

Highly erodible soil mapunit list - Fillmore County, MN

This data is only to be used for HEL determinations

C=0.08 R=160

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Mapunit Symbol	Mapunit Name	HELC	T	K	I	slope %	slope I	LS
M501A	Klossner muck, depressional, 0 to 1 percent slopes	NHEL	5	0.02	134	0.50	250	0.23
M541C2	Copaston loam, 6 to 12 percent slopes, moderately eroded	HEL	1	0.28	48	9.00	150	0.99
M541F	Copaston loam, 14 to 45 percent slopes	HEL	1	0.28	48	30.00	105	25.20
N502B	Nordness silt loam, 2 to 6 percent slopes	PHEL	1	0.32	48	5.00	200	0.47
N502C	Nordness silt loam, 6 to 12 percent slopes	HEL	1	0.32	48	10.00	140	0.99
N509F	Bellechester-Etter complex, 18 to 45 percent slopes	HEL	4	0.20	86	22.00	60	25.20
N510E	Sylvester-Downs complex, 20 to 45 percent slopes	HEL	3	0.37	56	35.00	140	28.97
N531B	Downs-Nasset complex, sinkhole karst, 2 to 6 percent slopes	NHEL	3	0.32	56	3.00	200	0.53
N532C2	Fayette-Pepin complex, sinkhole karst, 6 to 12 percent slopes, moderately eroded	HEL	3	0.37	56	9.00	140	1.21
N533D2	Fayette-Pepin-Dubuque complex, sinkhole karst, 12 to 18 percent slopes, moderately eroded	HEL	2	0.37	56	17.00	20	2.29
N580G	Brodale, very flaggy-Bellechester-Rock outcrop complex, 45 to 90 percent slopes	HEL	3	0.20	38	70.00	115	25.20
N638G	Brodale, flaggy-Bellechester complex, 30 to 70 percent slopes	HEL	3	0.20	38	50.00	115	19.50
N639F	Frontenac-Lacrescent complex, 20 to 45 percent slopes	HEL	3	0.28	48	35.00	50	9.00
N639G	Frontenac-Lacrescent complex, 30 to 70 percent slopes	HEL	3	0.28	48	60.00	70	28.97
N640G	Lacrescent, flaggy-Frontenac-Rock outcrop complex, 45 to 90 percent slopes	HEL	3	0.20	38	70.00	210	28.97
N641F	Brodale channery loam, 20 to 45 percent slopes	HEL	3	0.20	38	35.00	115	25.20
1003	Anthroportic Udorthents-Pits-Dumps complex, abandoned, 2 to 45 percent slopes							
1010	Pits, limestone quarry							
1030	Pits, sand and gravel							
1054	Udorthents, loamy (abandoned iron mine), 0 to 25 percent slopes							
1078	Anthroportic Udorthents, 2 to 9 percent slopes							
Aa	Alluvial land, medium textured, poorly drained	NHEL	5	0.28	48	1.00	300	0.18
Ab	Alluvial land, medium textured, well drained	NHEL	5	0.32	86	1.00	300	0.18
Ac	Alluvial land, coarse textured, well drained	NHEL	5	0.17	134	1.00	100	0.13
Ca	Chaseburg and Judson silt loams, 0 to 1 percent slopes	NHEL	5	0.32	56	1.00	100	0.13
Cb	Chaseburg and Judson silt loams, 2 to 6 percent slopes	NHEL	5	0.32	56	4.00	100	0.14
Cc	Chelsea and Boone loamy fine sands, 2 to 6 percent slopes	NHEL	3	0.17	134	4.00	150	0.47
Cd	Chelsea and Boone loamy fine sands, 7 to 11 percent slopes	NHEL	3	0.17	134	8.00	100	0.99
Ce	Chelsea and Boone loamy fine sands, 12 to 17 percent slopes	HEL	3	0.17	134	14.00	100	2.29
Cf	Chelsea and Boone loamy fine sands, 18 to 35 percent slopes	HEL	4	0.15	134	20.00	100	4.08

