

Hydric Soils

Meeker County, Minnesota

[This report lists only those map unit components that are rated as hydric. Dashes (---) in any column indicate that the data were not included in the database. Definitions of hydric criteria codes are included at the end of the report]

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
8B:					
Sparta loamy sand, 1 to 6 percent slopes	Sparta	90	Outwash plains	No	---
	Darfur	5	Drainageways	Yes	2B3
	Dassel	5	Depressions	Yes	2B3, 3
8C:					
Sparta loamy sand, 6 to 12 percent slopes	Sparta	90	Outwash plains	No	---
	Darfur	10	Drainageways	Yes	2B3
8D:					
Sparta loamy sand, 12 to 25 percent slopes	Sparta	90	Outwash plains	No	---
	Darfur	10	Drainageways	Yes	2B3
35:					
Blue Earth mucky silt loam, 0 to 1 percent slopes	Blue Earth	95	Lakebeds	Yes	2B3
	Canisteo	5	Rims	Yes	2B3
39A:					
Wadena loam, 0 to 2 percent slopes	Wadena	90	Outwash plains	No	---
	Biscay	10	Drainageways	Yes	2B3
41A:					
Estherville sandy loam, 0 to 2 percent slopes	Estherville	90	Flats, Outwash plains, Rises	No	---
	Biscay	10	Drainageways	Yes	2B3
85:					
Calco silty clay loam, 0 to 2 percent slopes, occasionally flooded	Calco, occasionally flooded	90	Flood plains	Yes	2B3
	Havelock	10	Flood plains	Yes	2B3
86:					
Canisteo clay loam, moderately fine substratum, 0 to 2 percent slopes	Canisteo	85	Depressions, Flats, Moraines, Rims	Yes	2B3
	Glencoe	10	Depressions	Yes	2B3, 3
	Seaforth	5	Moraines	No	---

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96B:					
Collinwood silty clay loam, 3 to 6 percent slopes	Collinwood	85	Hills, Lake plains	No	---
	Waldorf	10	Drainageways	Yes	2B3
	Lura	5	Depressions	Yes	2B3, 3
101B:					
Truman silt loam, 2 to 6 percent slopes	Truman	85	Hills, Lake plains	No	---
	Madelia	10	Drainageways	Yes	2B3
	Okoboji	5	Depressions	Yes	2B3, 3
102B:					
Clarion loam, moderately fine substratum, 2 to 5 percent slopes	Clarion	85	Hills, Moraines	No	---
	Webster	10	Drainageways	Yes	2B3
	Glencoe	5	Depressions	Yes	2B3, 3
106C2:					
Lester loam, 6 to 12 percent slopes, eroded	Lester, eroded	85	Hills, Moraines	No	---
	Cordova	10	Drainageways	Yes	2B3
	Glencoe	5	Depressions	Yes	2B3, 3
112:					
Harps clay loam, 0 to 2 percent slopes	Harps	85	Moraines, Rims	Yes	2B3
	Glencoe	5	Depressions	Yes	2B3, 3
	Okoboji	5	Depressions	Yes	2B3, 3
	Seaforth	5	Moraines	No	---
113:					
Webster clay loam, 0 to 2 percent slopes	Webster	85	Flats, Moraines	Yes	2B3
	Glencoe	10	Depressions	Yes	2B3, 3
	Nicollet	5	Moraines	No	---

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114:					
Glencoe clay loam, depressional, 0 to 1 percent slopes	Glencoe, depressional	90	Depressions, Moraines	Yes	2B3, 3
	Canisteo	5	Rims	Yes	2B3
	Klossner	5	Depressions	Yes	1, 3
129:					
Cylinder loam, 0 to 1 percent slopes	Cylinder	85	Outwash plains	No	---
	Biscay	10	Drainageways	Yes	2B3
	Wadena	5	Outwash plains	No	---
130:					
Nicollet clay loam, 1 to 3 percent slopes	Nicollet	85	Moraines, Rises	No	---
	Webster	10	Drainageways	Yes	2B3
	Glencoe	5	Depressions	Yes	2B3, 3
134:					
Okoboji silty clay loam, depressional, 0 to 1 percent slopes	Okoboji, depressional	85	Depressions, Moraines	Yes	2B3
	Canisteo	5	Rims	Yes	2B3
	Harps	5	Rims	Yes	2B3
	Klossner	5	Depressions	Yes	1, 3
136:					
Madelia silty clay loam, 0 to 2 percent slopes	Madelia	85	Flats, Lake plains	Yes	2B3
	Okoboji	10	Depressions	Yes	2B3, 3
	Spicer	5	Rims	Yes	2B3
140:					
Spicer silty clay loam, 0 to 2 percent slopes	Spicer	85	Flats, Lake plains	Yes	2B3
	Madelia	10	Drainageways	Yes	2B3
	Okoboji	5	Depressions	Yes	2B3, 3

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143B:					
Chelsea loamy fine sand, 1 to 6 percent slopes	Chelsea	90	Outwash plains	No	---
	Granby	10	Drainageways	Yes	2B3
178:					
Granby fine sandy loam, 0 to 1 percent slopes	Granby	85	Flats, Outwash plains	Yes	2B3
	Darfur	10	Drainageways	Yes	2B3
	Dassel	5	Depressions	Yes	2B3, 3
181:					
Litchfield loamy fine sand, 0 to 2 percent slopes	Litchfield	85	Outwash plains	No	---
	Darfur	10	Drainageways	Yes	2B3
	Dassel	5	Depressions	Yes	2B3, 3
183:					
Dassel mucky fine sandy loam, depression, 0 to 1 percent slopes	Dassel, depression	85	Depressions, Outwash plains	Yes	2B3, 3
	Darfur	10	Drainageways	Yes	2B3
	Litchfield	5	Outwash plains	No	---
197:					
Kingston silty clay loam, 1 to 3 percent slopes	Kingston	90	Lake plains, Rises	No	---
	Madelia	5	Drainageways	Yes	2B3
	Okoboji	5	Depressions	Yes	2B3, 3
211:					
Lura silty clay, depression, 0 to 1 percent slopes	Lura, depression	90	Depressions	Yes	2B3
	Corvuso	5	Rims	Yes	2B3
	Cosmos	5	Drainageways	Yes	2B3

