

## Norman County, Minnesota

musym	muname	RUSLE2 slope factors	
		slope_%	slope_length_ft.
Ad	Alluvial land, occasionally flooded	1	151
Af	Alluvial land, frequently flooded	1	151
Ar	Arveson loam	1	151
As	Arveson and Hamar soils, depressional	1	151
Aw	Augsburg and Wheatville loams	1	151
BaA	Barnes loam, 0 to 2 percent slopes	1	151
BaB	Barnes loam, 2 to 6 percent slopes	4	151
BaB2	Barnes loam, 2 to 6 percent slopes, eroded	4	151
BaC2	Barnes loam, 6 to 12 percent slopes, eroded	9	102
BbB2	Barnes-Langhei loams, 2 to 6 percent slopes, eroded	4	151
Bo	Borup loam, depressional	1	151
Bp	Borup and Glyndon loams	1	151
Br	Breaks and Alluvial land	1	98
Cb	Cathro muck	1	151
DaB	Darnen silt loam, 1 to 4 percent slopes	3	151
Ff	Flaming loamy fine sand, wind eroded	2	151
Fh	Flaming, Hamar, and Arveson soils	2	151
Fm	Flom silty clay loam	1	151
Fv	Flom and Vallers soils, depressional	1	151
FxA	Foxhome loam, 0 to 3 percent slopes	2	151
GlA	Glyndon loam, 0 to 2 percent slopes	1	151
GIB	Glyndon loam, 2 to 6 percent slopes	4	151
Gn	Glyndon loam, wind eroded	1	151
Gp	Gravel pits	25	0
Gr	Grimstad fine sandy loam	1	151
Ha	Hamar loamy fine sand	1	151
HeA	Hamerly silt loam, 0 to 1 percent slopes	1	151
HeB	Hamerly silt loam, 1 to 5 percent slopes	3	151
Hm	Hamerly-Vallers silt loams	3	151
Hn	Hangaard sandy loam	1	151
I2A	Augsburg very fine sandy loam, clayey till substratum, 0 to 2 percent slopes	1	151
I5A	Borup loam, 0 to 2 percent slopes	1	151

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I6A	Borup very fine sandy loam, 0 to 2 percent slopes	1	151
I8A	Cathro muck, 0 to 1 percent slopes	1	151
I9A	Clearwater clay, 0 to 2 percent slopes	1	151
I11A	Deerwood muck, 0 to 1 percent slopes	1	151
I15A	Hecla loamy fine sand, 0 to 3 percent slopes	2	151
I16F	Fluvaquents,frequently flooded-Hapludolls complex, 0 to 30 percent slopes	1	151
I19A	Foxhome sandy loam, 0 to 3 percent slopes	2	151
I20A	Foxlake loam, 0 to 2 percent slopes	1	151
I22A	Glyndon loam, 0 to 2 percent slopes	1	151
I24A	Grimstad fine sandy loam, 0 to 3 percent slopes	2	151
I25A	Hamar loamy fine sand, 0 to 2 percent slopes	1	151
I28A	Hangaard sandy loam, 0 to 2 percent slopes	1	151
I34A	Huot fine sandy loam, clayey till substratum, 0 to 3 percent slopes	2	151
I36A	Kittson loam, 0 to 3 percent slopes	2	151
I36B	Kittson loam, 2 to 6 percent slopes	4	151
I37A	Kratka and Strathcona soils, 0 to 1 percent slopes	1	151
I40B	Maddock loamy fine sand, 1 to 6 percent slopes	4	151
I41A	Markey muck, 0 to 1 percent slopes	1	151
I43A	Mavie fine sandy loam, 0 to 2 percent slopes	1	151
I47A	Poppleton fine sand, 0 to 2 percent slopes	1	151
I48A	Radium loamy sand, 0 to 3 percent slopes	2	151
I52A	Reis-Clearwater complex, 0 to 2 percent slopes	1	151
I53A	Roliss loam, 0 to 2 percent slopes	1	151
I54A	Roliss loam, very poorly drained, 0 to 1 percent slopes	1	151
I55A	Rosewood fine sandy loam, 0 to 2 percent slopes	1	151
I56A	Rosewood-Venlo complex, 0 to 1 percent slopes	1	151
I57B	Sandberg-Radium complex, 1 to 6 percent slopes	4	151
I58A	Seelyeville muck, 0 to 1 percent slopes	1	151
I62A	Syrene sandy loam, 0 to 2 percent slopes	1	151
I64A	Ulen fine sandy loam, 0 to 3 percent slopes	2	151
I65A	Ulen loamy fine sand, 0 to 3 percent slopes	2	151
I68A	Wheatville very fine sandy loam, clayey till substratum, 0 to 3 percent slopes	2	151

