areasym	musym	muname	slope_r	slopelen_r_feet
MN619	1003B	Udorthents, loamy (cut and fill land)	3	82
MN619	1012A	Lobo-Waskish complex, 0 to 2 percent slopes	0.5	49
MN619	1014A	Uskabwanka peat, 0 to 1 percent slope	0	52
MN619	1020A	Bowstring and Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded	0	98
MN619	1021A	Rifle soils, 0 to 1 percent slopes	0	49
MN619	1022A	Greenwood soils, 0 to 1 percent slopes	0	49
MN619	1026A	Udifluvents, loamy, 0 to 2 percent slopes, occasionally flooded	1	98
MN619	1050	Tailings basin		82
MN619	A41E	Itasca silt loam, 18 to 45 percent slopes	35	52
MN619	A42B	Itasca-Goodland-Aquepts complex, pitted, 0 to 8 percent slopes	6	79
MN619	A42D	Itasca-Goodland-Aquepts complex, pitted, 0 to 18 percent slopes	13	52
MN619	A42E	Itasca-Goodland-Aquepts complex, pitted, 0 to 45 percent slopes	35	52
MN619	A43D	Warba very fine sandy loam, 8 to 18 percent slopes	15	52
MN619	A44B	Udalfs-Cathro complex, 0 to 8 percent slopes	6	79
MN619	A44D	Udalfs-Cathro complex, 0 to 18 percent slopes	13	52
MN619	A45B	Eutrudepts-Itasca-Endoaqualfs, depressional, complex, 0 to 8 percent slopes	6	79
MN619	B100A	Greenwood-Merwin complex, depressional, 0 to 1 percent slopes	0	49
MN619	B101A	Schisler-Ellsburg-Baden, depressional, complex, 0 to 2 percent slopes	1	52
MN619	B102A	Hellwig-Ellsburg-Baden, depressional, complex, 0 to 2 percent slopes	1	52
MN619	B103A	Melrude-Schisler-Baden, depressional, complex, 0 to 2 percent slopes	1	52
MN619	B104A	Ellsburg-Baden complex, 0 to 2 percent slopes	1	52
MN619	B107A	Baden muck, depressional, 0 to 1 percent slopes	0	52
MN619	B108A	Cathro muck, depressional, upham basin, 0 to 1 percent sloes	0	49
MN619	B118A	Rifle soils, duluth catena, 0 to 1 percent slopes	0	52
MN619	B119A	Tacoosh mucky peat, upham basin, 0 to 1 percent slopes	0	49
MN619	B120A	Mooselake mucky peat, duluth catena, 0 to 1 percent slopes	0	49
MN619	B121A	Merwin peat, duluth catena, 0 to 1 percent slopes	0	52
MN619	B122A	Tacoosh mucky peat, duluth catena, 0 to 1 percent slopes	0	52
MN619	B123A	Blackhoof-Cathro-Baden complex, depressional, 0 to 1 percent slopes	0	52
MN619	B124A	Dusler-Ellsburg complex, 0 to 3 percent slopes	2	75
MN619	B125B	Culver silt loam, 3 to 8 percent slopes	6	52
MN619	B126D	Duluth-Culver complex, 3 to 18 percent slopes	13	66

MN619	B126E	Duluth silt loam, 18 to 45 percent slopes	35	75
MN619	B127B	Culver-Dusler-Ellsburg complex, 0 to 8 percent slopes	6	52
MN619	B128D	Duluth-Culver-Cathro, depressional, complex, 0 to 18 percent slopes	13	66
MN619	B129B	Culver-Culver, coarse substratum-Ellsburg complex, 0 to 8 percent slopes	6	52
MN619	B130D	Duluth-Duluth, coarse substratum-Ellsburg complex, 0 to 18 percent slopes	13	66
MN619	B131F	Duluth-Duluth, coarse substratum, complex, 18 to 45 percent slopes	35	75
MN619	B135A	McDavitt, depressional-Zimm, complex, 0 to 2 percent slopes	0	312
MN619	B143B	Dinham-Dusler complex, 1 to 8 percent slopes	6	52
MN619	B144A	Ellsburg-Dusler complex, 0 to 3 percent slopes	1	52
MN619	B145B	Dusler-Culver complex, 1 to 8 percent slopes	2	125
MN619	B147A	Rifle soils, upham basin, 0 to 1 percent slopes	0	49
MN619	B148A	Greenwood soils, duluth catena, 0 to 1 percent slopes	0	52