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229:					
Waldorf silty clay loam, 0 to 2 percent slopes	Waldorf	90	Flats, Lake plains	Yes	2B3
	Collinwood	5	Lake plains	No	---
	Lura	5	Depressions	Yes	2B3, 3
239:					
Le Sueur clay loam, 1 to 3 percent slopes	Le Sueur	85	Moraines, Rises	No	---
	Cordova	10	Drainageways	Yes	2B3
	Glencoe	5	Depressions	Yes	2B3, 3
281:					
Darfur loam, 0 to 2 percent slopes	Darfur	85	Flats, Outwash plains	Yes	2B3
	Dassel	10	Depressions	Yes	2B3, 3
	Litchfield	5	Outwash plains	No	---
286B:					
Shorewood silty clay loam, 3 to 6 percent slopes	Shorewood	85	Hills, Lake plains	No	---
	Waldorf	10	Drainageways	Yes	2B3
	Okoboji	5	Depressions	Yes	2B3, 3
311C2:					
Shorewood silty clay, 6 to 12 percent slopes, eroded	Shorewood, eroded	85	Hills, Lake plains	No	---
	Waldorf	10	Drainageways	Yes	2B3
	Bold	5	Lake plains	No	---
327A:					
Dickman sandy loam, 0 to 2 percent slopes	Dickman	90	Outwash plains	No	---
	Darfur	5	Drainageways	Yes	2B3
	Litchfield	5	Outwash plains	No	---

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327B:					
Dickman sandy loam, 2 to 6 percent slopes	Dickman	85	Outwash plains	No	---
	Litchfield	10	Outwash plains	No	---
	Darfur	5	Drainageways	Yes	2B3
399:					
Biscay loam, depressional, 0 to 1 percent slopes	Biscay, depressional	85	Depressions, Outwash plains	Yes	2B3
	Mayer	10	Flats	Yes	2B3
	Klossner	5	Depressions	Yes	1, 3
415:					
Kanaranzi loam, 0 to 3 percent slopes	Kanaranzi	85	Flats, Outwash plains, Rises	No	---
	Biscay	10	Drainageways	Yes	2B3
	Cylinder	5	Outwash plains	No	---
423:					
Seaforth loam, 1 to 3 percent slopes	Seaforth	85	Moraines, Rises	No	---
	Canisteo	10	Rims	Yes	2B3
	Glencoe	5	Depressions	Yes	2B3, 3
511:					
Marcellon loam, 0 to 3 percent slopes	Marcellon	85	Moraines, Rises	No	---
	Uniongrove	10	Drainageways	Yes	2B3
	Lundlake	5	Depressions	Yes	2B3, 3
523:					
Houghton muck, depressional, 0 to 1 percent slopes	Houghton, depressional	90	Depressions, Moraines	Yes	1, 3
	Klossner	10	Depressions	Yes	1, 3
525:					
Muskego muck, depressional, 0 to 1 percent slopes	Muskego, depressional	90	Depressions, Moraines	Yes	1, 3
	Blue Earth	10	Depressions	Yes	1, 3

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539: Klossner muck, depressional, 0 to 1 percent slopes	Klossner, depressional	90	Depressions, Moraines	Yes	1, 3
	Okoboji	10	Depressions	Yes	2B3, 3
548: Medo muck, depressional, 0 to 1 percent slopes	Medo, depressional	90	Depressions, Outwash plains	Yes	1, 3
	Dassel	10	Depressions	Yes	2B3, 3
610: Calco silty clay loam, 0 to 1 percent slopes, frequently flooded	Calco, frequently flooded	90	Flood plains	Yes	2B3, 4
	Havelock	10	Flood plains	Yes	2B3
611D: Hawick gravelly sandy loam, 12 to 25 percent slopes	Hawick	85	Outwash plains	No	---
	Minneopa	10	Outwash plains	No	---
	Biscay	5	Drainageways	Yes	2B3
612B: Wadenill loam, 2 to 6 percent slopes	Wadenill	85	Hills, Moraines	No	---
	Uniongrove	10	Drainageways	Yes	2B3
	Lundlake	5	Depressions	Yes	2B3, 3
613: Grovecity loam, 1 to 3 percent slopes	Grovecity	85	Moraines, Rises	No	---
	Uniongrove	10	Drainageways	Yes	2B3
	Lundlake	5	Depressions	Yes	2B3, 3
664: Zook silty clay loam, 0 to 2 percent slopes, occasionally flooded	Zook, occasionally flooded	90	Flood plains	Yes	2B3
	Calco	10	Flood plains	Yes	2B3

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740:					
Hamel-Glencoe, depressional complex, 0 to 3 percent slopes	Hamel	70	Drainageways, Moraines	Yes	2B3
	Glencoe, depressional	20	Depressions, Moraines	Yes	2B3, 3
	Le Sueur	10	Moraines	No	---
804B:					
Koronis-Sunburg-Hawick complex, 2 to 6 percent slopes	Koronis	50	Hills, Moraines	No	---
	Sunburg	20	Hills, Moraines	No	---
	Hawick	15	Hills, Moraines	No	---
	Uniongrove	10	Drainageways	Yes	2B3
	Lundlake	5	Depressions	Yes	2B3, 3
804C2:					
Koronis-Sunburg-Hawick complex, 6 to 12 percent slopes, eroded	Koronis, eroded	45	Hills, Moraines	No	---
	Sunburg, eroded	25	Hills, Moraines	No	---
	Hawick, eroded	15	Hills, Moraines	No	---
	Forestcity	10	Drainageways	Yes	2B3
	Lundlake	5	Depressions	Yes	2B3, 3
804D2:					
Koronis-Sunburg-Hawick complex, 12 to 18 percent slopes, eroded	Koronis, eroded	40	Hills, Moraines	No	---
	Sunburg, eroded	35	Hills, Moraines	No	---
	Hawick, eroded	15	Hills, Moraines	No	---
	Forestcity	10	Drainageways	Yes	2B3

