

## Map Unit Description

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. All the soils of a series have major horizons that are similar in composition, thickness, and arrangement. Soils of a given series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Additional information about the map units described in this report is available in other soil reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the soil reports define some of the properties included in the map unit descriptions.

## Report—Map Unit Description

### Gadsden County, Florida

#### 2—Albany-Blanton complex, 0 to 5 percent slopes

##### Map Unit Setting

*National map unit symbol:* 1hclw

*Elevation:* 20 to 660 feet

*Mean annual precipitation:* 53 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

### Map Unit Composition

*Albany and similar soils: 50 percent*

*Blanton and similar soils: 38 percent*

*Minor components: 12 percent*

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Albany

#### Setting

*Landform: Ridges on marine terraces, knolls on marine terraces*

*Landform position (three-dimensional): Side slope, interfluvium*

*Down-slope shape: Convex*

*Across-slope shape: Linear*

*Parent material: Sandy and loamy marine deposits and/or fluvio-marine deposits*

#### Typical profile

*A - 0 to 8 inches: sand*

*E - 8 to 55 inches: sand*

*Btg - 55 to 80 inches: sandy clay loam*

#### Properties and qualities

*Slope: 0 to 5 percent*

*Depth to restrictive feature: More than 80 inches*

*Natural drainage class: Somewhat poorly drained*

*Runoff class: Very low*

*Capacity of the most limiting layer to transmit water (Ksat):*

*Moderately high to high (0.20 to 2.00 in/hr)*

*Depth to water table: About 12 to 30 inches*

*Frequency of flooding: None*

*Frequency of ponding: None*

*Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)*

*Sodium adsorption ratio, maximum in profile: 4.0*

*Available water storage in profile: Very low (about 2.3 inches)*

#### Interpretive groups

*Land capability classification (irrigated): None specified*

*Land capability classification (nonirrigated): 3e*

*Hydrologic Soil Group: A/D*

*Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)*

### Description of Blanton

#### Setting

*Landform: Knolls, marine terraces*

*Parent material: Sandy and loamy marine deposits*

#### Typical profile

*A - 0 to 8 inches: sand*

*E - 8 to 50 inches: sand*

*Bt1 - 50 to 54 inches:* sandy loam  
*Bt2 - 54 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.20 to 2.00 in/hr)  
*Depth to water table:* About 42 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.8 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Upland Hardwood Hammock (R133AY008FL)

**Minor Components**

**Bonneau**

*Percent of map unit:* 5 percent  
*Landform:* Knolls on marine terraces  
*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

**Chipley**

*Percent of map unit:* 4 percent  
*Landform:* Knolls on marine terraces  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

**Foxworth**

*Percent of map unit:* 3 percent  
*Landform:* Knolls on marine terraces  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**3—Albany-Ousley-Pelham complex, 0 to 5 percent slopes, occasionally flooded**

**Map Unit Setting**

*National map unit symbol:* 1hclx  
*Elevation:* 30 to 660 feet  
*Mean annual precipitation:* 53 to 70 inches

*Mean annual air temperature:* 63 to 70 degrees F  
*Frost-free period:* 232 to 320 days  
*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Albany and similar soils:* 39 percent  
*Ousley and similar soils:* 30 percent  
*Pelham and similar soils:* 16 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Albany**

#### **Setting**

*Landform:* Knolls on marine terraces  
*Parent material:* Sandy and loamy marine deposits and/or fluvio-marine deposits

#### **Typical profile**

*A - 0 to 6 inches:* sand  
*E - 6 to 47 inches:* sand  
*Btg - 47 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.20 to 2.00 in/hr)  
*Depth to water table:* About 12 to 30 inches  
*Frequency of flooding:* Occasional  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.1 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Sandy or sandy over loamy soils on stream terraces or flood plains (G133AA134FL), Upland Hardwood Hammock (R133AY008FL)

### **Description of Ousley**

#### **Setting**

*Landform:* Knolls, stream terraces on marine terraces, flood plains on marine terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear

*Parent material:* Sandy alluvium

**Typical profile**

*A - 0 to 4 inches:* sand  
*C - 4 to 80 inches:* sand

**Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (6.00 to 20.00 in/hr)  
*Depth to water table:* About 18 to 36 inches  
*Frequency of flooding:* Occasional  
*Frequency of ponding:* Rare  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Very low (about 2.6 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Sandy or sandy over loamy soils on stream terraces or flood plains (G133AA134FL), Upland Hardwood Hammock (R133AY008FL)

**Description of Pelham**

**Setting**

*Landform:* Flats on flood plains on marine terraces  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits

**Typical profile**

*A - 0 to 8 inches:* sand  
*E - 8 to 34 inches:* sand  
*Btg1 - 34 to 49 inches:* fine sandy loam  
*Btg2 - 49 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Poorly drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 6 to 18 inches  
*Frequency of flooding:* Occasional  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.1 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 5w  
*Hydrologic Soil Group:* B/D  
*Other vegetative classification:* Sandy over loamy soils on stream terraces, flood plains, or in depressions (G133AA245FL), North Florida Flatwoods (R133AY004FL)

**Minor Components**

**Blanton**

*Percent of map unit:* 10 percent  
*Landform:* Knolls, marine terraces  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Upland Hardwood Hammock (R133AY008FL)

**Chipley**

*Percent of map unit:* 5 percent  
*Landform:* Knolls on marine terraces  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

**5—Blanton sand, 0 to 5 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1hclz  
*Elevation:* 50 to 660 feet  
*Mean annual precipitation:* 49 to 69 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 252 to 320 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Blanton and similar soils:* 80 percent  
*Minor components:* 20 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Blanton**

**Setting**

*Landform:* Knolls, marine terraces  
*Parent material:* Sandy and loamy marine deposits

**Typical profile**

*A - 0 to 5 inches:* sand  
*E - 5 to 41 inches:* sand  
*Bt1 - 41 to 48 inches:* sandy loam  
*Bt2 - 48 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.20 to 2.00 in/hr)  
*Depth to water table:* About 42 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Upland Hardwood Hammock (R133AY008FL)

### Minor Components

#### Bonifay

*Percent of map unit:* 12 percent  
*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

#### Alpin

*Percent of map unit:* 8 percent  
*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

## 6—Blanton sand, 5 to 8 percent slopes

### Map Unit Setting

*National map unit symbol:* 1hcm0  
*Elevation:* 30 to 660 feet  
*Mean annual precipitation:* 53 to 70 inches  
*Mean annual air temperature:* 63 to 70 degrees F  
*Frost-free period:* 232 to 320 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Blanton and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Blanton**

#### **Setting**

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits

#### **Typical profile**

*A - 0 to 4 inches:* sand

*E - 4 to 40 inches:* sand

*Bt1 - 40 to 53 inches:* sandy loam

*Bt2 - 53 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 5 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.20 to 2.00 in/hr)

*Depth to water table:* About 42 to 72 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 4.6 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Upland Hardwood Hammock (R133AY008FL)

### **Minor Components**

#### **Albany**

*Percent of map unit:* 10 percent

*Landform:* Ridges on marine terraces, hills on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)

**Chipley**

*Percent of map unit:* 5 percent

*Landform:* Ridges, knolls on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

**9—Bonifay-Alpin complex, 0 to 5 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1hcm3

*Elevation:* 30 to 660 feet

*Mean annual precipitation:* 49 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 232 to 320 days

*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Bonifay and similar soils:* 52 percent

*Alpin and similar soils:* 38 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Bonifay**

**Setting**

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits

**Typical profile**

*A - 0 to 9 inches:* loamy sand

*E - 9 to 42 inches:* loamy sand

*Bt - 42 to 52 inches:* sandy loam

*Btv - 52 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high (0.20 to 0.60 in/hr)

*Depth to water table:* About 54 to 66 inches

*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.8 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**Description of Alpin**

**Setting**

*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy marine deposits

**Typical profile**

*A - 0 to 6 inches:* sand  
*E - 6 to 65 inches:* sand  
*E and Bt - 65 to 80 inches:* sand

**Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Excessively drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* High (1.98 to 5.95 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.7 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**Minor Components**

**Chipley**

*Percent of map unit:* 5 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

**Blanton**

*Percent of map unit:* 5 percent

*Landform:* Knolls, marine terraces

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**10—Bonifay-Albany-Centenary complex, 0 to 5 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1hcm4

*Elevation:* 10 to 660 feet

*Mean annual precipitation:* 53 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 295 days

*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Bonifay and similar soils:* 40 percent

*Albany and similar soils:* 25 percent

*Centenary and similar soils:* 20 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Bonifay**

**Setting**

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluvium

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits

**Typical profile**

*A - 0 to 5 inches:* loamy sand

*E - 5 to 57 inches:* loamy sand

*Bt - 57 to 63 inches:* sandy loam

*Btv - 63 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high (0.20 to 0.60 in/hr)

*Depth to water table:* About 54 to 66 inches

*Frequency of flooding:* None

*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.8 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**Description of Albany**

**Setting**

*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

**Typical profile**

*A - 0 to 7 inches:* sand  
*E - 7 to 55 inches:* sand  
*Btg - 55 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.20 to 2.00 in/hr)  
*Depth to water table:* About 12 to 30 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Very low (about 2.3 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)

**Description of Centenary**

**Setting**

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy marine deposits

**Typical profile**

*A - 0 to 5 inches:* sand  
*E - 5 to 64 inches:* sand  
*Bh - 64 to 80 inches:* loamy sand

**Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* High (1.98 to 5.95 in/hr)  
*Depth to water table:* About 42 to 60 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Very low (about 2.5 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**Minor Components**

**Foxworth**

*Percent of map unit:* 10 percent  
*Landform:* Knolls on marine terraces  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**Chipley**

*Percent of map unit:* 5 percent  
*Landform:* Knolls on marine terraces  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

**11—Troup-Bonifay-Fuquay complex, 8 to 15 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1hcm5  
*Elevation:* 40 to 660 feet  
*Mean annual precipitation:* 53 to 69 inches

*Mean annual air temperature:* 63 to 70 degrees F  
*Frost-free period:* 239 to 320 days  
*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Troup and similar soils:* 35 percent  
*Bonifay and similar soils:* 30 percent  
*Fuquay and similar soils:* 25 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Troup**

#### **Setting**

*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits

#### **Typical profile**

*A - 0 to 4 inches:* sand  
*E1 - 4 to 16 inches:* sand  
*E2 - 16 to 52 inches:* loamy sand  
*Bt - 52 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 8 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat excessively drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.1 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of xeric uplands (G133AA113FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **Description of Bonifay**

#### **Setting**

*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits

**Typical profile**

*A - 0 to 4 inches:* loamy sand  
*E - 4 to 48 inches:* loamy sand  
*Bt - 48 to 54 inches:* sandy loam  
*Btv - 54 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 8 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* About 54 to 66 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.4 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**Description of Fuquay**

**Setting**

*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

**Typical profile**

*A - 0 to 5 inches:* sand  
*E - 5 to 34 inches:* sand  
*Bt - 34 to 40 inches:* sandy loam  
*Btv - 40 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 8 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* About 48 to 60 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 4.9 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4s

*Hydrologic Soil Group:* B

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

#### **Minor Components**

##### **Bonneau**

*Percent of map unit:* 5 percent

*Landform:* Hills on marine terraces, hillslopes on marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

##### **Albany**

*Percent of map unit:* 5 percent

*Landform:* Ridges on marine terraces, hills on marine terraces

*Landform position (three-dimensional):* Interfluvium, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)

## **12—Bonneau-Leefield-Norfolk complex, 0 to 5 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1hcm6

*Elevation:* 20 to 450 feet

*Mean annual precipitation:* 53 to 73 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Farmland of local importance

#### **Map Unit Composition**

*Bonneau and similar soils:* 32 percent

*Leefield and similar soils:* 29 percent

*Norfolk and similar soils:* 27 percent

*Minor components:* 12 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Bonneau**

#### **Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Sandy and loamy marine deposits

#### **Typical profile**

*A - 0 to 7 inches:* sand

*E - 7 to 27 inches:* sand

*Bt1 - 27 to 36 inches:* fine sandy loam

*Bt2 - 36 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 42 to 60 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 5.9 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2s

*Hydrologic Soil Group:* B

*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

### **Description of Leefield**

#### **Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Sandy and loamy marine deposits

#### **Typical profile**

*A - 0 to 9 inches:* sand

*E - 9 to 28 inches:* sand

*Bt - 28 to 42 inches:* sandy loam

*Btv - 42 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high (0.20 to 0.57 in/hr)

*Depth to water table:* About 18 to 30 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.1 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2w  
*Hydrologic Soil Group:* B/D  
*Other vegetative classification:* Sandy over loamy soils on rises and knolls of mesic uplands (G133AA231FL), North Florida Flatwoods (R133AY004FL)

#### **Description of Norfolk**

##### **Setting**

*Landform:* Knolls on marine terraces  
*Parent material:* Loamy marine deposits and/or fluviomarine deposits

##### **Typical profile**

*A - 0 to 6 inches:* loamy fine sand  
*Bt1 - 6 to 11 inches:* sandy loam  
*Bt2 - 11 to 25 inches:* sandy clay loam  
*Bt3 - 25 to 44 inches:* sandy loam  
*Bt4 - 44 to 80 inches:* sandy clay loam

##### **Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 48 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.5 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

#### **Minor Components**

##### **Ocilla**

*Percent of map unit:* 7 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy over loamy soils on rises and knolls of mesic uplands (G133AA231FL), North Florida Flatwoods (R133AY004FL)

**Troup**

*Percent of map unit:* 5 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluvium

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**14—Cowarts-Dothan-Fuquay complex, 5 to 8 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1hcm8

*Elevation:* 150 to 700 feet

*Mean annual precipitation:* 53 to 67 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* All areas are prime farmland

**Map Unit Composition**

*Cowarts and similar soils:* 33 percent

*Dothan and similar soils:* 30 percent

*Fuquay and similar soils:* 28 percent

*Minor components:* 9 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Cowarts**

**Setting**

*Landform:* Ridges, marine terraces

*Landform position (three-dimensional):* Interfluvium, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Loamy marine deposits

**Typical profile**

*A - 0 to 4 inches:* loamy fine sand

*BE - 4 to 8 inches:* fine sandy loam

*Bt - 8 to 40 inches:* sandy clay loam

*C - 40 to 80 inches:* sandy loam

**Properties and qualities**

*Slope:* 5 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.60 in/hr)

*Depth to water table:* About 36 to 54 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.4 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on ridges and side slopes of mesic uplands (G133AA312FL)

#### **Description of Dothan**

##### **Setting**

*Landform:* Ridges, marine terraces

*Landform position (three-dimensional):* Interfluvial, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Loamy marine deposits

##### **Typical profile**

*A - 0 to 6 inches:* loamy fine sand

*Bt - 6 to 11 inches:* fine sandy loam

*Btv - 11 to 80 inches:* sandy clay loam

##### **Properties and qualities**

*Slope:* 5 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 36 to 54 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 8.0 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

## Description of Fuquay

### Setting

*Landform:* Ridges, marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

### Typical profile

*A - 0 to 6 inches:* sand  
*E - 6 to 33 inches:* sand  
*Bt - 33 to 45 inches:* sandy loam  
*Btv - 45 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 5 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* About 48 to 60 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.1 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

## Minor Components

### Orangeburg

*Percent of map unit:* 5 percent  
*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Loamy and clayey soils on ridges and side slopes of mesic uplands (G133AA312FL)

### Lucy

*Percent of map unit:* 4 percent  
*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on knolls and ridges of mesic uplands (G133AA211FL)

## **16—Cowarts-Nankin complex, 8 to 15 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1hcmb

*Elevation:* 100 to 700 feet

*Mean annual precipitation:* 49 to 63 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 234 to 320 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Cowarts and similar soils:* 48 percent

*Nankin and similar soils:* 40 percent

*Minor components:* 12 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Cowarts**

#### **Setting**

*Landform:* Ridges, marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Loamy marine deposits

#### **Typical profile**

*A - 0 to 5 inches:* loamy fine sand

*BE - 5 to 10 inches:* fine sandy loam

*Bt - 10 to 25 inches:* sandy clay loam

*C - 25 to 80 inches:* sandy loam

#### **Properties and qualities**

*Slope:* 8 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.60 in/hr)

*Depth to water table:* About 36 to 54 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.2 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group: C*

*Other vegetative classification: Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)*

### **Description of Nankin**

#### **Setting**

*Landform: Ridges, marine terraces*

*Landform position (three-dimensional): Interfluve, side slope*

*Down-slope shape: Convex*

*Across-slope shape: Linear*

*Parent material: Stratified loamy and clayey marine deposits*

#### **Typical profile**

*A - 0 to 4 inches: sandy loam*

*Bt1 - 4 to 9 inches: sandy clay loam*

*Bt2 - 9 to 28 inches: sandy clay*

*C - 28 to 80 inches: sandy clay loam*

#### **Properties and qualities**

*Slope: 8 to 15 percent*

*Depth to restrictive feature: More than 80 inches*

*Natural drainage class: Well drained*

*Runoff class: Medium*

*Capacity of the most limiting layer to transmit water (Ksat):*

*Moderately high (0.20 to 0.57 in/hr)*

*Depth to water table: More than 80 inches*

*Frequency of flooding: None*

*Frequency of ponding: None*

*Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)*

*Sodium adsorption ratio, maximum in profile: 4.0*

*Available water storage in profile: Moderate (about 7.9 inches)*

#### **Interpretive groups**

*Land capability classification (irrigated): None specified*

*Land capability classification (nonirrigated): 4e*

*Hydrologic Soil Group: C*

*Other vegetative classification: Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)*

