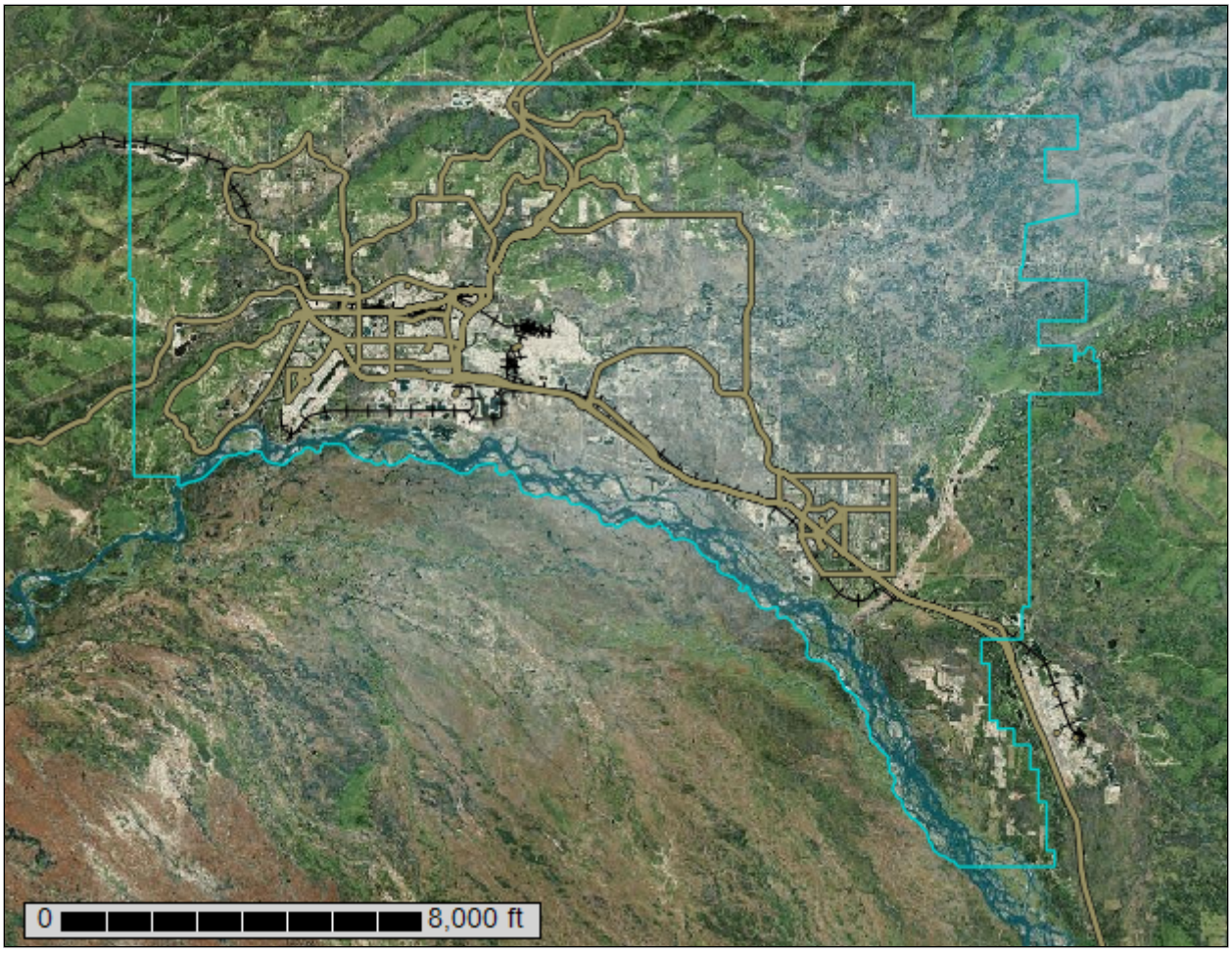
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Greater Fairbanks Area, Alaska



October 24, 2014

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (http://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means

for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Contents

Soil Information for All Uses

Soil Reports

The Soil Reports section includes various formatted tabular and narrative reports (tables) containing data for each selected soil map unit and each component of each unit. No aggregation of data has occurred as is done in reports in the Soil Properties and Qualities and Suitabilities and Limitations sections.

