

Highly erodible soil mapunit list - Hennepin County, MN

This data is only to be used for HEL determinations

C=1.00 R=150

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Mapunit

Symbol	Mapunit Name	HELC	T	K	I	slope %	slope l	LS
D1B	Anoka and Zimmerman soils, terrace, 2 to 6 percent slopes	NHEL	5	0.17	134	3.00	110	0.30
D1C	Anoka and Zimmerman soils, terrace, 6 to 12 percent slopes	NHEL	5	0.17	134	9.00	110	1.20
D2A	Elkriver fine sandy loam, 0 to 2 percent slopes, rarely flooded	NHEL	4	0.20	86	1.00	100	0.13
D3A	Elkriver fine sandy loam, 0 to 2 percent slopes, occasionally flooded	NHEL	4	0.24	56	1.00	100	0.13
D4A	Dorset sandy loam, 0 to 2 percent slopes	NHEL	4	0.24	56	1.00	110	0.13
D4B	Dorset sandy loam, 2 to 6 percent slopes	NHEL	4	0.24	56	3.00	100	0.29
D4C	Dorset sandy loam, 6 to 12 percent slopes	PHEL	3	0.24	86	7.00	125	0.88
D5B	Dorset-Two Inlets complex, 2 to 6 percent slopes	NHEL	3	0.20	86	3.00	100	0.29
D5C	Dorset-Two Inlets complex, 6 to 12 percent slopes	PHEL	3	0.20	86	9.00	100	1.20
D5D	Dorset-Two Inlets complex, 12 to 18 percent slopes	HEL	3	0.20	86	15.00	90	2.40
D6A	Verndale sandy loam, 0 to 2 percent slopes	NHEL	3	0.20	86	1.00	110	0.13
D6B	Verndale sandy loam, 2 to 6 percent slopes	NHEL	3	0.20	86	3.00	100	0.29
D6C	Verndale sandy loam, acid substratum, 6 to 12 percent slopes	PHEL	3	0.20	86	9.00	100	1.20
D8B	Sandberg loamy sand, 1 to 6 percent slopes	NHEL	3	0.17	86	3.00	110	0.30
D8C	Sandberg loamy sand, 2 to 12 percent slopes	PHEL	3	0.17	86	9.00	100	1.20
D8D	Sandberg loamy coarse sand, 12 to 18 percent slopes	HEL	3	0.17	86	15.00	100	2.50
D8E	Sandberg loamy coarse sand, 18 to 35 percent slopes	HEL	3	0.17	86	25.00	100	6.00
D10A	Forada sandy loam, 0 to 2 percent slopes	NHEL	5	0.20	86	0.50	100	0.10
D11A	Lindaas silt loam, 0 to 2 percent slopes	NHEL	5	0.28	38	1.00	130	0.14
D12B	Bygland silt loam, map >25, 2 to 6 percent slopes	NHEL	4	0.28	38	3.00	125	0.30
D12C2	Bygland silt loam, map >25, 6 to 12 percent slopes, eroded	HEL	3	0.43	48	9.00	125	1.30
D13A	Langola loamy fine sand, terrace, 0 to 2 percent slopes	NHEL	4	0.17	134	1.00	125	0.14
D13B	Langola loamy fine sand, terrace, 2 to 6 percent slopes	NHEL	4	0.17	134	5.00	125	0.60
D15A	Seelyeville-Markey complex, depressional, 0 to 1 percent slopes	NHEL	4		134	0.50	200	0.12
D16A	Seelyeville and Markey soils, ponded, 0 to 1 percent slopes	NHEL	5		134	0.50	200	0.12
D17A	Duelm loamy sand, 0 to 2 percent slopes	NHEL	5	0.17	134	1.00	110	0.13
D18B	Braham loamy fine sand, terrace, 2 to 5 percent slopes	NHEL	5	0.17	134	3.00	120	0.30
D19A	Fordum-Winterfield complex, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	100	0.13
D20A	Isan-Isan, frequently ponded, complex, 0 to 2 percent slopes	NHEL	5	0.20	86	1.00	100	0.13
D21A	Isan-Isan, frequently ponded, complex, 0 to 2 percent slopes	NHEL	5	0.20	86	0.50	100	0.10
D23A	Southhaven loam, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	90	0.12
D24A	Sedgeville loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	125	0.14

