

Water Management

Map symbol and soil name	Component percent	Limitations for--			Features affecting--			
		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
7A: Hubbard-----	95	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
7B: Hubbard-----	95	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
7C: Hubbard-----	95	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
32B: Nebish-----	85	Moderate: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: soil blowing	Favorable
32C: Nebish-----	85	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
32D: Nebish-----	85	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
32E: Nebish-----	85	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
38B: Waukon-----	90	Moderate: seepage slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: soil blowing	Favorable
75: Bluffton, DEPRESSIONAL-	90	Moderate: seepage	Severe: piping ponding	Severe: slow refill	Limitation: frost action ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
125: Beltrami-----	90	Moderate: seepage	Severe: piping	Severe: slow refill cutbanks cave	Limitation: frost action	Limitation: wetness soil blowing	Limitation: wetness soil blowing	Favorable

See footnote at end of table.

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
152C: Milaca-----	95	Severe: slope	Moderate: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: percs slowly slope	Limitation: slope droughty
152E: Milaca-----	95	Severe: slope	Moderate: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: percs slowly slope	Limitation: slope droughty
158A: Zimmerman-----	95	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
158B: Zimmerman-----	95	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
158C: Zimmerman-----	95	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
158E: Zimmerman-----	95	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
161: Isanti, DEPRESSIONAL---	95	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: wetness droughty
162: Lino-----	95	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
164A: Mora-----	95	Moderate: seepage	Severe: piping	Severe: no water	Limitation: frost action percs slowly	Limitation: wetness droughty	Limitation: percs slowly wetness	Limitation: percs slowly rooting depth droughty

See footnote at end of table.

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
165: Parent-----	90	Moderate: seepage	Severe: piping wetness	Severe: no water	Limitation: frost action percs slowly	Limitation: wetness droughty	Limitation: percs slowly wetness	Limitation: rooting depth wetness droughty
166: Ronneby-----	90	Moderate: seepage	Severe: piping	Severe: no water	Limitation: frost action percs slowly	Limitation: percs slowly wetness	Limitation: wetness	Limitation: percs slowly rooting depth wetness
169B: Braham-----	90	Severe: seepage	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope soil blowing	Limitation: erodes easily soil blowing	Limitation: erodes easily
169C: Braham-----	90	Severe: seepage slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope soil blowing	Limitation: erodes easily slope soil blowing	Limitation: erodes easily slope
169D: Braham-----	90	Severe: seepage slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope soil blowing	Limitation: erodes easily slope soil blowing	Limitation: erodes easily slope
204B: Cushing-----	90	Moderate: seepage slope	Severe: thin layer	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: soil blowing	Favorable
204C: Cushing-----	95	Severe: slope	Severe: thin layer	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
258B: Sandberg-----	95	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
258C: Sandberg-----	95	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
258E: Sandberg-----	95	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
260: Duelm-----	95	Severe: seepage	Severe: seepage piping	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy soil blowing	Limitation: droughty
261: Isan, DEPRESSIONAL----	95	Severe: seepage	Severe: seepage piping ponding	Severe: cutbanks cave	Limitation: ponding cutbanks cave	Limitation: ponding droughty	Limitation: too sandy soil blowing ponding	Limitation: wetness droughty
325: Prebish, DEPRESSIONAL--	95	Moderate: seepage	Severe: piping ponding	Severe: slow refill	Limitation: frost action ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness
341: Arvilla-----	95	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
346: Talmoon-----	90	Slight	Severe: piping wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily wetness	Limitation: erodes easily wetness
373: Renshaw-----	95	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: droughty	Limitation: too sandy	Limitation: droughty
454B: Mahtomedi-----	95	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
454C: Mahtomedi-----	95	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy	Limitation: rooting depth slope droughty
540: Seelyeville-----	95	Severe: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness
543: Markey-----	90	Severe: seepage	Severe: seepage piping ponding	Severe: slow refill cutbanks cave	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: too sandy soil blowing ponding	Limitation: wetness

