Highly Erodible Soil Map Unit List - ST. LOUIS COUNTY - EMBARRASS PART, MN

C=.09

R=90

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areasym	musym	muname	HELC	T	K	I	slope_%	slope_l	LS
MN617	1012A	Lobo-Waskish complex, 0 to 2 percent slopes	NHEL	5	0.00	0	0.2	80	0.08
MN617	1020A	Bowstring and Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.00	134	0.2	80	0.08
MN617	1021A	Rifle soils, 0 to 1 percent slopes	NHEL	5	0.00	134	0.2	80	0.08
MN617	1022A	Greenwood soils, 0 to 1 percent slopes	NHEL	5	0.00	38	0.2	80	0.08
MN617	B4A	Indus-Dora, depressional, complex, 0 to 2 percent slopes	NHEL	5	0.28	86	1	100	0.13
MN617	B6B	Morcom-Thistledew complex, 0 to 6 percent slopes	NHEL	3	0.32	48	2	80	0.19
MN617	B7D	Udorthents, slumped-Thistledew-Taylor complex, 10 to 25 percent slopes	PHEL	3	0.28	86	12	80	1.60
MN617	B8A	Bearville loamy sand, 0 to 2 percent slopes	NHEL	5	0.17	134	1	80	0.12
MN617	B10D	Rollins sandy loam, 8 to 18 percent slopes	PHEL	2	0.10	0	12	80	1.60
MN617	B11B	Taylor-Taylor, sandy substratum, complex, 2 to 6 percent slopes	PHEL	3	0.43	38	5	100	0.54
MN617	B13B	Graycalm-Grayling complex, 1 to 8 percent slopes	NHEL	5	0.15	220	5	80	0.48
MN617	B14A	Greenwood soils, Upham basin, 0 to 1 percent slopes	NHEL	5	0.00	38	0.2	80	0.08
MN617	B16B	Westoo-Barber-Vasso complex, 0 to 6 percent slopes	NHEL	5	.17	134	2	80	0.19
MN617	B17B	Graycalm-Biwabik complex, 1 to 6 percent slopes	NHEL	5	0.15	220	5	80	0.48
MN617	B17D	Graycalm-Biwabik complex, pitted, 6 to 25 percent slopes	PHEL	5	0.15	220	12	80	1.60
MN617	B18A	Foglake-Hassman, depressional complex, 0 to 2 percent slopes	NHEL	5	0.37	56	1	100	0.13
MN617	B19B	Longsiding-Foglake-Grasston complex, 0 to 6 percent slopes	NHEL	5	0.37	48	4	100	0.40
MN617	B23A	Effie-Ashlake complex, MLRA 88, 0 to 2 percent slopes	NHEL	5	0.37	56	1	100	0.13
MN617	B24B	Ashlake-Suomi-Effie complex, MLRA 88, 1 to 4 percent slopes	NHEL	5	0.37	56	1	100	0.13
MN617	B27A	McQuade-Buhl complex, 0 to 3 percent slopes	NHEL	5	0.37	56	1	100	0.13
MN617	B28B	Buhl loam, 1 to 5 percent slopes	NHEL	5	0.37	48	4	100	0.40
MN617	B29B	Hibbing-Buhl complex, 1 to 8 percent slopes	NHEL	3	0.32	48	2	80	0.12
MN617	B29D	Hibbing-Buhl complex, 1 to 18 percent slopes	HEL	3	0.32	48	12	80	1.60
MN617	B30A	Sago mucky peat, depressional, 0 to 1 percent slopes	NHEL	5	0.00	134	0.2	80	0.08
MN617	B31D	Hibbing loam, 8 to 18 percent slopes	HEL	3	0.32	48	12	80	1.60
MN617	B31E	Hibbing loam, 18 to 30 percent slopes	HEL	2	0.17	0	25	80	7.00
MN617	B32A	McQuade-Dora, depressional-Fayal, depressional, complex, 0 to 2 percent slopes	NHEL	5	0.37	56	1	100	0.13
MN617	B33A	McQuade-Fayal, depressional complex, 0 to 2 percent slopes	NHEL	5	0.37	56	1	100	0.13
