

Highly Erodible Soil Map Unit List - **MORRISON COUNTY, MN**

C=.12

R=120

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musym	muname	HEL	T	K	I	slope_%	slope_l	LS
12C	Emmert gravelly loamy sand, 6 to 12 percent slopes	PHEL	2	0.10	0	9	125	1.35
12D	Emmert gravelly loamy sand, 12 to 40 percent slopes	HEL	2	.10	0	26	100	6.20
25	Becker fine sandy loam	NHEL	4	.20	86	2	100	0.20
119B	Pomroy loamy fine sand, 1 to 6 percent slopes	NHEL	4	.15	134	3	125	0.30
119C	Pomroy loamy fine sand, 6 to 12 percent slopes	PHEL	4	.15	134	9	125	1.35
142	Nokay loam	NHEL	4	.32	86	1	150	0.15
144B	Flak sandy loam, 4 to 8 percent slopes	PHEL	4	.28	86	6	150	0.82
144C	Flak sandy loam, 8 to 15 percent slopes	HEL	4	.28	86	12	150	2.20
144E	Flak sandy loam, 15 to 25 percent slopes	HEL	4	.28	86	20	100	4.00
152B	Milaca fine sandy loam, 4 to 8 percent slopes	PHEL	4	.28	86	6	150	0.82
152C	Milaca fine sandy loam, 8 to 15 percent slopes	HEL	4	.28	86	12	150	2.20
155B	Chetek sandy loam, 2 to 8 percent slopes	PHEL	3	.24	86	5	125	0.60
155C	Chetek sandy loam, 8 to 15 percent slopes	PHEL	3	.24	86	12	125	2.10
158B	Zimmerman loamy fine sand, 1 to 4 percent slopes	NHEL	5	.17	220	2	125	0.22
161	Isanti fine sandy loam	NHEL	5	0.17	86	1	150	0.15
163B	Brainerd sandy loam, 1 to 4 percent slopes	NHEL	4	.28	86	3	150	0.32
164B	Mora fine sandy loam, 1 to 4 percent slopes	NHEL	4	.28	86	3	150	0.32
165	Parent loam	NHEL	4	.32	48	1	150	0.15
166	Ronneby loam	NHEL	4	0.32	56	1	150	0.15
182A	Oesterle sandy loam, 0 to 1 percent slopes	NHEL	4	.24	86	1	150	0.15
182B	Oesterle sandy loam, 1 to 3 percent slopes	NHEL	4	.24	86	2	125	0.22
200B	Holdingford sandy loam, 4 to 8 percent slopes	NHEL	5	.24	86	6	125	0.76
200C	Holdingford sandy loam, 8 to 15 percent slopes	PHEL	5	.24	86	12	125	2.00
202	Meehan loamy sand	NHEL	5	.17	134	1	125	0.14
204B	Cushing fine sandy loam, 4 to 8 percent slopes	NHEL	5	.24	86	6	125	0.76
204C	Cushing fine sandy loam, 8 to 15 percent slopes	PHEL	5	.24	86	12	125	2.00
204E	Cushing fine sandy loam, 15 to 25 percent slopes	HEL	5	.24	86	20	100	4.00
217	Nokasippi mucky loamy fine sand	NHEL	4	.17	134	1	125	0.14
218	Watab loamy fine sand	NHEL	4	.17	134	2	150	0.23

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musym	muname	HELC	T	K	I	slope_%	slope_l	LS
233A	Growton sandy loam, 0 to 2 percent slopes	NHEL	5	.24	86	1	150	0.15
233B	Growton sandy loam, 2 to 4 percent slopes	NHEL	5	.24	86	3	150	0.32
260	Duelm loamy sand	NHEL	5	.17	134	2	150	0.23
261	Isan-Isan, frequently ponded, complex, 0 to 2 percent slopes	NHEL	5	0.17	86	1	150	0.15
265	Soderville loamy fine sand	NHEL	5	.15	134	1	125	0.14
292	Alstad loam	NHEL	5	0.37	56	1	150	0.15
302B	Rosholt silt loam, 1 to 4 percent slopes	NHEL	4	.32	56	2	125	0.22
325	Prebish loam	NHEL	5	.28	48	1	150	0.15
328B	Sartell loamy fine sand, 1 to 6 percent slopes	NHEL	5	.15	134	3	125	0.30
328C	Sartell loamy fine sand, 6 to 12 percent slopes	NHEL	5	.15	134	9	125	1.35
337	Warman loam	NHEL	4	.24	56	1	125	0.14
341A	Arvilla sandy loam, 0 to 2 percent slopes	NHEL	3	.20	86	1	125	0.14
341B	Arvilla sandy loam, 2 to 6 percent slopes	NHEL	3	.20	86	4	125	0.44
375	Forada loam	NHEL	4	.24	56	1	125	0.14
413	Osakis loam	NHEL	3	.28	56	2	125	0.22
454B	Mahtomedi loamy sand, 2 to 8 percent slopes	NHEL	5	.15	134	5	125	0.60
454C	Mahtomedi loamy sand, 8 to 15 percent slopes	PHEL	5	.15	134	12	125	2.10
454E	Mahtomedi loamy sand, 15 to 25 percent slopes	HEL	5	.15	134	20	125	4.50
454F	Mahtomedi loamy sand, 25 to 45 percent slopes	HEL	5	.15	134	35	100	11.00
458A	Menahga loamy sand, 0 to 2 percent slopes	NHEL	5	.15	134	1	125	0.14
458B	Menahga loamy sand, 2 to 8 percent slopes	NHEL	5	.15	134	5	125	0.60
458C	Menahga loamy sand, 8 to 15 percent slopes	PHEL	5	.15	134	12	125	2.10
458E	Menahga loamy sand, 15 to 25 percent slopes	HEL	5	.15	134	20	125	4.50
458F	Menahga loamy sand, 25 to 45 percent slopes	HEL	5	.15	134	35	100	11.00
540	Seelyeville muck	NHEL	5	0.00	134	1	150	0.15
541	Rifle muck	NHEL	5	0.00	134	1	150	0.15
543	Markey muck	NHEL	4	0.00	134	1	150	0.15
544	Cathro muck	NHEL	5	0.00	134	1	150	0.15
549	Greenwood-Greenwood, ponded, complex, 0 to 1 percent slopes	NHEL	5	0.00	38	1	150	0.15