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804E:					
Koronis-Sunburg-Hawick complex, 18 to 40 percent slopes	Koronis	50	Hills, Moraines	No	---
	Sunburg	25	Hills, Moraines	No	---
	Hawick	15	Hills, Moraines	No	---
	Forestcity	10	Drainageways	Yes	2B3
805C2:					
Sunburg-Wadenill complex, 6 to 12 percent slopes, eroded	Sunburg, eroded	50	Hills, Moraines	No	---
	Wadenill, eroded	40	Hills, Moraines	No	---
	Forestcity	5	Drainageways	Yes	2B3
	Lundlake	5	Depressions	Yes	2B3, 3
805D2:					
Sunburg-Wadenill complex, 12 to 18 percent slopes, eroded	Sunburg, eroded	65	Hills, Moraines	No	---
	Wadenill, eroded	25	Hills, Moraines	No	---
	Forestcity	10	Drainageways	Yes	2B3
875B:					
Estherville-Hawick complex, 2 to 6 percent slopes	Estherville	60	Outwash plains	No	---
	Hawick	30	Outwash plains	No	---
	Biscay	10	Drainageways	Yes	2B3
875C:					
Hawick-Estherville complex, 6 to 12 percent slopes	Hawick	60	Hills, Outwash plains	No	---
	Estherville	25	Hills, Outwash plains	No	---
	Biscay	10	Drainageways	Yes	2B3
	Minneopa	5	Outwash plains	No	---

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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
887B:					
Clarion-Swanlake complex, 2 to 6 percent slopes	Clarion	70	Hills, Moraines	No	---
	Swanlake	20	Hills, Moraines	No	---
	Glencoe	5	Depressions	Yes	2B3, 3
	Webster	5	Drainageways	Yes	2B3
899:					
Harps-Okoboji, depressional complex, 0 to 2 percent slopes	Harps	60	Moraines, Rims	Yes	2B3
	Okoboji, depressional	30	Depressions, Moraines	Yes	2B3, 3
	Seaforth	10	Moraines	No	---
909C2:					
Bold-Truman complex, 6 to 12 percent slopes, eroded	Bold, eroded	55	Hills, Lake plains	No	---
	Truman, eroded	35	Hills, Lake plains	No	---
	Madelia	5	Drainageways	Yes	2B3
	Okoboji	5	Depressions	Yes	2B3, 3
909D2:					
Bold-Truman complex, 12 to 18 percent slopes, eroded	Bold, eroded	65	Hills, Lake plains	No	---
	Truman, eroded	25	Hills, Lake plains	No	---
	Madelia	10	Drainageways	Yes	2B3
920B:					
Clarion-Storden-Hawick complex, 2 to 6 percent slopes	Clarion	50	Hills, Moraines	No	---
	Storden	20	Hills, Moraines	No	---
	Hawick	15	Hills, Moraines	No	---
	Webster	10	Drainageways	Yes	2B3
	Glencoe	5	Depressions	Yes	2B3, 3

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945D2:					
Lester-Storden complex, 12 to 18 percent slopes, eroded	Lester, eroded	70	Hills, Moraines	No	---
	Storden, eroded	20	Hills, Moraines	No	---
	Hamel	10	Drainageways	Yes	2B3
945E:					
Lester-Storden complex, 18 to 40 percent slopes	Lester	70	Hills, Moraines	No	---
	Storden	20	Hills, Moraines	No	---
	Hamel	10	Drainageways	Yes	2B3
956:					
Canisteo-Glencoe, depressional complex, 0 to 2 percent slopes	Canisteo	65	Depressions, Flats, Moraines, Rims	Yes	2B3
	Glencoe, depressional	25	Depressions, Moraines	Yes	2B3, 3
	Seaforth	10	Moraines	No	---
960C2:					
Storden-Omsrud complex, 6 to 12 percent slopes, eroded	Storden, eroded	65	Hills, Moraines	No	---
	Omsrud, eroded	25	Hills, Moraines	No	---
	Hamel	10	Drainageways	Yes	2B3
960D2:					
Storden-Omsrud complex, 12 to 18 percent slopes, eroded	Storden, eroded	65	Hills, Moraines	No	---
	Omsrud, eroded	25	Hills, Moraines	No	---
	Hamel	10	Drainageways	Yes	2B3
978:					
Cordova-Rolfe, depressional complex, 0 to 2 percent slopes	Cordova	60	Moraines, Swales	Yes	2B3
	Rolfe, depressional	30	Depressions	Yes	2B3, 3
	Glencoe	10	Depressions	Yes	2B3, 3
1015:					
Udipsamments (cut and fill land)	Udipsamments	85	Outwash plains	No	---

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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
1016: Udorthents, Loamy (cut, and fill land)	Udorthents, loamy	85	Moraines	No	---
1030: Pits, gravel-Udipsamments complex	Pits, gravel	50	Outwash plains	Unranked	---
	Udipsamments	50	Outwash plains	No	---
1080: Klossner, Okoboji, and Glencoe soils, ponded, 0 to 1 percent slopes	Glencoe, ponded	30	Depressions, Moraines	Yes	2B3, 3
	Klossner, ponded	30	Depressions, Moraines	Yes	1, 3
	Okoboji, ponded	30	Depressions, Moraines	Yes	2B3, 3
	Canisteo	10	Rims	Yes	2B3
1096: Fieldon-Dassel, depressional complex, 0 to 2 percent slopes	Fieldon	70	Flats, Outwash plains	Yes	2B3
	Dassel, depressional	20	Depressions, Outwash plains	Yes	2B3, 3
	Litchfield	10	Outwash plains	No	---
1097: Mayer-Biscay, depressional complex, 0 to 2 percent slopes	Mayer	70	Flats, Outwash plains	Yes	2B3
	Biscay, depressional	20	Depressions, Outwash plains	Yes	2B3, 3
1098: Biscay-Biscay, depressional complex, 0 to 2 percent slopes					
1099: Granby loamy fine sand, very wet, 0 to 1 percent slopes	Granby, very wet	85	Depressions, Outwash plains	Yes	2B2, 3
	Darfur	5	Flats	Yes	2B3
	Fieldon	5	Flats	Yes	2B3
	Klossner	5	Depressions	Yes	1, 3

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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
1100:					
Nicollet silty clay loam, 1 to 3 percent slopes	Nicollet	85	Moraines, Rises	No	---
	Webster	10	Drainageways	Yes	2B3
	Okoboji	5	Depressions	Yes	2B3, 3
1101:					
Webster silty clay loam, moderately fine substratum, 0 to 2 percent slopes	Webster	85	Flats, Moraines	Yes	2B3
	Okoboji	10	Depressions	Yes	2B3, 3
	Nicollet	5	Moraines	No	---
1159B:					
Strout-Arkton complex, 2 to 6 percent slopes	Strout	70	Hills, Moraines	No	---
	Arkton	20	Hills, Moraines	No	---
	Cosmos	5	Drainageways	Yes	2B3
	Lura	5	Depressions	Yes	2B3, 3
1162A:					
Kandiyohi clay, 0 to 2 percent slopes	Kandiyohi	80	Flats, Moraines, Rises	No	---
	Cosmos	10	Drainageways	Yes	2B3
	Lura	10	Depressions	Yes	2B3, 3
1162B:					
Kandiyohi clay, 2 to 5 percent slopes	Kandiyohi	80	Hills, Moraines	No	---
	Cosmos	10	Drainageways	Yes	2B3
	Lura	10	Depressions	Yes	2B3, 3
1163:					
Cohoctah loam, 0 to 2 percent slopes, frequently flooded	Cohoctah, frequently flooded	90	Flood plains	Yes	2B3, 4
	Havelock	10	Flood plains	Yes	2B3

