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NEON Site-Level Plot Summary
Disney Wilderness Preserve (DSNY)

Document Information

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Authors
Craig Prink, Soil Survey Office Leader, Ft. Myers, FL

Martin Figueroa, Senior Soil Scientist, Ft. Myers, FL

Site Background

The Disney Wilderness Preserve (DSNY) is near Poinciana, Florida. The site is in Major Land Resource Area (MLRA) 155 – Southern Florida Flatwoods. This is within Land Resource Region U - Florida Subtropical Fruit, Truck Crop and Range Region. Approximate area is 11,579 acres and is within Osceola (FL097) and Polk (FL105) Counties, Florida.

The site was heavily logged and used as ranchland for decades. However, vegetation and site conditions have been restored to represent site condition records, as documented by the first Spanish missionaries in the area. Large-scale wetland and upland restoration at DSNY included removal of non-native, invasive plants and grasses and removal of agricultural ditches. The primary management practice is controlled burns.

Elevation ranges from approximately 13 meters (42 feet) to 21 meters (70 feet) above sea level. The mean annual temperature is about 22 degrees C (72 degrees F), and the mean annual precipitation is about 1397 millimeters (55 inches).

Site Information

Soil parent materials at the DSNY site are the result of erosional and depositional processes associated with the sea level advances and retreats during the Pleistocene-Pliocene period.

The geologic deposits are mapped as undifferentiated Quaternary Sediments subdivision – Qu. The surficial deposit varies in thickness and consist of silica-rich sands, silts, and clays; organics; and freshwater carbonates. The siliciclastics are light gray, tan, brown to black; unconsolidated to poorly consolidated; clean to clayey, silty, unfossiliferous, variably organic-bearing sands to blue green to olive green, poorly to moderately consolidated, sandy, silty clays. These materials represent Marine Terraces of former sea levels and are floored with sand, clay, silt and shells, that are bounded along their inner margin by shoreline features (e.g., relict beach ridges, swales, inner lagoons, seaward facing wave-cut scraps, or sea cliffs, and offshore and bay bars0. The DSNY site is on the Penholoway Marine Terrace. This terrace is 13 (42 feet) to 21 meters (70 feet) above sea level.

The landscape of the area is Coastal Plain composed of Marine Terrace landforms (Penholoway) and local landforms include Flatwoods, low broad flats, sloughs, drainageways, depressions, and low rises.

Land use on site is dominated by forest land, natural wetland and/or marshland, range land and pasture land, and water. In the past, most of the area was used for improved pasture and range land for cattle. This area is now a conservation site used for research with site restoration by the Nature Conservancy.

Plant communities are mainly intermixed conifer and hardwood forest, scrubby plants, and either grass herbaceous marshland, or tree covered swamp. This vegetation fits well with previous legacy ecological sites like South Florida Flatwoods, Sand Pine Scrub, and Freshwater Marsh and Ponds from the 26 Ecological Communities of Florida (1999). These legacy ecological sites (South Florida Flatwoods and Sand Pine Scrub) correlate to the following FNAI 2010 Natural Communities of Florida publication ecological sites: Pine Flatwoods and Dry Prairie Ecological Sites. These ecological sites have the following dominant vegetative communities: Mesic Flatwoods, Scrubby Flatwoods, and Wet Flatwoods on flats, flatwoods, and sloughs.

The legacy ecological site called Freshwater Marsh and Ponds correlates to Freshwater Non-Forested Wetlands with Wet Prairie and Depression Marsh as dominant vegetative communities, and to Freshwater Forested Wetlands ecological site with Dome Swamp and Hydric Hammock as dominant vegetative communities on depressions and broad drainageways.

Major soil series are Immokalee, Hontoon, Smyrna and Myakka; these are 59 percent of the area. These soils occur on the following landforms: Flatwoods, low broad flats, slough, drainageways, depressions, and low rises.

Analysis of Plots for Sampling

Vegetation was uniform on each landform position. The subset of NEON plots selected to sample were chosen based on elevation, geomorphology, and vegetative communities. Within the DSNY site boundaries there are 40 soil mapping units. Sixteen sampling plots were chosen in 10 soil mapping units (64 % of total acres site of the area). Sampled soil plots were described using USDA NRCS Field Book for Describing and Sampling Soil Field Description (232) forms and sampled using approved techniques for lab characterization and the descriptions were entered into the NASIS Pedon database.