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I109A	Fluvaquents, 0 to 2 percent slopes, frequently flooded	1	151
I110A	Augsburg, Borup, and Colvin soils, very poorly drained, 0 to 1 percent slopes	0	151
I119A	Bearden silty clay loam, 0 to 1 percent slopes	1	151
I130A	Hegne-Fargo silty clays, 0 to 2 percent slopes	1	151
I156A	Antler silt loam, 0 to 1 percent slopes	1	151
I170A	Swenoda loam, 0 to 3 percent slopes	1	151
I171A	Rockwell fine sandy loam, 0 to 1 percent slopes	1	151
I209A	Swenoda fine sandy loam, 0 to 3 percent slopes	1	151
I209C	Swenoda fine sandy loam, 3 to 9 percent slopes	6	151
I229A	Fargo silty clay, 0 to 1 percent slopes	1	151
I233A	Fargo silty clay loam, 0 to 1 percent slopes	1	151
I235A	Fargo silty clay, depressionnal, 0 to 1 percent slopes	1	151
I248A	Wahpeton silty clay, 0 to 2 percent slopes, occasionally flooded	1	151
I248B	Wahpeton silty clay, 2 to 6 percent slopes, occasionally flooded	4	151
I248C	Wahpeton silty clay, 6 to 9 percent slopes, occasionally flooded	8	151
I293B	Cashel silty clay, 0 to 6 percent slopes, occasionally flooded	3	151
I344A	Venlo fine sandy loam, 0 to 1 percent slopes	0	151
I348F	Serden-Serden, thin surface fine sands, 6 to 35 percent slopes	10	75
I364A	Hecla-Garborg-Arveson complex, 0 to 2 percent slopes	1	151
I376A	Colvin silty clay loam, 0 to 1 percent slopes	1	151
I400A	Gilby loam, 0 to 1 percent slopes	1	151
I467A	Bearden silt loam, 0 to 1 percent slopes	1	151
I475B	Sinai silty clay, levees, 0 to 6 percent slopes	3	66
I507B	Glyndon loam, dry, 2 to 6 percent slopes	4	151
I530A	Colvin silty clay loam, very poorly drained, 0 to 1 percent slopes	1	151
I594A	LaDelle silt loam, 0 to 2 percent slopes, occasionally flooded	1	151
I624A	Lindaas silty clay loam, 0 to 1 percent slopes	1	151
I625C	Zell, fine-silty-LaDelle silty clay loams, 1 to 9 percent slopes	5	151
I627A	Bearden-Fargo complex, 0 to 2 percent slopes	1	79
I633A	Augsburg and Wheatville loams, 0 to 2 percent slopes	1	151
I646A	Viking clay loam, 0 to 2 percent slopes	1	151
I651A	Reis, very-fine-Viking silty clays, 0 to 2 percent slopes	1	151

