

Highly erodible soil mapunit list - Rice County, MN

This data is only to be used for HEL determinations

C=0.10 R=140

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Mapunit

Symbol	Mapunit Name	HELC	T	K	I	slope %	slope I	LS
4D	RENOVA LOAM, 12 TO 18 PERCENT SLOPES	HEL	5	0.32	48	14.00	100	2.30
4E	RENOVA LOAM, 18 TO 30 PERCENT SLOPES	HEL	5	0.32	48	25.00	100	5.91
17	MINNEOPA SANDY LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED	NHEL	5	0.20	86	1.00	250	0.17
24	KASSON SILT LOAM, 1 TO 3 PERCENT SLOPES	NHEL	5	0.32	56	2.00	200	0.25
39A	Wadena loam, 0 to 2 percent slopes	NHEL	4	0.28	48	1.00	200	0.16
41A	ESTHERVILLE SANDY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	3	0.20	86	1.00	250	0.17
41B	Estherville sandy loam, 2 to 6 percent slopes	NHEL	3	0.20	86	4.00	150	0.47
44	ANKENY SANDY LOAM, 0 TO 3 PERCENT SLOPES	NHEL	5	0.20	86	1.00	250	0.17
74B	DICKINSON FINE SANDY LOAM, 1 TO 6 PERCENT SLOPES	NHEL	4	0.20	86	3.00	100	0.30
81B	BOONE LOAMY FINE SAND, 1 TO 6 PERCENT SLOPES	NHEL	4	0.17	134	4.00	130	0.44
81D	BOONE LOAMY FINE SAND, 6 TO 18 PERCENT SLOPES	HEL	4	0.17	134	12.00	125	2.02
81E	BOONE LOAMY FINE SAND, 18 TO 25 PERCENT SLOPES	HEL	4	0.17	134	22.00	100	4.79
98	Colo silty clay loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	38	1.00	300	0.18
99D2	RACINE LOAM, 12 TO 18 PERCENT SLOPES, ERODED	HEL	5	0.28	48	14.00	100	2.30
100A	COPASTON SANDY CLAY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	2	0.28	56	1.00	100	0.13
1002B	Clarion loam, 2 to 6 percent slopes	NHEL	5	0.24	48	3.00	125	0.32
104B	Hayden loam, 2 to 6 percent slopes	NHEL	5	0.32	56	4.00	130	0.44
104C2	Hayden loam, 6 to 10 percent slopes, moderately eroded	HEL	5	0.32	56	8.00	130	1.13
104D2	Hayden loam, 10 to 22 percent slopes, moderately eroded	HEL	5	0.32	56	14.00	125	2.55
104E	Hayden loam, 22 to 40 percent slopes	HEL	5	0.32	56	22.00	100	4.79
106C2	Lester loam, 6 to 10 percent slopes, moderately eroded	HEL	5	0.28	48	8.00	125	1.10
106D2	Lester loam, 10 to 16 percent slopes, moderately eroded	HEL	5	0.28	56	14.00	125	2.55
106E	Lester loam, 16 to 22 percent slopes	HEL	5	0.28	48	22.00	100	4.79
109	Cordova clay loam, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	200	0.16
113	WEBSTER CLAY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	5	0.24	48	1.00	300	0.18
114	Glencoe clay loam, 0 to 1 percent slopes	NHEL	5	0.28	48	1.00	300	0.18
130	NICOLLET CLAY LOAM, 1 TO 3 PERCENT SLOPES	NHEL	5	0.24	48	2.00	150	0.23
134	Okoboji silty clay loam, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	300	0.18
138B	LERDAL CLAY LOAM, 2 TO 6 PERCENT SLOPES	PHEL	5	0.37	48	4.00	130	0.44
138C	LERDAL CLAY LOAM, 6 TO 12 PERCENT SLOPES	HEL	5	0.37	48	8.00	130	1.13
176	GARWIN SILT LOAM, 0 TO 2 PERCENT SLOPES	NHEL	5	0.28	48	1.00	200	0.16
208	KATO SILTY CLAY LOAM, 0 TO 1 PERCENT SLOPES	NHEL	4	0.28	38	1.00	300	0.18