Approximately 30 map units were not sampled, but these generally represented map units of small extent. The map units that were not sampled represent 37 % of total acreage of the area (Table 1).

County	Map unit symbol	Map Unit Name	GIS Acres	% Total site area
Osceola	10	Delray loamy fine sand, depressional	44.6	0.39
Osceola	12	Floridana fine sand, depressional	12.9	0.11

Osceola	13	Gentry fine sand	318.1	2.75
Osceola	15	Hontoon muck	407.8	3.52
Osceola	17	Kaliga muck	21.7	0.19
Osceola	22	Myakka fine sand	88.9	0.77
Osceola	26	Oldsmar fine sand	7.0	0.06
Osceola	27	Ona fine sand	14.8	0.13
Osceola	30	Pineda fine sand	9.1	0.08
Osceola	32	Placid fine sand, depressional	331.9	2.87
Osceola	34	Pomello fine sand, 0 to 5 percent slopes	50.3	0.43
Osceola	36	Pompano fine sand	18.7	0.16
Osceola	38	Riviera fine sand	77.6	0.67
Osceola	39	Riviera fine sand, depressional	5.4	0.05
Osceola	40	Samsula muck	126.3	1.09
Osceola	43	St. Lucie fine sand, 0 to 5 percent slopes	4.2	0.04
Osceola	45	Wabasso fine sand	17.9	0.15
Osceola	6	Basinger fine sand, depressional	260.5	2.25
Osceola	9	Cassia fine sand	14.1	0.12
Osceola	99	Water	47.5	0.41
Polk	13	Samsula muck	130.6	1.13
Polk	19	Floridana mucky fine sand, depressional	393.7	3.40
Polk	23	Ona fine sand	266.6	2.30
Polk	25	Placid and Myakka fine sands, depressional	158.1	1.37
Polk	32	Kaliga muck	166.2	1.44
Polk	35	Hontoon muck	417.8	3.61
Polk	36	Basinger mucky fine sand, depressional	10.9	0.09
Polk	40	Wauchula fine sand	35.5	0.31
Polk	43	Oldsmar fine sand	117.8	1.02
Polk	74	Narcoossee sand	8.1	0.07
Polk	75	Valkaria sand	8.7	0.07
Polk	82	Felda fine sand, frequently flooded	407.8	3.52
Polk	83	Archbold sand, 0 to 5 percent slopes	38.6	0.33
Polk	85	Winder fine sand, depressional	88.1	0.76
Polk	87	Basinger fine sand	191.0	1.65
Polk	86	Felda fine sand, depressional	3.1	0.03
		Total	**4321.6**	**37.35**

Table 1. Percent total area occupied for map units that were not sampled.

The sampled map units (25% of the site map units) represent 63% of the total acres of the Disney Wilderness Preserve site (Table 2).

County	Map unit symbol	Map Unit Name	GIS Acres	% Total site area
Osceola	11	EauGallie fine sand	27.5	0.24
Osceola	16	Immokalee fine sand	1145.9	9.90
Osceola	41	Satellite sand	189.5	1.64
Osceola	42	Smyrna fine sand	1635.9	14.14
Osceola	5	Basinger fine sand	129.7	1.12
Polk	10	Malabar fine sand	387.7	3.35
Polk	17	Smyrna and Myakka fine sands	2078.4	17.96
Polk	21	Immokalee sand	1121.0	9.69
Polk	22	Pomello fine sand	117.3	1.01
Polk	5	EauGallie fine sand	88.9	0.77
Polk	70	Duette fine sand	318.4	2.75
Polk	77	Satellite sand	9.4	0.08
		Total	**7249.5**	**62.65**

Table 2. Percent total area occupied of map units that were sampled.

The sites selected as sample plots are typical within the map unit delineation. The plots are a wide cross-section of the series in the map units and similar soils (inclusions). For the most part, the series indicated fall within or near the Range in Characteristics (RIC) of the individual major component, minor components, and/or, inclusions. The site selections are placed to include all geomorphic landform positions across the landscape within the area.

Plot Findings

A total of 16 (47%) of the 34 plots located within the DSNY site boundary limits were sampled and they represent 10 soil map units (25 % of the total map units within the preserve); the number of plots and map units sampled represents 63% of the total area of the preserve. The soil components sampled represent the Myakka, Satellite, Basinger, Zolfo, Smyrna, Pomello, Oldsmar, Pompano, Cassia, and EauGallie soil series. Most of these series vary only by one or

two physical characteristics. Most of the plots were sampled in forest vegetation (81%) and the rest were on pasture land (19%).