### **Minor Components**

#### **Fuquay**

*Percent of map unit: 7 percent*

*Landform: Ridges on marine terraces*

*Landform position (three-dimensional): Side slope*

*Down-slope shape: Convex*

*Across-slope shape: Linear*

*Other vegetative classification: Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)*

#### **Tifton**

*Percent of map unit: 5 percent*

*Landform: Ridges on marine terraces*

*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

## **18—Dothan-Fuquay complex, 0 to 2 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1hcmd  
*Elevation:* 30 to 450 feet  
*Mean annual precipitation:* 53 to 73 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 320 days  
*Farmland classification:* All areas are prime farmland

### **Map Unit Composition**

*Dothan and similar soils:* 47 percent  
*Fuquay and similar soils:* 41 percent  
*Minor components:* 12 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Dothan**

#### **Setting**

*Landform:* Rises on marine terraces  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Loamy marine deposits

#### **Typical profile**

*A - 0 to 9 inches:* loamy fine sand  
*Bt - 9 to 27 inches:* fine sandy loam  
*Btv - 27 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 36 to 54 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.8 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 1

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

## Description of Fuquay

### Setting

*Landform:* Rises on marine terraces

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

### Typical profile

*A - 0 to 7 inches:* sand

*E - 7 to 37 inches:* sand

*Bt - 37 to 43 inches:* sandy loam

*Btv - 43 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* About 48 to 60 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 4.7 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2s

*Hydrologic Soil Group:* B

*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

## Minor Components

### Leefield

*Percent of map unit:* 8 percent

*Landform:* Rises on marine terraces

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on rises and knolls of mesic uplands (G133AA231FL), North Florida Flatwoods (R133AY004FL)

### **Norfolk**

*Percent of map unit:* 4 percent

*Landform:* Ridges on marine terraces

*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

## **19—Dothan-Fuquay complex, 2 to 5 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1hcmf

*Elevation:* 50 to 700 feet

*Mean annual precipitation:* 53 to 69 inches

*Mean annual air temperature:* 63 to 70 degrees F

*Frost-free period:* 234 to 320 days

*Farmland classification:* All areas are prime farmland

### **Map Unit Composition**

*Dothan and similar soils:* 49 percent

*Fuquay and similar soils:* 39 percent

*Minor components:* 12 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Dothan**

#### **Setting**

*Landform:* Knolls on marine terraces

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Loamy marine deposits

#### **Typical profile**

*A - 0 to 9 inches:* loamy fine sand

*Bt - 9 to 17 inches:* fine sandy loam

*Btv - 17 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 2 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 36 to 54 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.8 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

### **Description of Fuquay**

#### **Setting**

*Landform:* Knolls on marine terraces  
*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

#### **Typical profile**

*A - 0 to 7 inches:* sand  
*E - 7 to 30 inches:* sand  
*Bt - 30 to 38 inches:* sandy loam  
*Btv - 38 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 2 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* About 48 to 60 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.3 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2s  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

### **Minor Components**

#### **Bonifay**

*Percent of map unit:* 9 percent  
*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Upland Hardwood Hammock (R133AY008FL)

### **Cowarts**

*Percent of map unit:* 3 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)

## **21—Dothan-Fuquay-Cowarts complex, 8 to 15 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1hcmh

*Elevation:* 30 to 700 feet

*Mean annual precipitation:* 53 to 67 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Dothan and similar soils:* 49 percent

*Fuquay and similar soils:* 20 percent

*Cowarts and similar soils:* 19 percent

*Minor components:* 12 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Dothan**

#### **Setting**

*Landform:* Ridges on marine terraces

*Parent material:* Loamy marine deposits

#### **Typical profile**

*A - 0 to 5 inches:* loamy fine sand

*Bt - 5 to 13 inches:* fine sandy loam

*Btv - 13 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 8 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 36 to 54 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 8.1 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

### **Description of Fuquay**

#### **Setting**

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

#### **Typical profile**

*A - 0 to 5 inches:* sand

*E - 5 to 21 inches:* sand

*Bt - 21 to 29 inches:* sandy loam

*Btv - 29 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 8 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* About 48 to 60 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 5.9 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4s

*Hydrologic Soil Group:* C

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

### **Description of Cowarts**

#### **Setting**

*Landform:* Ridges on marine terraces

*Parent material:* Loamy marine deposits

#### **Typical profile**

*A - 0 to 4 inches:* loamy fine sand

*BE - 4 to 9 inches:* fine sandy loam

*Bt - 9 to 32 inches:* sandy clay loam

*C - 32 to 80 inches:* sandy loam

#### **Properties and qualities**

*Slope:* 8 to 15 percent

*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.60 in/hr)  
*Depth to water table:* About 36 to 54 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.3 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

#### **Minor Components**

##### **Norfolk**

*Percent of map unit:* 8 percent  
*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluvium, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

##### **Orangeburg**

*Percent of map unit:* 4 percent  
*Landform:* Hills on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

### **23—Fuquay-Lucy-Orangeburg complex, 0 to 5 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1hcmk  
*Elevation:* 50 to 500 feet  
*Mean annual precipitation:* 53 to 69 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 320 days  
*Farmland classification:* Farmland of local importance

#### **Map Unit Composition**

*Fuquay and similar soils:* 40 percent  
*Lucy and similar soils:* 30 percent

*Orangeburg and similar soils: 20 percent*

*Minor components: 10 percent*

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Fuquay**

#### **Setting**

*Landform: Knolls on marine terraces*

*Parent material: Sandy and loamy marine deposits and/or fluvio-marine deposits*

#### **Typical profile**

*A - 0 to 10 inches: sand*

*E - 10 to 32 inches: sand*

*Bt - 32 to 46 inches: sandy loam*

*Btv - 46 to 80 inches: sandy clay loam*

#### **Properties and qualities**

*Slope: 0 to 5 percent*

*Depth to restrictive feature: More than 80 inches*

*Natural drainage class: Well drained*

*Runoff class: Low*

*Capacity of the most limiting layer to transmit water (Ksat):*

*Moderately low to moderately high (0.06 to 0.20 in/hr)*

*Depth to water table: About 48 to 60 inches*

*Frequency of flooding: None*

*Frequency of ponding: None*

*Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)*

*Sodium adsorption ratio, maximum in profile: 4.0*

*Available water storage in profile: Low (about 5.2 inches)*

#### **Interpretive groups**

*Land capability classification (irrigated): None specified*

*Land capability classification (nonirrigated): 2s*

*Hydrologic Soil Group: B*

*Other vegetative classification: Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)*

### **Description of Lucy**

#### **Setting**

*Landform: Knolls on marine terraces*

*Parent material: Sandy and loamy marine and fluvial deposits*

#### **Typical profile**

*Ap - 0 to 8 inches: loamy sand*

*E - 8 to 24 inches: loamy sand*

*Bt1 - 24 to 35 inches: sandy loam*

*Bt2 - 35 to 80 inches: sandy clay loam*

#### **Properties and qualities**

*Slope: 0 to 5 percent*

*Depth to restrictive feature: More than 80 inches*

*Natural drainage class: Well drained*

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 6.4 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2s

*Hydrologic Soil Group:* B

*Other vegetative classification:* Sandy over loamy soils on knolls and ridges of mesic uplands (G133AA211FL)

#### **Description of Orangeburg**

##### **Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

##### **Typical profile**

*A - 0 to 6 inches:* loamy sand

*BE - 6 to 11 inches:* loamy sand

*Bt - 11 to 80 inches:* sandy clay loam

##### **Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 6.7 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)

#### **Minor Components**

##### **Bonifay**

*Percent of map unit:* 5 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Upland Hardwood Hammock (R133AY008FL)

**Dothan**

*Percent of map unit:* 5 percent  
*Landform:* Knolls on marine terraces  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

**24—Fuquay-Bonifay complex, 5 to 15 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1hcml  
*Elevation:* 50 to 400 feet  
*Mean annual precipitation:* 53 to 69 inches  
*Mean annual air temperature:* 63 to 70 degrees F  
*Frost-free period:* 241 to 320 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Fuquay and similar soils:* 55 percent  
*Bonifay and similar soils:* 38 percent  
*Minor components:* 7 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Fuquay**

**Setting**

*Landform:* Ridges on marine terraces, hills on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

**Typical profile**

*A - 0 to 5 inches:* sand  
*E - 5 to 32 inches:* sand  
*Bt - 32 to 44 inches:* sandy loam  
*Btv - 44 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 5 to 15 percent  
*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* About 48 to 60 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.2 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4s  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

#### **Description of Bonifay**

##### **Setting**

*Landform:* Ridges on marine terraces, hills on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits

##### **Typical profile**

*A - 0 to 4 inches:* loamy sand  
*E - 4 to 45 inches:* loamy sand  
*Bt - 45 to 53 inches:* sandy loam  
*Btv - 53 to 80 inches:* sandy clay loam

##### **Properties and qualities**

*Slope:* 5 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* About 54 to 66 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.6 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### Minor Components

#### Dothan

*Percent of map unit:* 3 percent

*Landform:* Ridges on marine terraces

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

#### Troup

*Percent of map unit:* 2 percent

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of xeric uplands (G133AA113FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

#### Tifton

*Percent of map unit:* 2 percent

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

## 27—Goldsboro loamy fine sand, 0 to 2 percent slopes

### Map Unit Setting

*National map unit symbol:* 1hcmp

*Elevation:* 20 to 450 feet

*Mean annual precipitation:* 49 to 67 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 292 days

*Farmland classification:* All areas are prime farmland

### Map Unit Composition

*Goldsboro and similar soils:* 87 percent

*Minor components:* 13 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Goldsboro

#### Setting

*Landform:* Rises on marine terraces

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

### Typical profile

*A - 0 to 8 inches:* loamy fine sand  
*E - 8 to 12 inches:* loamy fine sand  
*BE - 12 to 15 inches:* sandy loam  
*Bt - 15 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 24 to 36 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.8 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2w  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Loamy and clayey soils on flats of hydric or mesic lowlands (G133AA331FL), North Florida Flatwoods (R133AY004FL)

### Minor Components

#### Ocilla

*Percent of map unit:* 7 percent  
*Landform:* Rises on marine terraces  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy over loamy soils on rises and knolls of mesic uplands (G133AA231FL), North Florida Flatwoods (R133AY004FL)

#### Rains

*Percent of map unit:* 6 percent  
*Landform:* Flats on marine terraces  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Other vegetative classification:* Loamy and clayey soils on flats of hydric or mesic lowlands (G133AA341FL), Freshwater Marshes and Ponds (R133AY010FL)

## 28—Goldsboro loamy fine sand, 2 to 5 percent slopes

### Map Unit Setting

*National map unit symbol:* 1hcmq  
*Elevation:* 30 to 500 feet  
*Mean annual precipitation:* 49 to 67 inches  
*Mean annual air temperature:* 64 to 72 degrees F  
*Frost-free period:* 223 to 292 days  
*Farmland classification:* All areas are prime farmland

### Map Unit Composition

*Goldsboro and similar soils:* 91 percent  
*Minor components:* 9 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Goldsboro

#### Setting

*Landform:* Knolls on marine terraces  
*Parent material:* Sandy and loamy marine deposits and/or fluvio-marine deposits

#### Typical profile

*A - 0 to 6 inches:* loamy fine sand  
*E - 6 to 9 inches:* loamy fine sand  
*BE - 9 to 13 inches:* sandy loam  
*Bt - 13 to 80 inches:* sandy clay loam

#### Properties and qualities

*Slope:* 2 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 24 to 36 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.9 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Loamy and clayey soils on flats of hydric or mesic lowlands (G133AA331FL), North Florida Flatwoods (R133AY004FL)

## Minor Components

### Norfolk

*Percent of map unit:* 6 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluvium

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

### Orangeburg

*Percent of map unit:* 3 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)

## 29—Grady fine sandy loam, depressional

### Map Unit Setting

*National map unit symbol:* 1hcmr

*Elevation:* 20 to 450 feet

*Mean annual precipitation:* 49 to 68 inches

*Mean annual air temperature:* 63 to 73 degrees F

*Frost-free period:* 239 to 320 days

*Farmland classification:* Not prime farmland

### Map Unit Composition

*Grady and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Grady

#### Setting

*Landform:* Depressions on marine terraces

*Landform position (three-dimensional):* Dip

*Down-slope shape:* Concave

*Across-slope shape:* Concave

*Parent material:* Clayey marine deposits

#### Typical profile

*A - 0 to 5 inches:* fine sandy loam

*Btg1 - 5 to 11 inches:* sandy clay loam

*Btg2 - 11 to 62 inches:* clay

*Btg3 - 62 to 80 inches:* sandy clay

#### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Poorly drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* About 0 to 12 inches

*Frequency of flooding:* None

*Frequency of ponding:* Frequent

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 8.3 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 5w

*Hydrologic Soil Group:* C/D

*Other vegetative classification:* Loamy and clayey soils on stream terraces, flood plains, or in depressions (G133AA345FL)

#### **Minor Components**

##### **Pelham**

*Percent of map unit:* 10 percent

*Landform:* Depressions on marine terraces, flats on marine terraces

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on stream terraces, flood plains, or in depressions (G133AA245FL), North Florida Flatwoods (R133AY004FL)

##### **Plummer**

*Percent of map unit:* 5 percent

*Landform:* Flats on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), Wetland Hardwood Hammock (R133AY012FL)

### **30—Lakeland sand, 0 to 5 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 2rz0n

*Elevation:* 30 to 300 feet

*Mean annual precipitation:* 59 to 69 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 252 to 295 days

*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Lakeland and similar soils:* 77 percent

*Minor components:* 23 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

## **Description of Lakeland**

### **Setting**

*Landform:* Hills on marine terraces  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy eolian deposits and/or marine deposits

### **Typical profile**

*A - 0 to 7 inches:* sand  
*C - 7 to 80 inches:* sand

### **Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Excessively drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.1 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* 3s  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Longleaf Pine-Turkey Oak Hills (R133AY002FL)

## **Minor Components**

### **Troup**

*Percent of map unit:* 14 percent  
*Landform:* — error in exists on —  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **Bonifay**

*Percent of map unit:* 9 percent  
*Landform:* Hills on marine terraces

*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear, convex  
*Across-slope shape:* Convex, linear  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **31—Lakeland sand, 5 to 15 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1hcmt  
*Elevation:* 20 to 300 feet  
*Mean annual precipitation:* 59 to 70 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 262 days  
*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Lakeland and similar soils:* 90 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Lakeland**

##### **Setting**

*Landform:* Ridges on marine terraces, hills on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy marine deposits

##### **Typical profile**

*A - 0 to 3 inches:* sand  
*C - 3 to 80 inches:* sand

##### **Properties and qualities**

*Slope:* 5 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Excessively drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.1 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of xeric uplands (G133AA113FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **Minor Components**

#### **Foxworth**

*Percent of map unit:* 6 percent

*Landform:* Ridges on marine terraces

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

#### **Chipley**

*Percent of map unit:* 4 percent

*Landform:* Knolls on marine terraces, ridges

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

## **32—Leefield-Bonifay-Dothan complex, 0 to 5 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1hcmv

*Elevation:* 30 to 450 feet

*Mean annual precipitation:* 53 to 73 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Farmland of local importance

### **Map Unit Composition**

*Leefield and similar soils:* 44 percent

*Bonifay and similar soils:* 26 percent

*Dothan and similar soils:* 23 percent

*Minor components:* 7 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Leefield**

#### **Setting**

*Landform:* Knolls on marine terraces

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits

#### **Typical profile**

*A - 0 to 10 inches:* sand

*E - 10 to 23 inches:* sand  
*Bt - 23 to 33 inches:* sandy loam  
*Btv - 33 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.57 in/hr)  
*Depth to water table:* About 18 to 30 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.3 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2w  
*Hydrologic Soil Group:* C/D  
*Other vegetative classification:* Sandy over loamy soils on rises and knolls of mesic uplands (G133AA231FL), North Florida Flatwoods (R133AY004FL)

**Description of Bonifay**

**Setting**

*Landform:* Knolls on marine terraces  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits

**Typical profile**

*A - 0 to 8 inches:* loamy sand  
*E - 8 to 42 inches:* loamy sand  
*Bt - 42 to 53 inches:* sandy loam  
*Btv - 53 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* About 54 to 66 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.8 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Upland Hardwood Hammock (R133AY008FL)

### **Description of Dothan**

#### **Setting**

*Landform:* Knolls on marine terraces

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Loamy marine deposits

#### **Typical profile**

*A - 0 to 9 inches:* loamy fine sand

*Bt - 9 to 24 inches:* fine sandy loam

*Btv - 24 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 36 to 54 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.8 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