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D25A	Soderville loamy fine sand, terrace, 0 to 3 percent slopes	NHEL	5	0.17	134	1.00	100	0.13
D26A	Foldahl loamy sand, map >25, 0 to 3 percent slopes	NHEL	4	0.17	134	1.00	110	0.13
D27A	Dorset sandy loam, loamy substratum, 0 to 2 percent slopes	NHEL	4	0.24	56	1.00	110	0.13
D28B	Urban land-Bygland, map >25, complex, 1 to 6 percent slopes							
D29B	Urban land-Hubbard, bedrock substratum complex, 0 to 8 percent slopes							
D30A	Seelyeville and Markey soils, depressional, 0 to 1 percent slopes	NHEL	5		134	0.50	200	0.12
D31A	Urban land-Duelm complex, 0 to 2 percent slopes							
D33B	Urban land-Dorset complex, 0 to 8 percent slopes							
D33C	Urban land-Dorset complex, 8 to 18 percent slopes							
D35A	Elkriver-Fordum complex, 0 to 2 percent slopes, occasionally flooded	NHEL						
D37F	Dorset, bedrock substratum-Rock outcrop complex, 25 to 65 percent slopes	HEL						
D40A	Kratka loamy fine sand, thick solum, 0 to 2 percent slopes	NHEL	5	0.20	86	1.00	100	0.13
D41C	Urban land-Waukon complex, 6 to 18 percent slopes							
D43A	Gonvick loam, terrace, 1 to 3 percent slopes	NHEL	5	0.24	48	2.00	150	0.23
D64B	Urban land-Hubbard complex, Mississippi River Valley, 0 to 2 percent slopes							
D67A	Hubbard loamy sand, Mississippi River Valley, 0 to 2 percent slopes	NHEL	5	0.15	134	1.00	120	0.14
D67B	Hubbard loamy sand, 1 to 6 percent slopes	NHEL	5	0.15	134	3.00	110	0.30
D67C	Hubbard loamy sand, 2 to 12 percent slopes	NHEL	5	0.15	134	9.00	100	1.20
L2B	Malardi-Hawick complex, 1 to 6 percent slopes	NHEL	3	0.20	86	3.00	110	0.30
L2C	Malardi-Hawick complex, 6 to 12 percent slopes	PHEL	3	0.20	86	9.00	100	1.20
L2D	Malardi-Hawick complex, 12 to 18 percent slopes	HEL	3	0.20	86	15.00	100	2.40
L2E	Malardi-Hawick complex, 18 to 35 percent slopes	HEL	3	0.17	86	25.00	100	6.00
L3A	Rasset sandy loam, 0 to 2 percent slopes	NHEL	4	0.24	56	1.00	110	0.13
L3B	Rasset sandy loam, 2 to 6 percent slopes	NHEL	4	0.24	56	3.00	100	0.29
L3C	Rasset sandy loam, 6 to 12 percent slopes	NHEL	4	0.20	86	9.00	100	1.20
L4B	Crowfork loamy sand, 1 to 6 percent slopes	NHEL	5	0.17	134	3.00	120	0.30
L4C	Crowfork loamy sand, 6 to 12 percent slopes	NHEL	5	0.17	134	9.00	110	1.20
L4D	Crowfork loamy sand, 12 to 18 percent slopes	PHEL	5	0.15	134	15.00	90	2.40
L6A	Biscay clay loam, 0 to 2 percent slopes	NHEL	4	0.28	48	1.00	100	0.13
L7A	Biscay clay loam, depressional, 0 to 1 percent slopes	NHEL	4	0.28	48	0.50	100	0.10
L8A	Darfur sandy loam, 0 to 2 percent slopes	NHEL	5	0.20	86	1.00	100	0.13