MN617	B34B	Majestic-Hibbing complex, 2 to 8 percent slopes	NHEL	3	0.32	48	2	80	0.12
MN617	B35E	Hibbing-Udorthents complex, 18 to 45 percent slopes	HEL	2	0.17	0	25	80	7.00
MN617	B36B	Lavell-Shawano complex, 1 to 6 percent slopes	NHEL	5	.17	134	2	80	0.19
MN617	B37B	Westoo-Lavell complex, 0 to 6 percent slopes	NHEL	5	.17	134	2	80	0.19
MN617	B39A	Meehan loamy sand, 0 to 3 percent slopes	NHEL	5	.17	134	1	80	0.12
MN617	B40D	Shawano loamy fine sand, 6 to 18 percent slopes	PHEL	5	0.15	220	12	80	1.60
MN617	B41B	Friendship loamy sand, 0 to 4 percent slopes	NHEL	5	.17	134	2	80	0.19
MN617	B47A	Daisybay peat, 0 to 1 percent slopes	NHEL	5	0.00	134	0.2	80	0.08
MN617	B48A	Mooseline-Turpela complex, 0 to 3 percent slopes	NHEL	5	0.17	134	1	80	0.12
MN617	B52A	Dora muck, depressional, hibbing catena, 0 to 1 percent slopes	NHEL	5	0.00	134	0.2	80	0.08
MN617	B53A	Dora mucky peat, Hibbing catena, 0 to 1 percent slopes	NHEL	5	0.00	38	0.2	80	0.08

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areasym	musym	muname	HELC	T	K	I	slope_%	slope_l	LS
MN617	B54A	Spooner-Littleswan complex, 0 to 3 percent slopes	NHEL	5	0.37	56	1	100	0.13
MN617	B56A	Spooner-Sax, depressional complex, 0 to 2 percent slopes	NHEL	5	0.37	56	1	100	0.13
MN617	B58B	Wurtsmith-Meehan complex, 0 to 4 percent slopes	NHEL	5	.17	134	2	80	0.19
MN617	B62A	Wabuse-Vasso complex, 0 to 3 percent slopes	NHEL	5	0.37	57	1	100	0.13
MN617	B63B	Urban land-McQuade-Buhl complex, 0 to 12 percent slopes	NHEL	5	0.37	48	4	100	0.40
MN617	B64B	Vasso-Keenan complex, 1 to 6 percent slopes	NHEL	5	0.37	48	5	100	0.54
MN617	B65A	Merwin peat, Upham basin, 0 to 1 percent slopes	NHEL	5	0.00	38	0.2	80	0.08
MN617	B66C	Entisols, channeled, 0 to 20 percent slopes, rarely to frequently flooded	PHEL	5	0.15	220	12	80	1.60
MN617	B67A	Rifle soils, Hibbing catena, 0 to 1 percent slopes	NHEL	5	0.00	134	0.2	80	0.08
MN617	B73A	Spooner-Buhl-Littleswan complex, 0 to 3 percent slopes	NHEL	5	0.37	56	1	100	0.13
MN617	B74A	Kapla, depressional-Wabuse complex, 0 to 2 percent slopes	NHEL	5	0.37	57	1	100	0.13
MN617	B80A	Rifle soils, Taylor catena, 0 to 1 percent slopes	NHEL	5	0.00	134	0.2	80	0.08
MN617	B82A	Greenwood soils, Taylor catena, 0 to 1 percent slopes	NHEL	5	0.00	38	0.2	80	0.08
MN617	B99A	Cathro-Sago complex, depressional, 0 to 1 percent slopes	NHEL	5	0.00	134	0.2	80	0.08
MN617	B108A	Cathro muck, depressional, Upham basin, 0 to 1 percent slopes	NHEL	5	0.00	134	0.2	80	0.08
MN617	B119A	Tacoosh mucky peat, Upham basin, 0 to 1 percent slopes	NHEL	5	0.00	38	0.2	80	0.08
MN617	B147A	Rifle soils, Upham basin, 0 to 1 percent slopes	NHEL	5	0.00	134	0.2	80	0.08
MN617	B152A	Greenwood soils, Hibbing catena, 0 to 1 percent slopes	NHEL	5	0.00	38	0.2	80	0.08