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623A	Pierz sandy loam, 0 to 2 percent slopes	NHEL	4	.20	86	1	150	0.15
623B	Pierz sandy loam, 2 to 6 percent slopes	NHEL	4	.20	86	4	125	0.44
835	Brainerd-Rock outcrop complex	NHEL	4	0.28	86	3	150	0.32
928B	Cushing-Mahtomedi-DeMontreville complex, 2 to 8 percent slopes	NHEL	5	.24	86	5	125	0.60
928C	Cushing-Mahtomedi-DeMontreville complex, 8 to 15 percent slopes	PHEL	5	.24	86	5	125	0.60
928E	Cushing-Mahtomedi-DeMontreville complex, 15 to 25 percent slopes	HEL	5	.24	86	5	100	0.54
928F	Cushing-Mahtomedi-DeMontreville complex, 25 to 45 percent slopes	HEL	5	.24	86	5	100	0.54
1015	Psamments, nearly level	NHEL						
1016	Udorthents, loamy	NHEL	5	.24	0	0	0	0.00
1030	Pits, gravel-Udorthents complex	NHEL						
1934	Bowstring muck	NHEL	5	0.00	0	1	150	0.15
1946	Fordum-Winterfield complex	NHEL	4	.28	134	1	100	0.13
1973	Meehan-Isan complex	NHEL	5	.17	134	1	125	0.14
1976B	Brainerd sandy loam, 1 to 4 percent slopes, extremely stony	NHEL	4	0.20	0	3	150	0.32
1978	Nokay loam, extremely stony	NHEL	4	0.24	0	1	150	0.15
1979	Parent loam, extremely stony	NHEL	4	0.28	0	1	150	0.15
1998	Warman variant silty clay loam	NHEL	5	.24	86	1	150	0.15
C1C	Milaca-Brennyville complex, 1 to 7 percent slopes, stony	NHEL						
C4A	Cebana-Giese, frequently ponded-Ronneby complex, 0 to 3 percent slopes, stony	NHEL						
C9B	Mora-Ronneby complex, 1 to 4 percent slopes, stony	NHEL	4	0.20	0	3	150	0.32
C10B	Brennyville-Freer complex, 1 to 4 percent slopes, stony	NHEL						
C28A	Cathro-Twig, stony complex, 0 to 1 percent slopes, frequently ponded	NHEL						
C71C	Milaca-Mora complex, 1 to 7 percent slopes, stony	NHEL						
C72D	Milaca-Millward complex, 2 to 20 percent slopes, stony	PHEL	4	.28	86	6	150	0.82
C73C	Milaca loam, 1 to 7 percent slopes, stony	NHEL						
C75A	Seelyeville, occasionally ponded-Cathro, frequently ponded, complex, 0 to 1 percent slopes	NHEL						
C101A	Greenwood mucky peat, 0 to 1 percent slopes	NHEL						
C104A	Cathro, frequently ponded-Seelyeville, occasionally ponded-Greenwood complex	NHEL						
C126A	Cebana-Giese, frequently ponded-Freer complex, 0 to 3 percent slopes, stony	NHEL						

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C158	Rifle mucky peat, 0 to 1 percent slopes, occasionally ponded	NHEL						
C211	Bowstring muck and Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded	NHEL						
D67A	Hubbard loamy sand, Mississippi River Valley, 0 to 2 percent slopes	NHEL	5	.15	134	1	150	0.15
D67B	Hubbard loamy sand, Mississippi River Valley, 2 to 6 percent slopes	NHEL	5	.15	134	4	125	0.44
D73A	Meehan loamy sand, 0 to 3 percent slopes	NHEL						
D87A	Rifle-Rifle, ponded, complex, 0 to 1 percent slopes	NHEL						
D111A	Markey muck, occasionally ponded, 0 to 1 percent slopes	NHEL						
D458B	Menahga loamy sand, 1 to 8 percent slopes	NHEL						
D458C	Menahga loamy sand, 8 to 15 percent slopes	PHEL	5	.15	134	12	125	2.10
D458E	Menahga loamy sand, 15 to 30 percent slopes	HEL	5	.15	134	20	125	4.50
D540	Seelyeville-Seelyeville, ponded, complex, 0 to 1 percent slopes	NHEL						
D544	Cathro muck, occasionally ponded, 0 to 1 percent slopes	NHEL						
M-W	Water, miscellaneous	NHEL						
W	Water	NHEL						