### **Minor Components**

#### **Chipley**

*Percent of map unit:* 4 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

#### **Lakeland**

*Percent of map unit:* 3 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **33—Leon-Chipley complex**

#### **Map Unit Setting**

*National map unit symbol:* 1hcmw

*Elevation:* 10 to 200 feet

*Mean annual precipitation:* 59 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 282 days

*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Leon and similar soils:* 48 percent

*Chipley and similar soils:* 42 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Leon**

##### **Setting**

*Landform:* Flatwoods on marine terraces

*Landform position (three-dimensional):* Interfluve, talf

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy marine deposits

##### **Typical profile**

*A - 0 to 4 inches:* sand

*E - 4 to 10 inches:* sand

*Bh - 10 to 17 inches:* sand

*Eg - 17 to 63 inches:* sand

*B'h - 63 to 80 inches:* sand

##### **Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Poorly drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 5.95 in/hr)

*Depth to water table:* About 6 to 18 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Very low (about 2.7 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), North Florida Flatwoods (R133AY004FL)

#### **Description of Chipley**

##### **Setting**

*Landform:* Rises on marine terraces

*Parent material:* Sandy marine deposits

##### **Typical profile**

*A - 0 to 10 inches:* sand

*C - 10 to 80 inches:* sand

##### **Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 24 to 36 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 3.8 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

#### **Minor Components**

##### **Bonifay**

*Percent of map unit:* 6 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

##### **Hurricane**

*Percent of map unit:* 4 percent

*Landform:* Rises on marine terraces

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **35—Lucy-Troup complex, 8 to 15 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1hcmy

*Elevation:* 50 to 200 feet

*Mean annual precipitation:* 53 to 69 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Lucy and similar soils:* 45 percent

*Troup and similar soils:* 42 percent

*Minor components:* 13 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Lucy**

##### **Setting**

*Landform:* Hills on marine terraces

*Parent material:* Sandy and loamy marine and fluvial deposits

##### **Typical profile**

*Ap - 0 to 5 inches:* loamy sand

*E - 5 to 26 inches:* loamy sand

*Bt1 - 26 to 38 inches:* sandy loam

*Bt2 - 38 to 80 inches:* sandy clay loam

##### **Properties and qualities**

*Slope:* 8 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 6.2 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4s

*Hydrologic Soil Group:* B

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

## **Description of Troup**

### **Setting**

*Landform:* Hills on marine terraces

*Parent material:* Sandy and loamy marine deposits

### **Typical profile**

*A - 0 to 4 inches:* sand

*E1 - 4 to 14 inches:* sand

*E2 - 14 to 43 inches:* loamy sand

*Bt - 43 to 80 inches:* sandy clay loam

### **Properties and qualities**

*Slope:* 8 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat excessively drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 5.5 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of xeric uplands (G133AA113FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

## **Minor Components**

### **Bonifay**

*Percent of map unit:* 8 percent

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **Fuquay**

*Percent of map unit:* 5 percent

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

### **36—Lucy-Orangeburg-Cowarts complex, 15 to 45 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1hcmz

*Elevation:* 40 to 700 feet

*Mean annual precipitation:* 54 to 69 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 282 days

*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Lucy and similar soils:* 49 percent

*Orangeburg and similar soils:* 21 percent

*Cowarts and similar soils:* 19 percent

*Minor components:* 11 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Lucy**

##### **Setting**

*Landform:* Hillslopes on marine terraces

*Parent material:* Sandy and loamy marine and fluvial deposits

##### **Typical profile**

*Ap - 0 to 5 inches:* loamy sand

*E - 5 to 22 inches:* loamy sand

*Bt1 - 22 to 33 inches:* sandy loam

*Bt2 - 33 to 80 inches:* sandy clay loam

##### **Properties and qualities**

*Slope:* 15 to 45 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 6.5 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* B

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

### **Description of Orangeburg**

#### **Setting**

*Landform:* Hillslopes on marine terraces

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

#### **Typical profile**

*A - 0 to 4 inches:* loamy sand

*BE - 4 to 9 inches:* loamy sand

*Bt - 9 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 15 to 45 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 6.8 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

### **Description of Cowarts**

#### **Setting**

*Landform:* Hillslopes on marine terraces

*Parent material:* Loamy marine deposits

#### **Typical profile**

*A - 0 to 3 inches:* loamy fine sand

*BE - 3 to 9 inches:* fine sandy loam

*Bt - 9 to 29 inches:* sandy clay loam

*C - 29 to 80 inches:* sandy loam

#### **Properties and qualities**

*Slope:* 15 to 45 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.60 in/hr)

*Depth to water table:* About 36 to 54 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.3 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

**Minor Components**

**Bonifay**

*Percent of map unit:* 7 percent  
*Landform:* Hillslopes on marine terraces  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**Lakeland**

*Percent of map unit:* 4 percent  
*Landform:* Hillslopes on marine terraces  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of xeric uplands (G133AA113FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**40—Cowarts-Dothan-Fuquay complex, 15 to 60 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1hcn3  
*Elevation:* 150 to 700 feet  
*Mean annual precipitation:* 49 to 67 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 320 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Cowarts and similar soils:* 50 percent  
*Dothan and similar soils:* 25 percent  
*Fuquay and similar soils:* 17 percent  
*Minor components:* 8 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Cowarts**

**Setting**

*Landform:* Hillslopes on marine terraces

*Parent material:* Loamy marine deposits

**Typical profile**

*A - 0 to 3 inches:* loamy fine sand  
*BE - 3 to 7 inches:* fine sandy loam  
*Bt - 7 to 27 inches:* sandy clay loam  
*C - 27 to 80 inches:* sandy loam

**Properties and qualities**

*Slope:* 15 to 60 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.60 in/hr)  
*Depth to water table:* About 36 to 54 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.3 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

**Description of Dothan**

**Setting**

*Landform:* Hillslopes on marine terraces  
*Parent material:* Loamy marine deposits

**Typical profile**

*A - 0 to 5 inches:* loamy fine sand  
*Bt - 5 to 12 inches:* fine sandy loam  
*Btv - 12 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 15 to 60 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 36 to 54 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 8.1 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

### **Description of Fuquay**

#### **Setting**

*Landform:* Hillslopes on marine terraces

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

#### **Typical profile**

*A - 0 to 4 inches:* sand

*E - 4 to 21 inches:* sand

*Bt - 21 to 35 inches:* sandy loam

*Btv - 35 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 15 to 60 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* About 48 to 60 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 6.0 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* C

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

### **Minor Components**

#### **Lucy**

*Percent of map unit:* 5 percent

*Landform:* Hillslopes on marine terraces

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

#### **Nankin**

*Percent of map unit:* 3 percent

*Landform:* Hillslopes on marine terraces

*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

## 41—Norfolk loamy fine sand, 0 to 2 percent slopes

### Map Unit Setting

*National map unit symbol:* 1hcn4  
*Elevation:* 30 to 500 feet  
*Mean annual precipitation:* 55 to 67 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 271 days  
*Farmland classification:* All areas are prime farmland

### Map Unit Composition

*Norfolk and similar soils:* 89 percent  
*Minor components:* 11 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Norfolk

#### Setting

*Landform:* Ridges on marine terraces  
*Parent material:* Loamy marine deposits and/or fluviomarine deposits

#### Typical profile

*A - 0 to 9 inches:* loamy fine sand  
*Bt1 - 9 to 14 inches:* sandy loam  
*Bt2 - 14 to 41 inches:* sandy clay loam  
*Bt3 - 41 to 62 inches:* sandy loam  
*Bt4 - 62 to 80 inches:* sandy clay loam

#### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 48 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.4 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 1  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

### Minor Components

#### Orangeburg

*Percent of map unit:* 8 percent

*Landform:* Ridges on marine terraces

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)

#### Tifton

*Percent of map unit:* 3 percent

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

## 42—Norfolk loamy fine sand, 2 to 5 percent slopes

### Map Unit Setting

*National map unit symbol:* 1hcn5

*Elevation:* 30 to 500 feet

*Mean annual precipitation:* 55 to 67 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 271 days

*Farmland classification:* All areas are prime farmland

### Map Unit Composition

*Norfolk and similar soils:* 89 percent

*Minor components:* 11 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Norfolk

#### Setting

*Landform:* Knolls on marine terraces

*Parent material:* Loamy marine deposits and/or fluviomarine deposits

#### Typical profile

*A - 0 to 6 inches:* loamy fine sand

*Bt1 - 6 to 14 inches:* sandy loam

*Bt2 - 14 to 40 inches:* sandy clay loam

*Bt3 - 40 to 51 inches:* sandy loam

*Bt4 - 51 to 80 inches:* sandy clay loam

#### Properties and qualities

*Slope:* 2 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 48 to 72 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.5 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

#### **Minor Components**

##### **Orangeburg**

*Percent of map unit:* 8 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)

##### **Tifton**

*Percent of map unit:* 3 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

### **43—Ocilla sand, 0 to 5 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1hcn6

*Elevation:* 20 to 660 feet

*Mean annual precipitation:* 49 to 67 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Ocilla and similar soils:* 90 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Ocilla**

##### **Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Sandy and loamy marine deposits

### Typical profile

*A - 0 to 3 inches:* sand  
*E - 3 to 29 inches:* sand  
*Bt1 - 29 to 34 inches:* fine sandy loam  
*Bt2 - 34 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 12 to 30 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.1 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3w  
*Hydrologic Soil Group:* B/D  
*Other vegetative classification:* Sandy over loamy soils on rises and knolls of mesic uplands (G133AA231FL), North Florida Flatwoods (R133AY004FL)

### Minor Components

#### Albany

*Percent of map unit:* 5 percent  
*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)

#### Blanton

*Percent of map unit:* 3 percent  
*Landform:* Knolls, marine terraces  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Upland Hardwood Hammock (R133AY008FL)

#### Goldsboro

*Percent of map unit:* 2 percent  
*Landform:* Knolls on marine terraces  
*Other vegetative classification:* Loamy and clayey soils on flats of hydric or mesic lowlands (G133AA331FL), North Florida Flatwoods (R133AY004FL)

## 45—Orangeburg loamy sand, 0 to 2 percent slopes

### Map Unit Setting

*National map unit symbol:* 2tdq1  
*Elevation:* 100 to 400 feet  
*Mean annual precipitation:* 40 to 69 inches  
*Mean annual air temperature:* 55 to 70 degrees F  
*Frost-free period:* 190 to 310 days  
*Farmland classification:* All areas are prime farmland

### Map Unit Composition

*Orangeburg and similar soils:* 80 percent  
*Minor components:* 20 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Orangeburg

#### Setting

*Landform:* Broad interstream divides  
*Landform position (two-dimensional):* Shoulder  
*Landform position (three-dimensional):* Interfluve, rise  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Parent material:* Sandy and loamy marine deposits

#### Typical profile

*Ap - 0 to 7 inches:* loamy sand  
*BA - 7 to 12 inches:* sandy loam  
*Bt1 - 12 to 54 inches:* sandy clay loam  
*Bt2 - 54 to 80 inches:* sandy clay loam

#### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* Moderate (about 8.2 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 1  
*Land capability classification (nonirrigated):* 1  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL), Unnamed (G133AP137FL)

### Minor Components

#### **Benevolence**

*Percent of map unit:* 10 percent

*Landform:* Broad interstream divides

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL), Unnamed (G133AP140FL)

#### **Faceville**

*Percent of map unit:* 5 percent

*Landform:* Knolls

*Landform position (two-dimensional):* Shoulder

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL), Unnamed (G133AP137FL)

#### **Lucy**

*Percent of map unit:* 3 percent

*Landform:* Broad interstream divides

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL), Unnamed (G133AP137FL)

#### **Norfolk**

*Percent of map unit:* 2 percent

*Landform:* Broad interstream divides

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL), Unnamed (G133AP137FL)

### **46—Orangeburg loamy sand, 2 to 5 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 2sms1

*Elevation:* 40 to 500 feet

*Mean annual precipitation:* 40 to 70 inches

*Mean annual air temperature:* 55 to 72 degrees F

*Frost-free period:* 190 to 310 days

*Farmland classification:* All areas are prime farmland

#### **Map Unit Composition**

*Orangeburg and similar soils:* 80 percent

*Minor components: 20 percent*

*Estimates are based on observations, descriptions, and transects of the mapunit.*

## **Description of Orangeburg**

### **Setting**

*Landform: Broad interstream divides*

*Landform position (two-dimensional): Shoulder*

*Landform position (three-dimensional): Interfluve, rise*

*Down-slope shape: Convex*

*Across-slope shape: Convex*

*Parent material: Marine deposits*

### **Typical profile**

*Ap - 0 to 7 inches: loamy sand*

*BA - 7 to 12 inches: sandy loam*

*Bt1 - 12 to 54 inches: sandy clay loam*

*Bt2 - 54 to 80 inches: sandy clay loam*

### **Properties and qualities**

*Slope: 2 to 5 percent*

*Depth to restrictive feature: More than 80 inches*

*Natural drainage class: Well drained*

*Runoff class: Medium*

*Capacity of the most limiting layer to transmit water (Ksat):*

*Moderately high to high (0.57 to 1.98 in/hr)*

*Depth to water table: More than 80 inches*

*Frequency of flooding: None*

*Frequency of ponding: None*

*Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)*

*Available water storage in profile: Moderate (about 8.2 inches)*

### **Interpretive groups**

*Land capability classification (irrigated): 2e*

*Land capability classification (nonirrigated): 2e*

*Hydrologic Soil Group: B*

*Other vegetative classification: Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)*

## **Minor Components**

### **Benevolence**

*Percent of map unit: 10 percent*

*Landform: Broad interstream divides*

*Down-slope shape: Convex*

*Across-slope shape: Linear*

### **Faceville**

*Percent of map unit: 5 percent*

*Landform: Knolls*

*Landform position (two-dimensional): Shoulder*

*Landform position (three-dimensional): Interfluve*

*Down-slope shape: Convex*

*Across-slope shape:* Convex

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)

#### **Lucy**

*Percent of map unit:* 3 percent

*Landform:* Broad interstream divides

*Down-slope shape:* Convex

*Across-slope shape:* Linear

#### **Norfolk**

*Percent of map unit:* 2 percent

*Landform:* Broad interstream divides

*Down-slope shape:* Convex

*Across-slope shape:* Linear

### **47—Orangeburg-Norfolk-Tifton complex, 5 to 8 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1hcnb

*Elevation:* 30 to 500 feet

*Mean annual precipitation:* 44 to 67 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* All areas are prime farmland

#### **Map Unit Composition**

*Orangeburg and similar soils:* 48 percent

*Norfolk and similar soils:* 19 percent

*Tifton and similar soils:* 18 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Orangeburg**

##### **Setting**

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

##### **Typical profile**

*A - 0 to 5 inches:* loamy sand

*BE - 5 to 12 inches:* loamy sand

*Bt - 12 to 80 inches:* sandy clay loam

##### **Properties and qualities**

*Slope:* 5 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 6.7 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Loamy and clayey soils on ridges and side slopes of mesic uplands (G133AA312FL)

#### **Description of Norfolk**

##### **Setting**

*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluvial, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Loamy marine deposits and/or fluvio-marine deposits

##### **Typical profile**

*A - 0 to 6 inches:* loamy fine sand  
*Bt1 - 6 to 11 inches:* sandy loam  
*Bt2 - 11 to 46 inches:* sandy clay loam  
*Bt3 - 46 to 62 inches:* sandy loam  
*Bt4 - 62 to 80 inches:* sandy clay loam

##### **Properties and qualities**

*Slope:* 5 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 48 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.5 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

## **Description of Tifton**

### **Setting**

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Loamy marine deposits

### **Typical profile**

*Apc - 0 to 5 inches:* loamy fine sand

*BEc - 5 to 9 inches:* fine sandy loam

*Btc - 9 to 32 inches:* sandy clay loam

*Btv - 32 to 80 inches:* sandy clay loam

### **Properties and qualities**

*Slope:* 5 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high (0.20 to 0.57 in/hr)

*Depth to water table:* About 42 to 60 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.4 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* C

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

## **Minor Components**

### **Dothan**

*Percent of map unit:* 8 percent

*Landform:* Ridges on marine terraces

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

### **Faceville**

*Percent of map unit:* 7 percent

*Landform:* Ridges on marine terraces

*Other vegetative classification:* Loamy and clayey soils on ridges and side slopes of mesic uplands (G133AA312FL)

## 48—Fuquay-Orangeburg-Norfolk complex, 8 to 15 percent slopes

### Map Unit Setting

*National map unit symbol:* 1hcnc  
*Elevation:* 30 to 700 feet  
*Mean annual precipitation:* 53 to 69 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 320 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Fuquay and similar soils:* 45 percent  
*Orangeburg and similar soils:* 25 percent  
*Norfolk and similar soils:* 21 percent  
*Minor components:* 9 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Fuquay

#### Setting

*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

#### Typical profile

*A - 0 to 5 inches:* sand  
*E - 5 to 30 inches:* sand  
*Bt - 30 to 40 inches:* sandy loam  
*Btv - 40 to 80 inches:* sandy clay loam