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
544: Cathro-----	95	Severe: seepage	Severe: piping ponding	Severe: slow refill	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness
565: Eckvoll-----	90	Severe: seepage	Moderate: piping wetness	Severe: no water	Limitation: frost action	Limitation: fast intake wetness soil blowing	Limitation: erodes easily wetness soil blowing	Limitation: erodes easily
567: Verndale-----	95	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
623A: Pierz-----	95	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: soil blowing	Limitation: too sandy soil blowing	Favorable
623B: Pierz-----	95	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: too sandy soil blowing	Favorable
708: Rushlake-----	85	Severe: seepage	Severe: seepage	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
730A: Sanburn-----	90	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: droughty	Limitation: too sandy soil blowing	Limitation: droughty
730B: Sanburn-----	90	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
732B: Bushville-----	95	Severe: seepage	Severe: piping	Severe: no water	Limitation: percs slowly slope	Limitation: slope wetness droughty	Limitation: percs slowly wetness soil blowing	Limitation: percs slowly rooting depth droughty
768: Mosford-----	95	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
771: Elkriver, RARELY FLOODED-----	95	Severe: seepage	Severe: piping	Severe: cutbanks cave	Limitation: deep to water	Limitation: soil blowing	Limitation: soil blowing	Favorable
799: Seelyeville, FREQUENTLY FLOODED-----	45	Severe: seepage	Severe: excess humus wetness	Severe: slow refill	Limitation: flooding frost action subsides	Limitation: flooding wetness soil blowing	Limitation: wetness soil blowing	Limitation: wetness
Bowstring, FREQUENTLY FLOODED-----	45	Severe: seepage	Severe: excess humus ponding	Severe: slow refill cutbanks cave	Limitation: flooding subsides ponding	Limitation: flooding ponding	Limitation: ponding	Limitation: wetness
1013: Pits-----	90	---	---	---	---	---	---	---
1015: Udipsamments (cut And Fill Land)-----	90	---	---	---	---	---	---	---
1016: Udorthents (cut And Fill Land)-----	90	---	---	---	---	---	---	---
1028: Udorthents-----	45	---	---	---	---	---	---	---
Pits, Gravel-----	40	---	---	---	---	---	---	---
1109: Isanti-----	90	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: wetness droughty
1110: Isan-----	90	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: wetness droughty
1223: Sandberg-----	60	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
Arvilla-----	30	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
1224: Hubbard-----	60	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
Verndale-----	35	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
1231: Hubbard-----	60	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
Mosford-----	35	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
1253B: Stonelake-----	60	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: too sandy	Limitation: droughty
Sanburn-----	30	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
1253C: Stonelake-----	65	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy	Limitation: slope droughty
Sanburn-----	25	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
1253E: Stonelake-----	65	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
Sanburn-----	25	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
1254: Ricelake-----	90	Severe: seepage	Severe: piping wetness	Severe: slow refill cutbanks cave	Limitation: frost action	Limitation: wetness	Limitation: wetness soil blowing	Favorable

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
1255: Elkriver, OCCASIONALLY FLOODED-----	90	Severe: seepage	Severe: piping wetness	Severe: cutbanks cave	Limitation: flooding	Limitation: flooding wetness soil blowing	Limitation: wetness soil blowing	Favorable
1256: Cantlin-----	90	Severe: seepage	Severe: seepage piping	Severe: cutbanks cave	Limitation: deep to water	Limitation: fast intake soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
1257: Elkriver, RARELY FLOODED-----	55	Severe: seepage	Severe: piping	Severe: cutbanks cave	Limitation: deep to water	Limitation: soil blowing	Limitation: soil blowing	Favorable
Mosford, RARELY FLOODED	35	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
1258B: Zimmerman, THICK SOLUM-	95	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
1258C: Zimmerman, THICK SOLUM-	95	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
1258E: Zimmerman, THICK SOLUM-	95	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
1260B: Stonelake-----	55	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
Nebish-----	30	Moderate: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: soil blowing	Favorable

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
1260C: Stonelake-----	55	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
Nebish-----	30	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
1260E: Stonelake-----	60	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy	Limitation: slope droughty
Nebish-----	25	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
1270B: Milaca, MODERATELY WET-	90	Moderate: slope	Moderate: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: percs slowly	Limitation: rooting depth droughty
1288: Seelyeville, PONDED----	60	Severe: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness
Markey, PONDED-----	30	Severe: seepage	Severe: seepage piping ponding	Severe: slow refill cutbanks cave	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: too sandy soil blowing ponding	Limitation: wetness
1356: Water-----	100	---	---	---	---	---	---	---
1946: Fordum, FREQUENTLY FLOODED-----	65	Severe: seepage	Severe: seepage piping ponding	Severe: cutbanks cave	Limitation: flooding frost action ponding	Limitation: flooding ponding droughty	Limitation: erodes easily too sandy ponding	Limitation: erodes easily wetness droughty
Winterfield, FREQUENTLY FLOODED-----	20	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: flooding cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: wetness droughty
W: Water-----	100	---	---	---	---	---	---	---

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. See text for definitions of terms used in this table. Absence of an entry indicates that no rating is applicable.) See footnote at end of table.