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Cg	Clyde silty clay loam, 0 to 3 percent slopes	NHEL	5	0.28	38	1.00	250	0.17
Ch	Clyde silty clay loam, overwash	NHEL	5	0.28	38	1.00	250	0.17
Da	Dakota fine sandy loam, 0 to 1 percent slopes	NHEL	4	0.20	48	1.00	200	0.16
Db	Dakota fine sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	48	4.00	140	0.46
Dd	Dakota fine sandy loam, 12 to 17 percent slopes, moderately eroded	HEL	3	0.20	86	14.00	100	2.29
De	Dakota loam, 0 to 1 percent slopes	NHEL	4	0.24	56	1.00	200	0.16
Df	Dakota loam, 2 to 6 percent slopes	NHEL	4	0.24	56	4.00	150	0.47
Dg	Dickinson fine sandy loam, 0 to 6 percent slopes	NHEL	4	0.20	86	3.00	200	0.39
Dh	Dickinson fine sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	86	4.00	200	0.53
Dk	Dickinson fine sandy loam, 7 to 11 percent slopes, moderately eroded	PHEL	4	0.20	86	8.00	100	0.99
DI	Dickinson fine sandy loam, loamy substratum, 2 to 6 percent slopes	NHEL	4	0.20	86	4.00	150	0.47
Dn	Dickinson fine sandy loam, loamy substratum, 7 to 11 percent slopes, moderately eroded	NHEL	4	0.20	86	8.00	100	0.99
Do	Dickinson loam, 2 to 6 percent slopes	NHEL	4	0.28	56	4.00	150	0.47
Dr	Dickinson loam, 7 to 11 percent slopes, moderately eroded	HEL	4	0.28	56	8.00	100	0.91
Ds	Dubuque and Whalan silt loams, 2 to 6 percent slopes	PHEL	2	0.37	48	4.00	180	0.51
Du	Dubuque and Whalan silt loams, 7 to 11 percent slopes, moderately eroded	HEL	2	0.37	48	8.00	100	0.99
Dv	Dubuque and Whalan silt loams, 12 to 17 percent slopes, moderately eroded	HEL	2	0.37	48	14.00	100	2.29
Dx	Dubuque and Whalan silt loams, 18 to 45 percent slopes	HEL	2	0.37	48	25.00	100	5.80
Ea	Escarpments	HEL	5	0.17	134	25.00	130	6.72
Fa	Fayette silt loam, 0 to 1 percent slopes	NHEL	5	0.32	48	1.00	300	0.19
Fb	Fayette silt loam, 2 to 6 percent slopes	NHEL	5	0.32	48	4.00	200	0.53
Fd	Fayette silt loam, 7 to 11 percent slopes, moderately eroded	HEL	5	0.37	48	8.00	150	1.21
Ff	Fayette silt loam, 12 to 17 percent slopes, moderately eroded	HEL	5	0.37	48	14.00	130	2.29
Fh	Fayette silt loam, 18 to 45 percent slopes	HEL	5	0.32	48	25.00	100	5.89
Fk	Fayette silt loam, terrace, 2 to 6 percent slopes	NHEL	5	0.32	48	4.00	200	0.53
Fm	Fayette silt loam, terrace, 7 to 17 percent slopes, moderately eroded	HEL	5	0.37	48	12.00	150	2.21
Fn	Floyd and Clyde silty clay loams, overwash, 0 to 3 percent slopes	NHEL	5	0.28	38	1.00	400	0.20
Ha	Hixton fine sandy loam, 2 to 11 percent slopes, moderately eroded	PHEL	3	0.24	86	7.00	200	1.17
Hb	Hixton fine sandy loam, 12 to 35 percent slopes, moderately eroded	HEL	3	0.24	86	25.00	200	8.33
Ka	Kasson silt loam, 0 to 1 percent slopes	NHEL	5	0.32	56	1.00	300	0.18