#### Properties and qualities

*Slope:* 8 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* About 48 to 60 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.3 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4s

*Hydrologic Soil Group:* B

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

### **Description of Orangeburg**

#### **Setting**

*Landform:* Hills on marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

#### **Typical profile**

*A - 0 to 4 inches:* loamy sand

*BE - 4 to 10 inches:* loamy sand

*Bt - 10 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 8 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 6.8 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

### **Description of Norfolk**

#### **Setting**

*Landform:* Hills on marine terraces, ridges on marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Loamy marine deposits and/or fluviomarine deposits

#### **Typical profile**

*A - 0 to 3 inches:* loamy fine sand

*Bt1 - 3 to 13 inches:* sandy loam

*Bt2 - 13 to 40 inches:* sandy clay loam

*Bt3 - 40 to 62 inches: sandy loam*  
*Bt4 - 62 to 80 inches: sandy clay loam*

**Properties and qualities**

*Slope: 8 to 10 percent*  
*Depth to restrictive feature: More than 80 inches*  
*Natural drainage class: Well drained*  
*Runoff class: Medium*  
*Capacity of the most limiting layer to transmit water (Ksat):*  
*Moderately high to high (0.57 to 1.98 in/hr)*  
*Depth to water table: About 48 to 72 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)*  
*Sodium adsorption ratio, maximum in profile: 4.0*  
*Available water storage in profile: Moderate (about 7.7 inches)*

**Interpretive groups**

*Land capability classification (irrigated): None specified*  
*Land capability classification (nonirrigated): 4e*  
*Hydrologic Soil Group: B*  
*Other vegetative classification: Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)*

**Minor Components**

**Bonifay**

*Percent of map unit: 5 percent*  
*Landform: Ridges on marine terraces*  
*Landform position (three-dimensional): Side slope*  
*Down-slope shape: Convex*  
*Across-slope shape: Linear*  
*Other vegetative classification: Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL), Upland Hardwood Hammock (R133AY008FL)*

**Cowarts**

*Percent of map unit: 4 percent*  
*Landform: Hills on marine terraces, hillslopes on marine terraces*  
*Landform position (three-dimensional): Side slope*  
*Down-slope shape: Convex*  
*Across-slope shape: Linear*  
*Other vegetative classification: Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)*

**49—Orangeburg-Norfolk complex, 2 to 5 percent slopes**

**Map Unit Setting**

*National map unit symbol: 1hcnd*  
*Elevation: 30 to 500 feet*  
*Mean annual precipitation: 53 to 67 inches*  
*Mean annual air temperature: 63 to 72 degrees F*  
*Frost-free period: 223 to 320 days*

*Farmland classification:* All areas are prime farmland

### **Map Unit Composition**

*Orangeburg and similar soils:* 50 percent

*Norfolk and similar soils:* 36 percent

*Minor components:* 14 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Orangeburg**

#### **Setting**

*Landform:* Knolls on ridges on marine terraces

*Landform position (three-dimensional):* Side slope, interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits and/or fluvio-marine deposits

#### **Typical profile**

*A - 0 to 8 inches:* loamy sand

*BE - 8 to 15 inches:* loamy sand

*Bt - 15 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 2 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 6.6 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)

### **Description of Norfolk**

#### **Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Loamy marine deposits and/or fluvio-marine deposits

#### **Typical profile**

*A - 0 to 5 inches:* loamy fine sand

*Bt1 - 5 to 15 inches: sandy loam*  
*Bt2 - 15 to 22 inches: sandy clay loam*  
*Bt3 - 22 to 45 inches: sandy loam*  
*Bt4 - 45 to 80 inches: sandy clay loam*

**Properties and qualities**

*Slope: 2 to 5 percent*  
*Depth to restrictive feature: More than 80 inches*  
*Natural drainage class: Well drained*  
*Runoff class: Low*  
*Capacity of the most limiting layer to transmit water (Ksat):*  
*Moderately high to high (0.57 to 1.98 in/hr)*  
*Depth to water table: About 48 to 72 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)*  
*Sodium adsorption ratio, maximum in profile: 4.0*  
*Available water storage in profile: Moderate (about 7.6 inches)*

**Interpretive groups**

*Land capability classification (irrigated): None specified*  
*Land capability classification (nonirrigated): 2e*  
*Hydrologic Soil Group: B*  
*Other vegetative classification: Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)*

**Minor Components**

**Dothan**

*Percent of map unit: 8 percent*  
*Landform: Knolls on marine terraces*  
*Landform position (three-dimensional): Interfluve*  
*Down-slope shape: Convex*  
*Across-slope shape: Linear*  
*Other vegetative classification: Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)*

**Tifton**

*Percent of map unit: 6 percent*  
*Landform: Knolls on marine terraces*  
*Other vegetative classification: Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)*

**51—Plummer sand, 0 to 5 percent slopes**

**Map Unit Setting**

*National map unit symbol: 1hcng*  
*Elevation: 10 to 660 feet*  
*Mean annual precipitation: 49 to 67 inches*  
*Mean annual air temperature: 63 to 73 degrees F*  
*Frost-free period: 223 to 269 days*  
*Farmland classification: Not prime farmland*

### Map Unit Composition

*Plummer and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Plummer

#### Setting

*Landform:* Flats on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits

#### Typical profile

*A - 0 to 9 inches:* sand

*E - 9 to 50 inches:* sand

*Btg - 50 to 80 inches:* sandy clay loam

#### Properties and qualities

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Poorly drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.20 to 1.98 in/hr)

*Depth to water table:* About 6 to 12 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 4.1 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), Wetland Hardwood Hammock (R133AY012FL)

### Minor Components

#### Albany

*Percent of map unit:* 8 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluvium

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)

### **Sapelo**

*Percent of map unit:* 7 percent

*Landform:* Flatwoods on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), North Florida Flatwoods (R133AY004FL)

## **52—Rains fine sandy loam**

### **Map Unit Setting**

*National map unit symbol:* 1hcnh

*Elevation:* 40 to 450 feet

*Mean annual precipitation:* 53 to 63 inches

*Mean annual air temperature:* 63 to 70 degrees F

*Frost-free period:* 234 to 320 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Rains and similar soils:* 86 percent

*Minor components:* 14 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Rains**

#### **Setting**

*Landform:* Flats on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Loamy and clayey marine deposits and/or fluviomarine deposits

#### **Typical profile**

*A - 0 to 7 inches:* fine sandy loam

*Btg1 - 7 to 34 inches:* sandy clay loam

*Btg2 - 34 to 80 inches:* sandy clay

#### **Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Poorly drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.60 to 2.00 in/hr)

*Depth to water table:* About 0 to 12 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.7 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4w  
*Hydrologic Soil Group:* B/D  
*Other vegetative classification:* Loamy and clayey soils on flats of hydric or mesic lowlands (G133AA341FL), Freshwater Marshes and Ponds (R133AY010FL)

#### **Minor Components**

##### **Bibb**

*Percent of map unit:* 9 percent  
*Landform:* Flats on flood plains on marine terraces  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Other vegetative classification:* Loamy and clayey soils on stream terraces, flood plains, or in depressions (G133AA345FL)

##### **Pelham**

*Percent of map unit:* 5 percent  
*Landform:* Flats on marine terraces  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy over loamy soils on flats of hydric or mesic lowlands (G133AA241FL), North Florida Flatwoods (R133AY004FL)

### **58—Tifton loamy fine sand, 2 to 5 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1hcnp  
*Elevation:* 30 to 450 feet  
*Mean annual precipitation:* 44 to 67 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 271 days  
*Farmland classification:* All areas are prime farmland

#### **Map Unit Composition**

*Tifton and similar soils:* 92 percent  
*Minor components:* 8 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Tifton**

##### **Setting**

*Landform:* Knolls on marine terraces  
*Parent material:* Loamy marine deposits

### Typical profile

*Apc - 0 to 6 inches:* loamy fine sand  
*BEc - 6 to 10 inches:* sandy loam  
*Btc - 10 to 45 inches:* sandy clay loam  
*Btv - 45 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 2 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.57 in/hr)  
*Depth to water table:* About 42 to 60 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.6 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

### Minor Components

#### Faceville

*Percent of map unit:* 5 percent  
*Landform:* Knolls on marine terraces  
*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)

#### Norfolk

*Percent of map unit:* 3 percent  
*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluvium  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

## 59—Troup-Lakeland-Lucy complex, 2 to 8 percent slopes

### Map Unit Setting

*National map unit symbol:* 1hcnq  
*Elevation:* 40 to 300 feet  
*Mean annual precipitation:* 49 to 67 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Troup and similar soils:* 50 percent

*Lakeland and similar soils:* 21 percent

*Lucy and similar soils:* 16 percent

*Minor components:* 13 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Troup**

#### **Setting**

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits

#### **Typical profile**

*A - 0 to 3 inches:* sand

*E1 - 3 to 15 inches:* sand

*E2 - 15 to 53 inches:* loamy sand

*Bt - 53 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 2 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat excessively drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 5.1 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **Description of Lakeland**

#### **Setting**

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy marine deposits

**Typical profile**

*A - 0 to 5 inches:* sand  
*C - 5 to 80 inches:* sand

**Properties and qualities**

*Slope:* 2 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Excessively drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.1 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**Description of Lucy**

**Setting**

*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine and fluvial deposits

**Typical profile**

*Ap - 0 to 7 inches:* loamy sand  
*E - 7 to 33 inches:* loamy sand  
*Bt1 - 33 to 39 inches:* sandy loam  
*Bt2 - 39 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 2 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 6.0 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Sandy over loamy soils on knolls and ridges of mesic uplands (G133AA211FL)

#### **Minor Components**

##### **Alpin**

*Percent of map unit:* 7 percent  
*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluvium  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

##### **Fuquay**

*Percent of map unit:* 6 percent  
*Landform:* Ridges on marine terraces, hills on marine terraces  
*Landform position (three-dimensional):* Interfluvium, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

### **60—Troup sand, 8 to 15 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1hcnr  
*Elevation:* 50 to 660 feet  
*Mean annual precipitation:* 49 to 61 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 239 to 320 days  
*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Troup and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Troup**

##### **Setting**

*Landform:* Hills, marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex

*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits

#### **Typical profile**

*A - 0 to 3 inches:* sand  
*E1 - 3 to 13 inches:* sand  
*E2 - 13 to 42 inches:* loamy sand  
*Bt - 42 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 8 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat excessively drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.5 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of xeric uplands (G133AA113FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

#### **Minor Components**

##### **Albany**

*Percent of map unit:* 6 percent  
*Landform:* Ridges on marine terraces, hills on marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)

##### **Alpin**

*Percent of map unit:* 5 percent  
*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **Blanton**

*Percent of map unit:* 4 percent

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

## **61—Troup-Nankin complex, 5 to 8 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1hcns

*Elevation:* 50 to 450 feet

*Mean annual precipitation:* 49 to 69 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 252 to 320 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Troup and similar soils:* 48 percent

*Nankin and similar soils:* 37 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Troup**

#### **Setting**

*Landform:* Ridges, marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits

#### **Typical profile**

*A - 0 to 5 inches:* sand

*E1 - 5 to 13 inches:* sand

*E2 - 13 to 58 inches:* loamy sand

*Bt - 58 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 5 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat excessively drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.9 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

#### **Description of Nankin**

##### **Setting**

*Landform:* Ridges, marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Stratified loamy and clayey marine deposits

##### **Typical profile**

*A - 0 to 7 inches:* sandy loam  
*Bt1 - 7 to 11 inches:* sandy clay loam  
*Bt2 - 11 to 27 inches:* sandy clay  
*C - 27 to 80 inches:* sandy clay loam

##### **Properties and qualities**

*Slope:* 5 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.57 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.7 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Loamy and clayey soils on ridges and side slopes of mesic uplands (G133AA312FL)

#### **Minor Components**

##### **Fuquay**

*Percent of map unit:* 10 percent  
*Landform:* Ridges, marine terraces  
*Landform position (three-dimensional):* Interfluvial, side slope

*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

**Bonifay**

*Percent of map unit:* 5 percent  
*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**63—Troup-Nankin complex, 15 to 45 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1hcnt  
*Elevation:* 50 to 450 feet  
*Mean annual precipitation:* 49 to 69 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 252 to 320 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Troup and similar soils:* 50 percent  
*Nankin and similar soils:* 35 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Troup**

**Setting**

*Landform:* Hillslopes on marine terraces  
*Parent material:* Sandy and loamy marine deposits

**Typical profile**

*A - 0 to 3 inches:* sand  
*E1 - 3 to 11 inches:* sand  
*E2 - 11 to 41 inches:* loamy sand  
*Bt - 41 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 15 to 45 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat excessively drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None

*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.5 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of xeric uplands (G133AA113FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

#### **Description of Nankin**

##### **Setting**

*Landform:* Hillslopes on marine terraces  
*Parent material:* Stratified loamy and clayey marine deposits

##### **Typical profile**

*A - 0 to 3 inches:* sandy loam  
*Bt1 - 3 to 11 inches:* sandy clay loam  
*Bt2 - 11 to 27 inches:* sandy clay  
*C - 27 to 80 inches:* sandy clay loam

##### **Properties and qualities**

*Slope:* 15 to 45 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.57 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.8 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

#### **Minor Components**

##### **Fuquay**

*Percent of map unit:* 10 percent  
*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

**Bonifay**

*Percent of map unit:* 5 percent

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**65—Udorthents, reclaimed**

**Map Unit Composition**

*Udorthents and similar soils:* 100 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Udorthents**

**Setting**

*Landform:* Rises on marine terraces

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Mine spoil or earthy fill

**Properties and qualities**

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Other vegetative classification:* Forage suitability group not assigned (G133AA999FL)

**66—Pickney, Dorovan, and Bibb soils, frequently flooded**

**Map Unit Setting**

*National map unit symbol:* 1hcnx

*Elevation:* 0 to 450 feet

*Mean annual precipitation:* 55 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 271 days

*Farmland classification:* Not prime farmland

### Map Unit Composition

*Pickney and similar soils:* 32 percent

*Dorovan and similar soils:* 29 percent

*Bibb and similar soils:* 25 percent

*Minor components:* 14 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Pickney

#### Setting

*Landform:* Flood plains on marine terraces, flats on stream terraces on marine terraces, depressions on stream terraces on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Concave, linear

*Across-slope shape:* Concave, linear

*Parent material:* Sandy marine deposits and/or fluvio-marine deposits

#### Typical profile

*A - 0 to 41 inches:* sand

*C - 41 to 80 inches:* sand

#### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Very poorly drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 0 inches

*Frequency of flooding:* Frequent

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 4.6 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G133AA145FL)

### Description of Dorovan

#### Setting

*Landform:* Depressions on flood plains on marine terraces

*Landform position (three-dimensional):* Dip

*Down-slope shape:* Concave

*Across-slope shape:* Concave

*Parent material:* Organic material over sandy marine deposits

### Typical profile

*Oa - 0 to 74 inches:* muck  
*Cg - 74 to 80 inches:* sand

### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Very poorly drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 0 inches  
*Frequency of flooding:* Frequent  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Very high (about 13.8 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7w  
*Hydrologic Soil Group:* B/D  
*Other vegetative classification:* Organic soils in depressions and on flood plains (G133AA645FL)

## Description of Bibb

### Setting

*Landform:* Flats on flood plains on marine terraces  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Stratified loamy and sandy alluvium

### Typical profile

*A - 0 to 8 inches:* sandy loam  
*Cg1 - 8 to 33 inches:* sandy loam  
*Cg2 - 33 to 61 inches:* loamy sand  
*Cg3 - 61 to 80 inches:* sand

### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Poorly drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 3 to 12 inches  
*Frequency of flooding:* Frequent  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.1 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 5w

*Hydrologic Soil Group:* B/D

*Other vegetative classification:* Loamy and clayey soils on stream terraces, flood plains, or in depressions (G133AA345FL)

### **Minor Components**

#### **Leon**

*Percent of map unit:* 9 percent

*Landform:* Flatwoods on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), North Florida Flatwoods (R133AY004FL)

#### **Rutlege**

*Percent of map unit:* 5 percent

*Landform:* Depressions on stream terraces on marine terraces, flood plains on marine terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G133AA145FL)

## **69—Lucy-Bonifay-Orangeburg complex, 5 to 8 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1hcp0

*Elevation:* 50 to 500 feet

*Mean annual precipitation:* 53 to 69 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Farmland of local importance

### **Map Unit Composition**

*Lucy and similar soils:* 38 percent

*Bonifay and similar soils:* 28 percent

*Orangeburg and similar soils:* 22 percent

*Minor components:* 12 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Lucy**

#### **Setting**

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine and fluvial deposits

**Typical profile**

*Ap - 0 to 6 inches:* loamy sand  
*E - 6 to 28 inches:* loamy sand  
*Bt1 - 28 to 35 inches:* sandy loam  
*Bt2 - 35 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 5 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 6.2 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Sandy over loamy soils on knolls and ridges of mesic uplands (G133AA211FL)

