

Highly erodible soil mapunit list - Houston County, MN

This data is only to be used for HEL determinations

C=0.07 R=160

This is the "frozen data" based on 01/01/1990 information. The columns of data should only be used for PHEL.

Mapunit

Symbol	Mapunit Name	HELC	T	K	I	slope %	slope l	LS
8A	Sparta loamy sand, 0 to 6 percent slopes	NHEL	5	0.17	134	4.00	300	0.62
11C	Sogn silt loam, 2 to 12 percent slopes	HEL	1	0.32	86	7.00	125	0.92
16	Arenzville silt loam, 0 to 3 percent slopes, occasionally flooded	NHEL	5	0.37	56	1.00	200	0.16
18	Comfrey silt loam, occasionally flooded	NHEL	5	0.28	48	1.00	200	0.16
25	Becker sandy loam	NHEL	4	0.20	86	2.00	300	0.28
27B	Dickinson sandy loam, 1 to 6 percent slopes	NHEL	4	0.20	86	4.00	150	0.47
76A	Bertrand silt loam, 0 to 2 percent slopes	NHEL	5	0.37	56	1.00	300	0.38
76B	Bertrand silt loam, 2 to 6 percent slopes	NHEL	5	0.37	56	4.00	200	0.53
79B	Billett sandy loam, 1 to 6 percent slopes	NHEL	5	0.20	86	4.00	200	0.53
79C	Billett sandy loam, 6 to 12 percent slopes	PHEL	5	0.20	86	8.00	130	1.13
81F	Boone sand, rocky, 20 to 70 percent slopes	HEL	4	0.15	310	55.00	200	28.97
103A	Seaton silt loam, driftless ridge, 1 to 3 percent slopes	NHEL	5	0.37	56	2.00	300	0.28
103B	Seaton silt loam, ridge phase, 2 to 6 percent slopes	NHEL	5	0.37	56	5.00	200	0.68
103C2	Seaton silt loam, driftless ridge, 6 to 12 percent slopes, moderately eroded	HEL	5	0.37	56	9.00	150	1.44
103vC2	Seaton silt loam, driftless valley, 6 to 12 percent slopes, moderately eroded	HEL	5	0.37	56	9.00	150	1.44
103D2	Seaton silt loam, driftless ridge, 12 to 20 percent slopes, moderately eroded	HEL	5	0.37	56	16.00	150	3.48
103vD2	Seaton silt loam, driftless valley, 12 to 20 percent slopes, moderately eroded	HEL	5	0.37	56	16.00	150	3.48
131B	Massbach silt loam, 3 to 6 percent slopes	NHEL	4	0.32	48	4.00	150	0.47
131C	Massbach silt loam, 6 to 12 percent slopes	HEL	4	0.32	48	8.00	125	1.11
136	Madelia silt loam	NHEL	5	0.28	48	1.00	300	0.18
143E2	Eleva loam, 20 to 30 percent slopes, eroded	HEL	4	0.32	56	25.00	125	6.59
143F	Eleva sandy loam, 30 to 45 percent slopes	HEL	4	0.24	86	40.00	130	14.43
177B	Gotham loamy sand, 2 to 10 percent slopes	NHEL	5	0.17	134	6.00	200	0.95
194	Huntsville silt loam, occasionally flooded	NHEL	5	0.28	48	1.00	300	0.18
216B	Lamont fine sandy loam, 1 to 6 percent slopes	NHEL	4	0.24	86	4.00	125	0.44
244B	Lilah sandy loam, 2 to 6 percent slopes	NHEL	3	0.20	86	4.00	130	0.44
250	Kennebec silt loam, occasionally flooded	NHEL	5	0.28	48	1.00	200	0.16
273	Muscatine silt loam	NHEL	5	0.28	48	2.00	200	0.25
283B	Plainfield loamy sand, river valley, 1 to 6 percent slopes	NHEL	5	0.15	310	4.00	250	0.58
283C	Plainfield sand, river valley, 6 to 15 percent slopes	NHEL	5	0.15	310	8.00	125	1.11
283D	Plainfield sand, river valley, 12 to 25 percent slopes	HEL	5	0.15	310	16.00	125	3.17

Highly erodible soil mapunit list - Houston County, MN

This data is only to be used for HEL determinations

C=0.07 R=160

This is the "frozen data" based on 01/01/1990 information. The columns of data should only be used for PHEL.