The reports contain soil interpretive information as well as basic soil properties and qualities. A description of each report (table) is included.

Land Classifications

This folder contains a collection of tabular reports that present a variety of soil groupings. The reports (tables) include all selected map units and components for each map unit. Land classifications are specified land use and management groupings that are assigned to soil areas because combinations of soil have similar behavior for specified practices. Most are based on soil properties and other factors that directly influence the specific use of the soil. Example classifications include ecological site classification, farmland classification, irrigated and nonirrigated land capability classification, and hydric rating.

Hydric Soil List - All Components

This table lists the map unit components and their hydric status 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:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. Doc. 2012-4733 Filed 2-28-12. February, 28, 2012. Hydric soils of the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Vasilas, L.M., G.W. Hurt, and C.V. Noble, editors. Version 7.0, 2010. Field indicators of hydric soils in the United States.

Report—Hydric Soil List - All Components

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
101: Bolio peat	Bolio	70-85	Depressions on terraces,flats on terraces	Yes	1,3
	Lemeta	5-15	Fens on terraces	Yes	1,3
	Goldstream	0-10	Valley floors	Yes	2,3
	Chatanika	0-5	Hills	Yes	2
	Water	0-5	Depressions	Unranked	—
102: Bradway very fine sandy loam	Bradway	75-90	Depressions	Yes	2,3
	Mosquito	0-10	Depressions on alluvial flats	Yes	2,3
	North Pole	0-10	Alluvial flats	Yes	2,3
	Tanana	0-10	Terraces	Yes	2,3
	Noonku	0-5	Sloughs	Yes	2,3
103: Chatanika mucky silt loam, 0 to 3 percent slopes	Chatanika	70-80	Hills	Yes	2
	Goldstream	5-15	Flood plains	Yes	2,3
	Chatanika	5-10	Hills	Yes	2
	Minto	3-7	Hills	No	—
	Saulich	0-5	Valley sides	Yes	2
	Water	0-5	Lakes	Unranked	—
	Histels	0-5	Flats on terraces,depressions on terraces	Yes	1,3
104: Chatanika mucky silt loam, 3 to 7 percent slopes	Chatanika	70-80	Hills	Yes	2
	Chatanika	0-5	Hills	Yes	2
	Goldstream	0-10	Flood plains	Yes	2,3
	Minto	0-5	Hills	No	—
	Saulich	0-5	Valley sides	Yes	2
	Chatanika	0-5	Hills	Yes	2
105: Chatanika mucky silt loam, 7 to 12 percent slopes	Chatanika	75-85	Hills	Yes	2
	Chatanika	0-5	Hills	Yes	2
	Goldstream	0-10	Flood plains	Yes	2,3
	Minto	0-10	Hills	No	—
	Chatanika	0-5	Hills	Yes	2
106: Chatanika mucky silt loam, 12 to 20 percent slopes	Chatanika	75-85	Hills	Yes	2
	Chatanika	0-10	Hills	Yes	2