**Description of Bonifay**

**Setting**

*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits

**Typical profile**

*A - 0 to 5 inches:* loamy sand  
*E - 5 to 44 inches:* loamy sand  
*Bt - 44 to 59 inches:* sandy loam  
*Btv - 59 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 5 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* About 54 to 66 inches

*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.7 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**Description of Orangeburg**

**Setting**

*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

**Typical profile**

*A - 0 to 5 inches:* loamy sand  
*BE - 5 to 11 inches:* loamy sand  
*Bt - 11 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 5 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 6.7 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Loamy and clayey soils on ridges and side slopes of mesic uplands (G133AA312FL)

**Minor Components**

**Fuquay**

*Percent of map unit:* 7 percent

*Landform:* Ridges, marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

**Troup**

*Percent of map unit:* 5 percent  
*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**71—Cowarts-Nankin complex, 2 to 5 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1hcp2  
*Elevation:* 100 to 700 feet  
*Mean annual precipitation:* 49 to 63 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 234 to 320 days  
*Farmland classification:* All areas are prime farmland

**Map Unit Composition**

*Cowarts and similar soils:* 45 percent  
*Nankin and similar soils:* 40 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Cowarts**

**Setting**

*Landform:* Knolls on marine terraces  
*Parent material:* Loamy marine deposits

**Typical profile**

*A - 0 to 4 inches:* loamy fine sand  
*BE - 4 to 8 inches:* fine sandy loam  
*Bt - 8 to 57 inches:* sandy clay loam  
*C - 57 to 80 inches:* sandy loam

**Properties and qualities**

*Slope:* 2 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.60 in/hr)

*Depth to water table:* About 36 to 54 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.6 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)

**Description of Nankin**

**Setting**

*Landform:* Knolls on marine terraces  
*Parent material:* Stratified loamy and clayey marine deposits

**Typical profile**

*A - 0 to 8 inches:* sandy loam  
*Bt1 - 8 to 13 inches:* sandy clay loam  
*Bt2 - 13 to 28 inches:* sandy clay  
*C - 28 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 2 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.57 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.7 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)

**Minor Components**

**Dothan**

*Percent of map unit:* 10 percent  
*Landform:* Knolls on marine terraces  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

**Tifton**

*Percent of map unit:* 5 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

**72—Goldsboro-Ocilla complex, 5 to 8 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1hcp3

*Elevation:* 20 to 500 feet

*Mean annual precipitation:* 49 to 67 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Goldsboro and similar soils:* 48 percent

*Ocilla and similar soils:* 39 percent

*Minor components:* 13 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Goldsboro**

**Setting**

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

**Typical profile**

*A - 0 to 5 inches:* loamy sand

*E - 5 to 12 inches:* loamy sand

*BE - 12 to 16 inches:* sandy loam

*Bt - 16 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 5 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 24 to 36 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.8 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL), North Florida Flatwoods (R133AY004FL)

#### **Description of Ocilla**

##### **Setting**

*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits

##### **Typical profile**

*A - 0 to 3 inches:* sand  
*E - 3 to 28 inches:* sand  
*Bt1 - 28 to 59 inches:* fine sandy loam  
*Bt2 - 59 to 80 inches:* sandy clay loam

##### **Properties and qualities**

*Slope:* 5 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 12 to 30 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.2 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3w  
*Hydrologic Soil Group:* B/D  
*Other vegetative classification:* Sandy over loamy soils on rises and knolls of mesic uplands (G133AA231FL), North Florida Flatwoods (R133AY004FL)

#### **Minor Components**

##### **Bonneau**

*Percent of map unit:* 8 percent  
*Landform:* Ridges on marine terraces, hills on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

#### **Orangeburg**

*Percent of map unit:* 5 percent

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on ridges and side slopes of mesic uplands (G133AA312FL)

### **73—Norfolk loamy fine sand, 5 to 8 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1hcp4

*Elevation:* 30 to 450 feet

*Mean annual precipitation:* 55 to 73 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 271 days

*Farmland classification:* All areas are prime farmland

#### **Map Unit Composition**

*Norfolk and similar soils:* 86 percent

*Minor components:* 14 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Norfolk**

##### **Setting**

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Loamy marine deposits and/or fluviomarine deposits

##### **Typical profile**

*A - 0 to 4 inches:* loamy fine sand

*Bt1 - 4 to 8 inches:* sandy loam

*Bt2 - 8 to 44 inches:* sandy clay loam

*Bt3 - 44 to 58 inches:* sandy loam

*Bt4 - 58 to 80 inches:* sandy clay loam

##### **Properties and qualities**

*Slope:* 5 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 48 to 72 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.6 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

#### **Minor Components**

##### **Leefield**

*Percent of map unit:* 8 percent

*Landform:* Ridges on marine terraces, hills on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on rises and knolls of mesic uplands (G133AA231FL), North Florida Flatwoods (R133AY004FL)

##### **Tifton**

*Percent of map unit:* 6 percent

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

### **77—Bonifay-Fuquay complex, 0 to 5 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1hcp8

*Elevation:* 50 to 200 feet

*Mean annual precipitation:* 53 to 69 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Farmland of local importance

#### **Map Unit Composition**

*Bonifay and similar soils:* 49 percent

*Fuquay and similar soils:* 40 percent

*Minor components:* 11 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Bonifay**

#### **Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Sandy and loamy marine deposits

#### **Typical profile**

*A - 0 to 10 inches:* loamy sand

*E - 10 to 48 inches:* loamy sand

*Bt - 48 to 67 inches:* sandy loam

*Btv - 67 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high (0.20 to 0.60 in/hr)

*Depth to water table:* About 54 to 66 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 4.4 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **Description of Fuquay**

#### **Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

#### **Typical profile**

*A - 0 to 7 inches:* sand

*E - 7 to 36 inches:* sand

*Bt - 36 to 59 inches:* sandy loam

*Btv - 59 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* About 48 to 60 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 5.1 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2s

*Hydrologic Soil Group:* B

*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

#### **Minor Components**

##### **Lucy**

*Percent of map unit:* 7 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on knolls and ridges of mesic uplands (G133AA211FL)

##### **Troup**

*Percent of map unit:* 4 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **78—Chiple, Leon, and Foxworth soils, 0 to 5 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1hcp9

*Elevation:* 10 to 450 feet

*Mean annual precipitation:* 59 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 262 days

*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Chiple and similar soils:* 35 percent

*Leon and similar soils:* 30 percent

*Foxworth and similar soils:* 26 percent

*Minor components:* 9 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Chipley**

#### **Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Sandy marine deposits

#### **Typical profile**

*A - 0 to 6 inches:* sand

*C - 6 to 80 inches:* sand

#### **Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 24 to 36 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 3.7 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

### **Description of Leon**

#### **Setting**

*Landform:* Flatwoods on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy marine deposits

#### **Typical profile**

*A - 0 to 5 inches:* sand

*E - 5 to 18 inches:* sand

*Bh - 18 to 26 inches:* sand

*Eg - 26 to 65 inches:* sand

*B'h - 65 to 80 inches:* sand

#### **Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Poorly drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 5.95 in/hr)

*Depth to water table:* About 6 to 18 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Very low (about 2.7 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), North Florida Flatwoods (R133AY004FL)

#### **Description of Foxworth**

##### **Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Sandy marine deposits

##### **Typical profile**

*A - 0 to 9 inches:* sand

*C1 - 9 to 37 inches:* sand

*C2 - 37 to 80 inches:* sand

##### **Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* Very high (19.98 to 50.02 in/hr)

*Depth to water table:* About 42 to 72 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 4.1 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

#### **Minor Components**

##### **Hurricane**

*Percent of map unit:* 5 percent

*Landform:* Rises on marine terraces

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **Sapelo**

*Percent of map unit:* 4 percent

*Landform:* Flatwoods on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), North Florida Flatwoods (R133AY004FL)

## **79—Hurricane and Chipley soils, 0 to 3 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1hcpb

*Elevation:* 10 to 660 feet

*Mean annual precipitation:* 53 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 269 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Hurricane and similar soils:* 50 percent

*Chipley and similar soils:* 41 percent

*Minor components:* 9 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Hurricane**

#### **Setting**

*Landform:* Rises on marine terraces

*Parent material:* Sandy marine deposits

#### **Typical profile**

*A - 0 to 8 inches:* sand

*E - 8 to 64 inches:* sand

*Bh - 64 to 80 inches:* sand

#### **Properties and qualities**

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 24 to 42 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Very low (about 3.0 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3w  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

#### **Description of Chipley**

##### **Setting**

*Landform:* Rises on marine terraces  
*Parent material:* Sandy marine deposits

##### **Typical profile**

*A - 0 to 9 inches:* sand  
*C - 9 to 80 inches:* sand

##### **Properties and qualities**

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)  
*Depth to water table:* About 24 to 36 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.8 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

#### **Minor Components**

##### **Albany**

*Percent of map unit:* 6 percent  
*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluvial  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)

### **Leon**

*Percent of map unit:* 3 percent  
*Landform:* Flatwoods on marine terraces  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), North Florida Flatwoods (R133AY004FL)

## **80—Foxworth-Lakeland complex, 0 to 5 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1hcpc  
*Elevation:* 20 to 300 feet  
*Mean annual precipitation:* 59 to 70 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 262 days  
*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Foxworth and similar soils:* 53 percent  
*Lakeland and similar soils:* 32 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Foxworth**

#### **Setting**

*Landform:* Knolls on marine terraces  
*Parent material:* Sandy marine deposits

#### **Typical profile**

*A - 0 to 8 inches:* sand  
*C1 - 8 to 41 inches:* sand  
*C2 - 41 to 80 inches:* sand

#### **Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* Very high (19.98 to 50.02 in/hr)  
*Depth to water table:* About 42 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.2 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **Description of Lakeland**

#### **Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Sandy marine deposits

#### **Typical profile**

*A - 0 to 8 inches:* sand

*C - 8 to 80 inches:* sand

#### **Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Excessively drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 3.1 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **Minor Components**

#### **Chipley**

*Percent of map unit:* 8 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

#### **Hurricane**

*Percent of map unit:* 7 percent

*Landform:* Rises on marine terraces

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

## 82—Chipley-Foxworth complex, 0 to 5 percent slopes

### Map Unit Setting

*National map unit symbol:* 1hcpf  
*Elevation:* 20 to 660 feet  
*Mean annual precipitation:* 53 to 70 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 320 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Chipley and similar soils:* 46 percent  
*Foxworth and similar soils:* 40 percent  
*Minor components:* 14 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Chipley

#### Setting

*Landform:* Knolls on marine terraces  
*Parent material:* Sandy marine deposits

#### Typical profile

*A - 0 to 6 inches:* sand  
*C - 6 to 80 inches:* sand

#### Properties and qualities

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)  
*Depth to water table:* About 24 to 36 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.7 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

### Description of Foxworth

#### Setting

*Landform:* Knolls on marine terraces

*Parent material:* Sandy marine deposits

**Typical profile**

*A - 0 to 7 inches:* sand

*C1 - 7 to 62 inches:* sand

*C2 - 62 to 80 inches:* sand

**Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* Very high  
(19.98 to 50.02 in/hr)

*Depth to water table:* About 42 to 72 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 4.8 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**Minor Components**

**Albany**

*Percent of map unit:* 9 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)

**Blanton**

*Percent of map unit:* 5 percent

*Landform:* Knolls, marine terraces

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**83—Foxworth-Lakeland complex, 5 to 15 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1hcpg

*Elevation:* 20 to 300 feet

*Mean annual precipitation:* 59 to 70 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 262 days  
*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Foxworth and similar soils:* 47 percent  
*Lakeland and similar soils:* 41 percent  
*Minor components:* 12 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Foxworth**

#### **Setting**

*Landform:* Hills on marine terraces, ridges on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy marine deposits

#### **Typical profile**

*A - 0 to 6 inches:* sand  
*C1 - 6 to 36 inches:* sand  
*C2 - 36 to 80 inches:* sand

#### **Properties and qualities**

*Slope:* 5 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Very high  
(19.98 to 50.02 in/hr)  
*Depth to water table:* About 42 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.1 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **Description of Lakeland**

#### **Setting**

*Landform:* Hills on marine terraces, ridges on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex

*Across-slope shape:* Linear  
*Parent material:* Sandy marine deposits

**Typical profile**

*A - 0 to 3 inches:* sand  
*C - 3 to 80 inches:* sand

**Properties and qualities**

*Slope:* 5 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Excessively drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.1 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of xeric uplands (G133AA113FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**Minor Components**

**Chipley**

*Percent of map unit:* 7 percent  
*Landform:* Knolls on marine terraces, ridges  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

**Hurricane**

*Percent of map unit:* 5 percent  
*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

## 85—Bonifay-Leon-Chipley complex, 0 to 5 percent slopes

### Map Unit Setting

*National map unit symbol:* 1hcpj  
*Elevation:* 10 to 660 feet  
*Mean annual precipitation:* 53 to 70 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 320 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Bonifay and similar soils:* 38 percent  
*Leon and similar soils:* 27 percent  
*Chipley and similar soils:* 25 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Bonifay

#### Setting

*Landform:* Knolls on marine terraces  
*Parent material:* Sandy and loamy marine deposits

#### Typical profile

*A - 0 to 9 inches:* loamy sand  
*E - 9 to 43 inches:* loamy sand  
*Bt - 43 to 52 inches:* sandy loam  
*Btv - 52 to 80 inches:* sandy clay loam

#### Properties and qualities

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* About 54 to 66 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.8 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

## Description of Leon

### Setting

*Landform:* Flatwoods on marine terraces  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy marine deposits

### Typical profile

*A - 0 to 7 inches:* sand  
*E - 7 to 16 inches:* sand  
*Bh - 16 to 34 inches:* sand  
*Eg - 34 to 59 inches:* sand  
*B'h - 59 to 80 inches:* sand

### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Poorly drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 5.95 in/hr)  
*Depth to water table:* About 6 to 18 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.1 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), North Florida Flatwoods (R133AY004FL)

## Description of Chipley

### Setting

*Landform:* Knolls on marine terraces  
*Parent material:* Sandy marine deposits

### Typical profile

*A - 0 to 5 inches:* sand  
*C - 5 to 80 inches:* sand

### Properties and qualities

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 24 to 36 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 3.7 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

#### **Minor Components**

##### **Albany**

*Percent of map unit:* 8 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)

##### **Blanton**

*Percent of map unit:* 2 percent

*Landform:* Knolls, marine terraces

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **86—Leon, Clara, and Pickney soils, commonly flooded**

#### **Map Unit Setting**

*National map unit symbol:* 1hcpk

*Elevation:* 10 to 150 feet

*Mean annual precipitation:* 54 to 70 inches

*Mean annual air temperature:* 63 to 73 degrees F

*Frost-free period:* 223 to 262 days

*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Leon and similar soils:* 31 percent

*Clara and similar soils:* 30 percent

*Pickney and similar soils:* 29 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Leon

### Setting

*Landform:* Flatwoods on marine terraces, stream terraces on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy marine deposits

### Typical profile

*A - 0 to 8 inches:* sand

*E - 8 to 18 inches:* sand

*Bh - 18 to 37 inches:* sand

*Eg - 37 to 45 inches:* sand

*B'h - 45 to 80 inches:* sand

### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Poorly drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 5.95 in/hr)

*Depth to water table:* About 6 to 18 inches

*Frequency of flooding:* Occasional

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 3.7 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G133AA145FL), North Florida Flatwoods (R133AY004FL)

## Description of Clara

### Setting

*Landform:* Flats on flood plains on marine terraces

*Landform position (three-dimensional):* Talf, dip

*Down-slope shape:* Linear, concave

*Across-slope shape:* Linear, concave

*Parent material:* Thin layer of organic material over sandy marine deposits

### Typical profile

*Oa - 0 to 6 inches:* muck

*E - 6 to 18 inches:* fine sand

*Bw - 18 to 48 inches:* fine sand

C - 48 to 80 inches: fine sand

**Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Very poorly drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 0 to 6 inches

*Frequency of flooding:* Frequent

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 8.0 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* Organic soils in depressions and on flood plains (G133AA645FL)

**Description of Pickney**

**Setting**

*Landform:* Flats on flood plains on marine terraces

*Landform position (three-dimensional):* Dip, talf

*Down-slope shape:* Concave, linear

*Across-slope shape:* Concave, linear

*Parent material:* Sandy marine deposits and/or fluviomarine deposits

**Typical profile**

A - 0 to 35 inches: sand

C - 35 to 80 inches: sand

**Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Very poorly drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 0 to 6 inches

*Frequency of flooding:* Frequent

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 4.5 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G133AA145FL)

### **Minor Components**

#### **Hurricane**

*Percent of map unit:* 5 percent

*Landform:* Rises on marine terraces

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

#### **Chipley**

*Percent of map unit:* 5 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

## **87—Ousley, Rutlege, and Pickney soils, commonly flooded**

### **Map Unit Setting**

*National map unit symbol:* 1hcpl

*Elevation:* 0 to 450 feet

*Mean annual precipitation:* 53 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Ousley and similar soils:* 35 percent