Mapunit

Symbol	Mapunit Name	HELC	T	K	I	slope %	slope l	LS
283F	Plainfield sand, river valley, 15 to 60 percent slopes	HEL	5	0.15	310	40.00	125	14.15
285A	Port Byron silt loam, 0 to 2 percent slopes	NHEL	5	0.32	48	2.00	250	0.26
285B	Port Byron silt loam, 2 to 6 percent slopes	NHEL	5	0.32	48	4.00	200	0.53
285C	Port Byron silt loam, 6 to 12 percent slopes, moderately eroded	HEL	5	0.32	48	9.00	180	1.57
298	Richwood silt loam	NHEL	5	0.28	56	1.00	400	0.20
301B	Lindstrom silt loam, 1 to 6 percent slopes	NHEL	5	0.28	56	4.00	200	0.53
301C	Lindstrom silt loam, 6 to 12 percent slopes	HEL	5	0.28	56	8.00	200	1.40
312B	Shullsburg silt loam, 1 to 6 percent slopes	NHEL	4	0.32	48	4.00	200	0.53
312C	Shullsburg silt loam, 6 to 12 percent slopes	HEL	4	0.32	48	8.00	200	1.40
322TD2	Timula silt loam, terrace, 12 to 20 percent slopes, moderately eroded	HEL	5	0.37	56	16.00	100	2.84
322TE2	Timula silt loam, 20 to 40 percent slopes, moderately eroded	HEL	5	0.37	56	30.00	100	7.95
388C2	Churchtown silt loam, 6 to 12 percent slopes, moderately eroded	HEL	5	0.37	56	8.00	200	1.40
388D2	Churchtown silt loam, 12 to 20 percent slopes, moderately eroded	HEL	5	0.37	56	16.00	200	4.01
388E	Churchtown silt loam, 20 to 30 percent slopes, moderately eroded	HEL	5	0.37	56	25.00	200	8.33
388F	Seaton loam, valleys, 30 to 45 percent slopes	HEL	5	0.37	56	38.00	200	16.50
401B	Mt. Carroll silt loam, 2 to 6 percent slopes, moderately eroded	NHEL	5	0.32	48	4.00	200	0.53
401C	Mt. Carroll silt loam, 6 to 12 percent slopes, moderately eroded	HEL	5	0.32	48	8.00	150	1.21
401D	Mt. Carroll silt loam, 12 to 20 percent slopes, moderately eroded	HEL	5	0.32	48	16.00	150	3.50
455A	Festina silt loam, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	300	0.18
455B	Festina silt loam, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	200	0.53
455C2	Festina silt loam, 6 to 12 percent slopes, eroded	HEL	5	0.28	48	8.00	100	0.99
457E	Lacrescent flaggy silt loam, 20 to 35 percent slopes	HEL	3	0.20	38	30.00	150	9.74
457G	Lacrescent cobbly silty clay loam, 45 to 70 percent slopes	HEL	3	0.20	38	55.00	200	28.97
463	Minneiska fine sandy loam, occasionally flooded	NHEL	5	0.20	86	1.00	200	0.16
471	Root silt loam	NHEL	4	0.32	56	2.00	200	0.25
476B	Frankville silt loam, 3 to 6 percent slopes	NHEL	4	0.32	48	4.00	200	0.53
476C2	Frankville silt loam, 6 to 12 percent slopes, eroded	HEL	4	0.37	48	8.00	100	0.99
476D	Frankville silt loam, 12 to 20 percent slopes	HEL	4	0.32	48	16.00	130	3.24
477	Littleton silt loam	NHEL	5	0.32	48	1.00	400	0.20
484D	Eyota sandy loam, 12 to 20 percent slopes	HEL	5	0.20	86	16.00	100	2.84
488G	Brodale cobbly fine sandy loam, rocky, 45 to 70 percent slopes	HEL	5	0.17	134	60.00	200	32.74
492B	Nasset silt loam, 3 to 6 percent slopes	NHEL	4	0.28	48	4.00	200	0.53

Highly erodible soil mapunit list - Houston County, MN

This data is only to be used for HEL determinations

C=0.07 R=160

This is the "frozen data" based on 01/01/1990 information. The columns of data should only be used for PHEL.