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1165:					
Lundlake silty clay loam, depressional, 0 to 1 percent slopes	Lundlake, depressional	85	Depressions, Moraines	Yes	2B3
	Swedegrove	10	Rims	Yes	2B3
	Grovecity	5	Moraines	No	---
1169:					
Corvuso-Lura, depressional complex, 0 to 2 percent slopes	Corvuso	60	Depressions, Flats, Moraines, Rims	Yes	2B3
	Lura, depressional	30	Depressions, Moraines	Yes	2B3
	Kandiyohi	10	Moraines	No	---
1171C:					
Newlondon-Strout complex, 6 to 12 percent slopes, eroded	Newlondon, eroded	45	Hills, Moraines	No	---
	Strout, eroded	45	Hills, Moraines	No	---
	Danielson	10	Drainageways	Yes	2B3
1172C:					
Sparta-Gardencity complex, 6 to 12 percent slopes	Sparta	70	Outwash plains	No	---
	Gardencity	20	Outwash plains	No	---
	Darfur	10	Drainageways	Yes	2B3
1173:					
Muskego and Klossner soils, depressional, 0 to 1 percent slopes, frequently flooded	Klossner, frequently flooded	45	Flood plains	Yes	1, 3, 4
	Muskego, frequently flooded	45	Flood plains	Yes	1, 3, 4
	Calco	5	Flood plains	Yes	2B3
	Okoboji	5	Depressions	Yes	2B3, 3
1174:					
Danielson clay loam, 1 to 3 percent slopes	Danielson	85	Drainageways, Moraines, Swales	Yes	2B3
	Lura	10	Depressions	Yes	2B3, 3
	Strout	5	Moraines	No	---

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1175:					
Swedegrove loam, 0 to 2 percent slopes	Swedegrove	90	Flats, Moraines	Yes	2B3
	Lundlake	10	Depressions	Yes	2B3, 3
1176:					
Litchfield sandy loam, 0 to 2 percent slopes	Litchfield	85	Outwash plains	No	---
	Darfur	10	Drainageways	Yes	2B3
	Dassel	5	Depressions	Yes	2B3, 3
1177C:					
Gardencity-Bold complex, 6 to 12 percent slopes, eroded	Gardencity, eroded	70	Hills, Lake plains	No	---
	Bold, eroded	20	Hills, Lake plains	No	---
	Darfur	5	Drainageways	Yes	2B3
	Madelia	5	Drainageways	Yes	2B3
1178:					
Uniongrove loam, 0 to 2 percent slopes	Uniongrove	85	Moraines, Swales	Yes	2B3
	Lundlake	10	Depressions	Yes	2B3, 3
	Swedegrove	5	Rims	Yes	2B3
1184:					
Corvuso silty clay loam, 0 to 2 percent slopes	Corvuso	85	Depressions, Flats, Moraines, Rims	Yes	2B3
	Cosmos	10	Drainageways	Yes	2B3
	Lura	5	Depressions	Yes	2B3, 3
1185:					
Gardencity fine sandy loam, moderately wet, 0 to 2 percent slopes	Gardencity, moderately wet	85	Outwash plains	No	---
	Darfur	10	Drainageways	Yes	2B3
	Dassel	5	Depressions	Yes	2B3, 3

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1193:					
Cosmos silty clay, 0 to 2 percent slopes	Cosmos	85	Flats, Moraines, Swales	Yes	2B3
	Lura	10	Depressions	Yes	2B3, 3
	Corvuso	5	Rims	Yes	2B3
1197:					
Cohoctah fine sandy loam, 0 to 2 percent slopes, occasionally flooded	Cohoctah, occasionally flooded	90	Flood plains	Yes	2B3
	Havelock	10	Flood plains	Yes	2B3
1203:					
Muskego, Blue Earth, and Houghton soils, ponded	Blue Earth, ponded	30	Depressions, Moraines	Yes	2B3, 3
	Houghton, ponded	30	Depressions, Moraines	Yes	1, 3
	Muskego, ponded	30	Depressions, Moraines	Yes	1, 3
	Okoboji	10	Depressions	Yes	2B3, 3
1204B:					
Reedslake loam, 2 to 5 percent slopes	Reedslake	85	Hills, Moraines	No	---
	Cordova	10	Drainageways	Yes	2B3
	Glencoe	5	Depressions	Yes	2B3, 3
1213C:					
Cokato-Storden complex, 6 to 12 percent slopes, eroded	Cokato, eroded	70	Hills, Moraines	No	---
	Storden, eroded	20	Hills, Moraines	No	---
	Glencoe	5	Depressions	Yes	2B3, 3
	Hamel	5	Drainageways	Yes	2B3

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1220C:					
Cokato-Storden-Hawick complex, 6 to 12 percent slopes, eroded	Cokato, eroded	55	Hills, Moraines	No	---
	Storden, eroded	20	Hills, Moraines	No	---
	Hawick, eroded	15	Hills, Moraines	No	---
	Glencoe	5	Depressions	Yes	2B3, 3
	Hamel	5	Drainageways	Yes	2B3
1356:					
Water, miscellaneous	Water, miscellaneous	100	---	Unranked	---
1383A:					
Shorewood silty clay loam, moderately wet, 0 to 3 percent slopes	Shorewood, moderately wet	90	Hills, Lake plains	No	---
	Rolfe	5	Depressions	Yes	2B3, 3
	Waldorf	5	Drainageways	Yes	2B3
1384:					
Minneopa loam, 0 to 2 percent slopes	Minneopa	85	Flats, Outwash plains	No	---
	Biscay	10	Drainageways	Yes	2B3
	Estherville	5	Outwash plains	No	---
1385:					
Havelock loam, 0 to 2 percent slopes, frequently flooded	Havelock, frequently flooded	90	Flood plains	Yes	2B3, 4
	Calco	10	Flood plains	Yes	2B3
1387A:					
Collinwood silty clay loam, moderately wet, 0 to 3 percent slopes	Collinwood, moderately wet	90	Hills, Lake plains	No	---
	Rolfe	5	Depressions	Yes	2B3, 3
	Waldorf	5	Drainageways	Yes	2B3