*Rutlege and similar soils:* 30 percent

*Pickney and similar soils:* 26 percent

*Minor components:* 9 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Ousley**

#### **Setting**

*Landform:* Flood plains on marine terraces, knolls on stream terraces on marine terraces, rises on stream terraces on marine terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy alluvium

#### **Typical profile**

*A - 0 to 3 inches:* sand

*C - 3 to 80 inches:* sand

#### **Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (6.00 to 20.00 in/hr)  
*Depth to water table:* About 18 to 36 inches  
*Frequency of flooding:* Occasional  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Very low (about 2.5 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Sandy or sandy over loamy soils on stream terraces or flood plains (G133AA134FL), Upland Hardwood Hammock (R133AY008FL)

#### **Description of Rutlege**

##### **Setting**

*Landform:* Depressions on stream terraces on marine terraces, flood plains on marine terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy marine deposits and/or fluvio-marine deposits

##### **Typical profile**

*A - 0 to 13 inches:* sand  
*Cg - 13 to 80 inches:* sand

##### **Properties and qualities**

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Very poorly drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)  
*Depth to water table:* About 0 to 6 inches  
*Frequency of flooding:* Frequent  
*Frequency of ponding:* Frequent  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.7 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G133AA145FL)

## Description of Pickney

### Setting

*Landform:* Depressions on stream terraces on marine terraces, flats on stream terraces on marine terraces, flood plains on marine terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy marine deposits and/or fluvio-marine deposits

### Typical profile

*A - 0 to 37 inches:* sand

*C - 37 to 80 inches:* sand

### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Very poorly drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 0 inches

*Frequency of flooding:* Frequent

*Frequency of ponding:* Frequent

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 4.6 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G133AA145FL)

## Minor Components

### Eunola

*Percent of map unit:* 5 percent

*Landform:* Rises on stream terraces on marine terraces, flood plains on marine terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on stream terraces and flood plains (G133AA334FL)

### Pelham

*Percent of map unit:* 4 percent

*Landform:* Flats on flood plains on marine terraces

*Landform position (three-dimensional):* Interfluvium

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on flats of hydric or mesic lowlands (G133AA241FL), North Florida Flatwoods (R133AY004FL)

## **88—Rutlege, Bibb, and Surrency soils, frequently flooded**

### **Map Unit Setting**

*National map unit symbol:* 1hcpm

*Elevation:* 0 to 450 feet

*Mean annual precipitation:* 49 to 70 inches

*Mean annual air temperature:* 63 to 73 degrees F

*Frost-free period:* 223 to 271 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Rutlege and similar soils:* 38 percent

*Bibb and similar soils:* 27 percent

*Surrency and similar soils:* 25 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Rutlege**

#### **Setting**

*Landform:* Flood plains on marine terraces, depressions on stream terraces on marine terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy marine deposits and/or fluvio-marine deposits

#### **Typical profile**

*A - 0 to 14 inches:* sand

*Cg - 14 to 80 inches:* sand

#### **Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Very poorly drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 0 to 6 inches

*Frequency of flooding:* Frequent

*Frequency of ponding:* Frequent

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 3.7 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G133AA145FL)

### **Description of Bibb**

#### **Setting**

*Landform:* Flats on flood plains on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Stratified loamy and sandy alluvium

#### **Typical profile**

*A - 0 to 12 inches:* sandy loam

*Cg1 - 12 to 37 inches:* sandy loam

*Cg2 - 37 to 65 inches:* loamy sand

*Cg3 - 65 to 80 inches:* sand

#### **Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Poorly drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 3 to 12 inches

*Frequency of flooding:* Frequent

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.4 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 5w

*Hydrologic Soil Group:* B/D

*Other vegetative classification:* Loamy and clayey soils on stream terraces, flood plains, or in depressions (G133AA345FL)

### **Description of Surrency**

#### **Setting**

*Landform:* Flats on flood plains on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

#### **Typical profile**

*A - 0 to 16 inches:* fine sand

*E - 16 to 38 inches:* fine sand

*Bt - 38 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Very poorly drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 0 to 6 inches

*Frequency of flooding:* Frequent

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 5.9 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 5w

*Hydrologic Soil Group:* B/D

*Other vegetative classification:* Sandy over loamy soils on stream terraces, flood plains, or in depressions (G133AA245FL)

**Minor Components**

**Leon**

*Percent of map unit:* 7 percent

*Landform:* Flatwoods on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), North Florida Flatwoods (R133AY004FL)

**Plummer**

*Percent of map unit:* 3 percent

*Landform:* Flats on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), Wetland Hardwood Hammock (R133AY012FL)

**89—Bibb-Rains-Garcon complex, occasionally flooded**

**Map Unit Setting**

*National map unit symbol:* 1hcpn

*Elevation:* 40 to 450 feet

*Mean annual precipitation:* 53 to 68 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 234 to 320 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Bibb and similar soils:* 40 percent

*Rains and similar soils:* 25 percent

*Garcon and similar soils:* 24 percent

*Minor components:* 11 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Bibb**

#### **Setting**

*Landform:* Flats on flood plains on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Stratified loamy and sandy alluvium

#### **Typical profile**

*A - 0 to 10 inches:* sandy loam

*Cg1 - 10 to 36 inches:* sandy loam

*Cg2 - 36 to 66 inches:* loamy sand

*Cg3 - 66 to 80 inches:* sand

#### **Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Poorly drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 3 to 12 inches

*Frequency of flooding:* Occasional

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.3 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 5w

*Hydrologic Soil Group:* B/D

*Other vegetative classification:* Loamy and clayey soils on stream terraces, flood plains, or in depressions (G133AA345FL)

### **Description of Rains**

#### **Setting**

*Landform:* Flats on stream terraces on marine terraces, flood plains on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Loamy and clayey marine deposits and/or  
fluviomarine deposits

**Typical profile**

*A - 0 to 9 inches:* fine sandy loam  
*Btg1 - 9 to 36 inches:* sandy clay loam  
*Btg2 - 36 to 80 inches:* sandy clay

**Properties and qualities**

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Poorly drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.60 to 2.00 in/hr)  
*Depth to water table:* About 0 to 12 inches  
*Frequency of flooding:* Occasional  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.7 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4w  
*Hydrologic Soil Group:* B/D  
*Other vegetative classification:* Loamy and clayey soils on stream  
terraces, flood plains, or in depressions (G133AA345FL),  
Freshwater Marshes and Ponds (R133AY010FL)

**Description of Garcon**

**Setting**

*Landform:* Flats on stream terraces on marine terraces, flood plains  
on marine terraces  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits

**Typical profile**

*A - 0 to 7 inches:* fine sand  
*E - 7 to 26 inches:* fine sand  
*Bt - 26 to 40 inches:* sandy clay loam  
*Btg - 40 to 51 inches:* sandy loam  
*BCg - 51 to 60 inches:* loamy fine sand  
*Cg - 60 to 80 inches:* fine sand

**Properties and qualities**

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 18 to 36 inches

*Frequency of flooding:* Occasional

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 6.3 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2w

*Hydrologic Soil Group:* B/D

*Other vegetative classification:* Sandy or sandy over loamy soils on stream terraces or flood plains (G133AA134FL), North Florida Flatwoods (R133AY004FL)

### **Minor Components**

#### **Ousley**

*Percent of map unit:* 8 percent

*Landform:* Rises on stream terraces on marine terraces, knolls on stream terraces on marine terraces, flood plains on marine terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy or sandy over loamy soils on stream terraces or flood plains (G133AA134FL), Upland Hardwood Hammock (R133AY008FL)

#### **Pelham**

*Percent of map unit:* 3 percent

*Landform:* Flats on marine terraces

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on flats of hydric or mesic lowlands (G133AA241FL), North Florida Flatwoods (R133AY004FL)

## **90—Hosford and Plummer mucky sands, 2 to 12 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1hcpp

*Elevation:* 0 to 400 feet

*Mean annual precipitation:* 49 to 70 inches

*Mean annual air temperature:* 63 to 73 degrees F

*Frost-free period:* 232 to 295 days

*Farmland classification:* Not prime farmland

### Map Unit Composition

*Hosford and similar soils:* 50 percent

*Plummer and similar soils:* 41 percent

*Minor components:* 6 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Hosford

#### Setting

*Landform:* Seeps on marine terraces

*Landform position (two-dimensional):* Backslope, footslope

*Landform position (three-dimensional):* Base slope, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy marine deposits

#### Typical profile

*A1 - 0 to 4 inches:* mucky sand

*A2 - 4 to 66 inches:* mucky coarse sand

*Cg - 66 to 80 inches:* sand

#### Properties and qualities

*Slope:* 2 to 12 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Very poorly drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 0 to 6 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 4.8 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 5w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* Sandy over loamy, loamy, and clayey soils on ridges and side slopes of hydric uplands (G133AA443FL)

### Description of Plummer

#### Setting

*Landform:* Toes on marine terraces

*Landform position (two-dimensional):* Backslope, footslope

*Landform position (three-dimensional):* Base slope, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits

### Typical profile

*A - 0 to 7 inches:* mucky sand  
*E - 7 to 48 inches:* sand  
*Btg - 48 to 80 inches:* sandy loam

### Properties and qualities

*Slope:* 2 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Very poorly drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.20 to 1.98 in/hr)  
*Depth to water table:* About 0 to 6 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.2 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), Wetland Hardwood Hammock (R133AY012FL)

### Minor Components

#### Rutlege

*Percent of map unit:* 6 percent  
*Landform:* Depressions on stream terraces on marine terraces, flood plains on marine terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G133AA145FL)

## 91—Pits

### Map Unit Composition

*Pits:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Pits

#### Setting

*Landform:* Marine terraces  
*Landform position (three-dimensional):* Interfluve, dip  
*Down-slope shape:* Linear

*Across-slope shape:* Linear

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Other vegetative classification:* Forage suitability group not assigned  
(G133AA999FL)

**92—Telogia sandy loam, 2 to 5 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1hcpr

*Elevation:* 250 to 660 feet

*Mean annual precipitation:* 48 to 56 inches

*Mean annual air temperature:* 55 to 64 degrees F

*Frost-free period:* 180 to 210 days

*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Telogia and similar soils:* 90 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Telogia**

**Setting**

*Landform:* Marine terraces

*Parent material:* Clayey residuum weathered from limestone

**Typical profile**

*A - 0 to 6 inches:* sandy loam

*Bt - 6 to 40 inches:* clay loam

*C - 40 to 48 inches:* clay loam

*R - 48 to 52 inches:* unweathered bedrock

**Properties and qualities**

*Slope:* 2 to 5 percent

*Depth to restrictive feature:* 40 to 60 inches to lithic bedrock

*Natural drainage class:* Somewhat poorly drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):* Very low  
to moderately low (0.00 to 0.14 in/hr)

*Depth to water table:* About 18 to 36 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 8.3 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* D

*Other vegetative classification:* Loamy and clayey soils on flats of hydric or mesic lowlands (G133AA331FL)

### **Minor Components**

#### **Hardin heights**

*Percent of map unit:* 10 percent

*Landform:* Ridges on marine terraces, hills on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Shallow or moderately deep, sandy or loamy soils on rises and ridges of mesic uplands (G133AA521FL)

## **93—Foxworth-Blanton-Chipley complex, 0 to 5 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1j87g

*Elevation:* 20 to 660 feet

*Mean annual precipitation:* 53 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Foxworth and similar soils:* 45 percent

*Blanton and similar soils:* 24 percent

*Chipley and similar soils:* 20 percent

*Minor components:* 11 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Foxworth**

#### **Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Sandy marine deposits

#### **Typical profile**

*A - 0 to 7 inches:* sand

*C1 - 7 to 54 inches:* sand

*C2 - 54 to 80 inches:* sand

#### **Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* Very high (19.98 to 50.02 in/hr)

*Depth to water table:* About 42 to 72 inches

*Frequency of flooding:* None

*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.6 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**Description of Blanton**

**Setting**

*Landform:* Knolls on marine terraces  
*Parent material:* Sandy and loamy marine deposits

**Typical profile**

*A - 0 to 7 inches:* sand  
*E - 7 to 52 inches:* sand  
*Bt1 - 52 to 56 inches:* sandy loam  
*Bt2 - 56 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.20 to 2.00 in/hr)  
*Depth to water table:* About 42 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.6 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Upland Hardwood Hammock (R133AY008FL)

**Description of Chipley**

**Setting**

*Landform:* Knolls on marine terraces  
*Parent material:* Sandy marine deposits

**Typical profile**

*A - 0 to 8 inches:* sand

C - 8 to 80 inches: sand

**Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 24 to 36 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 3.7 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

**Minor Components**

**Albany**

*Percent of map unit:* 6 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluvium

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)

**Hurricane**

*Percent of map unit:* 5 percent

*Landform:* Rises on marine terraces

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**94—Albany-Garcon-Bibb complex, 0 to 5 percent slopes, occasionally flooded**

**Map Unit Setting**

*National map unit symbol:* 1j87f

*Elevation:* 50 to 660 feet

*Mean annual precipitation:* 53 to 68 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 239 to 320 days

*Farmland classification:* Not prime farmland

### Map Unit Composition

*Albany and similar soils:* 33 percent

*Garcon and similar soils:* 28 percent

*Bibb and similar soils:* 26 percent

*Minor components:* 13 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Albany

#### Setting

*Landform:* Flats on stream terraces on marine terraces, rises on stream terraces on marine terraces, flood plains on marine terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

#### Typical profile

*A - 0 to 6 inches:* sand

*E - 6 to 64 inches:* sand

*Btg - 64 to 80 inches:* sandy clay loam

#### Properties and qualities

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.20 to 2.00 in/hr)

*Depth to water table:* About 12 to 30 inches

*Frequency of flooding:* Occasional

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Very low (about 1.8 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* Sandy or sandy over loamy soils on stream terraces or flood plains (G133AA134FL), Upland Hardwood Hammock (R133AY008FL)

### Description of Garcon

#### Setting

*Landform:* Flats on stream terraces on marine terraces, flood plains on marine terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits

**Typical profile**

*A - 0 to 8 inches:* fine sand  
*E - 8 to 22 inches:* fine sand  
*Bt - 22 to 44 inches:* sandy clay loam  
*Btg - 44 to 55 inches:* sandy loam  
*BCg - 55 to 59 inches:* loamy fine sand  
*Cg - 59 to 80 inches:* fine sand

**Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 18 to 36 inches  
*Frequency of flooding:* Occasional  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 6.8 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2w  
*Hydrologic Soil Group:* B/D  
*Other vegetative classification:* Sandy or sandy over loamy soils on stream terraces or flood plains (G133AA134FL), North Florida Flatwoods (R133AY004FL)

**Description of Bibb**

**Setting**

*Landform:* Flats on flood plains on marine terraces  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Stratified loamy and sandy alluvium

**Typical profile**

*A - 0 to 5 inches:* sandy loam  
*Cg1 - 5 to 38 inches:* sandy loam  
*Cg2 - 38 to 59 inches:* loamy sand  
*Cg3 - 59 to 80 inches:* sand

**Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Poorly drained  
*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 0 to 12 inches

*Frequency of flooding:* Occasional

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.5 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 5w

*Hydrologic Soil Group:* B/D

*Other vegetative classification:* Loamy and clayey soils on stream terraces, flood plains, or in depressions (G133AA345FL)

#### **Minor Components**

##### **Blanton**

*Percent of map unit:* 7 percent

*Landform:* Knolls, marine terraces

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Upland Hardwood Hammock (R133AY008FL)

##### **Eunola**

*Percent of map unit:* 6 percent

*Landform:* Rises on stream terraces on marine terraces, flood plains on marine terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on stream terraces and flood plains (G133AA334FL)

### **96—Pelham sand, 0 to 5 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1j89w

*Elevation:* 100 to 450 feet

*Mean annual precipitation:* 49 to 73 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 236 to 320 days

*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Pelham and similar soils:* 87 percent

*Minor components:* 13 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Pelham

### Setting

*Landform:* Flats on marine terraces  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits

### Typical profile

*A - 0 to 5 inches:* sand  
*E - 5 to 35 inches:* sand  
*Btg1 - 35 to 58 inches:* fine sandy loam  
*Btg2 - 58 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Poorly drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 6 to 18 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.1 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4w  
*Hydrologic Soil Group:* B/D  
*Other vegetative classification:* Sandy over loamy soils on flats of hydric or mesic lowlands (G133AA241FL), North Florida Flatwoods (R133AY004FL)

## Minor Components

### Goldsboro

*Percent of map unit:* 10 percent  
*Landform:* Knolls on marine terraces  
*Other vegetative classification:* Loamy and clayey soils on flats of hydric or mesic lowlands (G133AA331FL), North Florida Flatwoods (R133AY004FL)

### Leefield

*Percent of map unit:* 3 percent  
*Landform:* Knolls on marine terraces  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on rises and knolls of mesic uplands (G133AA231FL), North Florida Flatwoods (R133AY004FL)