Landforms—NEON Plots DSNY_002, DSNY_004, DSNY_010, DSNY_018, and DSNY_044 are on flatwoods (31%). Plots DSNY_001, DSNY_005, DSNY_006, DSNY_015, DSNY_019 and DSNY_022 are on slightly higher positions on the landscape within the flatwoods (38%). Plots DSNY_009, DSNY_011, DSNY_023, DSNY_027, and DSNY_036 are on flats (micro low) within the flatwoods (31%).

Summary of Soils

Images of soil pedons and details reported in the Pedon Description document are available in Appendix 1.

The soils were sampled under a dominantly scrubby saw palmetto and pine tree forest cover and generally had thin A horizons. These horizons have been eroded due to past agriculture-related activities and possibly silviculture activities. These horizons ranged from 0 to 18 cm in thickness. About 88% of the sampled soils have ochric, albic and spodic diagnostic horizons. About 6% have an argillic horizon below the spodic horizon and 6% have an A or Ap horizon over a light brownish gray C horizon. The majority of the sites (38%) are somewhat poorly drained and occur on risers (micro high) with in the Flatwoods. About 31% of the sites are very poorly drained on flats (micro lows) with in the flatwoods and 31% are poorly drained on Flatwoods.

The most common soils sampled were the Smyrna series (32%) on low broad flats and on flatwoods. Smyrna soils classify as sandy, siliceous, hyperthermic Aeric Alaquods and developed in thick deposits of sandy marine materials. Smyrna soils are poorly or very poorly drained, depending on the landform position. This soil has an ochric epipedon that ranges from 10 to 36 cm thick, an albic horizon (E) between the A and Bh horizons that ranges from 5 to 36 cm thick and a spodic horizon that ranges from 25 to 51 cm (10 to 20 inches) in depth. The plots having Smyrna soils sampled are DSNY_027, DSNY_009, DSNY_044, DSNY_010 and DSNY_011.

The next most common soils sampled were the Pomello (13%) and Satellite (13%) series on a (micro high) rise on flatwoods landform positions. Pomello soils classify as sandy, siliceous, hyperthermic Oxyaquic Alorthods and developed in sandy marine sediments. Pomello soils are somewhat poorly or moderately well drained, depending on landform position. This soil has an ochric epipedon that ranges from 2 to 127 cm thick, an albic horizon (E) between the A and Bh horizons that ranges from 66 to 127 cm thick (26 to 50 inches thick) and a spodic horizon that ranges from 76 to 127 cm in depth. Plots having Pomello soils sampled are DSNY_ 005 and DSNY_019. Satellite soils classify as hyperthermic, uncoated Aquic Quartzipsamments and developed in sandy marine sediments. Satellite soils are somewhat poorly drained. These soils have a thin A or Ap horizon that ranges from 5 to 20 cm thick. Below the A or Ap horizon is a C horizon typically consisting of light brownish gray sand. Plots having Satellite soils sampled are DSNY_006 and DSNY_022.

The remaining soil series sampled were encountered in one plot each and represent about 6% each. These sampled soils represent the EauGallie, Myakka, Oldsmar, Pompano, Basinger,

Cassia, and Zolfo series. EauGallie soils occur on low broad flats and flatwoods positions. EauGallie soils classify as sandy, siliceous, hyperthermic Alfic Alaquods and developed in sandy and loamy marine sediments. These soils are poorly or very poorly drained, depending on landform position. These soils have an ochric epipedon that ranges from 8 to 51 cm thick (3 to 20 inches thick), an albic horizon that ranges from 15 to 51 cm thick, a spodic horizon that ranges from 51 to 76 cm thick, and an argillic horizon that ranges from 102 to 152 cm in depth. EauGallie soils were sampled at plot DSNY_002.

Myakka soils occur on low broad flats and flatwoods positions. Myakka soils classify as sandy, siliceous, hyperthermic Aeric Alaquods and developed in sandy marine sediments. These soils are poorly or very poorly drained, depending on landform position. These soil have an ochric epipedon that ranges from 8 to 64 cm thick, an albic horizon that ranges from 30 to 64 cm thick, and a spodic horizon that ranges from 51 to 91 cm in depth. Myakka soils were sampled at plot DSNY_004.