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Goldstream	0-10	Flood plains	Yes	2,3
	Minto	0-10	Hills	No	—
107: Chatanika-Goldstream complex	Chatanika	50-60	Hills	Yes	2
	Goldstream	30-40	Flood plains	Yes	2,3
	Minto	0-5	Hills	No	—
	Chatanika	0-5	Hills	Yes	2
	Histels	0-5	Flats on terraces,depressions on terraces	Yes	1,3
	Water	0-5	Lakes	Unranked	—
108: Chena very fine sandy loam	29-Chena	80-95	Flood plains	No	—
	29-Noonku	0-10	Flood plains	Yes	2,3
	29-Jarvis	0-10	Flood plains	No	—
109: Dumps, landfill	Dumps-Landfill	100-100	—	Unranked	—
110: Dumps, mine	Dumps-Mine	100-100	—	Unranked	—
111: Eielson fine sandy loam	Eielson	70-90	Flood plains	No	—
	Peede	10-15	Depressions on flood plains	Yes	2,3
	Tanana-Rare brief flooding	0-15	Terraces	Yes	2,3
112: Eielson-Piledriver complex	Eielson	50-70	Flood plains	No	—
	Piledriver	25-40	Flood plains	No	—
	Fubar	0-5	Flood plains	No	—
	Noonku	0-5	Flood plains	Yes	2,3
	Salchaket	0-5	Flood plains	No	—
113: Eielson-Tanana complex	Eielson	30-60	Flood plains	No	—
	Tanana-Rare brief flooding	20-50	Terraces	Yes	2,3
	Peede	10-15	Depressions on flood plains	Yes	2,3
	Tanacross	0-5	Flood plains	Yes	2,3
114: Ester peat, 20 to 45 percent slopes	Ester	65-75	Hills	Yes	2
	Brigadier	0-5	Hills	No	—
	Ester	0-5	Hills	Yes	2
	Ester	0-10	Hills	Yes	2
	Saulich	0-5	Valley sides	Yes	2
	Steese	0-5	Hills	No	—
115: Ester peat, very steep	Ester	70-80	Hills	Yes	2
	Brigadier	5-10	Hills	No	—

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Ester	5-10	Hills	Yes	2
	Gilmore	0-10	Hills	No	—
116: Fairbanks silt loam, 3 to 7 percent slopes	Fairbanks	75-85	Hills	No	—
	Minto	5-12	Hills	No	—
	Fairbanks	2-10	Hills	No	—
	Fairbanks	2-10	Hills	No	—
117: Fairbanks silt loam, 7 to 12 percent slopes	Fairbanks	75-90	Hills	No	—
	Fairbanks	0-15	Hills	No	—
	Minto	0-10	Hills	No	—
	Fairbanks	0-5	Hills	No	—
118: Fairbanks silt loam, 12 to 20 percent slopes	Fairbanks	65-80	Hills	No	—
	Fairbanks	0-15	Hills	No	—
	Fairbanks	0-15	Hills	No	—
	Minto	0-5	Hills	No	—
	Steese	0-10	Hills	No	—
119: Fairbanks silt loam, 20 to 30 percent slopes	Fairbanks	75-90	Hills	No	—
	Fairbanks	0-15	Hills	No	—
	Fairbanks	0-5	Hills	No	—
	Steese	0-10	Hills	No	—
120: Fairbanks silt loam, 30 to 45 percent slopes	Fairbanks	80-90	Hills	No	—
	Steese	0-15	Hills	No	—
	Fairbanks-Slopes less than 30 percent	0-5	Hills	No	—
	Fairbanks-Slopes more than 45 percent	0-15	Hills	No	—
121: Fairbanks silt loams, strongly sloping and steep	Fairbanks	55-65	Hills	No	—
	Fairbanks	25-65	Hills	No	—
	Minto	0-10	Hills	No	—
	Steese	0-10	Hills	No	—
122: Fairbanks-Steese complex, 12 to 20 percent slopes	Fairbanks	50-60	Hills	No	—
	Steese	25-40	Hills	No	—
	Fairbanks	2-7	Hills	No	—
	Steese	2-5	Hills	No	—
	Fairbanks	2-7	Hills	No	—
	Steese	2-5	Hills	No	—