Mapunit

Symbol	Mapunit Name	HELC	T	K	I	slope %	slope l	LS
492C	Nasset silt loam, 6 to 12 percent slopes	HEL	4	0.32	48	8.00	150	1.21
500C2	Edmund silt loam, 4 to 12 percent slopes, eroded	HEL	2	0.28	48	8.00	100	0.99
500D2	Edmund silt loam, 12 to 20 percent slopes, eroded	HEL	2	0.28	48	16.00	100	2.84
518	Kalmarville silty clay loam, occasionally flooded	NHEL	5	0.28	38	1.00	100	0.13
522	Boots mucky peat	NHEL	5	0.02	56	1.00	200	0.16
576	Newalbin silt loam	NHEL	5	0.32	56	1.00	300	0.18
577	Newalbin silt loam, channeled	NHEL	5	0.32	56	1.00	300	0.18
578	Newalbin silt loam, depressional	NHEL	5	0.32	56	1.00	300	0.18
580B	Blackhammer-Southridge silt loams, 3 to 6 percent slopes	NHEL	5	0.37	56	4.00	200	0.53
580C2	Blackhammer-Southridge silt loams, 6 to 12 percent slopes, eroded	HEL	5	0.37	56	9.00	180	1.57
580D2	Blackhammer-Southridge silt loams, 12 to 20 percent slopes, eroded	HEL	5	0.37	56	16.00	130	3.24
584F	Lamoille-Dorerton silt loams, 30 to 45 percent slopes	HEL	3	0.32	56	38.00	130	13.30
585C	Newhouse-Valton silt loams, 6 to 12 percent slopes	HEL	4	0.32	56	8.00	130	1.13
585D	Newhouse-Valton silt loams, 12 to 20 percent slopes	HEL	4	0.32	56	16.00	150	3.48
586C2	Nodine-Rollingstone silt loams, 4 to 12 percent slopes, eroded	HEL	5	0.43	48	8.00	200	1.40
586D2	Nodine-Rollingstone silt loams, 12 to 20 percent slopes, eroded	HEL	5	0.37	48	16.00	180	3.81
592E	Lamoille-Elbaville silt loams, 20 to 30 percent slopes	HEL	4	0.32	56	25.00	130	6.72
593F	Elbaville silt loam, 30 to 45 percent slopes	HEL	4	0.32	56	38.00	200	16.50
598B	Beavercreek-Arenzville complex, 1 to 12 percent slopes	NHEL	5	0.37	56	6.00	100	0.67
599E2	Norden silt loam, 20 to 30 percent slopes, moderately eroded	HEL	4	0.32	56	22.00	150	5.84
599F	Norden silt loam, 30 to 45 percent slopes	HEL	4	0.32	56	40.00	150	15.50
601D2	Council fine sandy loam, 12 to 20 percent slopes, eroded	HEL	5	0.24	86	16.00	200	4.01
601E	Council sandy loam, 20 to 30 percent slopes	HEL	5	0.24	86	25.00	200	8.33
604	Huntsville-Beavercreek silt loams, channeled	NHEL	5	0.24	56	3.00	100	0.30
605D2	La Farge silt loam, 12 to 20 percent slopes, eroded	HEL	4	0.37	56	16.00	130	3.24
606	Shiloh silty clay, ponded	NHEL	5	0.28	86	1.00	100	0.13
608	Rawles silt loam, occasionally flooded	NHEL	5	0.32	86	1.00	600	0.22
879B	Newalbin-Palms complex, 2 to 8 percent slopes	NHEL	2	0.02	134	1.00	300	0.18
1010	Riverwash							
1013	Pits, quarries							
1016	Udorthents, loamy	NHEL	5	0.24	86	1.00	130	0.15
1812	Terril loam, sandy substratum	NHEL	5	0.24	48	3.00	200	0.39

Highly erodible soil mapunit list - Houston County, MN

This data is only to be used for HEL determinations

C=0.07 R=160

This is the "frozen data" based on 01/01/1990 information. The columns of data should only be used for PHEL.

Mapunit

Symbol	Mapunit Name	HELC	T	K	I	slope %	slope l	LS
1822B	Abscota variant sand, 2 to 6 percent slopes	NHEL	5	0.15	310	4.00	100	0.40
1830	Eitzen silt loam, occasionally flooded	NHEL	5	0.28	48	3.00	200	0.39
1838	Colo silt loam, overwash	NHEL	5	0.28	48	1.00	400	0.20
1847	Kalmarville fine sandy loam, channeled	NHEL	5	0.20	86	1.00	100	0.13
1856D	Plainfield loamy fine sand, loamy substratum, 12 to 25 percent slopes	HEL	5	0.17	134	18.00	140	4.06
1856E	Plainfield loamy fine sand, loamy substratum, 25 to 50 percent slopes	HEL	5	0.17	134	40.00	100	12.65
1857B	Eitzen silt loam, 1 to 6 percent slopes, channeled	NHEL	5	0.28	48	4.00	100	0.40
1858F	Timula-Lamont complex, 20 to 40 percent slopes, moderately eroded	HEL	4	0.24	86	50.00	130	20.32
1860	Comfrey silty clay loam, channeled	NHEL	5	0.28	38	1.00	300	0.18
1861B	Chaseburg silt loam, 2 to 6 percent slopes, channeled	NHEL	5	0.37	56	4.00	100	0.40
1862	Zwingle variant silty clay	NHEL	3	0.32	86	1.00	300	0.18
1885	Abscota loamy sand, occasionally flooded	NHEL	5	0.17	134	1.00	100	0.13
1886	Minneiska variant loamy fine sand	NHEL	5	0.17	134	3.00	300	0.46
1888	Moundprairie silty clay loam, occasionally flooded	NHEL	5	0.32	86	1.00	400	0.20
1889	Moundprairie silty clay loam, depressional	NHEL	5	0.32	86	1.00	400	0.20
1890	Walford silt loam	NHEL	5	0.32	48	1.00	400	0.20
1893C	Beavercreek variant silt loam, 3 to 8 percent slopes	NHEL	4	0.28	56	5.00	100	0.52
1898F	Etter-Brodale complex, rocky, 25 to 50 percent slopes	HEL	5	0.17	86	40.00	100	12.65
1906D	Lindstrom loam, 12 to 20 percent slopes	HEL	5	0.28	56	16.00	180	3.81
M-W	Water, miscellaneous							
W	Water							