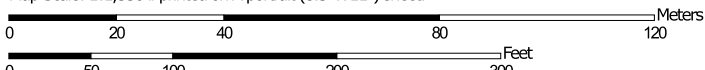


Soil Map—Nassau County, Florida



Soil Map may not be valid at this scale.

Map Scale: 1:1,350 if printed on A portrait (8.5" x 11") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84




MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)


Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot


 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole


 Slide or Slip


 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals

Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Nassau County, Florida

Survey Area Data: Version 18, Sep 10, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 31, 2009—Sep 13, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
4	Echaw fine sand	0.4	4.9%
9	Leon fine sand, 0 to 2 percent slopes	0.1	0.6%
10	Mandarin fine sand, 0 to 2 percent slopes	6.4	78.9%
24	Kingsferry fine sand	1.3	15.6%
Totals for Area of Interest		8.1	100.0%

Nassau County, Florida

24—Kingsferry fine sand

Map Unit Setting

National map unit symbol: 4g9g

Elevation: 0 to 150 feet

Mean annual precipitation: 47 to 55 inches

Mean annual air temperature: 64 to 72 degrees F

Frost-free period: 305 to 335 days

Farmland classification: Not prime farmland

Map Unit Composition

Kingsferry and similar soils: 89 percent

Minor components: 11 percent

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

Description of Kingsferry

Setting

Landform: Flats on marine terraces

Landform position (three-dimensional): Dip

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy marine deposits

Typical profile

A - 0 to 34 inches: fine sand

Bh1 - 34 to 67 inches: fine sand

Bh2 - 67 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: 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 0 inches

Frequency of flooding: None

Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (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): 4w

Hydrologic Soil Group: B/D

Forage suitability group: Sandy soils on flats of mesic or hydric lowlands (G153AA141FL)

Other vegetative classification: North Florida Flatwoods (R153AY004FL)

Hydric soil rating: Yes

Minor Components

Lynn haven

Percent of map unit: 4 percent

Landform: Depressions on marine terraces

Landform position (three-dimensional): Dip

Down-slope shape: Concave

Across-slope shape: Concave

Hydric soil rating: Yes

Leon, non-hydric

Percent of map unit: 4 percent

Landform: Flatwoods on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Convex

Across-slope shape: Linear

Hydric soil rating: No

Rutlege

Percent of map unit: 3 percent

Landform: Drainageways on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Concave, linear

Across-slope shape: Concave, linear

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Nassau County, Florida

Survey Area Data: Version 18, Sep 10, 2018

Nassau County, Florida

10—Mandarin fine sand, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2sxql

Elevation: 0 to 250 feet

Mean annual precipitation: 39 to 62 inches

Mean annual air temperature: 53 to 81 degrees F

Frost-free period: 209 to 365 days

Farmland classification: Not prime farmland

Map Unit Composition

Mandarin and similar soils: 92 percent

Minor components: 8 percent

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

Description of Mandarin

Setting

Landform: Rises

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

Parent material: Sandy marine deposits

Typical profile

A - 0 to 7 inches: fine sand

E - 7 to 13 inches: fine sand

Bh - 13 to 18 inches: fine sand

E' - 18 to 62 inches: fine sand

B'h - 62 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 very high (1.28 to 19.98 in/hr)

Depth to water table: About 18 to 30 inches

Frequency of flooding: None

Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Low (about 4.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6s

Hydrologic Soil Group: A

Forage suitability group: Sandy soils on rises and knolls of mesic uplands (G153AA131FL)
Hydric soil rating: No

Minor Components

Leon

Percent of map unit: 5 percent
Landform: Flatwoods
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: Yes

Centenary

Percent of map unit: 1 percent
Landform: Rises
Landform position (three-dimensional): Talf, rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Hydric soil rating: No

Rutlege

Percent of map unit: 1 percent
Landform: Drainageways, depressions
Down-slope shape: Linear, concave
Across-slope shape: Concave
Hydric soil rating: Yes

Ortega

Percent of map unit: 1 percent
Landform: Ridges, marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Data Source Information

Soil Survey Area: Nassau County, Florida
Survey Area Data: Version 18, Sep 10, 2018