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Gilmore	0-5	Hills	No	—
123: Fairbanks-Steese complex, 20 to 30 percent slopes	Fairbanks	30-60	Hills	No	—
	Steese	15-50	Hills	No	—
	Steese-Slopes less than 20 percent	3-12	Hills	No	—
	Fairbanks-Slopes less than 20 percent	3-12	Hills	No	—
	Steese-Slopes more than 30 percent	0-5	Hills	No	—
	Gilmore	0-5	Hills	No	—
124: Fubar-Piledriver complex, occasionally flooded	Fubar	40-50	Flood plains	No	—
	Piledriver	40-50	Flood plains	No	—
	Eielson	0-5	Flood plains	No	—
	Noonku	0-5	Sloughs	Yes	2,3
	North Pole	0-5	Alluvial flats	Yes	2,3
125: Gilmore silt loam, 3 to 7 percent slopes	Gilmore	70-90	Hills	No	—
	Gilmore-Slopes less than 3 percent	5-10	Hills	No	—
	Steese	2-10	Hills	No	—
	Gilmore-Slopes more than 7 percent	2-10	Hills	No	—
126: Gilmore silt loam, 7 to 12 percent slopes	Gilmore	65-75	Hills	No	—
	Gilmore	10-15	Hills	No	—
	Gilmore	5-10	Hills	No	—
	Steese	5-10	Hills	No	—
127: Gilmore silt loam, 12 to 20 percent slopes	Gilmore	70-80	Hills	No	—
	Gilmore	10-15	Hills	No	—
	Gilmore	5-12	Hills	No	—
	Steese	5-10	Hills	No	—
128: Gilmore silt loam, 20 to 30 percent slopes	Gilmore	65-80	Hills	No	—
	Gilmore	5-15	Hills	No	—
	Steese	5-15	Hills	No	—
	Gilmore	0-5	Hills	No	—
	Ester	0-5	Hills	Yes	2
129: Gilmore silt loam, 30 to 45 percent slopes	Gilmore	80-90	Hills	No	—
	Gilmore	5-10	Hills	No	—

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Steese	0-10	Hills	No	—
	Rock outcrop	0-5	Hills	Unranked	—
130: Gilmore silt loam, 45 to 70 percent slopes	Gilmore	80-90	Hills	No	—
	Ester	0-10	Hills	Yes	2
	Gilmore	0-10	Hills	No	—
	Steese	0-10	Hills	No	—
	Rock outcrop	0-5	Hills	Unranked	—
131: Gilmore-Ester complex, 12 to 70 percent slopes	Ester	30-50	Hills	Yes	2
	Gilmore	35-55	Hills	No	—
	Brigadier	7-15	Hills	No	—
	Steese	0-7	Hills	No	—
	Saulich	0-5	Valley sides	Yes	2
132: Gilmore-Steese complex, 3 to 15 percent slopes	Gilmore	60-70	Hills	No	—
	Steese	30-40	Hills	No	—
	Steese	0-5	Hills	No	—
133: Goldstream peat, 0 to 3 percent slopes	Goldstream	70-85	Flood plains	Yes	2,3
	Chatanika	5-15	Hills	Yes	2
	Histels	0-5	Flats on terraces,depressions on terraces	Yes	1,3
	Goldstream	0-5	Flood plains	Yes	2,3
	29-Typic Cryaquents-Frequent long ponding	0-5	Flood plains	Yes	2,3
134: Goldstream peat, 3 to 7 percent slopes	Goldstream	80-85	Flood plains	Yes	2,3
	Chatanika	0-15	Hills	Yes	2
	Histels	0-7	Flats on terraces,depressions on terraces	Yes	1,3
	Minto	0-5	Hills	No	—
	29-Typic Cryaquents-Frequent long ponding	0-5	Flood plains	Yes	2,3
135: Goldstream-Histels complex, 0 to 3 percent slopes	Goldstream	40-60	Flood plains	Yes	2,3
	Histels	45-50	Flats on terraces,depressions on terraces	Yes	1,3
	Terric Cryofibrists	0-10	Thermokarst depressions	Yes	1,3

