Soil Series and Map Unit Name: Satellite sand (inclusion of Archbold sand, 0 to 5 percent slopes)
Map Unit Symbol: 14

SITE DATA:
Elevation: About 143 feet above MSL (Sunderland Marine Terrace)
Slope: 0 to 5 percent; On site: Nearly level with less than 1% gradient
Slope shape (Up/Down-Across): Convex-convex, convex-linear, linear-convex
Geomorphic positions: Summits, shoulders, and backslopes on ridges and rises
Archbold data:
Parent Material: Sandy marine deposits
Drainage Class: Well drained
Depth to seasonal high water table: 107 to greater than 203 centimeters from June through November
Ecological Community: Sand scrub
Vegetation: Sand Live Oak (Quercus Geminata), Florida Rosemary (Ceratiola ericodes), Scrub Palmetto (Sabal etonia), Saw palmetto (Serenoa repens), Silk Bay (Persea borbonia), Gopher Apple (Licania michauxii), Sand Pine (Pinus clausa), Prickly-Pear (Opuntia spp.), Hog Plum (Ximenia Americana), Sand Spike-moss (Selaginella arenicola)

ARCHBOLD PEDON DESCRIPTON (from Archbold Biological Station):  
Taxonomic Classification: Hyperthermic, uncoated Typic Quartzipsamments
Location: Highlands County, Florida. Archbold Biological Station; 0.1 mile north and 0.8 mile west of station headquarters; SW ¼, SW ¼, Sec. 7, R. 30 E., T. 38 S.

A horizon - 0 to 10 centimeters: Gray (10YR 6/1) sand; single grain; loose; many fine and medium roots; very strongly acid; gradual wavy boundary. 
E horizon (upper) - 10 to 86 centimeters: White (10YR 8/1) sand; single grain; loose; many fine and medium roots; moderately acid; gradual wavy boundary.
E horizon (middle) - 86 to 145 centimeters: White (10YR 8/1) sand; single grain; loose; many fine and medium roots; moderately acid; gradual wavy boundary.
E horizon (lower) - 145 to 203 centimeters: White (10YR 8/1) sand; single grain; loose; many fine and medium roots; moderately acid.

Note: Horizon designation changed from C horizons to E horizons based on presumption of underlying diagnostic horizons below 203 centimeters and to reflect the lab data which are supportive of E horizon (zone of eluviation).
ARCHBOLD SERIES RANGE IN CHARACTERISTICS: Soil reaction ranges from very strongly acid to slightly alkaline in all horizons.

The A or Ap horizon is a mixture of black (10YR 2/1) organic matter and white (10YR 8/1) sand grains. When rubbed, this horizon has hue of 10YR or 2.5Y, value of 3 to 5, and chroma of 1 or 2; or it is neutral with value of 3 to 5. Texture is coarse sand, sand, or fine sand.

The C horizon has hue of 10YR or 2.5Y, with value of 5 to 8, and chroma of 1 or 2; or it is neutral with value of 5 to 8. Upon burning the sand does not change color. Redoximorphic features in shades of yellow, brown, or red range from none to common. Texture is coarse sand, sand, or fine sand.

LABORATORY RESULTS (from Archbold Biological Station):

<table>
<thead>
<tr>
<th>TOP DEPTH</th>
<th>BOTTOM DEPTH</th>
<th>VCO SAND</th>
<th>COARSE SAND</th>
<th>MEDIUM SAND</th>
<th>FINE SAND</th>
<th>TOTAL SAND</th>
<th>TOTAL SILT</th>
<th>TOTAL CLAY</th>
<th>TEXTURE CLASS</th>
<th>BULK DENSITY</th>
<th>AWC</th>
<th>PH</th>
<th>ORGANIC CARBON</th>
<th>TOTAL BASES</th>
<th>CEC SUM</th>
<th>BASE SAT</th>
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<tbody>
<tr>
<td>0</td>
<td>10</td>
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<td>1.7</td>
<td>68.6</td>
<td>27.9</td>
<td>1.4</td>
<td>1</td>
<td>99.6</td>
<td>0</td>
<td>0.4</td>
<td>S</td>
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<td>0.08</td>
<td>5.3</td>
<td>0.27</td>
<td>0.09</td>
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<tr>
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<td>86</td>
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<td>2.7</td>
<td>69.3</td>
<td>26.1</td>
<td>1.3</td>
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<td>0</td>
<td>0.4</td>
<td>S</td>
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<td>0.04</td>
<td>5.7</td>
<td>0.05</td>
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<td>145</td>
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<td>66.8</td>
<td>29.9</td>
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<td>1</td>
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<td>NA</td>
<td>5.9</td>
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