

Highly Erodible Soil Map Unit List - ISANTI COUNTY, MN

C=.10

R=130

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musym	muname	HELC	T	K	I	slope_%	slope_l	LS
120	Brill silt loam	PHEL	4	0.37	56	4.0	100	0.40
302	Rosholt fine sandy loam	PHEL	4	0.37	56	6.0	80	0.60
541	Rifle and Seelyeville soils	NHEL	3	0.00	56	0.2	80	0.08
543	Markey muck	NHEL	4	0.00	134	0.2	80	0.08
544	Cathro muck	NHEL	5	0.00	134	0.2	80	0.08
683	Chetek loamy sand, moderately wet	NHEL	4	0.17	134	1.0	80	0.12
686	Anigon very fine sandy loam	PHEL	4	0.37	56	4.0	100	0.40
730B	Sanburn fine sandy loam, 2 to 7 percent slopes	NHEL	3	0.24	86	4.0	80	0.37
730C	Sanburn fine sandy loam, 7 to 12 percent slopes, moderately eroded	PHEL	3	0.24	86	10.0	80	1.20
730D	Sanburn fine sandy loam, 7 to 18 percent slopes	PHEL	3	0.24	86	12.0	80	1.60
730E	Sanburn fine sandy loam, 12 to 25 percent slopes, severely eroded	HEL	3	0.24	86	20.0	80	3.50
1030	Pits, gravel-Udipsammments complex	NHEL	2	0.17	0	4.0	80	0.37
1253B	Stonelake-Sanburn complex, 2 to 7 percent slopes	NHEL	2	0.17	0	4.0	80	0.37
1253D	Stonelake-Sanburn complex, 7 to 18 percent slopes	PHEL	2	0.17	0	12.0	80	1.60
1253D2	Stonelake-Sanburn complex, 7 to 18 percent slopes, moderately eroded	PHEL	2	0.17	0	12.0	80	1.60
1253E3	Stonelake-Sanburn complex, 12 to 25 percent slopes, severely eroded	HEL	2	0.17	0	20.0	80	3.50
1255	Elkriver loam, occasionally flooded	NHEL	5	0.32	56	1.0	80	0.12
A	Alluvial land, well drained	NHEL	0	0.17	134	-	-	0.00
Ad	Adolph silty clay loam	NHEL	5	0.28	38	0.2	80	0.08
Aw	Alluvial land, poorly drained	NHEL	0	0.00	0	0.0	0.00	0.00
B	Hayden silt loam, 2 to 7 percent slopes	NHEL	5	0.32	56	4.0	80	0.37
Bc	Bluffton loam and silty clay loam	NHEL	5	0.28	56	0.2	80	0.08
Bd	Hayden silt loam, 7 to 12 percent slopes, moderately eroded	PHEL	5	0.32	56	10.0	80	1.20
Bk	Brickton silt loam	NHEL	3	0.43	48	1.0	100	0.12
Bp	Hayden silt loam, 7 to 12 percent slopes	PHEL	5	0.32	56	10.0	80	1.20
Br	Hayden silt loam, 12 to 18 percent slopes	HEL	5	0.32	56	16.0	80	2.60
Bu	Hayden silt loam, 2 to 7 percent slopes, moderately eroded	NHEL	5	0.32	56	4.0	80	0.37
Bv	Brickton silt loam, clayey subsoil variant	NHEL	3	0.43	48	1.0	100	0.12
Bx	Hayden silt loam, 12 to 18 percent slopes, moderately eroded	HEL	5	0.32	56	16.0	80	2.60
C	Chetek loamy sand, 2 to 7 percent slopes	NHEL	2	0.24	86	4.0	80	0.37
C1C	Milaca-Brennyville complex, 1 to 7 percent slopes, stony	NHEL						
C10B	Brennyville-Freer complex, 1 to 4 percent slopes, stony	NHEL						