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I655A	Wheatville loam, 0 to 1 percent slopes	1	151
I666A	Colvin-Perella silty clay loams, 0 to 2 percent slopes	1	79
I669A	Borup and Glyndon loams, 0 to 2 percent slopes	1	151
I671A	Sioux gravelly sandy loam, 0 to 2 percent slopes	1	79
I671B	Sioux gravelly sandy loam, 2 to 6 percent slopes	5	79
I672A	Sioux sandy loam, 0 to 2 percent slopes	1	79
I672B	Sioux sandy loam, 2 to 6 percent slopes	4	79
I673B	Lohnes coarse sandy loam, 1 to 6 percent slopes	4	79
I674A	Lohnes sandy loam, 0 to 2 percent slopes	1	79
I676A	Syrene sandy clay loam, 0 to 2 percent slopes	1	151
I681C	Sandberg loamy sand, 6 to 12 percent slopes	9	151
I683A	Flom clay loam, 0 to 1 percent slopes	0	151
I690A	Kittson loam, wet, 0 to 3 percent slopes	1	151
I699A	Rockwell loam, 0 to 2 percent slopes	1	151
I711A	Glyndon loam, thin surface, 0 to 2 percent slopes	1	151
I716A	Arveson clay loam, 0 to 1 percent slopes	1	98
I720A	Arveson and Venlo soils, 0 to 1 percent slopes	1	79
I721A	Arveson loam, 0 to 2 percent slopes	1	125
I730A	Gunclub silty clay loam, 0 to 2 percent slopes	1	79
I731A	Nielsville silty clay loam, 0 to 1 percent slopes	1	79
I732A	Nielsville-Perella silty clay loams, 0 to 1 percent slopes	1	79
I748A	Bygland silty clay loam, 0 to 2 percent slopes	1	151
I759A	Towner loamy fine sand, 0 to 3 percent slopes	2	79
I762A	Vallers loam, lake washed, 0 to 1 percent slopes	1	79
I773A	Hapludolls-Fluvaquents, occasionally flooded complex, 0 to 6 percent slopes	4	151
I773E	Hapludolls-Fluvaquents, occasionally flooded complex, 0 to 30 percent slopes	12	79
I791A	Ulen fine sandy loam, thin surface, 0 to 3 percent slopes	1	79
I795A	Lamoure silt loam, 0 to 2 percent slopes, frequently flooded	1	79
I823A	Rockwell and Kratka soils, 0 to 1 percent slopes	1	49
I849A	Kittson fine sandy loam, wet, 0 to 2 percent slopes	1	151
I853A	Roliss silt loam, 0 to 1 percent slopes	1	151
IGp	Pits, gravel and sand	30	0

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IM-W	Miscellaneous water		0
INT	Water, intermittent		0
IWa	Water		0
KsA	Kittson loam, 0 to 2 percent slopes	1	151
KsC	Kittson loam, 2 to 8 percent slopes	5	151
KtA	Kittson loam, uplands, 0 to 1 percent slopes	1	151
KtB	Kittson loam, uplands, 1 to 5 percent slopes	3	151
LbC2	Langhei-Barnes loams, 6 to 12 percent slopes, eroded	9	102
LbD2	Langhei-Barnes loams, 12 to 18 percent slopes, eroded	15	59
LbE	Langhei-Barnes loams, 18 to 30 percent slopes	24	59
MaA	Maddock loamy fine sand, 0 to 2 percent slopes	1	151
MaC	Maddock loamy fine sand, 2 to 8 percent slopes	5	151
Me	Markey muck	1	151
Mh	Marsh	1	151
Mm	Mavie loam	1	151
PB	Pits, borrow	25	0
Rc	Rockwell fine sandy loam	1	151
Rk	Rockwell and Kratka soils, depressional	1	151
Ro	Roliss loam	1	151
Rs	Roliss loam, depressional	1	151
Ru	Rondeau muck	1	151
Sc	Seelyeville muck	1	151
SdA	Sioux sandy loam, 0 to 2 percent slopes	1	151
SdB	Sioux sandy loam, 2 to 6 percent slopes	4	151
SgA	Sioux gravelly sandy loam, 0 to 2 percent slopes	1	151
SgC	Sioux gravelly sandy loam, 2 to 8 percent slopes	5	151
SmE	Sioux and Maddock soils, 12 to 36 percent slopes	24	59
SnA	Sverdrup fine sandy loam, 0 to 2 percent slopes	1	151
SnC	Sverdrup fine sandy loam, 2 to 8 percent slopes	5	151
SwA	Swenoda fine sandy loam, 0 to 2 percent slopes	1	151
SwC	Swenoda fine sandy loam, 2 to 8 percent slopes	5	151
Sy	Syrene sandy loam	1	151

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To	Towner loamy fine sand	2	151
UIA	Ulen fine sandy loam, 0 to 2 percent slopes	1	151
Un	Ulen fine sandy loam, wind eroded	2	151
Va	Vallers silt loam	1	151
Vd	Vallers silt loam, depressional	1	151
W	Water		0
WkA	Waukon loam, 0 to 2 percent slopes	1	151
WkB	Waukon loam, 2 to 6 percent slopes	4	151
WkB2	Waukon loam, 2 to 6 percent slopes, eroded	4	151
WkC	Waukon loam, 6 to 12 percent slopes	9	102
WkD	Waukon loam, 12 to 18 percent slopes	15	59
Wm	Wheatville loam	2	151