

Highly erodible soil mapunit list - Steele County, MN

This data is only to be used for HEL determinations

C=0.09 R=150

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Mapunit

Symbol	Mapunit Name	HELC	T	K	I	slope %	slope l	LS
Ad	ALLUVIAL LAND, OCCASIONALLY FLOODED	NHEL	5	0.18	86	1.00	200	0.16
Af	ALLUVIAL LAND, FREOUENTLY FLOODED	NHEL	5	0.28	38	1.00	200	0.16
Bc	Biscay clay loam, 0 to 2 percent slopes	NHEL	4	0.28	48	1.00	200	0.16
Bd	Biscay clay loam, depressional, 0 to 1 percent slopes	NHEL	4	0.28	48	1.00	300	0.18
BIA	BIXBY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	4	0.32	48	1.00	300	0.18
BIB	BIXBY LOAM, 2 TO 6 PERCENT SLOPES	NHEL	4	0.32	48	4.00	150	0.47
BIB2	BIXBY LOAM, 2 TO 6 PERCENT SLOPES, ERODED	NHEL	4	0.32	48	4.00	150	0.47
BIC2	BIXBY LOAM, 6 TO 12 PERCENT SLOPES, ERODED	HEL	4	0.32	48	8.00	130	1.13
BID2	BIXBY LOAM, 12 TO 18 PERCENT SLOPES, ERODED	HEL	4	0.32	48	14.00	100	2.29
BoB2	BLOOMING SILT LOAM, 2 TO 6 PERCENT SLOPES, ERODED	NHEL	5	0.32	48	4.00	200	0.53
BoC2	BLOOMING SILT LOAM, 6 TO 14 PERCENT SLOPES, ERODED	HEL	5	0.32	48	9.00	150	1.44
BuB	BURNSVILLE SANDY LOAM, 2 TO 6 PERCENT SLOPES	NHEL	3	0.20	86	4.00	100	0.40
BuC	BURNSVILLE SANDY LOAM, 6 TO 12 PERCENT SLOPES	PHEL	3	0.20	86	8.00	100	0.99
Ca	Calco silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	200	0.16
L78A	Canisteo clay loam, 0 to 2 percent slopes	NHEL	5	0.24	86	1.00	300	0.18
Cd	Canisteo clay loam, depressional, 0 to 1 percent slopes	NHEL	5	0.24	86	1.00	300	0.18
Ce	Canisteo clay loam, 0 to 2 percent slopes	NHEL	5	0.24	86	1.00	150	0.15
Cf	Canisteo clay loam, depressional, 0 to 1 percent slopes	NHEL	5	0.24	86	1.00	100	0.13
ChD	CHELSEA LOAMY FINE SAND, 2 TO 18 PERCENT SLOPES	NHEL	5	0.17	134	6.00	150	0.82
CkB2	CLARION SANDY LOAM, 2 TO 6 PERCENT SLOPES, ERODED	NHEL	5	0.20	86	4.00	130	0.44
CIB	CLARION LOAM, 2 TO 6 PERCENT SLOPES	NHEL	5	0.24	48	4.00	125	0.44
CIB2	Clarion loam, 2 to 6 percent slopes, moderately eroded	NHEL	5	0.28	48	4.00	130	0.44
CIC2	Clarion loam, 6 to 10 percent slopes, moderately eroded	PHEL	5	0.28	48	8.00	130	1.13
CsC2	Clarion-Storden complex, 6 to 10 percent slopes, moderately eroded	PHEL	5	0.28	86	8.00	100	0.99
CsD2	Omsrud-Storden complex, 10 to 16 percent slopes, moderately eroded	HEL	5	0.28	86	14.00	100	2.29
Ct	COLO SILTY CLAY LOAM, OCASSIONALLY FLOODED	NHEL	5	0.28	38	1.00	400	0.20
Cu	COLO SILTY CLAY LOAM, FREOUENTLY FLOODED	NHEL	5	0.28	38	1.00	200	0.16
DaA	DAKOTA SANDY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	4	0.20	86	1.00	200	0.16
DaB	DAKOTA SANDY LOAM, 2 TO 6 PERCENT SLOPES	NHEL	4	0.20	86	4.00	150	0.47
DaC	DAKOTA SANDY LOAM, 6 TO 14 PERCENT SLOPES	PHEL	4	0.20	86	10.00	125	1.53
DkA	DAKOTA LOAM, O TO 2 PERCENT SLOPES	NHEL	4	0.24	56	1.00	200	0.16
DkB	DAKOTA LOAM, 2 TO 6 PERCENT SLOPES	NHEL	4	0.24	56	4.00	200	0.53