MN619	B149A	Zimm-McDavitt, depressional-Brickton complex, 0 to 2 percent slopes	1	246
MN619	B14A	Greenwood soils, upham basin, 0 to 1 percent slopes	0	49
MN619	B150D	Dinham-Duluth complex, 8 to 18 percent slopes	13	66
MN619	B152A	Greenwood soils, hibbing catena, 0 to 1 percent slopes	0	49
MN619	B153B	Aerie-Zimm complex, 0 to 3 percent slopes	2	230
MN619	B16B	Westoo-Barber-Vasso complex, 0 to 6 percent slopes	3	82
MN619	B17B	Graycalm-Biwabik complex, 1 to 6 percent slopes	4	82
MN619	B17D	Graycalm-Biwabik complex, pitted, 6 to 25 percent slopes	15	82
MN619	B212A	Brickton-Hassman, depressional, complex, 0 to 2 percent slopes	1	246
MN619	B213A	Hassman, depressional-Brickton comkplex, 0 to 1 percent slopes	0	312
MN619	B220A	Meadowlands-Leeora-Alborn complex, 0 to 2 percent slopes	1	246
MN619	B221A	Leeora-Meadowlands-Sago complex, 0 to 1 percent slopes	0	82
MN619	B230A	Joki-McDavitt, depressional-Little White complex, 0 to 2 percent slopes	1	246
MN619	B234A	Joula-Meadowlands-Leeora complex, 0 to 3 percent slopes	2	230
MN619	B235A	Skunkcreek-Meadowlands-Kapla, depressional, complex, 0 to 2 percent slopes	1	246
MN619	B236A	Skunkcreek-Louis-Meadowlands complex, 0 to 3 percent slopes	1	148
MN619	B237A	Onega-Kapla, depressional, complex, 0 to 1 percent slopes	1	75
MN619	B238A	Cowhorn-Onega-Sago, depressional, complex, 0 to 2 percent slopes	1	75
MN619	B239B	Cedar Valley-Wawina-Cowhorn complex, 1 to 6 percent slopes	3	75
MN619	B240D	Wawina-Cedar Valley complex, 1 to 18 percent slopes	8	52
MN619	B241A	Wabuse-Vasso-Leeora, depressional, complex, 0 to 3 percent slopes	1	148
MN619	B266A	Gowan-Alborn-Sax complex, 0 to 2 percent slopes	1	246

MN619	B267B	Lahti-Gowan-Littleswan complex,1 to 3 percent slopes	2	230
MN619	B268B	Eutrudepts-Fluvaquents complex, 0 to 8 percent slopes, flooded	6	33
MN619	B268D	Fluvaquents-Eutrudepts-Udifluvents complex, 0 to 18 percent slopes, flooded	0	98
MN619	B268E	Fluvaqents-Eutrudepts-Udifluvents complex, 0 to 35 percent slopes, flooded	0	98
MN619	B269A	Sax muck, depressional, 0 to 1 percent slopes	0	49
MN619	B270A	Alborn-Littleswan complex, 0 to 3 percent slopes	1	148
MN619	B271A	Alborn-Sax complex, 0 to 2 percent slopes	1	246
MN619	B27A	Mcquade-Buhl complex, 0 to 3 percent slopes	1	66
MN619	B28B	Buhl loam, 1 to 5 percent slopes	3	82
MN619	B29B	Hibbing-Buhl complex, 1 to 8 percent slopes	5	66
MN619	B29D	Hibbing-Buhl complex, 1 to 18 percent slopes	13	131
MN619	B30A	Sago mucky peat, depressional, 0 to 1 percent slopes	0	49
MN619	B31D	Hibbing loam, 8 to 18 percent slopes	13	66
MN619	B31E	Hibbing loam, 18 to 30 percent slopes	24	66
MN619	B32A	Mcquade-Dora, depressional-Fayal, depressional, complex, 0 to 2 percent slopes	1	66
MN619	B33A	Mcquade-Fayal, depressional, complex, 0 to 2 percent slopes	1	66
MN619	B34B	Majestic-Hibbing complex, 2 to 8 percent slopes	5	66
MN619	B35E	Hibbing-Udorthents complex, 18 to 45 percent slopes	30	82
MN619	B36B	Lavell-Shawano complex, 1 to 6 percent slopes	4	82
MN619	B37B	Westoo-Lavell complex, 0 to 6 percent slopes	2	82
MN619	B39A	Meehan loamy sand, 0 to 3 percent slopes	1	82
MN619	B40D	Shawano loamy fine sand, 6 to 18 percent slopes	13	66
MN619	B41B	Friendship loamy sand, 0 to 4 percent slopes	2	82
MN619	B47A	Daisybay peat, 0 to 1 percent slopes	0	49