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L9A	Minnetonka silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	38	0.50	150	0.11
L10B	Kasota silty clay loam, 1 to 6 percent slopes	NHEL	4	0.28	38	3.00	125	0.30
L11B	Grays very fine sandy loam, 2 to 8 percent slopes	NHEL	5	0.32	86	3.00	125	0.30
L12A	Muskego, Blue Earth, and Houghton soils, ponded, 0 to 1 percent slopes, frequently flooded	NHEL	5		134	0.50	200	0.12
L13A	Klossner muck, 0 to 1 percent slopes	NHEL	5		134	0.50	200	0.12
L14A	Houghton muck, 0 to 1 percent slopes	NHEL	5		134	0.50	200	0.12
L15A	Klossner, Okoboiji, and Glencoe soils, ponded, 0 to 1 percent slopes	NHEL	5		134	0.50	200	0.12
L16A	Muskego, Blue Earth, and Houghton soils, ponded, 0 to 1 percent slopes	NHEL	5		134	0.50	200	0.12
L17B	Angus-Malardi complex, 2 to 6 percent slopes	NHEL	4	0.24	56	1.00	110	0.13
L18A	Shields silty clay loam, 0 to 3 percent slopes	NHEL	3	0.37	38	1.00	100	0.13
L19B	Moon loamy fine sand, 2 to 5 percent slopes	NHEL	5	0.17	134	3.00	120	0.30
L20B	Fedji loamy fine sand, silty substratum, 2 to 8 percent slopes	NHEL	5	0.17	134	3.00	120	0.30
L21A	Canisteo clay loam, 0 to 2 percent slopes	NHEL	5	0.24	86	1.00	100	0.13
L22C2	Lester loam, 6 to 10 percent slopes, eroded	PHEL	5	0.28	48	9.00	120	1.30
L22D2	Lester loam, 10 to 16 percent slopes, moderately eroded	HEL	5	0.28	48	15.00	120	2.80
L22E	Lester loam, 10 to 22 percent slopes	HEL	5	0.28	48	20.00	110	4.50
L22F	Lester loam, morainic, 25 to 35 percent slopes	HEL	5	0.32	56	30.00	100	8.00
L23A	Cordova loam, 0 to 2 percent slopes	NHEL	5	0.28	38	1.00	100	0.13
L24A	Glencoe clay loam, 0 to 1 percent slopes	NHEL	5	0.28	38	0.50	100	0.10
L25A	Le Sueur loam, 1 to 3 percent slopes	NHEL	5	0.24	48	2.00	150	0.23
L26A	Shorewood silty clay loam, 1 to 3 percent slopes	NHEL	5	0.28	38	1.00	130	0.14
L26B	Shorewood silty clay loam, 3 to 6 percent slopes	NHEL	5	0.28	38	3.00	120	0.30
L26C2	Shorewood silty clay loam, 6 to 12 percent slopes, eroded	HEL	3	0.43	48	9.00	125	1.30
L27A	Suckercreek loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	100	0.13
L28A	Suckercreek fine sandy loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	0.50	80	0.09
L29A	Hanlon fine sandy loam, 0 to 2 percent slopes, occasionally flooded	NHEL	4	0.20	86	1.00	100	0.13
L30A	Medo soils, depressional, 0 to 1 percent slopes	NHEL	4		134	0.50	200	0.12
L31A	Medo, Dassel, and Biscay soils, ponded, 0 to 1 percent slopes	NHEL	5		134	0.50	200	0.12
L32D	Hawick gravelly sandy loam, 12 to 20 percent slopes	PHEL	5	0.15	134	15.00	90	2.40
L32F	Hawick sandy loam, 20 to 40 percent slopes	HEL	5	0.15	134	25.00	90	5.70

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L35A	Lerdal loam, 1 to 3 percent slopes	NHEL	3	0.37	48	2.00	130	0.22
L36A	Hamel, overwash-Hamel complex, 0 to 3 percent slopes	NHEL	5	0.28	48	1.00	50	0.10
L37B	Angus loam, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	125	0.44
L38A	Rushriver very fine sandy loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	125	0.14
L39A	Minneiska fine sandy loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	100	0.13
L40B	Angus-Kilkenny complex, 2 to 6 percent slopes	NHEL	5	0.28	48	3.00	125	0.30
L41C2	Lester-Kilkenny complex, 6 to 10 percent slopes, moderately eroded	PHEL	5	0.28	48	9.00	120	1.30
L41D2	Lester-Kilkenny complex, 10 to 16 percent slopes, moderately eroded	HEL	5	0.28	48	15.00	110	2.70
L41E	Lester-Kilkenny complex, 16 to 22 percent slopes	HEL	5	0.28	48	20.00	110	4.50
L41F	Lester-Kilkenny complex, 22 to 40 percent slopes	HEL	5	0.32	48	30.00	90	7.50
L42B	Kingsley-Gotham complex, 2 to 6 percent slopes	NHEL	5	0.20	86	3.00	125	0.30
L42C	Kingsley-Gotham complex, 6 to 12 percent slopes	NHEL	5	0.20	86	9.00	110	1.20
L42D	Kingsley-Gotham complex, 12 to 18 percent slopes	HEL	5	0.20	86	15.00	110	2.70
L42E	Kingsley-Gotham complex, 18 to 25 percent slopes	HEL	5	0.20	86	20.00	100	4.00
L42F	Kingsley-Gotham complex, 25 to 35 percent slopes	HEL	5	0.20	86	30.00	100	8.00
L43A	Brouillett loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.32	86	1.00	100	0.13
L44A	Nessel loam, 1 to 3 percent slopes	NHEL	5	0.32	48	2.00	130	0.22
L45A	Dundas-Cordova complex, 0 to 3 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
L46A	Tomall loam, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	90	0.12
L47A	Eden Prairie sandy loam, 0 to 2 percent slopes	NHEL	3	0.20	86	1.00	110	0.13
L47B	Eden Prairie sandy loam, 2 to 6 percent slopes	NHEL	3	0.20	86	3.00	100	0.29
L47C	Eden Prairie sandy loam, 6 to 12 percent slopes	PHEL	3	0.20	86	9.00	100	1.20
L49A	Klossner soils, depressional, 0 to 1 percent slopes	NHEL	5		134	0.50	200	0.12
L50A	Houghton and Muskego soils, 0 to 1 percent slopes	NHEL	5		134	0.50	200	0.12
L52C	Urban land-Lester complex, 2 to 18 percent slopes							
L52E	Urban land-Lester complex, 18 to 35 percent slopes							
L53B	Urban land-Moon complex, 2 to 8 percent slopes							
L54A	Urban land-Dundas complex, 0 to 3 percent slopes							
L55B	Urban land-Malardi complex, 0 to 8 percent slopes							
L55C	Urban land-Malardi complex, 8 to 18 percent slopes							
L56A	Muskego and Klossner soils, 0 to 1 percent slopes, frequently flooded	NHEL	5		134	0.50	200	0.12