MN617	F1C	Eaglesnest stony loam, 4 to 12 percent slopes, very bouldery	PHEL	4	0.17	0	12	100	1.80
MN617	F2B	Eaglesnest-Wahlsten complex, 2 to 8 percent slopes, bouldery	NHEL	4	0.17	0	5	100	0.54
MN617	F3D	Eveleth-Eaglesnest-Conic complex, 6 to 18 percent slopes, bouldery	PHEL	4	0.17	0	12	100	1.80
MN617	F4E	Eveleth-Conic, bouldery-Rock outcrop complex, 18 to 30 percent slopes	HEL	2	0.17	0	25	80	7.00
MN617	F5B	Babbitt, bouldery-Wahlsten, bouldery-Aquepts, rubbly, complex, 0 to 8 percent slopes	NHEL	3	0.28	86	1	80	0.12
MN617	F6B	Soudan-Eaglesnest-Babbitt complex, 1 to 8 percent slopes, bouldery	NHEL	4	0.17	0	5	80	0.48
MN617	F7B	Biwabik-Graycalm complex, 1 to 8 percent slopes	NHEL	2	0.20	0	5	80	0.48
MN617	F8D	Biwabik-Graycalm-Friendship complex, pitted, 0 to 18 percent slopes	PHEL	2	0.10	0	12	80	1.60
MN617	F9A	Cloquet loam, 0 to 2 percent slopes	NHEL	3	0.28	86	1	80	0.12
MN617	F9B	Cloquet loam, 2 to 8 percent slopes	NHEL	2	0.20	0	5	80	0.48
MN617	F10D	Cloquet-Pequaywan complex, pitted, 0 to 18 percent slopes	PHEL	2	0.10	0	12	80	1.60
MN617	F10E	Cloquet-Pequaywan complex, pitted, 0 to 45 percent slopes	HEL	2	0.10	0	30	80	7.00
MN617	F11B	Eaglesnest stony loam, 2 to 8 percent slopes, bouldery	NHEL	4	0.17	0	5	100	0.54
MN617	F12B	Eaglesnest-Babbitt complex, 1 to 8 percent slopes, bouldery	NHEL	4	0.17	0	5	100	0.54
MN617	F13A	Babbitt, bouldery-Aquepts, rubbly, complex, 0 to 3 percent slopes	NHEL	4	.24	86	1	80	0.12
MN617	F14D	Eveleth stony loam, 8 to 18 percent slopes, bouldery	PHEL	4	0.17	0	12	100	1.80
MN617	F15E	Rollins cobbly sandy loam, 18 to 35 percent slopes, stony	HEL	2	0.10	0	30	80	7.00
MN617	F16B	Shawano loamy fine sand, 1 to 8 percent slopes	NHEL	5	0.15	220	5	80	0.48
MN617	F17A	Aquepts, 0 to 2 percent slopes, rubbly	NHEL	3	0.00	134	0.2	80	0.08
MN617	F18A	Babbitt stony loam, 0 to 3 percent slopes, bouldery	NHEL	4	0.24	86	1	80	0.12
MN617	F19A	Pequaywan loam, Rainy Lobe, 0 to 3 percent slopes	NHEL	5	.17	134	2	80	0.19

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areasym	musym	muname	HELC	T	K	I	slope_%	slope_l	LS
MN617	F20A	Barronett-Barronett, depressional complex, 0 to 1 percent slopes	NHEL	5	0.37	56	1	100	0.13
MN617	F21C	Quetico, stony-Rock outcrop complex, 2 to 15 percent slopes	PHEL	1	0.24	0	10	80	1.20
MN617	F21D	Quetico, stony-Rock outcrop complex, 15 to 35 percent slopes	HEL	1	0.24	0	30	80	7.00
MN617	F21F	Quetico, stony-Rock outcrop complex, 35 to 60 percent slopes	HEL	1	0.24	0	30	80	7.00
MN617	F22F	Eveleth-Conic complex, 20 to 50 percent slopes, very bouldery	HEL	2	0.17	0	25	80	7.00
MN617	F23B	Rollins-Biwabik complex, 1 to 8 percent slopes	NHEL	2	0.20	0	5	80	0.48
MN617	F23D	Rollins-Biwabik complex, 8 to 18 percent slopes	PHEL	2	0.10	0	12	80	1.60