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DtA	DICKINSON SANDY LOAM, TERRACE, 0 TO 2 PERCENT SLOPES	NHEL	4	0.20	86	1.00	125	0.14
DtB	DICKINSON SANDY LOAM, TERRACE, 2 TO 6 PERCENT SLOPES	NHEL	4	0.20	86	4.00	150	0.47
Du	Dundas silt loam, 0 to 2 percent slopes	NHEL	5	0.28	48	1.00	200	0.16
EaA	ESTHERVILLE SANDY LOAM, 0 TO 2 PERCENT SLOPES	NHEL	3	0.20	86	1.00	300	0.18
EaB	Estherville sandy loam, 2 to 6 percent slopes	NHEL	3	0.20	86	4.00	150	0.47
EaC	ESTHERVILLE SANDY LOAM, 6 TO 12 PERCENT SLOPES	HEL	3	0.20	86	8.00	100	0.99
EaD	ESTHERVILLE SANDY LOAM, 12 TO 18 PERCENT SLOPES	HEL	3	0.20	86	16.00	100	2.84
Gc	Glencoe clay loam, 0 to 1 percent slopes	NHEL	5	0.28	48	1.00	200	0.16
Hk	Hanska loam, 0 to 2 percent slopes	NHEL	4	0.28	56	1.00	125	0.14
Hm	HAVANA SILT LOAM	NHEL	5	0.32	48	1.00	200	0.16
HnB2	HAYDEN SANDY LOAM, 2 TO 6 PERCENT SLOPES, ERODED	NHEL	5	0.24	86	4.00	150	0.47
HnC2	HAYDEN SANDY LOAM, 6 TO 12 PERCENT SLOPES, ERODED	PHEL	5	0.24	86	8.00	130	1.13
HoB	Hayden loam, 2 to 6 percent slopes	NHEL	5	0.32	56	4.00	200	0.53
HoC	Hayden loam, 6 to 10 percent slopes	HEL	5	0.32	56	8.00	130	1.13
HoC2	Hayden loam, 6 to 10 percent slopes, moderately eroded	HEL	5	0.32	56	8.00	100	0.99
HoD	Hayden loam, 10 to 22 percent slopes	HEL	5	0.32	56	14.00	100	2.29
HoD2	Hayden loam, 10 to 22 percent slopes, moderately eroded	HEL	5	0.32	56	14.00	100	2.29
Hs	HAYFIELD SILT LOAM	NHEL	4	0.32	48	2.00	150	0.23
Kc	KATO SILTY CLAY LOAM	NHEL	4	0.28	38	1.00	200	0.16
Kd	KATO SILTY CLAY LOAM, SWALES	NHEL	4	0.28	38	1.00	300	0.18
Ke	KATO SILTY CLAY LOAM, CALCAREOUS VARIANT	NHEL	4	0.28	86	1.00	300	0.18
Kf	KATO SILTY CLAY LOAM, CALCAREOUS VARIANT, DEPRESSIONAL	NHEL	4	0.28	86	1.00	200	0.16
KkB2	Kilkenny clay loam, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	200	0.53
KkC2	Kilkenny clay loam, 6 to 10 percent slopes, moderately eroded	PHEL	5	0.28	48	8.00	150	1.21
La	LAKE BEACHES	NHEL	5	0.20	56	1.00	250	0.17
LcB	LAMONT SANDY LOAM, 2 TO 6 PERCENT SLOPES	NHEL	4	0.24	86	4.00	150	0.47
LcC	LAMONT SANDY LOAM, 6 TO 12 PERCENT SLOPES	PHEL	4	0.24	86	8.00	125	1.11
LcD	LAMONT SANDY LOAM, 12 TO 18 PERCENT SLOPES	HEL	4	0.24	86	14.00	150	2.81
Ld	Lemond loam, 0 to 2 percent slopes	NHEL	4	0.24	86	2.00	400	0.30
LeB	LERDAL SILTY CLAY LOAM, 2 TO 6 PERCENT SLOPES	PHEL	3	0.37	38	4.00	200	0.53
LeB2	LERDAL SILTY CLAY LOAM, 2 TO 6 PERCENT SLOPES, ERODED	PHEL	3	0.37	38	4.00	200	0.53
LIB	LESTER LOAM, 2 TO 6 PERCENT SLOPES	NHEL	5	0.28	48	4.00	130	0.44