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
136: Histels	Histels	85-90	Flats on terraces,depressions on terraces	Yes	1,3
	Goldstream	10-15	Flood plains	Yes	2,3
137: Jarvis fine sandy loam	29-Jarvis	70-80	Flood plains	No	—
	29-Salchaket	0-15	Flood plains	No	—
	29-Tanana	0-5	Flood plains	Yes	2,3
	29-Chena	0-5	Flood plains	No	—
	29-Noonku	0-10	Flood plains	Yes	2,3
138: Jarvis-Chena complex	Jarvis	50-60	Flood plains	No	—
	Chena	30-40	Stream terraces	No	—
	Noonku	0-10	Flood plains	Yes	2,3
	Salchaket	0-10	Flood plains	No	—
139: Jarvis-Salchaket complex	29-Salchaket	40-50	Flood plains	No	—
	29-Jarvis	40-50	Flood plains	No	—
	29-Tanana	0-5	Flood plains	Yes	2,3
	29-Noonku	0-5	Flood plains	Yes	2,3
	29-Chena	0-2	Flood plains	No	—
	29-North Pole	0-5	Flood plains	Yes	2,3
	29-Riverwash	0-5	Flood plains	Unranked	—
140: Lemeta peat	Lemeta	70-80	Fens on terraces	Yes	1,3
	Bolio	0-10	Depressions on terraces,flats on terraces	Yes	1,3
	Goldstream	5-15	Valley floors	Yes	2,3
	Chatanika	0-5	Hills	Yes	2
	Water	0-5	Depressions	Unranked	—
141: Liscum-Noonku complex	Liscum	45-55	Alluvial flats	Yes	2,3
	Noonku	35-50	Sloughs	Yes	2,3
	North Pole	0-7	Alluvial flats	Yes	2,3
142: Minto silt loam, 0 to 3 percent slopes	Minto	75-85	Hills	No	—
	Chatanika	5-10	Hills	Yes	2
	Minto	2-10	Hills	No	—
	Fairbanks	0-10	Hills	No	—
143: Minto silt loam, 3 to 7 percent slopes	Minto	60-80	Hills	No	—
	Chatanika	10-15	Hills	Yes	2
	Minto	5-10	Hills	No	—
	Minto	0-5	Hills	No	—
	Fairbanks	0-10	Hills	No	—

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
144: Minto silt loam, 7 to 12 percent slopes	Minto	50-70	Hills	No	—
	Chatanika	5-15	Hills	Yes	2
	Minto	5-15	Hills	No	—
	Minto	5-15	Hills	No	—
	Saulich	0-5	Valley sides	Yes	2
	Fairbanks	5-15	Hills	No	—
145: Minto-Chatanika complex, 0 to 3 percent slopes	Minto	35-50	Hills	No	—
	Chatanika	35-50	Hills	Yes	2
	Chatanika	2-10	Hills	Yes	2
	Goldstream	2-10	Flood plains	Yes	2,3
	Minto	2-10	Hills	No	—
146: Minto-Chatanika complex, 3 to 7 percent slopes	Minto	30-40	Hills	No	—
	Chatanika	30-40	Hills	Yes	2
	Minto	5-10	Hills	No	—
	Minto	5-10	Hills	No	—
	Saulich	0-10	Valley sides	Yes	2
	Goldstream	0-5	Flood plains	Yes	2,3
	Chatanika	0-5	Hills	Yes	2
	Chatanika	0-5	Hills	Yes	2
147: Minto-Chatanika complex, 7 to 12 percent slopes	Minto	40-50	Hills	No	—
	Chatanika	40-50	Hills	Yes	2
	Minto	5-15	Hills	No	—
	Chatanika	2-10	Hills	Yes	2
	29-Typic Cryaquents-Frequent long ponding	0-5	Flood plains	Yes	2,3
148: Minto-Chatanika complex, 12 to 20 percent slopes	Minto	40-50	Hills	No	—
	Chatanika	40-50	Hills	Yes	2
	Minto	5-15	Hills	No	—
	Chatanika	2-10	Hills	Yes	2
	Saulich	0-5	Valley sides	Yes	2
149: Mosquito mucky peat	Mosquito	70-90	Depressions on alluvial flats	Yes	2,3
	Liscum	0-5	Alluvial flats	Yes	2,3