MN619	B48A	Mooseline-Turpela complex, 0 to 3 percent slopes	2	82
MN619	B52A	Dora muck, depressional, hibbing catena, 0 to 1 percent slopes	0	49
MN619	B53A	Dora mucky peat, hibbing catena, 0 to 1 percent slopes	0	49
MN619	B54A	Spooner-Littleswan complex, 0 to 3 percent slopes	1	82
MN619	B56A	Spooner-Sax, depressional, complex, 0 to 2 percent slopes	1	82
MN619	B57B	Littleswan-Baudette complex, 1 to 6 percent slopes	2	131
MN619	B58B	Wurtsmith-Meehan complex, 0 to 4 percent slopes	2	82
MN619	B61A	Cathro, depressional-Barber complex, 0 to 3 percent slopes	0	49
MN619	B62A	Wabuse-Vasso complex, 0 to 3 percent slopes	1	82
MN619	B63B	Urbanland-McQuade-Buhl complex, 0 to 12 percent slopes	5	0

MN619	B64B	Vasso-Keenan complex, 1 to 6 percent slopes	2	131
MN619	B65A	Merwin peat, upham basin, 0 to 1 percent slopes	0	49
MN619	B66C	Entisols, channeled, 0 to 20 percent slopes, rarely to frequently flooded	5	49
MN619	B67A	Rifle soils, hibbing catena, 0 to 1 percent slopes	0	49
MN619	B68A	Roscommon-Roscommon, silty substratum, complex, depressional, 0 to 1 percent slopes	0	98
MN619	B72A	Barber-Wabuse complex, 0 to 3 percent slopes	2	164
MN619	B73A	Spooner-Buhl-Littleswan complex, 0 to 3 percent slopes	1	82
MN619	B74A	Kapla, depressional-Wabuse complex, 0 to 2 percent slopes	0	49
MN619	B81A	Cathro muck, depressional, duluth catena, 0 to 1 percent slopes	0	52
MN619	B83A	Rifle-Tacoosh complex, depressional, 0 to 1 percent slopes	0	49
MN619	B85A	Mooselake mucky peat, upham basin, 0 to 1 percent slopes	0	49
MN619	B86A	Meadowlands-Leeora-Alborn complex, clayey substratum, 0 to 2 percent slopes	1	246
MN619	B99A	Cathro-Sago complex, depressional, 0 to 1 percent slopes	0	49
MN619	DA	Denied access		0
MN619	F101A	Bugcreek extremely stony sandy loam, 0 to 1 percent slopes, rubbly	0	52
MN619	F102A	Nevens stony loam, 0 to 2 percent slopes, very stony	1	52
MN619	F103B	Brimson stony fine sandy loam, 2 to 5 percent slopes, very stony	3	125
MN619	F104B	Toimi stony loam, 3 to 8 percent slopes, very stony	5	79
MN619	F104D	Toimi stony loam, 8 to 18 percent slopes, very stony	12	66
MN619	F104E	Toimi stony loam, 18 to 45 percent slopes, very stony	25	66
MN619	F106B	Toimi-Nevens-Brimson complex, 0 to 8 percent slopes, very stony	5	52
MN619	F107D	Toimi-Nevens complex, 0 to 18 percent slopes, very stony	12	66
MN619	F108B	Brimson, very stony-Bugcreek, rubbly complex, 0 to 5 percent slopes	3	75
MN619	F109A	Wahbegon, depressional-Eldes complex, 0 to 2 percent slopes	0	52
MN619	F110A	Hegberg-Eldes complex, 0 to 3 percent slopes	2	75
MN619	F111B	Augustana-Hegberg complex, 1 to 8 percent slopes	6	52
MN619	F112D	Forbay-Augustana complex, 3 to 18 percent slopes	13	66
MN619	F115A	Merwin peat, dense substratum, 0 to 1 percent slopes	0	52
MN619	F116A	Mooselake muck, 0 to 1 percent slopes	0	49
MN619	F117A	Rollins sandy loam, 0 to 3 percent slopes	1	75
MN619	F117B	Rollins sandy loam, 2 t 8 percent slopes	5	79
MN619	F117D	Rollins sandy loam, 8 to 18 percent slopes	14	52
MN619	F117F	Rollins sandy loam, 18 to 45 percent slopes	35	52
MN619	F118B	Aldenlake-Pequaywan complex, 0 to 6 percent slopes	5	79

MN619	F120A	Grayling-Cromwell complex, 0 to 3 percent slopes	1	75