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LIB2	Lester loam, 2 to 6 percent slopes, moderately eroded	NHEL	5	0.28	48	4.00	130	0.44
LIC	Lester loam, 6 to 10 percent slopes	PHEL	5	0.28	48	8.00	130	1.13
LIC2	Lester loam, 6 to 10 percent slopes, moderately eroded	PHEL	5	0.28	48	8.00	100	0.99
LID2	Lester loam, 10 to 16 percent slopes, moderately eroded	HEL	5	0.28	48	14.00	100	2.29
LmB2	LESTER-ESTHERVILLE-STORDEN COMPLEX, 2 TO 6 PERCENT SLOPES, ERODED	NHEL	3	0.20	86	4.00	130	0.44
LmD2	LESTER-ESTHERVILLE-STORDEN COMPLEX, 6 TO 18 PERCENT SLOPES, ERODED	PHEL	3	0.20	86	10.00	100	1.37
LnE	LESTER AND HAYDEN LOAMS, 18 TO 25 PERCENT SLOPES	HEL	5	0.32	56	22.00	100	4.77
LnF	LESTER AND HAYDEN LOAMS, 25 TO 35 PERCENT SLOPES	HEL	5	0.32	56	30.00	100	7.95
LoC2	Lester-Storden complex, 6 to 10 percent slopes, moderately eroded	PHEL	5	0.28	86	8.00	100	0.99
LoD2	Lester-Storden complex, 10 to 16 percent slopes, moderately eroded	HEL	5	0.28	86	14.00	100	2.29
LuA	Le Sueur loam, 1 to 3 percent slopes	NHEL	5	0.24	48	1.00	200	0.16
LuB	LE SUEUR CLAY LOAM, 2 TO 4 PERCENT SLOPES	NHEL	5	0.24	48	3.00	200	0.39
Ly	Lura silty clay, 0 to 1 percent slopes	NHEL	5	0.28	38	1.00	400	0.19
Ma	MADELIA SILTY CLAY LOAM	NHEL	5	0.28	38	1.00	200	0.16
Mc	Marna silty clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
Mh	MARSH	NHEL	5	0.02	86	1.00	100	0.13
Mm	MAXCREEK SILTY CLAY LOAM	NHEL	5	0.28	38	1.00	250	0.17
Mn	MAXCREEK SILTY CLAY LOAM, SWALES	NHEL	5	0.28	38	1.00	200	0.16
Mo	Mayer loam, 0 to 2 percent slopes	NHEL	4	0.24	86	1.00	200	0.16
MrA	MERTON SILT LOAM, 0 TO 2 PERCENT SLOPES	NHEL	5	0.32	48	1.00	200	0.16
MrB	MERTON SILT LOAM, 2 TO 4 PERCENT SLOPES	NHEL	5	0.32	48	3.00	250	0.43
MsA	MOLAND SILT LOAM, 0 TO 2 PERCENT SLOPES	NHEL	5	0.32	48	1.00	200	0.16
MsB	MOLAND SILT LOAM, 2 TO 6 PERCENT SLOPES	NHEL	5	0.32	48	4.00	200	0.53
MsB2	MOLAND SILT LOAM, 2 TO 8 PERCENT SLOPES, ERODED	PHEL	5	0.32	48	6.00	200	0.95
Mu	MUCK	NHEL	5	0.02	86	1.00	200	0.16
Mv	MUCK, CALCAREOUS	NHEL	5	0.02	86	1.00	200	0.16
Mw	MUCK, SANDY SUBSTRATUM	NHEL	5	0.02	86	1.00	200	0.16
M-W	Water, miscellaneous							
My	Klossner muck, 0 to 1 percent slopes	NHEL	5	0.02	86	1.00	200	0.16
NbA	NEWRY SILT LOAM, 0 TO 3 PERCENT SLOPES	NHEL	5	0.32	48	2.00	200	0.25
NcA	Nicollet clay loam, 1 to 3 percent slopes	NHEL	5	0.24	48	1.00	200	0.16
NcB	NICOLLET CLAY LOAM, 2 TO 4 PERCENT SLOPES	NHEL	5	0.24	48	3.00	200	0.39