## 97—Eunola, Garcon, and Ousley soils, occasionally flooded

### Map Unit Setting

*National map unit symbol:* 1j89v  
*Elevation:* 50 to 660 feet  
*Mean annual precipitation:* 49 to 68 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 239 to 320 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Eunola and similar soils:* 45 percent  
*Garcon and similar soils:* 25 percent  
*Ousley and similar soils:* 20 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Eunola

#### Setting

*Landform:* Flood plains on marine terraces, rises on stream terraces on marine terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Loamy marine deposits and/or fluvio-marine deposits

#### Typical profile

*A - 0 to 7 inches:* fine sand  
*E - 7 to 18 inches:* loamy fine sand  
*Bt - 18 to 56 inches:* sandy clay loam  
*C1 - 56 to 68 inches:* loamy sand  
*C2 - 68 to 80 inches:* sand

#### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 18 to 30 inches  
*Frequency of flooding:* Occasional  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.1 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2w

*Hydrologic Soil Group:* C

*Other vegetative classification:* Loamy and clayey soils on stream terraces and flood plains (G133AA334FL)

#### **Description of Garcon**

##### **Setting**

*Landform:* Flats on stream terraces on marine terraces, flood plains on marine terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy and loamy alluvium and/or sandy and loamy marine deposits

##### **Typical profile**

*A - 0 to 8 inches:* fine sand

*E - 8 to 31 inches:* fine sand

*Bt - 31 to 48 inches:* sandy clay loam

*Btg - 48 to 56 inches:* sandy loam

*BCg - 56 to 60 inches:* loamy fine sand

*Cg - 60 to 80 inches:* fine sand

##### **Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 18 to 36 inches

*Frequency of flooding:* Occasional

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 6.4 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2w

*Hydrologic Soil Group:* B/D

*Other vegetative classification:* Sandy or sandy over loamy soils on stream terraces or flood plains (G133AA134FL), North Florida Flatwoods (R133AY004FL)

## Description of Ousley

### Setting

*Landform:* Flats on stream terraces on marine terraces, flood plains on marine terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Sandy alluvium

### Typical profile

*A - 0 to 5 inches:* sand

*C - 5 to 80 inches:* sand

### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (6.00 to 20.00 in/hr)

*Depth to water table:* About 18 to 36 inches

*Frequency of flooding:* Occasional

*Frequency of ponding:* Rare

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Very low (about 2.6 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* Sandy or sandy over loamy soils on stream terraces or flood plains (G133AA134FL), Upland Hardwood Hammock (R133AY008FL)

## Minor Components

### Albany

*Percent of map unit:* 8 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluvium

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)

### Alpin

*Percent of map unit:* 2 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interfluvium

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on ridges and dunes of xeric uplands (G133AA111FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

## **98—Rutlege and Plummer soils, depressional**

### **Map Unit Setting**

*National map unit symbol:* 1j8gr

*Elevation:* 0 to 400 feet

*Mean annual precipitation:* 49 to 67 inches

*Mean annual air temperature:* 63 to 73 degrees F

*Frost-free period:* 223 to 295 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Rutlege, depressional, and similar soils:* 50 percent

*Plummer, depressional, and similar soils:* 38 percent

*Minor components:* 12 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Rutlege, Depressional**

#### **Setting**

*Landform:* Depressions on marine terraces

*Landform position (three-dimensional):* Dip

*Down-slope shape:* Concave

*Across-slope shape:* Concave

*Parent material:* Sandy marine deposits and/or fluvio-marine deposits

#### **Typical profile**

*A - 0 to 15 inches:* sand

*Cg - 15 to 80 inches:* sand

#### **Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Very poorly drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 0 inches

*Frequency of flooding:* None

*Frequency of ponding:* Frequent

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 3.7 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G133AA145FL)

### **Description of Plummer, Depressional**

#### **Setting**

*Landform:* Depressions on marine terraces  
*Landform position (three-dimensional):* Dip  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave  
*Parent material:* Sandy and loamy marine deposits

#### **Typical profile**

*A - 0 to 10 inches:* sand  
*E - 10 to 58 inches:* sand  
*Btg - 58 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Very poorly drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.20 to 1.98 in/hr)  
*Depth to water table:* About 0 to 6 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* Frequent  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.7 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G133AA145FL), Wetland Hardwood Hammock (R133AY012FL)

### **Minor Components**

#### **Hosford**

*Percent of map unit:* 7 percent  
*Landform:* Seeps on marine terraces  
*Landform position (two-dimensional):* Backslope, footslope  
*Landform position (three-dimensional):* Base slope, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy over loamy, loamy, and clayey soils on ridges and side slopes of hydric uplands (G133AA443FL)

#### **Leon**

*Percent of map unit:* 5 percent  
*Landform:* Flatwoods on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), North Florida Flatwoods (R133AY004FL)

## 99—Water

### Map Unit Composition

*Water:* 100 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Water

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Other vegetative classification:* Forage suitability group not assigned (G133AA999FL)

## 101—Albany-Ocilla-Chipley complex, 0 to 5 percent slopes

### Map Unit Setting

*National map unit symbol:* 1jqj2

*Elevation:* 20 to 660 feet

*Mean annual precipitation:* 53 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

### Map Unit Composition

*Albany and similar soils:* 48 percent

*Ocilla and similar soils:* 25 percent

*Chipley and similar soils:* 16 percent

*Minor components:* 11 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Albany

#### Setting

*Landform:* Knolls on marine terraces

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

#### Typical profile

*A - 0 to 8 inches:* sand

*E - 8 to 59 inches:* sand

*Btg - 59 to 80 inches:* sandy clay loam

### **Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.20 to 2.00 in/hr)  
*Depth to water table:* About 12 to 30 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Very low (about 1.9 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL), Upland Hardwood Hammock (R133AY008FL)

### **Description of Ocilla**

#### **Setting**

*Landform:* Knolls on marine terraces  
*Parent material:* Sandy and loamy marine deposits

#### **Typical profile**

*A - 0 to 4 inches:* sand  
*E - 4 to 32 inches:* sand  
*Bt1 - 32 to 58 inches:* fine sandy loam  
*Bt2 - 58 to 80 inches:* sandy clay loam

### **Properties and qualities**

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 12 to 30 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.0 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3w  
*Hydrologic Soil Group:* B/D

*Other vegetative classification:* Sandy over loamy soils on rises and knolls of mesic uplands (G133AA231FL), North Florida Flatwoods (R133AY004FL)

## **Description of Chipley**

### **Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Sandy marine deposits

### **Typical profile**

*A - 0 to 6 inches:* sand

*C - 6 to 80 inches:* sand

### **Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* About 24 to 36 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 3.7 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

## **Minor Components**

### **Blanton**

*Percent of map unit:* 7 percent

*Landform:* Knolls, marine terraces

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Upland Hardwood Hammock (R133AY008FL)

### **Foxworth**

*Percent of map unit:* 4 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

## 104—Urban land-Orangeburg-Norfolk complex, 2 to 5 percent slopes

### Map Unit Setting

*National map unit symbol:* 1kj1g  
*Elevation:* 30 to 660 feet  
*Mean annual precipitation:* 53 to 67 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 320 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Urban land:* 50 percent  
*Orangeburg and similar soils:* 20 percent  
*Norfolk and similar soils:* 18 percent  
*Minor components:* 12 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Urban Land

#### Setting

*Landform:* Knolls on marine terraces  
*Parent material:* No parent material

#### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Other vegetative classification:* Forage suitability group not assigned (G133AA999FL)

### Description of Orangeburg

#### Setting

*Landform:* Knolls on ridges on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

#### Typical profile

*A - 0 to 6 inches:* loamy sand  
*BE - 6 to 18 inches:* loamy sand  
*Bt - 18 to 80 inches:* sandy clay loam

#### Properties and qualities

*Slope:* 2 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 6.5 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Forage suitability group not assigned  
(G133AA999FL)

**Description of Norfolk**

**Setting**

*Landform:* Knolls on marine terraces  
*Parent material:* Loamy marine deposits and/or fluvio-marine deposits

**Typical profile**

*A - 0 to 5 inches:* loamy fine sand  
*Bt1 - 5 to 15 inches:* sandy loam  
*Bt2 - 15 to 22 inches:* sandy clay loam  
*Bt3 - 22 to 45 inches:* sandy loam  
*Bt4 - 45 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 2 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 48 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.6 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Forage suitability group not assigned  
(G133AA999FL)

**Minor Components**

**Bonneau**

*Percent of map unit:* 5 percent  
*Landform:* Knolls on marine terraces

*Other vegetative classification:* Forage suitability group not assigned  
(G133AA999FL)

**Fuquay**

*Percent of map unit:* 4 percent  
*Landform:* Ridges on marine terraces, knolls on marine terraces  
*Landform position (three-dimensional):* Side slope, interfluvium  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Forage suitability group not assigned  
(G133AA999FL)

**Blanton**

*Percent of map unit:* 3 percent  
*Landform:* Knolls, marine terraces  
*Other vegetative classification:* Forage suitability group not assigned  
(G133AA999FL), Upland Hardwood Hammock (R133AY008FL)

**105—Urban land-Orangeburg-Norfolk complex, 5 to 8 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 119jm  
*Elevation:* 30 to 660 feet  
*Mean annual precipitation:* 53 to 67 inches  
*Mean annual air temperature:* 63 to 72 degrees F  
*Frost-free period:* 223 to 320 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Urban land:* 46 percent  
*Orangeburg and similar soils:* 25 percent  
*Norfolk and similar soils:* 17 percent  
*Minor components:* 12 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Urban Land**

**Setting**

*Landform:* Ridges on marine terraces  
*Parent material:* No parent material

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Other vegetative classification:* Forage suitability group not assigned  
(G133AA999FL)

**Description of Orangeburg**

**Setting**

*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluvium, side slope

*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy marine deposits and/or  
fluviomarine deposits

**Typical profile**

*A - 0 to 5 inches:* loamy sand  
*BE - 5 to 11 inches:* loamy sand  
*Bt - 11 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 5 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 6.7 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Forage suitability group not assigned  
(G133AA999FL)

**Description of Norfolk**

**Setting**

*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Loamy marine deposits and/or fluviomarine  
deposits

**Typical profile**

*A - 0 to 5 inches:* loamy fine sand  
*Bt1 - 5 to 13 inches:* sandy loam  
*Bt2 - 13 to 20 inches:* sandy clay loam  
*Bt3 - 20 to 43 inches:* sandy loam  
*Bt4 - 43 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 5 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 48 to 72 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.6 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Forage suitability group not assigned  
(G133AA999FL)

#### **Minor Components**

##### **Bonneau**

*Percent of map unit:* 5 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Forage suitability group not assigned  
(G133AA999FL)

##### **Fuquay**

*Percent of map unit:* 4 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interflue

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Forage suitability group not assigned  
(G133AA999FL)

##### **Blanton**

*Percent of map unit:* 3 percent

*Landform:* Knolls, marine terraces

*Other vegetative classification:* Forage suitability group not assigned  
(G133AA999FL), Upland Hardwood Hammock (R133AY008FL)

### **106—Plummer-Leon-Sapelo complex**

#### **Map Unit Setting**

*National map unit symbol:* 1ldw1

*Elevation:* 10 to 450 feet

*Mean annual precipitation:* 49 to 67 inches

*Mean annual air temperature:* 63 to 73 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Plummer and similar soils:* 49 percent

*Leon and similar soils:* 19 percent

*Sapelo and similar soils:* 18 percent

*Minor components: 14 percent*

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Plummer**

#### **Setting**

*Landform: Flats on marine terraces*

*Landform position (three-dimensional): Talf*

*Down-slope shape: Convex*

*Across-slope shape: Linear*

*Parent material: Sandy and loamy marine deposits*

#### **Typical profile**

*A - 0 to 9 inches: sand*

*E - 9 to 56 inches: sand*

*Btg - 56 to 80 inches: sandy clay loam*

#### **Properties and qualities**

*Slope: 0 to 2 percent*

*Depth to restrictive feature: More than 80 inches*

*Natural drainage class: Poorly drained*

*Runoff class: Very high*

*Capacity of the most limiting layer to transmit water (Ksat):*

*Moderately high to high (0.20 to 1.98 in/hr)*

*Depth to water table: About 6 to 12 inches*

*Frequency of flooding: None*

*Frequency of ponding: None*

*Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)*

*Sodium adsorption ratio, maximum in profile: 4.0*

*Available water storage in profile: Low (about 3.8 inches)*

#### **Interpretive groups**

*Land capability classification (irrigated): None specified*

*Land capability classification (nonirrigated): 4w*

*Hydrologic Soil Group: A/D*

*Other vegetative classification: sandy soils on flats of mesic or hydric lowlands (G133AA141FL), Wetland Hardwood Hammock (R133AY012FL)*

### **Description of Leon**

#### **Setting**

*Landform: Flatwoods on marine terraces*

*Landform position (three-dimensional): Talf*

*Down-slope shape: Convex*

*Across-slope shape: Linear*

*Parent material: Sandy marine deposits*

#### **Typical profile**

*A - 0 to 6 inches: sand*

*E - 6 to 11 inches: sand*

*Bh - 11 to 16 inches: sand*

*Eg - 16 to 42 inches: sand*

*B'h - 42 to 80 inches: sand*

**Properties and qualities**

*Slope: 0 to 2 percent*

*Depth to restrictive feature: More than 80 inches*

*Natural drainage class: Poorly drained*

*Runoff class: Very high*

*Capacity of the most limiting layer to transmit water (Ksat):*

*Moderately high to high (0.57 to 5.95 in/hr)*

*Depth to water table: About 6 to 18 inches*

*Frequency of flooding: None*

*Frequency of ponding: None*

*Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)*

*Sodium adsorption ratio, maximum in profile: 4.0*

*Available water storage in profile: Low (about 3.3 inches)*

**Interpretive groups**

*Land capability classification (irrigated): None specified*

*Land capability classification (nonirrigated): 4w*

*Hydrologic Soil Group: A/D*

*Other vegetative classification: sandy soils on flats of mesic or hydric lowlands (G133AA141FL), North Florida Flatwoods (R133AY004FL)*

**Description of Sapelo**

**Setting**

*Landform: Flatwoods on marine terraces*

*Landform position (three-dimensional): Talf*

*Down-slope shape: Linear*

*Across-slope shape: Linear*

*Parent material: Sandy and loamy marine deposits*

**Typical profile**

*A - 0 to 10 inches: sand*

*E - 10 to 22 inches: sand*

*Bh - 22 to 28 inches: sand*

*E' - 28 to 54 inches: sand*

*Btg - 54 to 80 inches: sandy loam*

**Properties and qualities**

*Slope: 0 to 2 percent*

*Depth to restrictive feature: More than 80 inches*

*Natural drainage class: Poorly drained*

*Runoff class: Very high*

*Capacity of the most limiting layer to transmit water (Ksat):*

*Moderately high to high (0.20 to 2.00 in/hr)*

*Depth to water table: About 6 to 18 inches*

*Frequency of flooding: None*

*Frequency of ponding: None*

*Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)*

*Sodium adsorption ratio, maximum in profile: 4.0*

*Available water storage in profile: Low (about 4.1 inches)*

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4w

*Hydrologic Soil Group:* B/D

*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), North Florida Flatwoods (R133AY004FL)

### Minor Components

#### Clara

*Percent of map unit:* 7 percent

*Landform:* Flats on flood plains on marine terraces

*Landform position (three-dimensional):* Dip, talf

*Down-slope shape:* Concave, linear

*Across-slope shape:* Concave, linear

*Other vegetative classification:* Organic soils in depressions and on flood plains (G133AA645FL)

#### Pelham

*Percent of map unit:* 7 percent

*Landform:* Flats on marine terraces

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on flats of hydric or mesic lowlands (G133AA241FL), North Florida Flatwoods (R133AY004FL)

## 107—Fuquay-Bonifay complex, 0 to 5 percent slopes

### Map Unit Setting

*National map unit symbol:* 1nwzx

*Elevation:* 20 to 350 feet

*Mean annual precipitation:* 53 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Farmland of local importance

### Map Unit Composition

*Fuquay and similar soils:* 50 percent

*Bonifay and similar soils:* 38 percent

*Minor components:* 12 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Fuquay

#### Setting

*Landform:* — error in exists on —

*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

### Typical profile

*A - 0 to 6 inches:* sand  
*E - 6 to 35 inches:* sand  
*Bt - 35 to 54 inches:* sandy loam  
*Btv - 54 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* About 48 to 60 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.1 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2s  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

## Description of Bonifay

### Setting

*Landform:* — error in exists on —  
*Parent material:* Sandy and loamy marine deposits

### Typical profile

*A - 0 to 8 inches:* loamy sand  
*E - 8 to 48 inches:* loamy sand  
*Bt - 48 to 52 inches:* sandy loam  
*Btv - 52 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* About 54 to 66 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.4 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **Minor Components**

#### **Bonneau**

*Percent of map unit:* 5 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

#### **Chipley**

*Percent of map unit:* 4 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

#### **Foxworth**

*Percent of map unit:* 3 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

## **108—Troup-Lakeland complex, 15 to 45 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1nx04

*Elevation:* 20 to 350 feet

*Mean annual precipitation:* 53 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Troup and similar soils:* 50 percent

