

## 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

### Water Conservation Area, Florida

#### 2—Dania muck

##### Map Unit Setting

*National map unit symbol:* 2qvc9

*Elevation:* 10 to 30 feet

*Mean annual precipitation:* 48 to 56 inches

*Mean annual air temperature:* 70 to 77 degrees F

*Frost-free period:* 358 to 365 days

*Farmland classification:* Not prime farmland

### Map Unit Composition

*Dania and similar soils:* 95 percent

*Minor components:* 5 percent

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

### Description of Dania

#### Setting

*Landform:* Depressions on marine terraces

*Landform position (two-dimensional):* Toeslope

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

*Down-slope shape:* Concave, linear

*Across-slope shape:* Concave, convex

*Parent material:* Herbaceous organic material over limestone

#### Typical profile

*Oa - 0 to 12 inches:* muck

*R - 12 to 16 inches:* bedrock

#### Properties and qualities

*Slope:* 0 to 1 percent

*Depth to restrictive feature:* 7 to 20 inches to lithic bedrock

*Natural drainage class:* Very poorly drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (1.98 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:* Very low (about 3.0 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* Organic soils in depressions and on flood plains (G156AC645FL)

### Minor Components

#### Jupiter

*Percent of map unit:* 5 percent

*Landform:* Rises on marine terraces

*Landform position (two-dimensional):* Summit, shoulder, backslope

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Convex

*Other vegetative classification:* Sandy soils on stream terraces, flood plains, or in depressions (G156AC145FL)

### **3—Jupiter and Plantation soils, 0 to 2 percent slopes, occasionally ponded**

#### **Map Unit Setting**

*National map unit symbol:* 2qvcg  
*Elevation:* 10 to 30 feet  
*Mean annual precipitation:* 48 to 56 inches  
*Mean annual air temperature:* 70 to 77 degrees F  
*Frost-free period:* 358 to 365 days  
*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Plantation and similar soils:* 50 percent  
*Jupiter and similar soils:* 50 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Jupiter**

##### **Setting**

*Landform:* Rises on marine terraces  
*Landform position (two-dimensional):* Summit, shoulder, backslope  
*Landform position (three-dimensional):* Dip  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Parent material:* Sandy marine deposits over limestone

##### **Typical profile**

*A - 0 to 11 inches:* mucky fine sand  
*C - 11 to 14 inches:* fine sand  
*2R - 14 to 18 inches:* bedrock

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

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* 10 to 20 inches to lithic bedrock  
*Natural drainage class:* Poorly drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (1.98 to 19.98 in/hr)  
*Depth to water table:* About 0 to 12 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* Occasional  
*Calcium carbonate, maximum in profile:* 30 percent  
*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 2.2 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 stream terraces, flood plains, or in depressions (G156AC145FL)

### **Description of Plantation**

#### **Setting**

*Landform:* Depressions on marine terraces

*Landform position (two-dimensional):* Toeslope

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Herbaceous organic material over sandy marine deposits over limestone

#### **Typical profile**

*Oa - 0 to 10 inches:* muck

*A - 10 to 16 inches:* fine sand

*Btg - 16 to 35 inches:* fine sandy loam

*2R - 35 to 39 inches:* bedrock

#### **Properties and qualities**

*Slope:* 0 to 1 percent

*Depth to restrictive feature:* 20 to 40 inches to lithic bedrock

*Natural drainage class:* Very poorly drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (1.98 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 5.7 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7w

*Hydrologic Soil Group:* A/D

*Other vegetative classification:* Organic soils in depressions and on flood plains (G156AC645FL)

## **4—Lauderhill muck**

#### **Map Unit Setting**

*National map unit symbol:* 2qvcb

*Elevation:* 10 to 30 feet

*Mean annual precipitation:* 48 to 56 inches

*Mean annual air temperature:* 70 to 77 degrees F

*Frost-free period:* 358 to 365 days

*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Lauderhill and similar soils:* 100 percent