MN617	F24A	Gnesen loam, 0 to 3 percent slopes	NHEL	3	0.28	56	1	80	0.12
MN617	F25D	Rollins-Cloquet complex, 8 to 18 percent slopes	PHEL	2	0.10	0	12	80	1.60
MN617	F26C	Shagawa-Beargrease complex, 2 to 15 percent slopes, extremely bouldery	PHEL	2	0.10	0	12	80	1.60
MN617	F26E	Shagawa-Beargrease complex, 8 to 30 percent slopes, extremely bouldery	PHEL	2	0.10	0	12	80	1.60
MN617	F26G	Shagawa-Beargrease complex, 35 to 60 percent slopes, extremely bouldery	HEL	2	0.10	0	30	80	7.00
MN617	F27C	Beargrease very stony loam, 2 to 15 percent slopes, extremely stony	PHEL	2	0.10	0	12	80	1.60
MN617	F27E	Beargrease very stony loam, 10 to 35 percent slopes, extremely stony	HEL	2	0.10	0	30	80	7.00
MN617	F28B	Oysterlake complex, 0 to 4 percent slopes, extremely stony	NHEL	5	0.17	134	1	80	0.12
MN617	F29E	Shagawa, extremely stony-Beargrease, extremely stony-Tacoosh complex, 0 to 35 percent slopes	PHEL	2	0.10	0	12	80	1.60
MN617	F29G	Shagawa, extremely stony-Beargrease, extremely stony-Tacoosh complex, 0 to 60 percent slopes	HEL	2	0.10	0	30	80	7.00
MN617	F30G	Conic, very bouldery-Insula, very bouldery-Rock outcrop complex, 20 to 70 percent slopes	HEL	2	0.17	0	25	80	7.00
MN617	F31B	Oysterlake, extremely stony-Tacoosh complex, 0 to 4 percent slopes	NHEL	5	0.17	134	1	80	0.12
MN617	F32A	Merwin peat, 0 to 1 percent slopes	NHEL	5	0.00	38	0.2	80	0.08
MN617	F34A	Cathro muck, depressional, 0 to 1 percent slopes	NHEL	5	0.00	134	0.2	80	0.08
MN617	F35D	Eveleth, bouldery-Conic, bouldery-Aquepts, rubbly, complex, 0 to 18 percent slopes	PHEL	4	0.17	0	12	100	1.80
MN617	F35E	Eveleth, bouldery-Conic, bouldery-Aquepts, rubbly, complex, 0 to 30 percent slopes	HEL	2	0.17	0	25	80	7.00
MN617	F36D	Conic, bouldery-Insula, bouldery-Rock outcrop complex, 8 to 25 percent slopes	PHEL	2	0.17	0	10	80	1.20
MN617	F37B	Foglake-Babbitt, bouldery, complex, 0 to 4 percent slopes	NHEL	4	.24	86	1	80	0.12
MN617	F38B	Longsiding-Eaglesnest, bouldery, complex, 0 to 8 percent slopes	NHEL	5	0.37	48	4	100	0.40
MN617	F39A	Foglake-Aquepts, rubbly-Hassman, depressional, complex, 0 to 2 percent slopes	NHEL	5	0.37	56	1	100	0.13
MN617	F40B	Rollins cobbly sandy loam, 2 to 8 percent slopes	NHEL	2	0.20	0	5	80	0.48
MN617	F40D	Rollins cobbly sandy loam, 8 to 18 percent slopes	PHEL	2	0.10	0	12	80	1.60
MN617	F41B	Wurtsmith-Friendship complex, MLRA 93, 1 to 4 percent slopes	NHEL	5	.17	134	2	80	0.19
MN617	F42A	Meehan sandy loam, 0 to 2 percent slopes	NHEL	5	.17	134	1	80	0.12
MN617	F43A	Roscommon muck, depressional, MLRA 93, 0 to 1 percent slopes	NHEL	2	0.00	134	0.2	80	0.08
MN617	F44D	Soudan-Eveleth complex, 8 to 18 percent slopes, bouldery	PHEL	4	0.17	0	12	100	1.80
MN617	F101A	Bugcreek extremely stony sandy loam, 0 to 1 percent slopes, rubbly	NHEL	5	0.00	134	0.2	80	0.08