Oldsmar soils occur on low broad flats and flatwoods positions. Oldsmar soils classify as sandy, siliceous, hyperthermic Alfic Arenic Alaquods and developed in sandy and loamy marine sediments. These soils are poorly or very poorly drained, depending on landform position. These soils have an ochric epipedon that ranges from 8 to 102 cm thick, an albic horizon that ranges from 66 to 102 cm thick, a spodic horizon that ranges from 76 to 127 cm thick, and an argillic horizon that ranges from 102 to 203 cm in depth. Oldsmar soils were sampled at plot DSNY_018.

Pompano soils occur on low broad flats and flatwoods positions. Pompano soils classify as siliceous, hyperthermic Typic Psammaquents and developed in sandy marine sediments. These soils are poorly or very poorly drained, depending on landform position. These soils have a thick A or Ap horizon that ranges from 5 to 53 cm thick. Below the A horizon is a C horizon that is primarily very pale brown and light gray in color. Pompano soils were sampled at plot DSNY_036.

Basinger soils occur on low broad flats and flatwoods positions. Basinger soils classify as siliceous, hyperthermic Spodic Psammaquents and developed in sandy marine sediments. These soils are poorly or very poorly drained, depending on landform position. These soils have an ochric epipedon that ranges from 5 to 107 cm thick, an albic horizon (E) between the A and Bh horizons that ranges from 13 to 107 cm thick, and has spodic materials (intergrade) that ranges from 33 to 191 cm in depth. Basinger soils were sampled at plot DSNY_023.

Cassia soils occur on rises (micro high) on flatwoods positions. Cassia soils classify as sandy, siliceous, hyperthermic Oxyaquic Alorthods and developed in sandy marine sediments. These soils are somewhat poorly drained. These soils have an ochric epipedon that ranges from 5 to 71 cm thick, an albic horizon that ranges from 20 to 71 cm thick, and a spodic horizon that ranges from 51 to 76 cm in depth. Cassia soils were sampled at plot DSNY_015.

Zolfo soils occur on rises (micro high) on flatwoods positions. Zolfo soils classify as sandy, siliceous, hyperthermic Oxyaquic Alorthods and developed in sandy marine sediments. These soils are somewhat poorly drained. These soils have an ochric epipedon that ranges from 5 to 178 cm thick, an albic horizon that ranges from 122 to 178 cm thick, and a spodic horizon that ranges from 127 to 203 cm in depth. Zolfo soils were sampled at plot DSNY_001.

Appendix 1

Plot details as reported in Pedon Descriptions as well as images of the sampled soil profiles.

- **DSNY_001**
- **User Site ID:** S2017FL097001
- **User Pedon ID:** S2017FL097001
- **Soil Name as Correlated:** Zolfo
- **Correlated Classification:** Sandy, siliceous, hyperthermic
Oxyaquic Alorthods
- **State:** Florida
- **County:** Osceola
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL097 -- Osceola County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 16 -- Immokalee fine sand
- **Quad Name:** Lake Hatchineha, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon is located in a flatwood area
approximately 405 meters (1,337 feet) west and 408 meters
(1,346 feet) south of the northwest corner of Section 33,
Township 27 South, and Range 29 East

- **DSNY_004**
- **User Site ID:** S2017FL097004
- **User Pedon ID:** S2017FL097004
- **Soil Name as Correlated:** Myakka
- **Correlated Classification:** Sandy, siliceous, hyperthermic
Aeric Alaquods
- **State:** Florida
- **County:** Osceola
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL097 -- Osceola County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 5 -- Basinger fine sand
- **Quad Name:** Lake Hatchineha, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon site is located in a flat area
appromimately 262 meters (866 feet) east and 89 meters
(294 feet) south of the northwest corner of Section 34,
Township 27 South, and Range 29 East

- **DSNY_006**
- **User Site ID:** S2017FL097006
- **User Pedon ID:** S2017FL097006
- **Soil Name as Correlated:** Satellite
- **Correlated Classification:** Hyperthermic, uncoated Aquic Quartzipsamments
- **State:** Florida
- **County:** Osceola
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL097 -- Osceola County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 41 -- Satellite sand
- **Quad Name:** Lake Hatchineha, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon is located in a riser within a Flatwood area that
has been burnt for brush control approximately 739 meters (2,439 feet) east
and 873 meters (2,881 feet) north of the Southwest corner of Section 34,
Township 27 South, and Range 29 East

