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, 2006) 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 Vasilas, 2006).

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, 2). 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. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
   B. Show evidence that the soil meets the definition of a hydric soil;
3. Soils that are frequently ponded for long or very long duration during the growing season.
   A. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
   B. Show evidence that the soil meets the definition of a hydric soil;
4. Map unit components that are frequently flooded for long duration or very long duration during the growing season that:
   A. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
   B. Show evidence that the soil meets the definition of a hydric soil;

Hydric Condition: Food Security Act information regarding the ability to grow a commodity crop without removing woody vegetation or manipulating hydrology.

References:
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Report—Hydric Soils

Hydric Soils–Taylor County, Florida				
Map symbol and map unit name	**Component**	**Percent of map unit**	**Landform**	**Hydric criteria**
3—Clara and Osier fine sands				
	Meadowbrook	4	Flats on marine terraces	2
5—Chaires fine sand				
	Meadowbrook	3	Flats on marine terraces	2
	Wekiva	2	Flats on marine terraces	2
	Tooles	2	Depressions on marine terraces	2, 3
6—Leon fine sand				
	Tooles	3	Depressions on marine terraces	2, 3
	Meadowbrook, depressional	3	Depressions on marine terraces	2, 3
8—Meadowbrook fine sand				
	Goldhead	4	Flood plains on marine terraces	2, 4
	Meadowbrook, hydric	4	Depressions on marine terraces	2, 3
9—Sapelo fine sand				
	Leon, depressional	3	Flats on marine terraces, depressions on marine terraces	2
	Sapelo, depressional	2	Flats on marine terraces, depressions on marine terraces	2
10—Mandarin-Hurricane complex, 0 to 3 percent slopes				
	Lynn haven, depressional	3	Depressions on marine terraces	2, 3
	Wesconnett	3	Depressions on marine terraces	2, 3
12—Ortega fine sand, 0 to 5 percent slopes				
	Lynn haven, depressional	3	Depressions on marine terraces	2, 3
13—Hurricane fine sand, 0 to 3 percent slopes				
	Lynn haven, depressional	3	Depressions on marine terraces	2, 3
14—Chipley-Lynn Haven, depressional-Boulogne complex, 0 to 3 percent slopes				
	Lynn haven, depressional	25	Depressions on marine terraces	2, 3
	Surrency	5	Depressions on marine terraces	2, 3

Hydric Soils–Taylor County, Florida				
Map symbol and map unit name	**Component**	**Percent of map unit**	**Landform**	**Hydric criteria**
16—Lutterloh-Ridgewood complex, 0 to 3 percent slopes				
	Tennille	3	Flats on marine terraces	2
	Meadowbrook, hydric	3	Depressions on marine terraces	2, 3
19—Otela-Ortega-Lutterloh complex, 0 to 5 percent slopes				
	Starke	1	Depressions on marine terraces	2, 3
23—Melvina-Moriah-Lutterloh complex				
	Wekiva	4	Flats on marine terraces	2
24—Albany sand, 0 to 5 percent slopes				
	Lynn haven, depressional	4	Depressions on marine terraces	2, 3
25—Pottsburg fine sand				
	Lynn haven, depressional	3	Depressions on marine terraces	2, 3
27—Plummer fine sand				
	Plummer, hydric	30	Flats on marine terraces	2
	Plummer, depressional	7	Depressions on marine terraces	2, 3
	Goldhead	4	Flood plains on marine terraces	2, 4
	Starke	4	Depressions on marine terraces	2, 3
	Surrency	4	Depressions on marine terraces	2, 3
28—Surrency, Starke, and Croatan soils, depressional				
	Surrency	39	Depressions on marine terraces	2, 3
	Starke	27	Depressions on marine terraces	2, 3
	Croatan	21	Depressions on marine terraces	1, 3
	Lynn haven, depressional	3	Depressions on marine terraces	2, 3
	Sapelo, depressional	2	Flats on marine terraces, depressions on marine terraces	2
29—Albany-Surrency, depressional, complex, 0 to 3 percent slopes				
	Surrency	38	Depressions on marine terraces	2, 3
	Plummer, hydric	9	Flats on marine terraces	2