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Bradway-Frequent long ponding	0-10	Depressions	Yes	2,3
	Bolio	0-10	Depressions on terraces	Yes	1,3
	Water	0-5	Lakes	Unranked	—
150: Mosquito-Noonku complex	Mosquito	30-50	Depressions on alluvial flats	Yes	2,3
	Noonku	30-50	Sloughs	Yes	2,3
	Bradway	0-10	Depressions	Yes	2,3
	North Pole	0-10	Alluvial flats	Yes	2,3
	Tanana	0-10	Terraces	Yes	2,3
151: Noonku very fine sandy loam	Noonku	75-85	Sloughs	Yes	2,3
	North Pole	0-10	Alluvial flats	Yes	2,3
	Tanana	0-10	Terraces	Yes	2,3
	Liscum	0-5	Alluvial flats	Yes	2,3
	Tanacross	0-5	Alluvial flats	Yes	2,3
152: North Pole fine sandy loam	North Pole	75-90	Flood plains	Yes	2,3
	Tanana-Rare brief flooding	0-10	Terraces	Yes	2,3
	Mosquito	0-10	Depressions on alluvial flats	Yes	2,3
	Noonku	0-5	Flood plains	Yes	2,3
	Eielson	0-5	Flood plains	No	—
	Liscum	0-5	Alluvial flats	Yes	2,3
153: North Pole-Mosquito-Liscum complex	North Pole	20-55	Flood plains	Yes	2,3
	Mosquito	20-40	Depressions on alluvial flats	Yes	2,3
	Liscum	15-25	Alluvial flats	Yes	2,3
	Typic Cryaquents-Occasional long flooding	0-10	Flood plains	Yes	2,3
	Histels	0-10	Depressions on terraces,flats on terraces	Yes	1,3
154: North Pole-Noonku complex	North Pole	50-65	Alluvial flats	Yes	2,3
	Noonku	15-35	Sloughs	Yes	2,3
	Piledriver	0-5	Flood plains	No	—
	Tanana	0-5	Terraces	Yes	2,3
	Bradway	0-10	Depressions	Yes	2,3
	Eielson	0-5	Flood plains	No	—

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
155: Peede silt loam	Peede	60-90	Depressions on flood plains	Yes	2,3
	Mosquito	5-25	Depressions on alluvial flats	Yes	2,3
	Liscum	0-15	Alluvial flats	Yes	2,3
156: Peede-Mosquito complex	Peede	60-80	Depressions on flood plains	Yes	2,3
	Mosquito	20-30	Depressions on alluvial flats	Yes	2,3
	Liscum	0-10	Alluvial flats	Yes	2,3
157: Piledriver very fine sandy loam	Piledriver	70-90	Flood plains	No	—
	Eielson	5-15	Flood plains	No	—
	Fubar	5-10	Flood plains	No	—
	Tanana-Rare brief flooding	0-5	Terraces	Yes	2,3
	North Pole	0-5	Flood plains	Yes	2,3
158: Piledriver-Eielson complex	Piledriver	45-60	Flood plains	No	—
	Eielson	30-40	Flood plains	No	—
	Fubar	0-10	Flood plains	No	—
	Noonku	0-10	Flood plains	Yes	2,3
	Riverwash	0-5	Flood plains	Unranked	—
159: Piledriver-Fubar complex	Piledriver	40-50	Flood plains	No	—
	Fubar	40-50	Flood plains	No	—
	Eielson	0-10	Flood plains	No	—
	Noonku	0-5	Flood plains	Yes	2,3
160: Pits, gravel	Pits-Gravel	100-100	—	Unranked	—
161: Pits, quarry	Pits-Quarry	100-100	—	Unranked	—
162: Riverwash	Riverwash	100-100	Flood plains	Unranked	—
163: Salchaket very fine sandy loam	29-Salchaket	80-90	Flood plains	No	—
	29-Jarvis	5-10	Flood plains	No	—
	29-Tanana	5-10	Flood plains	Yes	2,3
	29-Chena	0-2	Flood plains	No	—
164: Salchaket-Typic Cryorthents complex	Salchaket	40-50	Flood plains	No	—
	Typic Cryorthents	30-40	Flood plains,terraces	No	—
	Jarvis	0-15	Flood plains	No	—
	Fubar	0-5	Flood plains	No	—
165: Saulich peat, 3 to 7 percent slopes	Saulich	70-85	Valley sides	Yes	2
	Saulich	3-10	Valley sides	Yes	2