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
1391B:					
Wadenill-Sunburg complex, 2 to 6 percent slopes	Wadenill	70	Hills, Moraines	No	---
	Sunburg	20	Hills, Moraines	No	---
	Lundlake	5	Depressions	Yes	2B3, 3
	Uniongrove	5	Drainageways	Yes	2B3
1406:					
Medo, Dassel, and Biscay soils, ponded, 0 to 1 percent slopes	Biscay, ponded	30	Depressions, Outwash plains	Yes	2B3, 3
	Dassel, ponded	30	Depressions, Outwash plains	Yes	2B3, 3
	Medo, ponded	30	Depressions, Outwash plains	Yes	1, 3
	Houghton	10	Depressions	Yes	1, 3
1801B:					
Gardencity very fine sandy loam, 2 to 6 percent slopes	Gardencity	85	Hills, Outwash plains	No	---
	Madelia	5	Drainageways	Yes	2B3
	Sparta	5	Outwash plains	No	---
	Truman	5	Lake plains	No	---
L13A:					
Klossner muck, dpressional, 0 to 1 percent slopes	Klossner, drained	80	Depressions, Moraines	Yes	1
	Mineral soil, drained	15	Depressions, Moraines	Yes	2B3
	Houghton, drained	5	Depressions, Moraines	Yes	1
L33A:					
Kandiyohi clay, 0 to 2 percent slopes	Kandiyohi	80	Flats, Moraines, Rises	No	---
	Cosmos	10	Flats, Moraines, Swales	Yes	2B3
	Arkton	5	Hills, Moraines	No	---
	Lura, firm substratum, depressional	5	Depressions, Moraines	Yes	2B3, 3

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L33B:					
Kandiyohi clay, 2 to 5 percent slopes	Kandiyohi	80	Hills, Moraines	No	---
	Strout	10	Hills, Moraines	No	---
	Arkton	5	Hills, Moraines	No	---
	Cosmos	5	Flats, Moraines, Swales	Yes	2B3
L34A:					
Cosmos silty clay, 0 to 2 percent slopes	Cosmos	85	Flats, Moraines, Swales	Yes	2B3
	Corvuso	5	Depressions, Flats, Moraines, Rims	Yes	2B3
	Kandiyohi	5	Flats, Moraines, Rises	No	---
	Lura, firm substratum, depressional	5	Depressions, Moraines	Yes	2B3, 3
L83A:					
Webster clay loam, 0 to 2 percent slopes	Webster	65	Flats, Moraines, Swales	Yes	2B3
	Glencoe, depressional	14	Depressions, Moraines	Yes	2B3, 3
	Canisteco	8	Depressions, Flats, Moraines, Rims	Yes	2B3
	Nicollet	8	Flats, Moraines, Rises	No	---
	Poorly drained soil	5	Flats, Moraines, Swales	Yes	2B3
L84A:					
Glencoe clay loam, depressional, 0 to 1 percent slopes	Glencoe, depressional	80	Depressions, Moraines	Yes	2B3, 3
	Very poorly drained muck	10	Depressions, Moraines	Yes	2B3
	Canisteco	5	Depressions, Flats, Moraines, Rims	Yes	2B3
	Harps	5	Depressions, Rims	Yes	2B3

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L85A:					
Nicollet clay loam, 1 to 3 percent slopes	Nicollet	85	Flats, Moraines, Rises	No	---
	Clarion	10	Hills, Moraines	No	---
	Webster	5	Flats, Moraines, Swales	Yes	2B3
L107A:					
Canisteo-Glencoe, depressional complex, 0 to 2 percent slopes	Canisteo	50	Moraines, Rims	Yes	2B3
	Glencoe, depressional	35	Depressions, Moraines	Yes	2B3, 3
	Harps	9	Moraines, Rims	Yes	2B3
	Canisteo, depressional	3	Depressions, Moraines	Yes	2B3
	Crippin	3	Flats, Moraines, Rises	No	---
L163A:					
Okoboji silty clay loam, depressional, 0 to 1 percent slopes	Okoboji, depressional	92	Lake plains, Moraines	Yes	2B3
	Canisteo	2	Depressions, Flats, Moraines, Rims	Yes	2B3
	Harpster	2	Lake plains	Yes	2B3
	Knoke, depressional	2	Lake plains	Yes	2B3
	Prinsburg	2	Depressions, Flats, Lake plains, Moraines, Rims	Yes	2B3
L164A:					
Lura silty clay, depressional, firm substratum, 0 to 1 percent slopes	Lura, firm substratum, depressional	90	Depressions, Moraines	Yes	2B3, 3
	Corvuso	5	Depressions, Flats, Moraines, Rims	Yes	2B3
	Cosmos	5	Flats, Moraines, Swales	Yes	2B3

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L166C2:					
Newlondon-Strout complex, 6 to 12 percent slopes, moderately eroded	Newlondon, moderately eroded	45	Hills, Moraines	No	---
	Strout, moderately eroded	45	Hills, Moraines	No	---
	Danielson, overwash	10	Drainageways, Moraines, Swales	No	---
L166D2:					
Newlondon-Strout complex, 12 to 18 percent slopes, moderately eroded	Newlondon, moderately eroded	65	Hills, Moraines	No	---
	Strout, moderately eroded	25	Hills, Moraines	No	---
	Danielson, overwash	10	Drainageways, Moraines, Swales	No	---
L179A:					
Corvuso-Lura, depressional, firm substratum complex, 0 to 2 percent slopes	Corvuso	60	Depressions, Flats, Moraines, Rims	Yes	2B3
	Lura, firm substratum, depressional	30	Depressions, Moraines	Yes	2B3, 3
	Cosmos	5	Flats, Moraines, Swales	Yes	2B3
	Kandiyohi	5	Flats, Moraines, Rises	No	---
L184A:					
Corvuso silty clay loam, 0 to 2 percent slopes	Corvuso	85	Depressions, Flats, Moraines, Rims	Yes	2B3
	Lura, firm substratum, depressional	10	Depressions, Moraines	Yes	2B3, 3
	Cosmos	5	Flats, Moraines, Swales	Yes	2B3
L185B:					
Strout-Arkton complex, 2 to 6 percent slopes	Strout	70	Hills, Moraines	No	---
	Arkton	20	Hills, Moraines	No	---
	Cosmos	5	Flats, Moraines, Swales	Yes	2B3
	Kandiyohi	5	Hills, Moraines	No	---

