

Highly Erodible Soil Map Unit List - Swift County, MN

C= 0.20

R= 110

This data is only to be used for HEL determinations

This is the "frozen data" based on 01/01/1990 information. Values other than "HEL" should only be used for PHEL.

Mapunit Symbol	Mapunit Name	HEL	T	K	I	Slope Percent	Slope Length	LS
J1A	Parnell silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
J2A	La Prairie loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	38	1.00	200	0.16
J3A	Arveson sandy loam, 0 to 2 percent slopes	NHEL	4	0.24	86	1.00	200	0.16
J4A	Rockwell loam, 0 to 2 percent slopes	NHEL	3	0.24	86	1.00	200	0.16
J5A	Fossum sandy loam, 0 to 2 percent slopes	NHEL	5	0.20	86	1.00	200	0.16
J6A	McDonaldsville silty clay, 0 to 2 percent slopes	NHEL	4	0.28	86	1.00	200	0.16
J7A	Sverdrup sandy loam, 0 to 2 percent slopes	NHEL	4	0.20	86	1.00	200	0.16
J7B	Sverdrup sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	86	4.00	175	0.50
J8A	Egeland sandy loam, 0 to 2 percent slopes	NHEL	4	0.20	86	1.00	200	0.16
J8B	Egeland sandy loam, 2 to 6 percent slopes	NHEL	4	0.20	86	4.00	175	0.50
J9A	Estelline silt loam, 0 to 2 percent slopes	NHEL	4	0.32	48	1.00	200	0.16
J10A	Sinai silty clay, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	200	0.16

Mapunit Symbol	Mapunit Name	HEL	T	K	I	Slope Percent	Slope Length	LS
J10B	Sinai silty clay, 2 to 6 percent slopes	NHEL	5	0.28	86	4.00	175	0.50
J11A	Vallers clay loam, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J12A	Marysland loam, 0 to 2 percent slopes	NHEL	4	0.28	86	1.00	200	0.16
J13A	Oldham silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J14F	Sisseton-Esmond complex, 18 to 40 percent slopes	HEL	5	0.28	86	30.00	100	8.00
J15B	Eckman silt loam, 1 to 6 percent slopes	NHEL	5	0.32	56	4.00	175	0.50
J16A	Friberg silt loam, depressional, 0 to 2 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
J17A	Quam silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
J18A	Malachy sandy loam, 1 to 3 percent slopes	NHEL	4	0.20	86	1.00	200	0.16
J19A	Hecla loamy fine sand, 1 to 3 percent slopes	NHEL	5	0.17	134	2.00	200	0.25
J20A	Clontarf sandy loam, 1 to 3 percent slopes	NHEL	4	0.20	86	1.00	200	0.16
J21A	Hamar loamy fine sand, 0 to 2 percent slopes	NHEL	5	0.17	134	1.00	200	0.16
J22A	Renshaw loam, 0 to 2 percent slopes	NHEL	3	0.28	48	1.00	200	0.16
J23A	Lamoure silty clay loam, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	200	0.16
J24F	Langhei loam, 12 to 40 percent slopes	HEL	5	0.28	86	30.00	100	8.00

Mapunit Symbol	Mapunit Name	HEL	T	K	I	Slope Percent	Slope Length	LS
J25A	Rauville silty clay loam, 0 to 2 percent slopes, frequently flooded	NHEL	5	0.28	86	1.00	200	0.16
J26B	Darnen loam, 1 to 6 percent slopes	NHEL	5	0.28	48	2.00	175	0.24
J27A	Hantho silt loam, 1 to 3 percent slopes	NHEL	5	0.28	56	1.00	200	0.16
J28A	Vallers clay loam, 0 to 2 percent slopes, bouldery	NHEL	5	0.28	0	1.00	200	0.16
J29A	Cathro muck, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J30A	Tara silt loam, 1 to 3 percent slopes	NHEL	5	0.28	48	1.00	200	0.16
J31B	Arvilla-Sandberg complex, 2 to 6 percent slopes	NHEL	3	0.28	48	4.00	175	0.50
J32A	Bigstone silty clay loam, depressional, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J33D2	Sisseton-Esmond-Heimdal, complex, 6 to 20 percent slopes, moderately eroded	HEL	5	0.28	86	15.00	100	2.50
J34B	Byrne-Buse complex, 2 to 6 percent slopes	NHEL	5	0.32	48	4.00	175	0.50
J35B	Hokans-Buse complex, 2 to 6 percent slopes	NHEL	5	0.28	48	4.00	175	0.50
J36C2	Langhei-Barnes, moderately eroded, complex, 6 to 12 percent slopes	PHEL	5	0.28	86	9.00	150	1.40
J37D2	Langhei-Barnes, moderately eroded, complex, 12 to 20 percent slopes	HEL	5	0.28	86	15.00	100	2.50
J38B	Zell-Eckman complex, 2 to 6 percent slopes	NHEL	5	0.32	86	4.00	175	0.50
J38C2	Zell-Eckman complex, 6 to 12 percent slopes, eroded	PHEL	5	0.32	86	9.00	150	1.40