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213B	Klinger silty clay loam, 1 to 4 percent slopes	NHEL	5	0.28	38	2.00	225	0.26
219	Rolfe silt loam, 0 to 1 percent slopes	NHEL	5	0.37	48	1.00	125	0.14
238B	Kilkenny clay loam, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	150	0.47
238C2	Kilkenny clay loam, 6 to 10 percent slopes, moderately eroded	HEL	5	0.28	48	8.00	130	1.13
238D2	Kilkenny clay loam, 10 to 16 percent slopes, moderately eroded	HEL	5	0.28	48	14.00	120	2.52
238E	Kilkenny clay loam, 16 to 30 percent slopes	HEL	5	0.28	48	22.00	100	4.79
239	Le Sueur loam, 1 to 3 percent slopes	NHEL	5	0.24	48	2.00	300	0.28
253	MAXCREEK SILTY CLAY LOAM, 0 TO 1 PERCENT SLOPES	NHEL	5	0.28	38	1.00	300	0.18
256	MAZASKA CLAY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	5	0.32	86	1.00	250	0.17
285A	Port Byron silt loam, 0 to 2 percent slopes	NHEL	5	0.32	48	1.00	200	0.16
285B	Port Byron silt loam, 2 to 6 percent slopes	NHEL	5	0.32	48	4.00	200	0.53
301B	LINDSTROM SILT LOAM, 2 TO 6 PERCENT SLOPES	NHEL	5	0.28	56	4.00	125	0.44
301C	LINDSTROM SILT LOAM, 6 TO 12 PERCENT SLOPES	HEL	5	0.28	56	8.00	200	1.41
307	SARGEANT SILT LOAM, 0 TO 2 PERCENT SLOPES	NHEL	5	0.37	48	1.00	250	0.17
323	SHIELDS SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	5	0.43	86	1.00	150	0.15
376B	MOLAND SILT LOAM, 1 TO 4 PERCENT SLOPES	NHEL	5	0.32	48	3.00	150	0.35
377	MERTON SILT LOAM, 1 TO 3 PERCENT SLOPES	NHEL	5	0.32	48	2.00	225	0.26
378	Maxfield silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	38	1.00	300	0.18
382B	BLOOMING SILT LOAM, 2 TO 6 PERCENT SLOPES	NHEL	5	0.32	48	4.00	150	0.47
382C2	BLOOMING SILT LOAM, 6 TO 12 PERCENT SLOPES, ERODED	HEL	5	0.32	48	8.00	130	1.13
392	BISCAY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	4	0.28	48	1.00	200	0.16
408	FAXON CLAY LOAM, 0 TO 1 PERCENT SLOPES	NHEL	4	0.28	48	1.00	200	0.16
411A	WAUKEGAN SILT LOAM, 0 TO 2 PERCENT SLOPES	NHEL	4	0.32	48	1.00	200	0.16
411B	WAUKEGAN SILT LOAM, 2 TO 6 PERCENT SLOPES	NHEL	4	0.32	48	4.00	200	0.53
414	Hamel loam, 0 to 2 percent slopes	NHEL	5	0.28	48	2.00	200	0.25
463A	MINNEISKA FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	NHEL	5	0.28	86	1.00	250	0.17
484D	EYOTA FINE SANDY LOAM, 12 TO 18 PERCENT SLOPES	HEL	5	0.20	86	15.00	130	2.92
523	Houghton muck, 0 to 1 percent slopes	NHEL	5	0.02	134	1.00	200	0.16
525	Muskego soils, 0 to 1 percent slopes	NHEL	4	0.10	134	1.00	200	0.16
528B	KLOSSNER MUCK, SEEP LAND, 1 TO 6 PERCENT SLOPES	NHEL	5	0.02	134	3.00	200	0.39
529A	RIPON SILT LOAM, 0 TO 2 PERCENT SLOPES	NHEL	4	0.32	56	1.00	200	0.16