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L186A:					
Danielson-Danielson, overwash complex, 1 to 4 percent slopes	Danielson	70	Drainageways, Moraines, Swales	Yes	2B3
	Danielson, overwash	20	Drainageways, Moraines, Swales	No	---
	Kandiyohi	5	Flats, Moraines, Rises	No	---
	Lura, firm substratum, depressional	5	Depressions, Moraines	Yes	2B3
L187A:					
Klossner, firm substratum, and Lura soils, ponded, 0 to 1 percent slopes	Klossner, firm substratum, ponded	45	Depressions, Moraines	Yes	1, 3
	Lura, firm substratum, ponded	45	Depressions, Moraines	Yes	2B3
	Corvuso	5	Depressions, Flats, Moraines, Rims	Yes	2B3
	Houghton, firm substratum, ponded	5	Depressions, Moraines	Yes	1, 3
L191A:					
Blue Earth, Houghton, and Klossner soils, ponded, firm substratum, 0 to 1 percent slopes	Blue Earth, firm substratum, ponded	30	Depressions, Moraines	Yes	2B3, 3
	Houghton, firm substratum, ponded	30	Depressions, Moraines	Yes	1, 3
	Klossner, firm substratum, ponded	30	Depressions, Moraines	Yes	1, 3
	Corvuso	5	Depressions, Flats, Moraines, Rims	Yes	2B3
	Lura, firm substratum, ponded	5	Depressions, Moraines	Yes	2B3, 3

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L199A:					
Muskego-Klossner, depressional, firm substratum complex, 0 to 1 percent slopes	Muskego, drained, firm substratum	45	Depressions, Moraines	Yes	1
	Klossner, drained, firm substratum	40	Depressions, Moraines	Yes	1
	Corvuso	10	Depressions, Flats, Moraines, Rims	Yes	2B3
	Lura, drained, firm substratum	5	Depressions, Moraines	Yes	2B3
L200A:					
Klossner muck, depressional, firm substratum, 0 to 1 percent slopes	Klossner, drained, firm substratum	80	Depressions, Moraines	Yes	1, 3
	Lura, drained, firm substratum	15	Depressions, Moraines	Yes	2B3, 3
	Corvuso	5	Depressions, Flats, Moraines, Rims	Yes	2B3
L204C2:					
Newlondon-Strout-Hawick complex, 6 to 12 percent slopes, moderately eroded	Newlondon	55	Hills, Moraines	No	---
	Strout	20	Hills, Moraines	No	---
	Hawick	18	Hills, Moraines	No	---
	Danielson, overwash	7	Drainageways, Moraines, Swales	No	---
L204D2:					
Newlondon-Strout-Hawick complex, 12 to 18 percent slopes, moderately eroded	Newlondon	60	Hills, Moraines	No	---
	Strout	20	Hills, Moraines	No	---
	Hawick	15	Hills, Moraines	No	---
	Danielson, overwash	5	Drainageways, Moraines, Swales	No	---
L205A:					
Blue Earth mucky silty clay loam, depressional, firm substratum, 0 to 1 percent slopes	Blue Earth, drained, firm substratum	95	Depressions, Moraines	Yes	2B3
	Corvuso	5	Depressions, Flats, Moraines, Rims	Yes	2B3

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L206B:					
Strout-Arkton-Estherville complex, 2 to 6 percent slopes	Strout	60	Hills, Moraines	No	---
	Arkton	20	Hills, Moraines	No	---
	Estherville	15	Hills, Moraines	No	---
	Cosmos	5	Flats, Moraines, Swales	Yes	2B3
L210F:					
Arkton-Strout complex, 18 to 40 percent slopes	Arkton	60	Hills, Moraines	No	---
	Strout	30	Hills, Moraines	No	---
	Danielson, overwash	10	Drainageways, Moraines, Swales	No	---
L307B:					
Koronis loam, 2 to 6 percent slopes	Koronis	80	Moraines	No	---
	Marcellon	10	Moraines	No	---
	Barry	5	Moraines	Yes	2B3
	Sunburg	5	Moraines	No	---
L307C2:					
Koronis loam, 6 to 12 percent slopes, moderately eroded	Koronis, moderately eroded	75	Moraines	No	---
	Sunburg	10	Moraines	No	---
	Forestcity	5	Moraines	Yes	2B3
	Marcellon	5	Moraines	No	---
	Terril	5	Moraines	No	---
L307E:					
Koronis loam, 18 to 40 percent slopes	Koronis	75	Moraines	No	---
	Ridgeton	10	Moraines	No	---
	Sunburg	10	Moraines	No	---
	Forestcity, overwash	5	Moraines	No	---

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L315C2:					
Sunburg-Wadenill-Hawick complex, 6 to 12 percent slopes, moderately eroded	Sunburg, moderately eroded	35	Moraines	No	---
	Wadenill, moderately eroded	30	Moraines	No	---
	Hawick	20	Moraines	No	---
	Arctander	10	Moraines	Yes	2B3
	Terril	5	Moraines	No	---
L315D2:					
Sunburg-Wadenill-Hawick complex, 12 to 18 percent slopes, moderately eroded	Sunburg, moderately eroded	35	Moraines	No	---
	Wadenill, moderately eroded	30	Moraines	No	---
	Hawick	20	Moraines	No	---
	Arctander, overwash	10	Moraines	No	---
	Ridgeton	5	Moraines	No	---
L317A:					
Barry loam, 0 to 2 percent slopes	Barry	85	Moraines	Yes	2B3
	Marcellon	10	Moraines	No	---
	Lundlake	5	Depressions, Moraines	Yes	2B3, 3
L318A:					
Lundlake silty clay loam, 0 to 1 percent slopes	Lundlake	85	Depressions, Moraines	Yes	2B3, 3
	Histic Endoaquolls	5	Depressions, Moraines	Yes	2B3, 3
	Swedegrove	5	Moraines	Yes	2B3
	Uniongrove	5	Moraines	Yes	2B3