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C28A	Cathro-Twig, stony complex, 0 to 1 percent slopes, frequently ponded	NHEL						
C72D	Milaca-Millward complex, 2 to 20 percent slopes, stony	PHEL	3	0.24	86	12.0	80	1.60
C73C	Milaca loam, 1 to 7 percent slopes, stony	NHEL						
C75A	Seelyeville, occasionally ponded-Cathro, frequently ponded, complex, 0 to 1 percent slopes	NHEL						
C126A	Cebana-Giese, frequently ponded-Freer complex, 0 to 3 percent slopes, stony	NHEL						
C211	Bowstring muck and Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded	NHEL						
D	Dalbo silt loam, 2 to 7 percent slopes	PHEL	3	0.43	48	4.0	100	0.40
Df	Dalbo fine sandy loam, 2 to 12 percent slopes	PHEL	3	0.28	86	6.0	100	0.67
Dp	Dalbo silt loam, 7 to 12 percent slopes	HEL	3	0.43	48	10.0	100	1.40
Dx	Dalbo silt loam, 12 to 18 percent slopes, moderately eroded	HEL	3	0.43	48	16.0	100	2.80
E	Emmert loamy fine sand, 12 to 25 percent slopes	HEL	2	0.17	134	18.0	80	3.00
Eh	Emmert loamy fine sand, 12 to 25 percent slopes, moderately eroded	HEL	2	0.17	134	18.0	80	3.00
Es	Emmert loamy fine sand, 18 to 25 percent slopes, severely eroded	HEL	2	0.17	134	20.0	80	3.50
F	Freer silt loam	NHEL	4	0.37	56	1.0	80	0.12
G	Anoka loamy fine sand, 0 to 2 percent slopes	NHEL	5	0.17	134	1.0	80	0.12
Gp	Anoka loamy fine sand, 7 to 12 percent slopes	NHEL	5	0.17	134	10.0	80	1.20
Gu	Anoka loamy fine sand, 2 to 7 percent slopes	NHEL	5	0.17	134	4.0	80	0.37
Gy	Anoka loamy fine sand, 7 to 18 percent slopes, moderately eroded	PHEL	5	0.17	134	12.0	80	1.60
H	Hubbard loamy fine sand, 0 to 2 percent slopes	NHEL	5	0.15	134	1.0	80	0.12
Hp	Hubbard loamy fine sand, 7 to 12 percent slopes	NHEL	5	0.15	134	10.0	80	1.20
Hu	Hubbard loamy fine sand, 2 to 7 percent slopes	NHEL	5	0.15	134	4.0	80	0.37
Is	Isanti mucky loamy fine sand	NHEL	5	0.15	134	0.2	80	0.08
L	Lino loamy fine sand	NHEL	5	0.17	134	1.0	80	0.12
M-W	Water, miscellaneous	NHEL						
Md	Milaca fine sandy loam, 7 to 12 percent slopes, moderately eroded	PHEL	4	0.28	86	10.0	80	1.20
Mf	Milaca fine sandy loam, 2 to 7 percent slopes	NHEL	4	0.28	86	4.0	80	0.37
Mn	Milaca fine sandy loam, 7 to 12 percent slopes	PHEL	4	0.28	86	10.0	80	1.20
Mr	Milaca fine sandy loam, 12 to 18 percent slopes	HEL	4	0.28	86	16.0	80	2.60
Ms	Milaca fine sandy loam, 12 to 25 percent slopes, severely eroded	HEL	4	0.28	86	20.0	80	3.50
N	Blomford loamy fine sand	NHEL	5	0.17	134	0.2	80	0.08
Nd	Braham loamy fine sand, 7 to 12 percent slopes, moderately eroded	NHEL	5	0.17	134	10.0	80	1.20
Np	Braham loamy fine sand, 7 to 12 percent slopes	NHEL	5	0.17	134	10.0	80	1.20

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Nu	Braham loamy fine sand, 2 to 7 percent slopes	NHEL	5	0.17	134	4.0	80	0.37
NX	Braham loamy fine sand, 12 to 18 percent slopes, moderately eroded	PHEL	5	0.17	134	16.0	80	2.60
T	Hayden fine sandy loam, 2 to 7 percent slopes	NHEL	5	0.24	86	4.0	80	0.37
Td	Hayden fine sandy loam, 7 to 12 percent slopes, moderately eroded	PHEL	5	0.24	86	10.0	80	1.20
Tp	Hayden fine sandy loam, 7 to 12 percent slopes	PHEL	5	0.24	86	10.0	80	1.20
Tr	Hayden fine sandy loam, 12 to 18 percent slopes	HEL	5	0.24	86	16.0	80	2.60
Tu	Hayden fine sandy loam, 2 to 7 percent slopes, moderately eroded	NHEL	5	0.24	86	4.0	80	0.37
Tx	Hayden fine sandy loam, 12 to 18 percent slopes, moderately eroded	HEL	5	0.24	86	16.0	80	2.60
U	Beach sand	NHEL						
V	Burnsville-Rodman complex, 2 to 7 percent slopes	NHEL	5	0.24	86	4.0	80	0.37
Vd	Burnsville-Rodman complex, 7 to 12 percent slopes, moderately eroded	PHEL	5	0.24	86	10.0	80	1.20
Vx	Burnsville-Rodman complex, 12 to 18 percent slopes, moderately eroded	HEL	5	0.24	86	16.0	80	2.60
W	Water	NHEL						
Wa	Warman sandy loam and loam	NHEL	4	0.24	56	0.2	80	0.08
X	Greenbush silt loam, 0 to 2 percent slopes	NHEL	4	0.37	56	1.0	80	0.12
Xu	Greenbush silt loam, 2 to 7 percent slopes	PHEL	4	0.37	56	4.0	80	0.37
Y	Ames silt loam	NHEL	5	0.37	56	1.0	80	0.12
Ys	Ames fine sandy loam	NHEL	5	0.24	86	1.0	80	0.12
Zf	Zimmerman fine sand, 0 to 2 percent slopes	NHEL	5	0.17	250	1.0	80	0.12
Zh	Zimmerman fine sand, 12 to 18 percent slopes	PHEL	5	0.17	250	16.0	80	2.60
ZL	Rough Broken Land, Zimmerman material	HEL	5	0.24	86	16.0	80	2.60
Zn	Zimmerman fine sand, 7 to 12 percent slopes	NHEL	5	0.17	250	10.0	80	1.20
Zp	Zimmerman loamy fine sand and fine sand, 7 to 12 percent slopes	NHEL	5	0.17	134	10.0	80	1.20
Zr	Zimmerman loamy fine sand and fine sand, 12 to 18 percent slopes	PHEL	5	0.17	134	16.0	80	2.60
Zs	Zimmerman fine sand, 7 to 12 percent slopes, severely eroded	NHEL	5	0.17	250	10.0	80	1.20
Zu	Zimmerman loamy fine sand and fine sand, 2 to 7 percent slopes	NHEL	5	0.17	134	4.0	80	0.37
Zx	Zimmerman fine sand, 12 to 18 percent slopes, moderately eroded	PHEL	5	0.17	250	16.0	80	2.60