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SaE	Hawick gravelly sandy loam, 12 to 20 percent slopes	HEL	3	0.10	134	22.00	100	4.77
Sh	SHIELDS SILTY CLAY LOAM	NHEL	3	0.37	38	1.00	200	0.16
SkB	SPARTA-DICKINSON COMPLEX, 2 TO 6 PERCENT SLOPES	NHEL	5	0.17	110	4.00	200	0.99
SkC	SPARTA-DICKINSON COMPLEX, 6 TO 12 PERCENT SLOPES	PHEL	4	0.20	86	8.00	100	0.99
SkE	SPARTA-DICKINSON COMPLEX, 12 TO 25 PERCENT SLOPES	HEL	4	0.20	86	22.00	100	4.77
Ta	TALCOT CLAY LOAM	NHEL	4	0.28	86	1.00	200	0.16
Te	Spillville, occasionally flooded	NHEL	5	0.24	48	1.00	300	0.18
Tf	Spillville loam, 0 to 2 percent slopes, frequently flooded, channeled	NHEL	5	0.24	48	3.00	200	0.39
Ud	UDOLPHO SILT LOAM	NHEL	4	0.32	48	1.00	200	0.16
W	Water							
WaA	Wadena loam, 0 to 2 percent slopes	NHEL	4	0.24	48	1.00	150	0.15
WaB	Wadena loam, 2 to 6 percent slopes	NHEL	4	0.24	48	4.00	150	0.47
WaC2	Wadena loam, 6 to 12 percent slopes, moderately eroded	PHEL	4	0.24	48	8.00	130	1.13
WgA	WAUKEGAN SILT LOAM, 0 TO 2 PERCENT SLOPES	NHEL	4	0.32	48	1.00	200	0.16
WgB	WAUKEGAN SILT LOAM, 2 TO 6 PERCENT SLOPES	NHEL	4	0.32	48	4.00	150	0.47
WL	Water, waste lagoon							
Wt	WEBSTER CLAY LOAM	NHEL	5	0.24	48	1.00	200	0.16
1003	Anthropotic Udorthents-Pits-Dumps complex, abandoned, 2 to 45 percent slopes							
1007	Anthropotic Udorthents, sanitary landfill							
1010	Pits, limestone quarry							
1030	Pits, sand and gravel							
1078	Anthropotic Udorthents, 2 to 9 percent slopes							