Mapunit Symbol	Mapunit Name	HELIC	T	K	I	Slope Percent	Slope Length	LS
J40A	Foxlake silty clay, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J41A	Urness mucky silty clay loam, occasionally ponded, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J42C	Sandberg-Arvilla complex, 6 to 12 percent slopes	PHEL	3	0.28	48	9.00	150	1.40
J43A	Quam, Cathro, and Urness soils, frequently ponded, 0 to 1 percent slopes	NHEL	5	0.28	0	1.00	200	0.16
J44B	Esmond-Heimdal-Sisseton complex, 2 to 6 percent slopes	NHEL	5	0.28	86	4.00	175	0.50
J44C2	Esmond-Sisseton-Heimdal, complex, 2 to 12 percent slopes, moderately eroded	PHEL	5	0.28	86	9.00	150	1.40
J45F	Sandberg gravelly sandy loam, 6 to 40 percent slopes	HEL	2	0.20	86	19.00	100	3.75
J46B	Byrne silt loam, 1 to 6 percent slopes	NHEL	5	0.32	48	4.00	175	0.50
J47A	Swenoda sandy loam, moderately wet, 1 to 3 percent slopes	NHEL	5	0.20	86	1.00	200	0.16
J48A	Bigstone and Parnell soils, ponded, 0 to 1 percent slopes	NHEL	5	0.28	0	1.00	200	0.16
J49A	Lakepark-Parnell, occasionally ponded, complex, 0 to 2 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
J50A	Balaton-Tara complex, 1 to 3 percent slopes	NHEL	5	0.28	86	2.00	200	0.25
J51A	Bearden-Quam, depressional, complex, 0 to 2 percent slopes	NHEL	5	0.32	86	1.00	200	0.16
J52A	Rondell silty clay loam, 1 to 3 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J53A	Ortonville loam, 1 to 3 percent slopes	NHEL	5	0.28	86	2.00	200	0.25

Mapunit Symbol	Mapunit Name	HELK	T	K	I	Slope Percent	Slope Length	LS
J54A	Marysland loam, occasionally ponded, 0 to 1 percent slopes	NHEL	4	0.24	86	1.00	200	0.16
J55A	Sedgeville loam, channeled, 0 to 2 percent slopes, occasionally flooded	NHEL	5	0.28	86	1.00	200	0.16
J56A	Winger-Balaton-Parnell, depressional, complex, 0 to 3 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
J57A	Balaton-Hamerly complex, 1 to 4 percent slopes	NHEL	5	0.28	86	2.00	200	0.25
J58B	Torning-Egeland complex, 2 to 6 percent slopes	NHEL	5	0.24	134	3.00	175	0.34
J59A	Urness mucky silty clay loam, sandy substratum, ponded, 0 to 1 percent slopes	NHEL	5	0.28	0	1.00	200	0.16
J60B	Hattie-Audubon complex, 1 to 4 percent slopes	NHEL	5	0.28	86	4.00	175	0.50
J60C	Hattie-Audubon complex, 4 to 10 percent slopes	PHEL	5	0.28	86	9.00	150	1.40
J61A	Svea loam, 1 to 3 percent slopes, bouldery	NHEL	5	0.28	0	1.00	200	0.16
J62C	Buse-Barnes complex, 2 to 12 percent slopes, very bouldery	NHEL	5	0.20	0	7.00	150	1.00
J62F	Buse-Barnes complex, 12 to 40 percent slopes, very bouldery	HEL	5	0.20	0	21.00	100	4.40
J63A	Ortonville-Vallers-Parnell, depressional, complex, 0 to 3 percent slopes	NHEL	5	0.28	86	2.00	200	0.25
J65A	Shakopee silty clay, 0 to 2 percent slopes	NHEL	4	0.28	86	1.00	200	0.16
J66A	Emrick loam, 1 to 3 percent slopes	NHEL	5	0.28	48	1.00	200	0.16
J67A	Fordville loam, 0 to 2 percent slopes	NHEL	4	0.24	48	1.00	200	0.16

Mapunit Symbol	Mapunit Name	HELC	T	K	I	Slope Percent	Slope Length	LS
J68A	Kerkhoven-Friberg, depressional, complex, 0 to 2 percent slopes	NHEL	5	0.28	38	1.00	200	0.16
L33A	Kandiyohi clay, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
L33B	Kandiyohi clay, 2 to 5 percent slopes	NHEL	5	0.28	86	4.00	175	0.50
L34A	Cosmos silty clay, 0 to 2 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
L164A	Lura silty clay loam, depressional, firm substatum, 0 to 1 percent slopes	NHEL	5	0.28	86	1.00	200	0.16
GP	Pits, gravel-Udipsamments complex							
J39A	Udorthents, shallow (sanitary landfill)							
M-W	Water, miscellaneous							
W	Water							