Hydric Soils–Taylor County, Florida				
Map symbol and map unit name	**Component**	**Percent of map unit**	**Landform**	**Hydric criteria**
30—Dorovan and Pamlico soils, depressional				
	Dorovan	56	Depressions on marine terraces	1, 3
	Pamlico	32	Depressions on marine terraces	1, 3
	Clara	2	Depressions on marine terraces	2, 3
	Evergreen	2	Depressions on marine terraces	2, 3
	Sapelo, depressional	2	Flats on marine terraces, depressions on marine terraces	2
	Wekiva	2	Flats on marine terraces	2
33—Wesconnett, Evergreen, and Pamlico soils, depressional				
	Wesconnett	41	Depressions on marine terraces	2, 3
	Evergreen	25	Depressions on marine terraces	2, 3
	Pamlico	20	Depressions on marine terraces	1, 3
	Starke	3	Depressions on marine terraces	2, 3
	Surrency	2	Depressions on marine terraces	2, 3
34—Clara and Bodiford soils, frequently flooded				
	Clara	58	Flood plains on marine terraces	2, 4
	Bodiford	21	Flood plains on marine terraces	2, 4
	Croatan	4	Depressions on marine terraces	1, 3
	Meadowbrook, frequently flooded	4	Flood plains on marine terraces	2, 4
	Pamlico	4	Depressions on marine terraces	1, 3
	Tooles	3	Flats on marine terraces	2
	Tennille	3	Flats on marine terraces	2

Hydric Soils–Taylor County, Florida				
Map symbol and map unit name	**Component**	**Percent of map unit**	**Landform**	**Hydric criteria**
35—Tooles, Meadowbrook, and Wekiva soils, frequently flooded				
	Tooles	40	Flood plains on marine terraces	2, 4
	Meadowbrook, frequently flooded	28	Flood plains on marine terraces	2, 4
	Wekiva	23	Flood plains on marine terraces	2, 3, 4
	Clara	3	Flood plains on marine terraces	2, 4
	Tennille	3	Flats on marine terraces	2
	Nutall, frequently flooded	3	Flood plains on marine terraces	2, 4
37—Tooles and Meadowbrook soils, depressional				
	Tooles, depressional	48	Depressions on marine terraces	2, 3
	Meadowbrook, depressional	36	Depressions on marine terraces	2, 3
	Nutall, frequently flooded	4	Flood plains on marine terraces	2, 4
	Wekiva	3	Depressions on marine terraces	2, 3
	Tennille	3	Flats on marine terraces	2
	Pamlico	3	Depressions on marine terraces	1, 3
	Surrency	3	Depressions on marine terraces	2, 3
38—Clara and Meadowbrook soils, depressional				
	Clara	44	Depressions on marine terraces	2, 3
	Meadowbrook	32	Depressions on marine terraces	2, 3
	Starke	4	Depressions on marine terraces	2, 3
	Dorovan	4	Depressions on marine terraces	1, 3
	Croatan	4	Depressions on marine terraces	1, 3
40—Lutterloh fine sand, limestone substratum				
	Tooles	5	Flats on marine terraces	2

Hydric Soils–Taylor County, Florida				
Map symbol and map unit name	**Component**	**Percent of map unit**	**Landform**	**Hydric criteria**
41—Tooles-Meadowbrook complex				
	Tooles	48	Depressions on marine terraces	2, 3
	Meadowbrook	32	Flats on marine terraces	2
	Wekiva	3	Flats on marine terraces	2
	Tennille	3	Flats on marine terraces	2
45—Chaires fine sand, limestone substratum				
	Wekiva	3	Flats on marine terraces	2
46—Pits				
	Pits	12	Flats	2
	Pits	11	Depressions	2, 3
48—Wekiva-Tennille-Tooles complex, occasionally flooded				
	Wekiva	44	Flats on marine terraces	2
	Tennille	28	Flats on marine terraces	2
	Tooles	16	Flats on marine terraces	2
51—Tooles-Nutall complex, frequently flooded				
	Tooles, frequently flooded	60	Flood plains on marine terraces	2, 4
	Nutall, frequently flooded	30	Flood plains on marine terraces	2, 4
	Goldhead	4	Flood plains on marine terraces	2, 4
	Starke	3	Depressions on marine terraces	2, 3
	Tennille	3	Flats on marine terraces	2
52—Clara, depressional-Clara-Meadowbrook complex, occasionally flooded				
	Clara, depressional	30	Depressions on marine terraces	2, 3
	Meadowbrook	20	Flats on marine terraces	2
	Leon, depressional	4	Flats on marine terraces, depressions on marine terraces	2
	Tooles	3	Depressions on marine terraces	2, 3

Hydric Soils–Taylor County, Florida				
Map symbol and map unit name	**Component**	**Percent of map unit**	**Landform**	**Hydric criteria**
53—Bayvi muck, frequently flooded				
	Bayvi, frequently flooded	81	Tidal marshes on marine terraces	2, 4
	Lynn haven, depressional	5	Depressions on marine terraces	2, 3
	Nutall, frequently flooded	5	Flood plains on marine terraces	2, 4
	Tennille	4	Flats on marine terraces	2
54—Meadowbrook-Tooles-Clara, depressional, complex				
	Clara, depressional	20	Depressions on marine terraces	2, 3
	Wekiva	15	Flats on marine terraces	2
	Meadowbrook, depressional	4	Depressions on marine terraces	2, 3
	Tennille	4	Flats on marine terraces	2
57—Sapelo fine sand				
	Sapelo, depressional	81	Flats on marine terraces, depressions on marine terraces	2
	Croatan	5	Depressions on marine terraces	1, 3
	Leon, depressional	5	Flats on marine terraces, depressions on marine terraces	2
	Evergreen	5	Depressions on marine terraces	2, 3
	Pamlico	4	Depressions on marine terraces	1, 3
58—Leon mucky fine sand				
	Leon, depressional	90	Depressions on marine terraces, flats on marine terraces	2
	Evergreen	3	Depressions on marine terraces	2, 3
	Pamlico	2	Depressions on marine terraces	1, 3