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Kb	Kasson silt loam, 2 to 6 percent slopes	NHEL	5	0.32	56	4.00	300	0.62
Kc	Kato silty clay loam	NHEL	4	0.28	38	1.00	300	0.18
Kd	Kenyon silt loam, 0 to 1 percent slopes	NHEL	5	0.24	48	1.00	200	0.16
Ke	Kenyon silt loam, 2 to 6 percent slopes	NHEL	5	0.24	48	4.00	200	0.53
La	Lindstrom silt loam, 2 to 6 percent slopes	NHEL	5	0.28	56	4.00	200	0.53
Lb	Lindstrom silt loam, 7 to 11 percent slopes, moderately eroded	HEL	5	0.28	86	9.00	200	1.70
Lc	Lindstrom silt loam, 11 to 17 percent slopes, moderately eroded	HEL	5	0.28	86	14.00	200	3.00
Ld	Lindstrom fine sandy loam, 18 to 45 percent slopes	HEL	5	0.20	86	25.00	200	8.33
Ma	Marshan silty clay loam	NHEL	4	0.28	38	1.00	200	0.16
Mc	Meridian fine sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	86	4.00	150	0.47
Md	Mixed alluvial land, 0 to 6 percent slopes	NHEL	5	0.17	48	2.00	100	0.20
Me	Mixed alluvial land, 7 to 17 percent slopes	NHEL	3	0.17	48	10.00	100	1.37
Pa	Plainfield and Sparta loamy fine sands, 2 to 6 percent slopes	NHEL	5	0.17	134	4.00	200	0.53
Pb	Plainfield and Sparta loamy fine sands, 7 to 11 percent slopes	PHEL	5	0.17	134	8.00	100	0.99
Ra	Racine and Ostrander silt loams, 0 to 1 percent slopes	NHEL	5	0.32	48	1.00	250	0.17
Rb	Racine and Ostrander silt loams, 2 to 6 percent slopes	NHEL	5	0.32	48	4.00	200	0.53
Rd	Racine and Ostrander silt loams, 7 to 11 percent slopes, moderately eroded	HEL	5	0.32	48	8.00	100	0.99
Re	Racine and Ostrander loams, 12 to 17 percent slopes, moderately eroded	HEL	5	0.32	48	14.00	100	2.29
Rf	Renova silt loam, 0 to 1 percent slopes	NHEL	5	0.32	48	1.00	250	0.17
Rg	Renova silt loam, 2 to 6 percent slopes	NHEL	5	0.32	48	4.00	250	0.58
River	Water rivers and streams							
Rk	Renova silt loam, 7 to 11 percent slopes, moderately eroded	HEL	5	0.32	48	8.00	100	0.99
Rl	Renova loam, 12 to 17 percent slopes, moderately eroded	HEL	5	0.32	48	14.00	100	2.29
Rm	Rockton and Dodgeville silt loams, shallow, 2 to 6 percent slopes	PHEL	1	0.32	48	4.00	200	0.53
Ro	Rockton and Dodgeville silt loams, shallow, 7 to 11 percent slopes, moderately eroded	HEL	1	0.32	48	8.00	100	0.99
Rp	Rockton and Dodgeville silt loams, shallow, 12 to 17 percent slopes, moderately eroded	HEL	1	0.32	48	14.00	100	2.29
Rr	Rockton and Dodgeville silt loams, shallow, 18 to 35 percent slopes	HEL	1	0.32	86	25.00	100	5.89
Sa	Schapville silty clay loam, 2 to 6 percent slopes	NHEL	3	0.32	38	4.00	200	0.53
Sb	Schapville silty clay loam, 7 to 11 percent slopes, moderately eroded	HEL	4	0.32	38	8.00	100	0.99

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Sc	Schapville silty clay loam, 12 to 17 percent slopes, moderately eroded	HEL	4	0.32	38	14.00	100	2.29
Se	Seaton and Port Byron silt loams, 7 to 11 percent slopes, moderately eroded	HEL	5	0.37	56	8.00	100	0.99
Sf	Seaton and Port Byron silt loams, 12 to 17 percent slopes, moderately eroded	HEL	5	0.37	56	14.00	100	2.29
Sg	Skyberg silt loam, 0 to 3 percent slopes	NHEL	5	0.37	48	2.00	250	0.29
Ta	Tama-Downs complex, driftless, 0 to 2 percent slopes	NHEL	5	0.32	48	1.00	300	0.18
Tb	Tama-Downs complex, driftless, 2 to 6 percent slopes	NHEL	5	0.32	48	4.00	200	0.53
Te	Tama-Downs complex, driftless, 6 to 12 percent slopes, moderately eroded	HEL	5	0.32	48	8.00	130	1.13
Tg	Tama-Downs complex, driftless, 12 to 18 percent slopes, moderately eroded	HEL	5	0.32	48	14.00	130	2.62
Tk	Tama-Downs complex, driftless, 18 to 35 percent slopes, moderately eroded	HEL	5	0.32	48	25.00	130	6.75
Tl	Mantorville and Wykoff loams, 0 to 1 percent slopes	NHEL	5	0.32	56	1.00	250	0.17
Tm	Mantorville and Wykoff loams, 2 to 6 percent slopes	NHEL	4	0.32	56	4.00	150	0.47
Tn	Mantorville and Wykoff loams, 7 to 17 percent slopes, moderately eroded	HEL	4	0.24	56	12.00	100	1.80
To	Mantorville and Wykoff sandy loams, 0 to 1 percent slopes	NHEL	2	0.20	86	1.00	350	0.17
Tp	Mantorville and Wykoff sandy loams, 2 to 6 percent slopes	NHEL	2	0.20	86	4.00	100	0.40
Tr	Mantorville and Wykoff sandy loams, 7 to 11 percent slopes, moderately eroded	HEL	2	0.20	86	8.00	100	0.99
W	Water							
Wa	Waukegan silt loam, 0 to 1 percent slopes	NHEL	4	0.32	48	1.00	300	0.18
Wb	Waukegan silt loam, 2 to 6 percent slopes	NHEL	4	0.32	48	4.00	250	0.58