045	N502B	Nordness silt loam, 2 to 6 percent slopes	PHEL	1	0.32	48	5	200	0.47
MN045	N502C	Nordness silt loam, 6 to 12 percent slopes	HEL	1	0.32	48	10	140	0.99
MN045	N509F	Bellechester-Etter complex, 18 to 45 percent slopes	HEL	4	0.20	86	22	60	25.20
MN045	N510E	Sylvester-Downs complex, 20 to 45 percent slopes	HEL	3	0.37	56	35	140	28.97
MN045	N531B	Downs-Nasset complex, sinkhole karst, 2 to 6 percent slopes	NHEL	3	0.32	56	3	200	0.53
MN045	N532C2	Fayette-Pepin complex, sinkhole karst, 6 to 12 percent slopes, moderately eroded	HEL	3	0.37	56	9	140	1.21
MN045	N533D2	Fayette-Pepin-Dubuque complex, sinkhole karst, 12 to 18 percent slopes, moderately eroded	HEL	2	0.37	56	17	20	2.29
MN045	N580G	Brodale, very flaggy-Bellechester-Rock outcrop complex, 45 to 90 percent slopes	HEL	3	0.20	38	70	115	25.20
MN045	N638G	Brodale, flaggy-Bellechester complex, 30 to 70 percent slopes	HEL	3	0.20	38	50	115	19.50
MN045	N639F	Frontenac-Lacrescent complex, 20 to 45 percent slopes	HEL	3	0.28	48	35	50	9.00
MN045	N639G	Frontenac-Lacrescent complex, 30 to 70 percent slopes	HEL	3	0.28	48	60	70	28.97
MN045	N640G	Lacrescent, flaggy-Frontenac-Rock outcrop complex, 45 to 90 percent slopes	HEL	3	0.20	38	70	210	28.97
MN045	N641F	Brodale channery loam, 20 to 45 percent slopes	HEL	3	0.20	38	35	115	25.20
MN045	Pa	Plainfield and Sparta loamy fine sands, 2 to 6 percent slopes	NHEL	5	0.17	134	4	200	0.53
MN045	Pb	Plainfield and Sparta loamy fine sands, 7 to 11 percent slopes	PHEL	5	0.17	134	8	100	0.99
MN045	Ra	Racine and Ostrander silt loams, 0 to 1 percent slopes	NHEL	5	0.32	48	1	250	0.17
MN045	Rb	Racine and Ostrander silt loams, 2 to 6 percent slopes	NHEL	5	0.32	48	4	200	0.53
MN045	Rd	Racine and Ostrander silt loams, 7 to 11 percent slopes, moderately eroded	HEL	5	0.32	48	8	100	0.99
MN045	Re	Racine and Ostrander loams, 12 to 17 percent slopes, moderately eroded	HEL	5	0.32	48	14	100	2.29
MN045	Rf	Renova silt loam, 0 to 1 percent slopes	NHEL	5	0.32	48	1	250	0.17

MN045	Rg	Renova silt loam, 2 to 6 percent slopes	NHEL	5	0.32	48	4	250	0.58
MN045	Rk	Renova silt loam, 7 to 11 percent slopes, moderately eroded	HEL	5	0.32	48	8	100	0.99
MN045	Rl	Renova loam, 12 to 17 percent slopes, moderately eroded	HEL	5	0.32	48	14	100	2.29
MN045	Rm	Rockton and Dodgeville silt loams, shallow, 2 to 6 percent slopes	PHEL	1	0.32	48	4	200	0.53
MN045	Ro	Rockton and Dodgeville silt loams, shallow, 7 to 11 percent slopes, moderately eroded	HEL	1	0.32	48	8	100	0.99
MN045	Rp	Rockton and Dodgeville silt loams, shallow, 12 to 17 percent slopes, moderately eroded	HEL	1	0.32	48	14	100	2.29
MN045	Rr	Rockton and Dodgeville silt loams, shallow, 18 to 35 percent slopes	HEL	1	0.32	86	25	100	5.89
MN045	Sa	Schapville silty clay loam, 2 to 6 percent slopes	NHEL	3	0.32	38	4	200	0.53
MN045	Sb	Schapville silty clay loam, 7 to 11 percent slopes, moderately eroded	HEL	4	0.32	38	8	100	0.99
MN045	Sc	Schapville silty clay loam, 12 to 17 percent slopes, moderately eroded	HEL	4	0.32	38	14	100	2.29
MN045	Sd	Seaton and Port Byron silt loams, 2 to 6 percent slopes	NHEL	5	0.32	56	4	150	0.47
MN045	Se	Seaton and Port Byron silt loams, 7 to 11 percent slopes, moderately eroded	HEL	5	0.37	56	8	100	0.99
MN045	Sf	Seaton and Port Byron silt loams, 12 to 17 percent slopes, moderately eroded	HEL	5	0.37	56	14	100	2.29
MN045	Sg	Skyberg silt loam, 0 to 3 percent slopes	NHEL	5	0.37	48	2	250	0.29
MN045	Ta	Tama and Downs silt loams, 0 to 1 percent slopes	NHEL	5	0.32	48	1	300	0.18
MN045	Tb	Tama and Downs silt loams, 2 to 6 percent slopes	NHEL	5	0.32	48	4	200	0.53
MN045	Te	Tama and Downs silt loams, 7 to 11 percent slopes, moderately eroded	HEL	5	0.32	48	8	130	1.13
MN045	Tg	Tama and Downs silt loams, 12 to 17 percent slopes, moderately eroded	HEL	5	0.32	48	14	130	2.62
MN045	Tk	Tama and Downs silt loams, 18 to 35 percent slopes	HEL	5	0.32	48	25	130	6.75
MN045	Tl	Mantorville and Wykoff loams, 0 to 1 percent slopes	NHEL	5	0.32	56	1	250	0.17
MN045	Tm	Mantorville and Wykoff loams, 2 to 6 percent slopes	NHEL	4	0.32	56	4	150	0.47
MN045	Tn	Mantorville and Wykoff loams, 7 to 17 percent slopes, moderately eroded	HEL	4	0.24	56	12	100	1.80
MN045	To	Mantorville and Wykoff sandy loams, 0 to 1 percent slopes	NHEL	2	0.20	86	1	350	0.17
MN045	Tp	Mantorville and Wykoff sandy loams, 2 to 6 percent slopes	NHEL	2	0.20	86	4	100	0.40
MN045	Tr	Mantorville and Wykoff sandy loams, 7 to 11 percent slopes, moderately eroded	HEL	2	0.20	86	8	100	0.99
MN045	Wa	Waukegan silt loam, 0 to 1 percent slopes	NHEL	4	0.32	48	1	300	0.18
MN045	Wb	Waukegan silt loam, 2 to 6 percent slopes	NHEL	4	0.32	48	4	250	0.58