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Goldstream	3-10	Flood plains	Yes	2,3
	Saulich	3-10	Valley sides	Yes	2
	Chatanika	0-5	Hills	Yes	2
	Minto	0-5	Hills	No	—
166: Saulich peat, 7 to 12 percent slopes	Saulich	75-85	Valley sides	Yes	2
	Saulich	3-5	Valley sides	Yes	2
	Goldstream	3-10	Flood plains	Yes	2,3
	Saulich	3-5	Valley sides	Yes	2
	Chatanika	0-5	Hills	Yes	2
	Minto	0-5	Hills	No	—
167: Saulich peat, 12 to 20 percent slopes	Saulich	70-85	Valley sides	Yes	2
	Goldstream	5-10	Valley floors	Yes	2,3
	Saulich-Slopes less than 12 percent	5-10	Valley sides	Yes	2
	Saulich-Slopes more than 20 percent	5-10	Valley sides	Yes	2
	Ester	0-7	Hills	Yes	2
	Chatanika	0-5	Hills	Yes	2
	Minto	0-5	Hills	No	—
168: Saulich-Minto complex, 3 to 12 percent slopes	Saulich	30-45	Valley sides	Yes	2
	Minto	30-45	Hills	No	—
	Minto-Slopes more than 12 percent	2-10	Hills	No	—
	Saulich-Slopes less than 7 percent	2-10	Valley sides	Yes	2
	Saulich-Slopes more than 12 percent	2-7	Valley sides	Yes	2
	Minto-Slopes less than 7 percent	2-7	Hills	No	—
	Goldstream	0-5	Valley floors	Yes	2,3
	Chatanika	0-10	Hills	Yes	2
169: Saulich-Minto complex, 12 to 20 percent slopes	Saulich	30-45	Valley sides	Yes	2
	Minto	30-45	Hills	No	—
	Minto-Slopes less than 12 percent	0-7	Hills	No	—
	Minto-Slopes more than 20 percent	0-7	Hills	No	—

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Saulich-Slopes more than 20 percent	0-7	Valley sides	Yes	2
	Saulich-Slopes less than 12 percent	0-7	Valley sides	Yes	2
	Chatanika	0-7	Hills	Yes	2
	Ester	0-5	Hills	Yes	2
	Goldstream	0-5	Valley floors	Yes	2,3
170: Steese silt loam, 3 to 7 percent slopes	Steese	75-85	Hills	No	—
	Steese	2-10	Hills	No	—
	Gilmore	2-10	Hills	No	—
	Fairbanks	2-10	Hills	No	—
171: Steese silt loam, 7 to 12 percent slopes	Steese	70-80	Hills	No	—
	Steese	2-10	Hills	No	—
	Fairbanks	2-10	Hills	No	—
	Gilmore	2-10	Hills	No	—
172: Steese silt loam, 12 to 20 percent slopes	Steese	60-75	Hills	No	—
	Steese	2-10	Hills	No	—
	Fairbanks	2-10	Hills	No	—
	Gilmore	2-10	Hills	No	—
	Steese	2-10	Hills	No	—
173: Steese silt loam, 20 to 30 percent slopes	Steese	70-85	Hills	No	—
	Steese	2-10	Hills	No	—
	Steese	2-10	Hills	No	—
	Gilmore	2-10	Hills	No	—
	Fairbanks	2-10	Hills	No	—
	Ester	0-5	Hills	Yes	2
174: Steese silt loam, 30 to 45 percent slopes	Steese	80-95	Hills	No	—
	Steese	5-15	Hills	No	—
	Gilmore	0-10	Hills	No	—
175: Steese silt loam, 45 to 70 percent slopes	Steese	85-95	Hills	No	—
	Gilmore	0-10	Hills	No	—
	Steese-Slopes less than 45 percent	5-10	Hills	No	—
176: Steese-Gilmore complex, 12 to 20 percent slopes	Steese	30-60	Hills	No	—
	Gilmore	20-40	Hills	No	—