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529B	RIPON SILT LOAM, 2 TO 6 PERCENT SLOPES	NHEL	4	0.32	56	4.00	200	0.53
548	MEDO MUCK, DEPRESSIONAL, 0 TO 1 PERCENT SLOPES	NHEL	5	0.02	134	1.00	200	0.16
572	LOWLEIN SANDY LOAM, 1 TO 5 PERCENT SLOPES	NHEL	5	0.28	86	3.00	150	0.35
611D	Hawick gravelly sandy loam, 12 to 20 percent slopes	HEL	2	0.20	86	22.00	100	4.79
757	NERWOODS LOAM, 2 TO 6 PERCENT SLOPES	NHEL	5	0.28	48	4.00	225	0.55
761	EPSOM SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED	NHEL	5	0.28	38	1.00	200	0.16
764	KLOSSNER MUCK, 0 TO 1 PERCENT SLOPES, FLOODED	NHEL	5	0.02	134	1.00	200	0.16
783C2	Lester-Kilkenny complex, 6 to 10 percent slopes, moderately eroded	HEL	5	0.32	48	8.00	130	1.13
783D2	Lester-Kilkenny complex, 10 to 16 percent slopes, moderately eroded	HEL	5	0.32	48	14.00	120	2.52
783E	Lester-Kilkenny complex, 16 to 22 percent slopes	HEL	5	0.32	48	22.00	100	4.79
783F	Lester-Kilkenny complex, 22 to 40 percent slopes	HEL	5	0.32	48	30.00	100	7.98
849B	URBAN LAND-ESTHERVILLE COMPLEX, 1 TO 6 PERCENT SLOPES	NHEL	3	0.20	86	4.00	150	0.47
860C	URBAN LAND-HAYDEN COMPLEX, 6 TO 15 PERCENT SLOPES	HEL	5	0.32	56	8.00	130	1.13
875B	HAWICK-ESTHERVILLE COMPLEX, 2 TO 6 PERCENT SLOPES	NHEL	2	0.20	86	4.00	150	0.47
875C	HAWICK-ESTHERVILLE COMPLEX, 6 TO 12 PERCENT SLOPES	HEL	2	0.20	86	8.00	125	1.10
945C2	Lester-Storden complex, 6 to 10 percent slopes, moderately eroded	HEL	5	0.28	86	8.00	125	1.10
945D2	Lester-Storden complex, 10 to 16 percent slopes, moderately eroded	HEL	5	0.28	86	14.00	100	2.30
963C2	TIMULA-BOLD COMPLEX, 6 TO 12 PERCENT SLOPES, ERODED	HEL	5	0.37	86	8.00	125	1.10
963D2	TIMULA-BOLD COMPLEX, 12 TO 18 PERCENT SLOPES, ERODED	HEL	5	0.37	86	14.00	100	2.30
1003	Anthroportic Udorthents-Pits-Dumps complex, abandoned, 2 to 45 percent slopes	NHEL	5	0.15	220	10.00	50	0.44
1010	Pits, limestone quarry	NHEL	5	0.15	220	10.00	50	0.44
1016	UDORTHENTS, LOAMY (CUT AND FILL LAND)	NHEL	5	0.24	86	1.00	130	0.14
1030	Pits, sand and gravel	NHEL	5	0.15	220	10.00	50	0.44
1058	Muskego and Houghton soils, 0 to 1 percent slopes	NHEL	4	0.02	134	1.00	200	0.16
1078	Anthroportic Udorthents, 2 to 9 percent slopes							
1080	Klossner, Okoboji, and Glencoe soils, ponded, 0 to 1 percent slopes	NHEL	5	0.02	134	1.00	200	0.16
1116F	BRODALE-EYOTA COMPLEX, 12 TO 35 PERCENT SLOPES	HEL	5	0.20	134	30.00	100	7.98
1286	PRINSBURG SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	5	0.32	86	1.00	200	0.16
1356	WATER, MISCELLANEOUS							
1360	RUSHRIVER FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES, FREQUENTLY FLOODED	NHEL	5	0.20	86	1.00	200	0.16
1361	LE SUEUR LOAM, MODERATELY COARSE SUBSTRATUM, 1 TO 3 PERCENT SLOPES	NHEL	5	0.28	48	2.00	300	0.28

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1362B	Angus loam, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	125	0.44
1363	DUNDAS SILT LOAM, MODERATELY COARSE SUBSTRATUM, 0 TO 2 PERCENT SLOPES	NHEL	5	0.28	48	1.00	200	0.16
1366	TALCOT SILTY CLAY LOAM, 0 TO 1 PERCENT SLOPES	NHEL	5	0.32	86	1.00	200	0.16
1367	DERRYANE CLAY LOAM, 1 TO 3 PERCENT SLOPES	NHEL	5	0.32	86	1.00	200	0.16
1387A	Collinwood silty clay loam, 1 to 3 percent slopes	NHEL	5	0.37	86	2.00	150	0.23
1388B	Terril loam, 2 to 6 percent slopes	NHEL	5	0.24	48	4.00	150	0.47
1408B	ANGUS-KILKENNY COMPLEX, 2 TO 6 PERCENT SLOPES	NHEL	5	0.32	48	4.00	150	0.47
1409A	Marquis silt loam, 1 to 3 percent slopes	NHEL	5	0.32	48	2.00	225	0.26
1409B	Marquis silt loam, 2 to 6 percent slopes	NHEL	5	0.32	48	4.00	150	0.47
1410B	RACINE SILT LOAM, MODERATELY WET, 2 TO 6 PERCENT SLOPES	NHEL	5	0.37	48	4.00	200	0.53
1410C	RACINE SILT LOAM, MODERATELY WET, 6 TO 12 PERCENT SLOPES, ERODED	HEL	5	0.37	48	8.00	125	1.10
1411B	URBAN LAND-HAYDEN-ESTHERVILLE COMPLEX, 1 TO 6 PERCENT SLOPES	NHEL	3	0.32	86	4.00	150	0.44
1413B	LITTLETON SILT LOAM, TILL SUBSTRATUM, 1 TO 4 PERCENT SLOPES	NHEL	5	0.28	48	2.00	200	0.25
1416C	RENOVA LOAM, MODERATELY WET, 6 TO 12 PERCENT SLOPES	HEL	5	0.32	48	8.00	125	1.10
1437B	RENOVA SILT LOAM, MODERATELY WET, 2 TO 6 PERCENT SLOPES	NHEL	5	0.32	48	4.00	200	0.53
1501	Klossner muck, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
1831	Colo silt loam, channeled, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.24	48	1.00	200	0.16
1962	MAZASKA-ROLFE COMPLEX, 0 TO 2 PERCENT SLOPES	NHEL	5	0.37	86	1.00	125	0.14
W	Water							
WL	Water, waste lagoon							