Hydric Soils–Taylor County, Florida				
Map symbol and map unit name	**Component**	**Percent of map unit**	**Landform**	**Hydric criteria**
60—Chaires, limestone substratum-Meadowbrook, limestone substratum, complex, rarely flooded				
	Clara, depressional	5	Depressions on marine terraces	2, 3
	Meadowbrook, depressional	4	Depressions on marine terraces	2, 3
	Lynn haven, depressional	4	Depressions on marine terraces	2, 3
	Leon, depressional	4	Flats on marine terraces, depressions on marine terraces	2
61—Wekiva-Tooles,depressional-Tennille complex, rarely flooded				
	Wekiva	43	Flats on marine terraces	2
	Tooles, depressional	25	Depressions on marine terraces	2, 3
	Meadowbrook	4	Flats on marine terraces	2
	Wekiva, depressional	4	Depressions on marine terraces	2, 3
62—Tooles-Tennille-Wekiva complex, depressional				
	Tooles	45	Depressions on marine terraces	2, 3
	Wekiva, depressional	25	Depressions on marine terraces	2, 3
	Tennille	25	Depressions on marine terraces	2, 3
	Goldhead	5	Flood plains on marine terraces	2, 4
63—Steinhatchee fine sand				
	Tennille	5	Flats on marine terraces	2
	Tooles	5	Depressions on marine terraces	2, 3
	Meadowbrook	5	Flats on marine terraces	2
64—Tooles-Wekiva complex				
	Wekiva	27	Flats on marine terraces	2
	Meadowbrook	5	Flats on marine terraces	2

Hydric Soils–Taylor County, Florida				
Map symbol and map unit name	**Component**	**Percent of map unit**	**Landform**	**Hydric criteria**
65—Yellowjacket and Maurepas mucks, frequently flooded				
	Maurepas	45	Flood plains on marine terraces	1, 4
	Yellowjacket	45	Flood plains on marine terraces	1, 4
	Tooles	5	Flood plains on marine terraces	2, 4
	Pamlico	5	Depressions on marine terraces	1, 3
67—Yellowjacket and Maurepas mucks, depressional				
	Yellowjacket, depressional	45	Depressions on marine terraces	1, 3
	Maurepas, depressional	40	Depressions on marine terraces	1, 3
	Meadowbrook, depressional	8	Depressions on marine terraces	2, 3
	Tooles, depressional	7	Depressions on marine terraces	2, 3
68—Matmon-Wekiva-Rock outcrop complex, occasionally flooded				
	Wekiva	35	Flood plains on marine terraces	2
	Tennille	5	Flats on marine terraces	2
69—Eunola, Goldhead, and Tooles fine sands, commonly flooded				
	Goldhead	20	Flood plains on marine terraces	2, 4
	Tooles	11	Flood plains on marine terraces	2, 4
	Wekiva	6	Flood plains on marine terraces	2, 3, 4
70—Chiefland-Chiefland, frequently flooded, complex				
	Tooles, frequentlyn flooded	6	Flood plains on marine terraces	2, 4
	Nutall, frequently flooded	6	Flood plains on marine terraces	2, 4
71—Leon fine sand, rarely flooded				
	Tooles, depressional	3	Depressions on marine terraces	2, 3
	Wekiva	3	Flats on marine terraces	2

Hydric Soils–Taylor County, Florida				
Map symbol and map unit name	**Component**	**Percent of map unit**	**Landform**	**Hydric criteria**
72—Chaires fine sand, rarely flooded				
	Meadowbrook, depressional	3	Depressions on marine terraces	2, 3
	Tooles	3	Flats on marine terraces	2
	Tooles, depressional	3	Depressions on marine terraces	2, 3
	Meadowbrook	3	Flats on marine terraces	2
	Wekiva	2	Flats on marine terraces	2
73—Chipley sand, 0 to 5 percent slopes				
	Lynn haven, depressional	3	Depressions on marine terraces	2, 3
	Wesconnett	3	Depressions on marine terraces	2, 3
74—Mascotte sand				
	Surrency	3	Depressions on marine terraces	2, 3

Data Source Information

Soil Survey Area: Taylor County, Florida
Survey Area Data: Version 11, Dec 3, 2013