- **DSNY_010**
- **User Site ID:** S2017FL097010
- **User Pedon ID:** S2017FL097010
- **Soil Name as Correlated:** Smyrna
- **Correlated Classification:** Sandy, siliceous, hyperthermic
Aeric Alaquods
- **State:** Florida
- **County:** Osceola
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL097 -- Osceola County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 42 -- Smyrna fine sand
- **Quad Name:** Lake Hatchineh**a, Florida**
- **Location Description: Nature** Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon site is located in a Flatwood
area approximately 390 meters (1,287 feet) west and 412
meters (1,360 feet) north of the southwest corner of Section
22, Township 27 South, and Range 29 East

DSNY_015

- **User Site ID:** S2017FL097015
- **User Pedon ID:** S2017FL097015
- **Soil Name as Correlated:** Cassia
- **Correlated Classification:** Sandy, siliceous, hyperthermic
Oxyaquic Alorthods
- **State:** Florida
- **County:** Osceola
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL097 -- Osceola County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 41 -- Satellite sand
- **Quad Name:** Lake Hatchineha, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon is located in a rise micro high
within a flatwood area about 350 meters (1,155 feet) south
and 106 meters (349 feet) east of the northwest corner of
Section 28, Township 27 South, and Range 28 South

- **DSNY_023**
- **User Site ID:** S2017FL097023
- **User Pedon ID:** S2017FL097023
- **Soil Name as Correlated:** Basinger
- **Correlated Classification:** Siliceous, hyperthermic Spodic
Psammaquents
- **State:** Florida
- **County:** Osceola
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL097 -- Osceola County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 42 -- Smyrna fine sand
- **Quad Name:** Lake Hatchineha, Florida
- Location Description: Nature Conservancy - Disney Wilderness Preserve
- Legal Description: The Pedon is located in a low flat within a
Flatwood area approximately 614 meters (2,026 feet) south
and 10 meters (33 feet) east of the northeast corner of
Section 32, Township 27 South, and Range 29 East

- **DSNY_027**
- **User Site ID:** S2017FL097027
- **User Pedon ID:** S2017FL097027
- **Soil Name as Correlated:** Smyrna
- **Correlated Classification:** Sandy, siliceous, hyperthermic
Aeric Alaquods
- **State:** Florida
- **County:** Osceola
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL097 -- Osceola County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 16 -- Immokalee fine sand
- **Quad Name:** Lake Hatchineha, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon is located in a Flatwoods area
approximately 785 meters (2,591 feet) north and 151 meters
(498 feet) east from the southwest corner of Section 34,
Township 27 South, and Range 29 East

- **DSNY_044**
- **User Site ID:** S2017FL097044
- **User Pedon ID:** S2017FL097044
- **Soil Name as Correlated:** Smyrna
- **Correlated Classification:** Sandy, siliceous, hyperthermic Aeric Alaquods
- **State:** Florida
- **County:** Osceola
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL097 -- Osceola County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 42 -- Smyrna fine sand
- **Quad Name:** Lake Tohopekaliga, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon is located in a Flatwood area converted to a pasture about 564 meters (1,861 feet) east and 346 meters (1,142 feet) south of the northwest corner of Section 20, Township 27 South, and Range 29 East

DSNY_002
User Site ID: S2017FL105002
User Pedon ID: S2017FL105002
Soil Name as Correlated: Eaugallie
Correlated Classification: Sandy, siliceous, hyperthermic Alfic Alaquods
State: Florida
County: Polk
MLRA: 155 -- Southern Florida Flatwoods
Soil Survey Area: FL105 -- Polk County, Florida
MLRA Soil Survey Office: 7-FOR -- Ft. Myers, Florida
Map Unit: 5 -- EauGallie fine sand
Quad Name: Lake Hatchineha, Florida
Location Description: Nature Conservancy - Disney Wilderness Preserve
Legal Description: The Pedon is located in a Flatwood area about 114 meters (376 feet) west and 620 meters (2,046 feet) north of the Southeast corner of Section 16, Township 28 South, and Range 29 East