*Lakeland and similar soils:* 38 percent

*Minor components:* 12 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Troup**

#### **Setting**

*Landform:* Hillslopes on marine terraces

*Parent material:* Sandy and loamy marine deposits

### Typical profile

*A - 0 to 3 inches:* sand  
*E1 - 3 to 11 inches:* sand  
*E2 - 11 to 41 inches:* loamy sand  
*Bt - 41 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 15 to 45 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat excessively drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 5.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7s  
*Hydrologic Soil Group:* A  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of xeric uplands (G133AA113FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

## Description of Lakeland

### Setting

*Landform:* Hillslopes on marine terraces  
*Parent material:* Sandy marine deposits

### Typical profile

*A - 0 to 2 inches:* sand  
*C - 2 to 80 inches:* sand

### Properties and qualities

*Slope:* 15 to 45 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Excessively drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.0 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated): 7s*

*Hydrologic Soil Group: A*

*Other vegetative classification: Sandy soils on strongly sloping to steep side slopes of xeric uplands (G133AA113FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)*

### **Minor Components**

#### **Bonneau**

*Percent of map unit: 5 percent*

*Landform: Ridges on marine terraces, hills on marine terraces*

*Landform position (three-dimensional): Interfluve, side slope*

*Down-slope shape: Convex*

*Across-slope shape: Linear*

*Other vegetative classification: Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)*

#### **Chipley**

*Percent of map unit: 4 percent*

*Landform: Ridges, knolls on marine terraces*

*Landform position (three-dimensional): Interfluve, side slope*

*Down-slope shape: Convex*

*Across-slope shape: Linear*

*Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G133AA131FL)*

#### **Foxworth**

*Percent of map unit: 3 percent*

*Landform: Hills on marine terraces, ridges on marine terraces*

*Landform position (three-dimensional): Side slope*

*Down-slope shape: Convex*

*Across-slope shape: Linear*

*Other vegetative classification: Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)*

## **109—Dothan-Cowarts-Fuquay complex, 15 to 60 percent slopes**

### **Map Unit Setting**

*National map unit symbol: 1nx06*

*Elevation: 20 to 700 feet*

*Mean annual precipitation: 53 to 70 inches*

*Mean annual air temperature: 63 to 72 degrees F*

*Frost-free period: 223 to 320 days*

*Farmland classification: Not prime farmland*

### **Map Unit Composition**

*Dothan and similar soils: 35 percent*

*Cowarts and similar soils: 28 percent*

*Fuquay and similar soils: 25 percent*

*Minor components: 12 percent*

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Dothan**

#### **Setting**

*Landform:* Hillslopes on marine terraces

*Parent material:* Loamy marine deposits

#### **Typical profile**

*A - 0 to 6 inches:* loamy fine sand

*Bt - 6 to 10 inches:* fine sandy loam

*Btv - 10 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 15 to 60 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 36 to 54 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 8.0 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* B

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

### **Description of Cowarts**

#### **Setting**

*Landform:* Hillslopes on marine terraces

*Parent material:* Loamy marine deposits

#### **Typical profile**

*A - 0 to 3 inches:* loamy fine sand

*BE - 3 to 7 inches:* fine sandy loam

*Bt - 7 to 27 inches:* sandy clay loam

*C - 27 to 80 inches:* sandy loam

#### **Properties and qualities**

*Slope:* 15 to 60 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.60 in/hr)

*Depth to water table:* About 36 to 54 inches

*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.3 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

**Description of Fuquay**

**Setting**

*Landform:* Hillslopes on marine terraces  
*Parent material:* Sandy and loamy marine deposits and/or fluviomarine deposits

**Typical profile**

*A - 0 to 4 inches:* sand  
*E - 4 to 21 inches:* sand  
*Bt - 21 to 35 inches:* sandy loam  
*Btv - 35 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 15 to 60 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* About 48 to 60 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 6.0 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7s  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

**Minor Components**

**Bonneau**

*Percent of map unit:* 5 percent  
*Landform:* Ridges on marine terraces, hills on marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

**Chipley**

*Percent of map unit:* 4 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

**Foxworth**

*Percent of map unit:* 3 percent

*Landform:* Hills on marine terraces, ridges on marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

**113—Leefield fine sand, 0 to 5 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1qq2k

*Elevation:* 20 to 450 feet

*Mean annual precipitation:* 53 to 73 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Leefield and similar soils:* 88 percent

*Minor components:* 12 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Leefield**

**Setting**

*Landform:* Knolls on marine terraces

*Parent material:* Sandy and loamy marine deposits

**Typical profile**

*A - 0 to 7 inches:* fine sand

*E - 7 to 27 inches:* sand

*Bt - 27 to 36 inches:* sandy loam

*Btv - 36 to 80 inches:* sandy clay loam

**Properties and qualities**

*Slope:* 0 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high (0.20 to 0.57 in/hr)

*Depth to water table:* About 18 to 30 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Low (about 5.1 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2w

*Hydrologic Soil Group:* C/D

*Other vegetative classification:* Sandy over loamy soils on rises and knolls of mesic uplands (G133AA231FL), North Florida Flatwoods (R133AY004FL)

#### **Minor Components**

##### **Bonneau**

*Percent of map unit:* 5 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

##### **Chipley**

*Percent of map unit:* 4 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy soils on rises and knolls of mesic uplands (G133AA131FL)

##### **Foxworth**

*Percent of map unit:* 3 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy soils on rises, knolls, and ridges of mesic uplands (G133AA121FL), Longleaf Pine-Turkey Oak Hills (R133AY002FL)

### **115—Faceville loamy fine sand, 2 to 5 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1qq2m

*Elevation:* 30 to 500 feet

*Mean annual precipitation:* 44 to 67 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* All areas are prime farmland

#### **Map Unit Composition**

*Faceville and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Faceville

### Setting

*Landform:* Knolls on marine terraces

*Parent material:* Loamy and clayey marine deposits

### Typical profile

*A - 0 to 3 inches:* loamy fine sand

*E - 3 to 7 inches:* fine sandy loam

*Bt1 - 7 to 56 inches:* sandy clay

*Bt2 - 56 to 80 inches:* clay

### Properties and qualities

*Slope:* 2 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high (0.20 to 0.61 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 8.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2e

*Hydrologic Soil Group:* C

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)

## Minor Components

### Orangeburg

*Percent of map unit:* 8 percent

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interflue, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on knolls and ridges of mesic uplands (G133AA311FL)

### Norfolk

*Percent of map unit:* 4 percent

*Landform:* Ridges on marine terraces, knolls on marine terraces

*Landform position (three-dimensional):* Side slope, interflue

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on rises and knolls of mesic uplands (G133AA321FL)

**Bonneau**

*Percent of map unit:* 3 percent

*Landform:* Knolls on marine terraces

*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

**116—Faceville loamy fine sand, 5 to 8 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1qq2n

*Elevation:* 30 to 500 feet

*Mean annual precipitation:* 44 to 67 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* All areas are prime farmland

**Map Unit Composition**

*Faceville and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Faceville**

**Setting**

*Landform:* Ridges on marine terraces

*Parent material:* Loamy and clayey marine deposits

**Typical profile**

*A - 0 to 3 inches:* loamy fine sand

*E - 3 to 10 inches:* fine sandy loam

*Bt1 - 10 to 48 inches:* sandy clay

*Bt2 - 48 to 80 inches:* clay

**Properties and qualities**

*Slope:* 5 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high (0.20 to 0.61 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 8.3 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* C

*Other vegetative classification:* Loamy and clayey soils on ridges and side slopes of mesic uplands (G133AA312FL)

### **Minor Components**

#### **Orangeburg**

*Percent of map unit:* 8 percent

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on ridges and side slopes of mesic uplands (G133AA312FL)

#### **Norfolk**

*Percent of map unit:* 4 percent

*Landform:* Ridges on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

#### **Bonneau**

*Percent of map unit:* 3 percent

*Landform:* Ridges on marine terraces, hills on marine terraces

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy soils on rises, knolls, and ridges of mesic uplands (G133AA221FL)

## **117—Cowarts-Hosford complex, 8 to 45 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1t1s3

*Elevation:* 0 to 700 feet

*Mean annual precipitation:* 49 to 67 inches

*Mean annual air temperature:* 63 to 73 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Cowarts and similar soils:* 50 percent

*Hosford and similar soils:* 30 percent

*Minor components:* 20 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Cowarts**

#### **Setting**

*Landform:* Hillslopes, ridges on marine terraces

*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Loamy marine deposits

**Typical profile**

*A - 0 to 6 inches:* loamy fine sand  
*BE - 6 to 9 inches:* fine sandy loam  
*Bt - 9 to 23 inches:* sandy clay loam  
*C - 23 to 80 inches:* sandy loam

**Properties and qualities**

*Slope:* 8 to 45 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.60 in/hr)  
*Depth to water table:* About 36 to 54 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.1 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

**Description of Hosford**

**Setting**

*Landform:* Seeps on marine terraces  
*Landform position (three-dimensional):* Side slope, base slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Sandy marine deposits

**Typical profile**

*A1 - 0 to 4 inches:* mucky coarse sand  
*A2 - 4 to 65 inches:* mucky coarse sand  
*Cg - 65 to 80 inches:* sand

**Properties and qualities**

*Slope:* 8 to 12 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Very poorly drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)  
*Depth to water table:* About 0 to 6 inches

*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 4.8 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 5w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Sandy over loamy, loamy, and clayey soils on ridges and side slopes of hydric uplands (G133AA443FL)

#### **Minor Components**

##### **Plummer**

*Percent of map unit:* 8 percent  
*Landform:* Flats on marine terraces  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* sandy soils on flats of mesic or hydric lowlands (G133AA141FL), Wetland Hardwood Hammock (R133AY012FL)

##### **Bonneau**

*Percent of map unit:* 5 percent  
*Landform:* Hillslopes on marine terraces, valley sides on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

##### **Norfolk**

*Percent of map unit:* 4 percent  
*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

##### **Orangeburg**

*Percent of map unit:* 3 percent  
*Landform:* Hillslopes on marine terraces  
*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

## 118—Cowarts-Nankin complex, 15 to 45 percent slopes

### Map Unit Setting

*National map unit symbol:* 1t1s4

*Elevation:* 30 to 700 feet

*Mean annual precipitation:* 49 to 67 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 320 days

*Farmland classification:* Not prime farmland

### Map Unit Composition

*Cowarts and similar soils:* 48 percent

*Nankin and similar soils:* 40 percent

*Minor components:* 12 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Cowarts

#### Setting

*Landform:* Hillslopes on marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Loamy marine deposits

#### Typical profile

*A - 0 to 3 inches:* loamy fine sand

*BE - 3 to 8 inches:* fine sandy loam

*Bt - 8 to 28 inches:* sandy clay loam

*C - 28 to 80 inches:* sandy loam

#### Properties and qualities

*Slope:* 15 to 45 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.60 in/hr)

*Depth to water table:* About 36 to 54 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 4.0

*Available water storage in profile:* Moderate (about 7.3 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* C

*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

## Description of Nankin

### Setting

*Landform:* Hillslopes on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Stratified loamy and clayey marine deposits

### Typical profile

*A - 0 to 3 inches:* sandy loam  
*Bt1 - 3 to 11 inches:* sandy clay loam  
*Bt2 - 11 to 27 inches:* sandy clay  
*C - 27 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 15 to 45 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.57 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.8 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* C  
*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

## Minor Components

### Bonneau

*Percent of map unit:* 5 percent  
*Landform:* Hillslopes on marine terraces, valley sides on marine terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Sandy soils on strongly sloping to steep side slopes of mesic uplands (G133AA123FL)

### Norfolk

*Percent of map unit:* 4 percent  
*Landform:* Ridges on marine terraces  
*Landform position (three-dimensional):* Interfluvium, side slope  
*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on rises, knolls, and ridges of mesic uplands (G133AA322FL)

**Orangeburg**

*Percent of map unit:* 3 percent

*Landform:* Hillslopes on marine terraces

*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

**119—Wahee and Ochlockonee soils, 0 to 3 percent slopes, occasionally flooded**

**Map Unit Setting**

*National map unit symbol:* 1t4bx

*Elevation:* 0 to 800 feet

*Mean annual precipitation:* 59 to 70 inches

*Mean annual air temperature:* 63 to 72 degrees F

*Frost-free period:* 223 to 295 days

*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Wahee and similar soils:* 55 percent

*Ochlockonee and similar soils:* 33 percent

*Minor components:* 12 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Wahee**

**Setting**

*Landform:* Flood plains on marine terraces, flats on stream terraces on marine terraces

*Landform position (three-dimensional):* Tread, talf

*Down-slope shape:* Linear, convex

*Across-slope shape:* Linear

*Parent material:* Loamy marine deposits

**Typical profile**

*A - 0 to 6 inches:* sandy loam

*E - 6 to 14 inches:* fine sandy loam

*Btg - 14 to 80 inches:* sandy clay

**Properties and qualities**

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* About 18 to 30 inches

*Frequency of flooding:* Occasional

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* High (about 9.1 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4w  
*Hydrologic Soil Group:* D  
*Other vegetative classification:* Loamy and clayey soils on stream terraces and flood plains (G133AA334FL)

#### **Description of Ochlockonee**

##### **Setting**

*Landform:* Rises on flood plains on marine terraces  
*Landform position (three-dimensional):* Tread, riser, talf  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy alluvium

##### **Typical profile**

*A - 0 to 6 inches:* loamy sand  
*C1 - 6 to 45 inches:* loamy fine sand  
*C2 - 45 to 80 inches:* stratified sandy loam to loamy sand

##### **Properties and qualities**

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 36 to 60 inches  
*Frequency of flooding:* Occasional  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.8 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2w  
*Hydrologic Soil Group:* B  
*Other vegetative classification:* Loamy and clayey soils on stream terraces and flood plains (G133AA334FL)

#### **Minor Components**

##### **Rutlege**

*Percent of map unit:* 6 percent  
*Landform:* Depressions on stream terraces on marine terraces, flood plains on marine terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G133AA145FL)

#### **Pickney**

*Percent of map unit:* 6 percent

*Landform:* Flats on flood plains on marine terraces

*Landform position (three-dimensional):* Dip, talf

*Down-slope shape:* Concave, linear

*Across-slope shape:* Concave, linear

*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G133AA145FL)

### **120—Hardin Heights-Telogia complex, 5 to 45 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 1t4bz

*Elevation:* 0 to 700 feet

*Mean annual precipitation:* 48 to 67 inches

*Mean annual air temperature:* 55 to 72 degrees F

*Frost-free period:* 180 to 295 days

*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Hardin heights and similar soils:* 70 percent

*Telogia and similar soils:* 20 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Hardin Heights**

##### **Setting**

*Landform:* Ridges on marine terraces, hillslopes on marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Loamy and clayey residuum weathered from argillaceous limestone

##### **Typical profile**

*A1 - 0 to 3 inches:* sandy clay loam

*A2 - 3 to 12 inches:* loam

*C1 - 12 to 15 inches:* loam

*C2 - 15 to 20 inches:* silty clay

*R - 20 to 24 inches:* unweathered bedrock

##### **Properties and qualities**

*Slope:* 5 to 45 percent

*Depth to restrictive feature:* 7 to 20 inches to lithic bedrock

*Natural drainage class:* Well drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.14 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Low (about 3.5 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* D  
*Other vegetative classification:* Shallow or moderately deep, sandy or loamy soils on rises and ridges of mesic uplands (G133AA521FL)

#### **Description of Telogia**

##### **Setting**

*Landform:* — error in exists on —  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Clayey residuum weathered from limestone

##### **Typical profile**

*A - 0 to 5 inches:* sandy loam  
*Bt - 5 to 38 inches:* clay loam  
*C - 38 to 46 inches:* clay loam  
*R - 46 to 50 inches:* unweathered bedrock

##### **Properties and qualities**

*Slope:* 5 to 8 percent  
*Depth to restrictive feature:* 40 to 60 inches to lithic bedrock  
*Natural drainage class:* Somewhat poorly drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.14 in/hr)  
*Depth to water table:* About 18 to 36 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 4.0  
*Available water storage in profile:* Moderate (about 7.9 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* D  
*Other vegetative classification:* Loamy and clayey soils on flats of hydric or mesic lowlands (G133AA331FL)

## Minor Components

### Hosford

*Percent of map unit:* 6 percent

*Landform:* Seeps on marine terraces

*Landform position (two-dimensional):* Backslope, footslope

*Landform position (three-dimensional):* Base slope, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Sandy over loamy, loamy, and clayey soils on ridges and side slopes of hydric uplands (G133AA443FL)

### Cowarts

*Percent of map unit:* 4 percent

*Landform:* Valley sides on marine terraces, hillslopes on marine terraces

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Other vegetative classification:* Loamy and clayey soils on strongly sloping to steep side slopes of mesic uplands (G133AA313FL)

## Data Source Information

Soil Survey Area: Gadsden County, Florida

Survey Area Data: Version 20, Sep 26, 2014