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

### **Description of Lauderhill**

#### **Setting**

*Landform:* Depressions on marine terraces  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Dip, talf  
*Down-slope shape:* Concave, linear  
*Across-slope shape:* Concave, convex  
*Parent material:* Herbaceous organic material over limestone

#### **Typical profile**

*Oa - 0 to 24 inches:* muck  
*R - 24 to 28 inches:* bedrock

#### **Properties and qualities**

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* 16 to 36 inches to lithic bedrock  
*Natural drainage class:* Very poorly drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (1.98 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:* Moderate (about 6.0 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Organic soils in depressions and on flood plains (G156AC645FL)

## **5—Okeelanta muck, limestone substratum**

#### **Map Unit Setting**

*National map unit symbol:* 2qvcc  
*Elevation:* 10 to 30 feet  
*Mean annual precipitation:* 48 to 56 inches  
*Mean annual air temperature:* 70 to 77 degrees F  
*Frost-free period:* 358 to 365 days  
*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Okeelanta, limestone substratum, and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Okeelanta, Limestone Substratum

### Setting

*Landform:* Depressions on marine terraces  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Dip  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave  
*Parent material:* Herbaceous organic material over sandy marine deposits over limestone

### Typical profile

*Oa - 0 to 47 inches:* muck  
*Cg - 47 to 75 inches:* fine sand  
*2R - 75 to 79 inches:* bedrock

### Properties and qualities

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* 52 to 80 inches to lithic bedrock  
*Natural drainage class:* Very poorly drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (1.98 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:* Very high (about 15.1 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Organic soils in depressions and on flood plains (G156AC645FL)

## 6—Pahokee muck, subaqueous

### Map Unit Setting

*National map unit symbol:* 2qvch  
*Elevation:* 10 to 30 feet  
*Mean annual precipitation:* 48 to 56 inches  
*Mean annual air temperature:* 70 to 77 degrees F  
*Frost-free period:* 358 to 365 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Pahokee, subaqueous, and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Pahokee, Subaqueous

### Setting

*Landform:* Depressions on marine terraces  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Dip  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave  
*Parent material:* Herbaceous organic material over limestone

### Typical profile

*Oa - 0 to 42 inches:* muck  
*R - 42 to 50 inches:* bedrock

### Properties and qualities

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* 36 to 50 inches to lithic bedrock  
*Natural drainage class:* Very poorly drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (1.98 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:* High (about 9.7 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Forage suitability group not assigned (G156AC999FL)

## 7—Pahokee muck

### Map Unit Setting

*National map unit symbol:* 2qvcf  
*Elevation:* 10 to 30 feet  
*Mean annual precipitation:* 48 to 56 inches  
*Mean annual air temperature:* 70 to 77 degrees F  
*Frost-free period:* 358 to 365 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Pahokee and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Pahokee

### Setting

*Landform:* Depressions on marine terraces  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Dip  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave  
*Parent material:* Herbaceous organic material over limestone

### Typical profile

*Oa - 0 to 46 inches:* muck  
*R - 46 to 50 inches:* bedrock

### Properties and qualities

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* 36 to 50 inches to lithic bedrock  
*Natural drainage class:* Very poorly drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (1.98 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:* High (about 10.6 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Organic soils in depressions and on flood plains (G156AC645FL)

## 8—Terra Ceia muck

### Map Unit Setting

*National map unit symbol:* 2qvcj  
*Elevation:* 10 to 30 feet  
*Mean annual precipitation:* 48 to 56 inches  
*Mean annual air temperature:* 70 to 77 degrees F  
*Frost-free period:* 358 to 365 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Terra ceia and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Terra Ceia

### Setting

*Landform:* Depressions on marine terraces  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Dip  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave  
*Parent material:* Herbaceous organic material

### Typical profile

*Oa - 0 to 80 inches:* muck

### Properties and qualities

*Slope:* 0 to 1 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:* Very high (about 23.9 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Organic soils in depressions and on flood plains (G156AC645FL)