- **DSNY_005**
- **User Site ID:** S2017FL105005
- **User Pedon ID:** S2017FL105005
- **Soil Name as Correlated:** Pomello
- **Correlated Classification:** Sandy, siliceous, hyperthermic Oxyaquic Alorthods
- **State:** Florida
- **County:** Polk
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** 7-FOR -- Ft. Myers, Florida
- **MLRA Soil Survey Office:** FL105 -- Polk County, Florida
- **Map Unit:** 22 -- Pomello fine sand
- **Quad Name:** Lake Hatchineha, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon Site is located in a Flatwood area approximately 564 meters (1,861 feet) east and 160 meters (528 feet) south of the northwest corner of Section 13, Township 28 South, and Range 29 East

- **DSNY_009**
- **User Site ID:** S2017FL105009
- **Soil Name as Correlated:** Smyrna
- **Correlated Classification:** Sandy, siliceous, hyperthermic Aeric Alaquods
- **State:** Florida
- **County:** Polk
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL105 -- Polk County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 17 -- Smyrna and Myakka fine sands
- **Quad Name:** Lake Hatchineha, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon site is located in a Flatwoods converted to a pasture area approximately 293 meters (967 feet) east and 307 meters (1,013 feet) north of the southwest corner of Section 4, Township 28 South, and Range 29 East

- **DSNY_011**
- **User Site ID:** S2017FL105011
- **User Pedon ID:** S2017FL105011
- **Soil Name as Correlated:** Smyrna
- **Correlated Classification:** Sandy, siliceous, hyperthermic Aeric Alaquods
- **State:** Florida
- **County:** Polk
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL105 -- Polk County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 17 -- Smyrna and Myakka fine sands
- **Quad Name:** Lake Hatchineha, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon is located in a Hammock area about 127 meters (419 feet) west and 31 meters (102 feet) north of the southwest corner of Section 2, Township 28 South, and Range 29 East

- **DSNY_018**
- **User Site ID:** S2017FL105018
- **User Pedon ID:** S2017FL105018
- **Soil Name as Correlated:** Oldsmar
- **Correlated Classification:** Sandy, siliceous, hyperthermic Alfic Arenic Alaquods
- **State:** Florida
- **County:** Polk
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL105 -- Polk County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 10 -- Malabar fine sand
- **Quad Name:** Lake Hatchineha, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon Site is located in a Flatwood area about 546 meters (1,791 feet) east and 615 meters (2,018 feet) north of the southwest corner of Section 9, Township 28 South, and Range 29 East

- **DSNY_019**
- **User Site ID:** S2017FL105019
- **User Pedon ID:** S2017FL105019
- **Soil Name as Correlated:** Pomello
- **Correlated Classification:** Sandy, siliceous, hyperthermic Oxyaquic Alorthods
- **State:** Florida
- **County:** Polk
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL105 -- Polk County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 70 -- Duette fine sand
- **Quad Name:** Lake Hatchineha, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon site is located in a riser with a Flatwood area approximately 416 meters (1,373 feet) and 471 meters (1,554 feet) north of the southwest corner of Section 2, Township 28 South, and Range 29 East

- **DSNY_022**
- **User Site ID:** S2017FL105022
- **User Pedon ID:** S2017FL105022
- **Soil Name as Correlated:** Satellite
- **Correlated Classification:** Hyperthermic, uncoated Aquic Quartzipsamments
- **State:** Florida
- **County:** Polk
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL105 -- Polk County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 21 -- Immokalee sand
- **Quad Name:** Lake Hatchineha, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon site is located in a small riser in the flatwoods about 605 meters (1,997 feet) east and 205 meters (677 feet) south of the northwest corner of Section 2, Township 28 South, and Range 29 East

- **DSNY_036**
- **User Site ID:** S2017FL105036
- **User Pedon ID:** S2017FL105036
- **Soil Name as Correlated:** Pompano
- **Correlated Classification:** Siliceous, hyperthermic Typic Psammaquents
- **State:** Florida
- **County:** Polk
- **MLRA:** 155 -- Southern Florida Flatwoods
- **Soil Survey Area:** FL105 -- Polk County, Florida
- **MLRA Soil Survey Office:** 7-FOR -- Ft. Myers, Florida
- **Map Unit:** 21 -- Immokalee sand
- **Quad Name:** Lake Hatchineha, Florida
- **Location Description:** Nature Conservancy - Disney Wilderness Preserve
- **Legal Description:** The Pedon site is located in a Flatwoods converted to a pasture area approximately 158 meters (521 feet) west and 556 meters (1,835 feet) north of the southeast corner of Section 11, Township 28 South, and Range 29 East