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L319A:					
Swedegrove-Lundlake complex, 0 to 2 percent slopes	Swedegrove	65	Moraines	Yes	2B3
	Lundlake	20	Depressions, Moraines	Yes	2B3, 3
	Crowriver	10	Moraines	Yes	2B3
	Seaforth, lundlake catena	5	Moraines	No	---
L320A:					
Muskego and Klossner soils, lundlake catena, 0 to 1 percent slopes, frequently flooded	Klossner, frequently flooded	45	Flood plains	Yes	1, 3, 4
	Muskego, frequently flooded	45	Flood plains	Yes	1, 3, 4
	Suckercreek, frequently flooded	10	Flood plains	Yes	2B3, 4
L321A:					
Swedegrove loam, 0 to 2 percent slopes	Swedegrove	85	Moraines	Yes	2B3
	Crowriver	5	Moraines	Yes	2B3
	Lundlake	5	Depressions, Moraines	Yes	2B3, 3
	Seaforth, lundlake catena	5	Moraines	No	---
L322A:					
Uniongrove loam, 0 to 2 percent slopes	Uniongrove	80	Moraines	Yes	2B3
	Lundlake	10	Depressions, Moraines	Yes	2B3, 3
	Swedegrove	10	Moraines	Yes	2B3
L323A:					
Crowriver loam, 0 to 2 percent slopes	Crowriver	90	Moraines	Yes	2B3
	Lundlake	5	Depressions, Moraines	Yes	2B3, 3
	Swedegrove	5	Moraines	Yes	2B3

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L324A:					
Forestcity, overwash-Forestcity complex, 1 to 4 percent slopes	Forestcity, overwash	45	Moraines	No	---
	Forestcity	40	Moraines	Yes	2B3
	Lundlake	10	Depressions, Moraines	Yes	2B3, 3
	Marcellon	5	Moraines	No	---
L325A:					
Crowriver-Lundlake complex, 0 to 2 percent slopes	Crowriver	45	Moraines	Yes	2B3
	Lundlake	35	Depressions, Moraines	Yes	2B3, 3
	Swedegrove	15	Moraines	Yes	2B3
	Seaforth, lundlake catena	5	Moraines	No	---
L326B:					
Rohrbeck-Koronis complex, 1 to 6 percent slopes	Rohrbeck	55	Moraines	No	---
	Koronis	35	Moraines	No	---
	Barry	8	Moraines	Yes	2B3
	Lundlake	2	Depressions, Moraines	Yes	2B3, 3
L330A:					
Muskego, Blue Earth and Houghton soils, lundlake catena, 0 to 1 percent slopes, ponded	Blue Earth, ponded	30	Depressions, Moraines	Yes	2B3, 3
	Houghton, ponded	30	Depressions, Moraines	Yes	1, 3
	Muskego, ponded	30	Depressions, Moraines	Yes	1, 3
	Klossner, lundlake catena, ponded	10	Depressions, Moraines	Yes	1, 3
L331A:					
Klossner muck, lundlake catena, 0 to 1 percent slopes	Klossner, drained, lundlake catena	80	Depressions, Moraines	Yes	1, 3
	Lundlake	15	Depressions, Moraines	Yes	2B3, 3
	Houghton, drained	5	Depressions, Moraines	Yes	1, 3

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L332A:					
Blue Earth mucky silt loam, lundlake catena, 0 to 1 percent slopes	Blue Earth, lundlake catena	90	Depressions, Moraines	Yes	2B3, 3
	Swedegrove	10	Moraines	Yes	2B3
L334A:					
Houghton and Muskego soils, lundlake catena, 0 to 1 percent slopes	Houghton, surface drained	40	Depressions, Moraines	Yes	1, 3
	Muskego, surface drained	40	Depressions, Moraines	Yes	1, 3
	Klossner, drained lundlake catena	10	Depressions, Moraines	Yes	1, 3
	Lundlake	10	Depressions, Moraines	Yes	2B3, 3
L335A:					
Klossner soils, lundlake catena, 0 to 1 percent slopes	Klossner, surface drained, lundlake catena	65	Depressions, Moraines	Yes	1, 3
	Klossner, drained, lundlake catena	20	Depressions, Moraines	Yes	1, 3
	Lundlake	15	Depressions, Moraines	Yes	2B3, 3
L336A:					
Arctander, overwash-Arctander complex, 1 to 4 percent slopes	Arctander, overwash	45	Moraines	No	---
	Arctander	35	Moraines	Yes	2B3
	Arctander, frequently flooded	8	Moraines	Yes	2B3
	Terril	7	Moraines	No	---
	Lundlake	5	Depressions, Moraines	Yes	2B3, 3
L337B:					
Wadenill-Sunburg complex, 2 to 6 percent slopes	Wadenill	65	Moraines	No	---
	Sunburg	20	Moraines	No	---
	Grovecity	10	Moraines	No	---
	Uniongrove	5	Moraines	Yes	2B3

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L340B:					
Wadenill-Sunburg-Hawick complex, 2 to 6 percent slopes	Wadenill	50	Moraines	No	---
	Sunburg	25	Moraines	No	---
	Hawick	15	Moraines	No	---
	Grovecity	5	Moraines	No	---
	Uniongrove	5	Moraines	Yes	2B3
L345A:					
Seaforth loam, lundlake catena, 1 to 3 percent slopes	Seaforth, lundlake catena	75	Moraines	No	---
	Swedegrove	15	Moraines	Yes	2B3
	Grovecity	5	Moraines	No	---
	Lundlake	5	Depressions, Moraines	Yes	2B3, 3
L347A:					
Klossner and Lundlake soils, 0 to 1 percent slopes, ponded	Klossner, lundlake catena, ponded	50	Depressions, Moraines	Yes	1, 3
	Lundlake, ponded	45	Depressions, Moraines	Yes	2B3, 3
	Houghton, ponded	5	Depressions, Moraines	Yes	1, 3
L350A:					
Marcellon loam, 0 to 3 percent slopes	Marcellon	85	Moraines	No	---
	Barry	8	Moraines	Yes	2B3
	Koronis	5	Moraines	No	---
	Lundlake	2	Depressions, Moraines	Yes	2B3, 3
L351A:					
Houghton muck, lundlake catena, 0 to 1 percent slopes	Houghton, drained	80	Depressions, Moraines	Yes	1, 3
	Klossner, drained, lundlake catena	10	Depressions, Moraines	Yes	1, 3
	Lundlake	10	Depressions, Moraines	Yes	2B3, 3