MN619	F120B	Grayling-Cromwell complex, 2 to 8 percent slopes	5	79
MN619	F120D	Grayling-Cromwell complex, 8 to 18 percent slopes	14	52
MN619	F120F	Grayling-Cromwell complex, 18 to 45 percent slopes	35	52
MN619	F121A	Aldenlake sandy loam, 0 to 3 percent slopes	1	75
MN619	F121B	Aldenlake sandy loam, 2 to 8 percent slopes	5	79
MN619	F121D	Aldenlake sandy loam, 8 to 18 percent slopes	14	52
MN619	F121F	Aldenlake sandy loam, 18 to 45 percent slopes	35	52
MN619	F122B	Aldenlake-Pequaywan complex, pitted, 0 to 8 percent slopes	5	79
MN619	F122D	Aldenlake-Pequaywan complex, pitted, 0 to 18 percent slopes	14	52
MN619	F122F	Aldenlake-Pequaywan complex, pitted, 0 to 45 percent slopes	35	52
MN619	F123B	Grayling-Grytal-Cromwell complex, pitted, 0 to 8 percent slopes	5	79
MN619	F123D	Grayling-Grytal-Cromwell complex, pitted, 0 to 18 percent slopes	14	52
MN619	F124B	Rollins-Pequaywan complex, pitted, 0 to 8 percent slopes	5	79
MN619	F124D	Rollins-Pequaywan complex, pitted, 0 to 18 percent slopes	14	52
MN619	F124F	Rollins-Pequaywan complex, pitted, 0 to 45 percent slopes	35	52
MN619	F125A	Pequaywan fine sandy loam, 0 to 3 percent slopes	1	75
MN619	F126A	Grytal sandy loam, 0 to 3 percent slopes	1	75
MN619	F127A	Hulligan mucky fine sandy loam, depressional, 0 to 1 percent slopes	0	75
MN619	F128A	Hulligan fine sandy loam, 0 to 1 percent slopes	1	75
MN619	F129A	Tacoosh mucky peat, 0 to 1 percent slopes	0	49
MN619	F134A	Giese muck, depressional, 0 to 1 percent slope	0	52
MN619	F135A	Hermantown-Canosia-Giese, depressional, complex, 0 to 3 percent slopes	2	75
MN619	F136A	Hermantown silt loam, 1 to 3 percent slopes	2	75
MN619	F137B	Normanna-Canosia-Hermantown complex, 0 to 8 percent slopes	6	52
MN619	F138D	Ahmeek-Normanna-Canosia complex, 0 to 18 percent slopes	13	66
MN619	F139F	Ahmeek silt loam, 18 to 45 percent slopes	35	75
MN619	F140B	Normanna-Giese, depressional, complex, pitted, 0 to 8 percent slopes	6	52
MN619	F141D	Ahmeek-Normanna-Cathro, depressional, complex, pitted, 0 to 25 percent slopes	20	66
MN619	F142A	Canosia loam, 0 to 2 percent slopes	1	52
MN619	F143B	Normanna-Aldenlake-Canosia complex, 0 to 8 percent slopes	6	52
MN619	F144D	Aldenlake-Ahmeek complex, 8 to 18 percent slopes	13	66
MN619	F145F	Ahmeek-Aldenlake complex, 18 to 45 percent slopes	35	75
MN619	F146A	Giese muck, 0 to 2 percent slopes, rubbly	1	52

MN619	F148F	Ahmeek-Rock outcrop-Fluvaquents, frequently flooded, complex, 0 to 50 percent slopes	45	118
MN619	F150A	Twig-Tacoosh-Giese complex, depressional, 0 to 1 percent slopes	0	52
MN619	F151A	Tacoosh mucky peat, dense substratum, 0 to 1 percent slopes	0	52
MN619	F161A	Mooselake muck, dense substratum, 0 to 1 percent slopes	0	49
MN619	F162A	Spidercreek sandy loam, 0 to 1 percent slopes	1	75
MN619	F170A	Rifle soils, dense substratum, 0 to 1 percent slopes	0	52
MN619	F175A	Greenwood soils, dense substratum, 0 to 1 percent slopes	0	52
MN619	F188A	Marl	0	49
MN619	F32A	Merwin peat, 0 to 1 percent slopes	0	49
MN619	F33A	Cathro muck, depressional, dense substratum, 0 to 1 percent slopes	0	52
MN619	F34A	Cathro muck, depressional, 0 to 1 percent slopes	0	49
MN619	GP	Pits, gravel-Udipsamments complex	25	82
MN619	I-W	Water, intermittent	0	0
MN619	M-W	Water, miscellaneous		0
MN619	W	Water	0	0