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Gilmore	5-15	Hills	No	—
	Steese	5-15	Hills	No	—
177: Steese-Gilmore complex, 20 to 30 percent slopes	Steese	30-60	Hills	No	—
	Gilmore	30-50	Hills	No	—
	Gilmore	2-15	Hills	No	—
	Steese	2-12	Hills	No	—
178: Steese-Gilmore complex, 30 to 45 percent slopes	Gilmore	0-50	Hills	No	—
	Steese	30-50	Hills	No	—
	Steese	5-15	Hills	No	—
	Gilmore	5-15	Hills	No	—
179: Steese-Gilmore complex, 45 to 70 percent slopes	Steese	40-60	Hills	No	—
	Gilmore	40-60	Hills	No	—
	Steese	2-10	Hills	No	—
	Gilmore	2-10	Hills	No	—
180: Tanacross peat	Tanacross	85-95	Flood plains	Yes	2,3
	Tanana-Rare brief flooding	5-15	Terraces	Yes	2,3
181: Tanana mucky silt loam	Tanana-Rare brief flooding	60-85	Terraces	Yes	2,3
	Tanacross	5-15	Flood plains	Yes	2,3
	Bolio	0-5	Depressions on terraces	Yes	1,3
	Jarvis	2-5	Flood plains	No	—
	Noonku	3-5	Flood plains	Yes	2,3
	Salchaket	5-10	Flood plains	No	—
182: Tanana-Mosquito complex	Tanana-Rare brief flooding	50-70	Terraces	Yes	2,3
	Mosquito	20-25	Depressions on alluvial flats	Yes	2,3
	Jarvis	5-15	Flood plains	No	—
	Liscum	0-5	Alluvial flats	Yes	2,3
	Noonku	0-5	Flood plains	Yes	2,3
183: Typic Cryaquent, Histic Cryaquept, and Terric Cryofibrist soils	Typic Cryaquents-Frequent long ponding	0-90	Flood plains	Yes	2,3
	Histic Cryaquepts	20-50	Depressions on terraces	Yes	2,3

Hydric Soil List - All Components–AK610-Greater Fairbanks Area, Alaska					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Terric Cryofibrists	0-80	Thermokarst depressions	Yes	1,3
	Histels	0-50	Depressions on terraces,flats on terraces	Yes	1,3
	Water	0-20	Lakes	Unranked	—
184: Typic Cryorthents, pit spoil	Typic Cryorthents	3-95	Flood plains,terraces	No	—
	Fubar	0-10	Flood plains	No	—
	Jarvis	0-10	Flood plains	No	—
	Piledriver	0-10	Flood plains	No	—
	Salchaket	0-10	Flood plains	No	—
185: Typic Cryorthents-Urban land complex	Typic Cryorthents-Fill	40-60	Flood plains,terraces	No	—
	Urban land	30-60	—	Unranked	—
	Salchaket	0-15	Flood plains	No	—
	Jarvis	0-10	Flood plains	No	—
	Fubar	0-10	Flood plains	No	—
186: Urban land	Urban land	100-100	—	Unranked	—
187: Water	Water	100-100	Lakes	Unranked	—