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L352A:					
Muskego muck, lundlake catena, 0 to 1 percent slopes	Muskego, drained, lundlake catena	90	Depressions, Moraines	Yes	1, 3
	Blue Earth, drained, lundlake catena	10	Depressions, Moraines	Yes	2B3, 3
L353B:					
Wadenill loam, 2 to 6 percent slopes	Wadenill	80	Moraines	No	---
	Uniongrove	10	Moraines	Yes	2B3
	Grovecity	5	Moraines	No	---
	Sunburg	5	Moraines	No	---
L354A:					
Grovecity loam, 1 to 3 percent slopes	Grovecity	75	Moraines	No	---
	Uniongrove	10	Moraines	Yes	2B3
	Wadenill	10	Moraines	No	---
	Lundlake	5	Depressions, Moraines	Yes	2B3, 3
L355B:					
Koronis-Sunburg-Hawick complex, 2 to 6 percent slopes	Koronis	50	Moraines	No	---
	Sunburg	20	Moraines	No	---
	Hawick	15	Moraines	No	---
	Marcellon	10	Moraines	No	---
	Barry	5	Moraines	Yes	2B3
L355C2:					
Koronis-Sunburg-Hawick complex, 6 to 12 percent slopes, moderately eroded	Koronis, moderately eroded	45	Moraines	No	---
	Sunburg, moderately eroded	25	Moraines	No	---
	Hawick	15	Moraines	No	---
	Terril	10	Moraines	No	---
	Forestcity	5	Moraines	Yes	2B3

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L355D2:					
Koronis-Sunburg-Hawick complex, 12 to 18 percent slopes, moderately eroded	Koronis, moderately eroded	40	Moraines	No	---
	Sunburg, moderately eroded	30	Moraines	No	---
	Hawick	15	Moraines	No	---
	Ridgeton	10	Moraines	No	---
	Forestcity, overwash	5	Moraines	No	---
L355E:					
Koronis-Sunburg-Hawick complex, 18 to 40 percent slopes	Koronis	50	Moraines	No	---
	Sunburg	20	Moraines	No	---
	Hawick	15	Moraines	No	---
	Ridgeton	10	Moraines	No	---
	Forestcity, overwash	5	Moraines	No	---
L356C2:					
Sunburg-Wadenill complex, 6 to 12 percent slopes, moderately eroded	Sunburg, moderately eroded	60	Moraines	No	---
	Wadenill, moderately eroded	30	Moraines	No	---
	Arctander	5	Moraines	Yes	2B3
	Terril	5	Moraines	No	---
L356D2:					
Sunburg-Wadenill complex, 12 to 18 percent slopes, moderately eroded	Sunburg, moderately eroded	70	Moraines	No	---
	Wadenill, moderately eroded	20	Moraines	No	---
	Arctander, overwash	5	Moraines	No	---
	Ridgeton	5	Moraines	No	---

Hydric Soils

Meeker County, Minnesota

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
L357B:					
Koronis-Sunburg complex, 2 to 6 percent slopes	Koronis	60	Moraines	No	---
	Sunburg	20	Moraines	No	---
	Marcellon	10	Moraines	No	---
	Barry	5	Moraines	Yes	2B3
	Lundlake	5	Depressions, Moraines	Yes	2B3, 3
L357C2:					
Koronis-Sunburg complex, 6 to 12 percent slopes, moderately eroded	Koronis, moderately eroded	60	Moraines	No	---
	Sunburg, moderately eroded	20	Moraines	No	---
	Forestcity	10	Moraines	Yes	2B3
	Lundlake	5	Depressions, Moraines	Yes	2B3, 3
	Terril	5	Moraines	No	---
L357D2:					
Koronis-Sunburg complex, 12 to 18 percent slopes, moderately eroded	Koronis, moderately eroded	65	Moraines	No	---
	Sunburg, moderately eroded	20	Moraines	No	---
	Ridgeton	10	Moraines	No	---
	Forestcity, overwash	5	Moraines	No	---
W:					
Water	Water	100	---	Unranked	---

Hydric Soils

This table lists the map unit components that are rated as hydric soils in the survey area. This list can help in planning land uses; however, onsite investigation is recommended to determine the hydric soils on a specific site (National Research Council, 1995; Hurt and others, 2002).

The three essential characteristics of wetlands are hydrophytic vegetation, hydric soils, and wetland hydrology (Cowardin and others, 1979; U.S. Army Corps of Engineers, 1987; National Research Council, 1995; Tiner, 1985). Criteria for all of the characteristics must be met for areas to be identified as wetlands. Undrained hydric soils that have natural vegetation should support a dominant population of ecological wetland plant species. Hydric soils that have been converted to other uses should be capable of being restored to wetlands.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). These soils, under natural conditions, are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2003) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and others, 2002).

Hydric soils are identified by examining and describing the soil to a depth of about 20 inches. This depth may be greater if determination of an appropriate indicator so requires. It is always recommended that soils be excavated and described to the depth necessary for an understanding of the redoximorphic processes. Then, using the completed soil descriptions, soil scientists can compare the soil features required by each indicator and specify which indicators have been matched with the conditions observed in the soil. The soil can be identified as a hydric soil if at least one of the approved indicators is present.

Map units that are dominantly made up of hydric soils may have small areas, or inclusions, of nonhydric soils in the higher positions on the landform, and map units dominantly made up of nonhydric soils may have inclusions of hydric soils in the lower positions on the landform.

The criteria for hydric soils are represented by codes in the table (for example, 2B3). Definitions for the codes are as follows:

1. All Histels except for Folistels, and Histosols except for Folists.
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, Pachic subgroups, or Cumulic subgroups that:
 - A. are somewhat poorly drained and have a water table at the surface (0.0 feet) during the growing season, or
 - B. are poorly drained or very poorly drained and have either:
 - 1) a water table at the surface (0.0 feet) during the growing season if textures are coarse sand, sand, or fine sand in all layers within a depth of 20 inches, or
 - 2) a water table at a depth of 0.5 foot or less during the growing season if permeability is equal to or greater than 6.0 in/hr in all layers within a depth of 20 inches, or
 - 3) a water table at a depth of 1.0 foot or less during the growing season if permeability is less than 6.0 in/hr in any layer within a depth of 20 inches.
3. Soils that are frequently ponded for long or very long duration during the growing season.
4. Soils that are frequently flooded for long or very long duration during the growing season.

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