## 9—Terra Ceia muck, limestone substratum

### Map Unit Setting

*National map unit symbol:* 2qvc  
*Elevation:* 10 to 30 feet  
*Mean annual precipitation:* 48 to 56 inches  
*Mean annual air temperature:* 70 to 77 degrees F  
*Frost-free period:* 358 to 365 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Terra ceia, limestone substratum, and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Terra Ceia, Limestone Substratum

### Setting

*Landform:* Depressions on marine terraces  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Dip  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave  
*Parent material:* Herbaceous organic material over limestone

### Typical profile

*Oa - 0 to 65 inches:* muck  
*R - 65 to 69 inches:* bedrock

### Properties and qualities

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* 52 to 80 inches to lithic bedrock  
*Natural drainage class:* Very poorly drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (1.98 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:* Very high (about 23.9 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Organic soils in depressions and on flood plains (G156AC645FL)

## 10—Dania muck, very shallow

### Map Unit Setting

*National map unit symbol:* 2rcpr  
*Elevation:* 10 to 30 feet  
*Mean annual precipitation:* 48 to 56 inches  
*Mean annual air temperature:* 70 to 77 degrees F  
*Frost-free period:* 358 to 365 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Dania, very shallow, and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Dania, Very Shallow

### Setting

*Landform:* Depressions on marine terraces  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Dip  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave  
*Parent material:* Herbaceous organic material over limestone

### Typical profile

*Oa - 0 to 6 inches:* muck  
*R - 6 to 7 inches:* bedrock

### Properties and qualities

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* 4 to 8 inches to lithic bedrock  
*Natural drainage class:* Very poorly drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (1.98 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:* Very low (about 1.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Organic soils in depressions and on flood plains (G156AC645FL)

## 11—Terra Ceia muck, occasionally ponded

### Map Unit Setting

*National map unit symbol:* 2rcps  
*Elevation:* 10 to 30 feet  
*Mean annual precipitation:* 48 to 56 inches  
*Mean annual air temperature:* 70 to 77 degrees F  
*Frost-free period:* 358 to 365 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Terra ceia, occasionally ponded, and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Terra Ceia, Occasionally Ponded

### Setting

*Landform:* Depressions on marine terraces  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Dip, talf  
*Down-slope shape:* Concave, linear  
*Across-slope shape:* Concave, convex  
*Parent material:* Herbaceous organic material

### Typical profile

*Oa - 0 to 80 inches:* muck

### Properties and qualities

*Slope:* 0 to 1 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:* Occasional  
*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 23.9 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7w  
*Hydrologic Soil Group:* A/D  
*Other vegetative classification:* Organic soils in depressions and on flood plains (G156AC645FL)

## 89—Water-Udorthents complex, 0 to 35 percent slopes

### Map Unit Setting

*National map unit symbol:* 2qvck  
*Elevation:* 10 to 30 feet  
*Mean annual precipitation:* 48 to 56 inches  
*Mean annual air temperature:* 70 to 77 degrees F  
*Frost-free period:* 358 to 365 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Water:* 55 percent  
*Udorthents and similar soils:* 45 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  
(G156AC999FL)

## Description of Udorthents

### Setting

*Landform:* Marine terraces

*Landform position (two-dimensional):* Summit, shoulder

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Altered marine deposits

### Typical profile

*A - 0 to 7 inches:* gravelly sand

*C1 - 7 to 57 inches:* gravelly sand

*C2 - 57 to 80 inches:* gravelly sand

### Properties and qualities

*Slope:* 0 to 35 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well 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:* Very low (about 2.4 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* A

*Other vegetative classification:* Forage suitability group not assigned  
(G156AC999FL)

## NOTCOM—No Digital Data Available

### Map Unit Composition

*Notcom:* 100 percent

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

**Description of Notcom**

**Properties and qualities**

**Data Source Information**

Soil Survey Area: Water Conservation Area, Florida

Survey Area Data: Version 3, Sep 18, 2014