

## **APPENDIX 12**

### **Soil Types**

**Keeson Fine Sand, very frequently flooded**

Setting

*Landscape:* Lower Coastal Plain

*Landform:* Tidal swamps

*Shape of areas:* Irregular

Composition

Keeson and similar soils: 85 percent

Dissimilar soils 15 percent

Typical Profile

Surface Layer: 0 to 5 inches – black fine sand that has about 10 percent, by volume, shell fragments

Substratum: 5 to 26 inches – light brownish gray fine sand that has about 15 percent, by volume, shell fragments

26 to 42 inches – mixed grayish brown and brown fine sand that has about 20 percent, by volume, shell fragments

42 to 80 inches – light brownish gray fine sand that has about 10 percent by, shell fragments

Soil Properties and Qualities

*Depth class:* Very Deep

*Drainage class:* Very poorly drained

*Permeability:* Moderately rapid or rapid

*Available water capacity:* High

*Seasonal high water table:* Apparent, from the surface to a depth of ½ foot from January through December

*Shrink-swell potential:* Low

*Flooding:* Very Frequent

*Surface runoff class:* Negligible

*Content of organic matter in the surface layer:* Low

*Natural fertility:* Low

*Parent material:* Sandy marine sediments

Minor Components

*Dissimilar soils:* Scattered areas of Wulfert soils

*Similar soils:* Small areas of soils that consist of more than 50 percent shell fragments

Land Use

*Dominant use:* Wildlife habitat

*Other uses:* None

*Suitability for urban development:* Very limited

*Suitability for recreational development:* Very limited

*Suitability for Wildlife habitat:*

*Potential for habitat elements:* Fair for wetland plants, shallow water areas and wildlife, poor for wild herbaceous plants and very poor for grains and seed crops, grasses and legumes, hardwood trees, and coniferous plants

*Potential as habitat for:* very poor for openland, woodland and wetland wildlife

*Suitability for woodland:* Not rated

Interpretive Groups

*Land capability classification:* 8w

*Ecological community:* Mangrove Swamp

**Beaches**

Setting

*Landscape:* Lower Coastal Plain

*Landform:* Beaches

*Location of areas:* Most areas of this map unite are on the western shore of the county.

*Shape of areas:* Typically, the areas are long strips that range from 30 to 200 feet in width.

Composition

Beaches: 95 percent

Dissimilar areas: 5 percent

Characteristics of Beaches

This map unit supports little or no vegetation. Areas are either bare or covered with saltwater during daily high tides and stormy periods. This mapping unit is used for beach and water activities.

Properties and Qualities

*Seasonal high water table:* Apparent, from 2 feet above the surface to the surface from January through December

*Flooding:* Very frequent

*Parent material:* Sandy marine sediments with varying amounts of shell fragments

Minor Components

*Dissimilar areas:* scattered areas of Palm Beach soils

Land Use

*Dominant use:* Recreation

*Other uses:* None

*Suitability for urban development:* Not rated

*Suitability for recreational development:* Not rated

*Suitability for wildlife habitat:* Not rated

*Suitability for woodland:* Not rated

Interpretive Groups

*Land capability classification:* 8w

*Ecological community:* South Florida Coastal Strand