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L58B	Koronis-Kingsley complex, 2 to 6 percent slopes	NHEL	5	0.20	86	3.00	120	0.30
L58C2	Koronis-Kingsley complex, 6 to 12 percent slopes, eroded	NHEL	5	0.20	86	9.00	115	1.20
L58D2	Koronis-Kingsley complex, 12 to 18 percent slopes, eroded	HEL	5	0.20	86	15.00	110	2.70
L58E	Koronis-Kingsley complex, 18 to 25 percent slopes	HEL	5	0.20	86	20.00	110	4.50
L59A	Forestcity-Lundlake, depressional, complex, 0 to 3 percent slopes	NHEL	5	0.28	48	1.00	100	0.13
L60B	Angus-Moon complex, 2 to 5 percent slopes	NHEL	5	0.20	86	3.00	120	0.30
L61C2	Lester-Metea complex, 6 to 12 percent slopes, eroded	NHEL	5	0.20	86	9.00	115	1.20
L61D2	Lester-Metea complex, 12 to 18 percent slopes, eroded	HEL	5	0.20	86	15.00	110	2.70
L61E	Lester-Metea complex, 18 to 25 percent slopes	HEL	5	0.20	86	20.00	110	4.50
L62B	Koronis-Kingsley-Malardi complex, 2 to 6 percent slopes	NHEL	3	0.20	86	3.00	120	0.30
L62C2	Koronis-Kingsley-Malardi complex, 6 to 12 percent slopes, eroded	PHEL	3	0.20	86	9.00	115	1.20
L62D2	Koronis-Kingsley-Malardi complex, 12 to 18 percent slopes, eroded	HEL	3	0.20	86	15.00	110	2.70
L62E	Koronis-Kingsley-Malardi complex, 18 to 35 percent slopes	HEL	3	0.20	86	25.00	100	6.00
L64A	Tadkee-Tadkee, depressional, complex, 0 to 2 percent slopes	NHEL	5	0.24	86	1.00	100	0.13
L70C2	Lester-Malardi complex, 6 to 12 percent slopes, eroded	PHEL	3	0.20	86	9.00	115	1.20
L70D2	Lester-Malardi complex, 12 to 18 percent slopes, eroded	HEL	3	0.20	86	15.00	110	2.70
L70E	Lester-Malardi complex, 18 to 35 percent slopes	HEL	3	0.20	86	25.00	100	6.00
L71C	Metea loamy fine sand, 6 to 12 percent slopes	NHEL	5	0.17	134	9.00	110	1.20
L72A	Lundlake loam, depressional, 0 to 1 percent slopes	NHEL	5	0.28	38	0.50	100	0.10
L110E	Lester-Ridgeton complex, 18 to 25 percent slopes	HEL	5	0.32	56	20.00	100	4.00
L110F	Lester-Ridgeton complex, 25 to 45 percent slopes	HEL	5	0.32	56	30.00	100	8.00
L131A	Litchfield loamy fine sand, 0 to 3 percent slopes	NHEL	5	0.17	134	1.00	100	0.13
L132A	Hamel-Glencoe, complex, 0 to 2 percent slopes	NHEL	5	0.28	38	0.50	100	0.10
U1A	Urban land-Udorthents, wet substratum, complex, 0 to 2 percent slopes	NHEL	5	0.24	86	1.00	100	0.13
U2A	Udorthents, wet substratum, 0 to 2 percent slopes	NHEL	5	0.24	86	1.00	100	0.13
U3B	Udorthents (cut and fill land), 0 to 6 percent slopes	NHEL	5	0.24	86	1.00	100	0.13
U4A	Urban land-Udipsamments (cut and fill land) complex, 0 to 2 percent slopes	NHEL	5	0.24	86	1.00	100	0.13
U5A	Urban land-Udorthents, wet substratum, complex, 0 to 2 percent slopes, rarely flooded	NHEL	5	0.24	86	1.00	100	0.13
U6B	Urban land-Udorthents (cut and fill land) complex, 0 to 6 percent slopes	NHEL	5	0.24	86	1.00	100	0.13
GP	Pits, gravel-Udipsamments complex							

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M-W	Water, miscellaneous							
W	Water							