MN617	F106B	Toimi-Nevens-Brimson complex, 0 to 8 percent slopes, very stony	NHEL	4	0.17	0	5	80	0.48
MN617	F107D	Toimi-Nevens complex, 0 to 18 percent slopes, very stony	PHEL	4	0.17	0	12	100	1.80
MN617	F108B	Brimson, very stony-Bugcreek, rubbly complex, 0 to 5 percent slopes	NHEL	4	0.17	0	2	80	0.19
MN617	F116A	Mooselake mucky peat, 0 to 1 percent slopes	NHEL	5	0.00	38	0.2	80	0.08
MN617	F129A	Tacoosh mucky peat, 0 to 1 percent slopes	NHEL	5	0.00	38	0.2	80	0.08

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areasym	musym	muname	HELC	T	K	I	slope_%	slope_l	LS
MN617	F164B	Beargrease-Biwabik-Rollins complex, 2 to 8 percent slopes	NHEL	2	0.20	0	5	80	0.48
MN617	F164E	Beargrease-Biwabik-Rollins complex, 8 to 35 percent slopes	PHEL	2	0.10	0	12	80	1.60
MN617	F165C	Insula, very bouldery-Rock outcrop-Wahlsten, very bouldery complex, 2 to 12 percent slopes	PHEL	2	.17	0	10	80	1.20
MN617	F166A	Aquepts, rubbly-Tacoosh-Rifle complex, 0 to 2 percent slopes	NHEL	3	0.00	134	0.2	80	0.08
MN617	F167B	Wahlsten, bouldery-Insula, bouldery-Rock outcrop complex, 1 to 10 percent slopes	NHEL	2	0.20	0	5	80	0.48
MN617	F168A	Foglake-Hassman, depressional complex, 0 to 2 percent slopes	NHEL	5	0.37	56	1	100	0.13
MN617	F169B	Longsiding-Grasston complex, 1 to 6 percent slopes	NHEL	5	0.37	48	5	100	0.54
MN617	F172B	Westoo-Barber-Vasso complex, MLRA 93A, 0 to 6 percent slopes	NHEL	5	.17	134	2	80	0.19
MN617	F173A	Wabuse-Vasso complex, MLRA 93A, 0 to 3 percent slopes	NHEL	3	0.28	86	1	80	0.12
MN617	F174B	Keenan-Vasso complex, 0 to 4 percent slopes	NHEL	3	0.28	86	1	80	0.12
MN617	F176A	Sago muck, depressional, 0 to 1 percent slopes	NHEL	3	0.00	134	0.2	80	0.08
MN617	F177C	Eveleth-Eaglesnest complex, 2 to 20 percent slopes, very bouldery	PHEL	4	0.17	0	12	80	1.80
MN617	F178C	Urban land-Wahlsten-Biwabik complex, 0 to 15 percent slopes	NHEL	3	0.32	48	3	80	0.27
MN617	F179B	Urban land-Biwabik-Slimlake complex, 0 to 6 percent slopes	NHEL	2	0.20	0	5	80	0.48
MN617	F180A	Aquic Dystrudepts, 0 to 2 percent slopes	NHEL	4	.24	86	1	80	0.12
MN617	F181A	Aquepts-Humaquepts, depressional complex, 0 to 1 percent slopes	NHEL	3	0.00	134	0.2	80	0.08
MN617	F182B	Crowmwell-Slimlake complex, 0 to 4 percent slopes	NHEL	2	0.20	0	2	80	0.19
MN617	F183B	Cromwell-Biwabik complex, 0 to 4 percent slopes	NHEL	2	0.20	0	2	80	0.19
MN617	F184B	Biwabik-Rollins complex, 1 to 6 percent slopes	NHEL	2	0.20	0	5	80	0.48
MN617	F185B	Lamellic Dystrudeps, 1 to 8 percent slopes	NHEL	2	0.20	0	5	80	0.48
MN617	F186C	Dystrudepts-Udipsamments complex, 2 to 12 percent slopes	PHEL	4	0.17	0	12	100	1.80
MN617	F187A	Dora mucky peat, 0 to 1 percent slopes	NHEL	5	0.00	38	0.2	80	0.08