

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 28 2016

Describer: Arvin.P; Alston.S; Martin.F

NEON Plot ID: OSBS_002

Site ID: S2016FL107002

Pedon ID: S2016FL107002

Site Note: The plants described on this site correlates well to the legacy ecological site 4 - Longleaf Pine Turkey Oaks Hills. The 4 - Longleaf Pine Turkey Oaks Hills correlates well High Pine and Scrub - sandhill from FNAI Natural Communities of Florida publication.; The map unit is Apopka sand, 0 to 5 percent slopes. Candler is a minor component of this map unit.; This site was OSBS_002; it was sampled 1 meter south and 1 meter west of SW_002 corner. This was north east facing aspect on a 0.5 % gradient. It is in the middle third backslope. This Pedon is representative of the Candler Series, representative of the map unit concept and site.

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0221

Soil Name as Described/Sampled:

Classification:

Soil Name as Correlated: Candler

Classification: Hyperthermic, uncoated Lamellic Quartzipsamments

Pedon Type: undefined observation

Pedon Purpose: research site

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on backslope of rise riser of nose slope of ridge on marine terrace on coastal plain

Upslope Shape: convex

Cross Slope Shape: convex

Particle Size Control Section: 25 to 100 cm.

Description origin: Pedon PC 6.3

Diagnostic Features: ochric epipedon 0 to 100 cm.

Country:

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area: FL107 -- Putnam County Area, Florida

7-FOR -- Ft. Myers, Florida

Map Unit: 15 -- Apopka sand, 0 to 5 percent slopes

Pit Location:

Quad Name:

Std Latitude: 29.7036790

Std Longitude: -81.9570220

Latitude: 29 degrees 42 minutes 13.24 seconds north

Longitude: 81 degrees 57 minutes 25.27 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 417104 meters

UTM Northing: 3286251 meters

Primary Earth Cover: Tree cover

Secondary Earth Cover: Other tree cover

Existing Vegetation: bluejack oak, longleaf pine, pineland threeawn, post oak, turkey oak, wiregrass gentian

Parent Material: eolian and sandy marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107002

Pedon ID: S2016FL107002

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
4.0	37.0	45	22.0			1,300	350	excessively		

A--0 to 10 centimeters (0.0 to 3.9 inches); dark gray (10YR 4/1) fine sand; single grain; loose, nonsticky, nonplastic; nonfluid; common medium roots throughout and common fine roots throughout and few coarse roots throughout; clear wavy boundary. Lab sample # 18N01476

E--10 to 100 centimeters (3.9 to 39.4 inches); light yellowish brown (10YR 6/4) fine sand; single grain; loose, nonsticky, nonplastic; nonfluid; few medium roots throughout and few fine roots throughout; many uncoated sand grains; common medium charcoal; clear smooth boundary. Lab sample # 18N01477

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 22 2016

Describer: Crockett/Depew/Nichols

NEON Plot ID: OSBS_003

Site ID: S2016FL107003

Pedon ID: S2016FL107003

Site Note: Existing Vegetation: Laurel Oak, Longleaf Pine, and Sand Vine.

Pedon Note: 4cm of forest litter/ Duff/OM.(not described or sampled.)

Lab Source ID: KSSL

Lab Pedon #: 18N0222

Soil Name as Described/Sampled:

Classification:

Soil Name as Correlated: Tavares

Classification: Hyperthermic, uncoated Typic Quartzipsamments

Pedon Type: undefined observation

Pedon Purpose: research site

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on backslope of side slope of marine terrace

Upslope Shape: linear

Cross Slope Shape: convex

Particle Size Control Section: 25 to 100 cm.

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 18 cm.

Country: United States

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area:

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 29.6948111

Std Longitude: -81.9476000

Latitude: 29 degrees 41 minutes 41.32 seconds north

Longitude: 81 degrees 56 minutes 51.36 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 408326 meters

UTM Northing: 3285344 meters

Primary Earth Cover: Tree cover

Secondary Earth Cover: Intermixed conifers and hardwoods

Existing Vegetation:

Parent Material: sandy marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107003

Pedon ID: S2016FL107003

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
6.0	33.5	345						moderately well		

A--0 to 18 centimeters (0.0 to 7.1 inches); dark grayish brown (10YR 4/2) sand; single grain; loose, nonsticky, nonplastic; few medium roots and common fine roots; 5 percent 10YR 8/1) skeletal; clear wavy boundary. Lab sample # 18N01478

C--18 to 100 centimeters (7.1 to 39.4 inches); yellowish brown (10YR 5/4) sand; single grain; loose, nonsticky, nonplastic; few medium roots and common fine roots; . Lab sample # 18N01479

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 24 2016

Describer: Arvin.P; Alston.S; Martin.F

NEON Plot ID: OSBS_005

Site ID: S2016FL107005

Pedon ID: S2016FL107005

Site Note: The plants described on this site correlates well to the legacy ecological site 12 - Wetland Hardwood Hammocks. The 12 - Wetland Hardwood Hammocks correlates well to Freshwater Forested Wetlands - Hardwood (Bottomland Forest) from FNAI Natural Communities of Florida publication.; The map unit is Placid-Pompano association, frequently flooded.; This site was OSBS_005; it was sampled 1 meter south and 1 meter west of SW_005 corner. This was north east facing aspect on a 2 % gradient. It is the middle one third backslope. This Pedon is representative of the Placid Series, representative of the map unit concept and site.

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0223

Soil Name as Described/Sampled:

Classification:

Soil Name as Correlated: Placid

Classification: Sandy, siliceous, hyperthermic Typic Humaquepts

Pedon Type: undefined observation

Pedon Purpose: research site

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on footslope of talf tread of flat on marine terrace on coastal plain

Upslope Shape: convex

Cross Slope Shape: linear

Particle Size Control Section: 25 to 100 cm.

Description origin: Pedon PC 6.3

Diagnostic Features: umbric epipedon 0 to 60 cm.
endosaturation 0 to 100 cm.

Country:

State: Florida

County: Putnam

MLRA: 155 -- Southern Florida Flatwoods

Soil Survey Area: FL107 -- Putnam County Area, Florida

7-FOR -- Ft. Myers, Florida

Map Unit: 43 -- Placid-Pompano association, frequently flooded

Pit Location:

Quad Name:

Std Latitude: 29.6963870

Std Longitude: -82.0257830

Latitude: 29 degrees 41 minutes 46.99 seconds north

Longitude: 82 degrees 1 minutes 32.81 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 404653 meters

UTM Northing: 3288444 meters

Primary Earth Cover: Tree cover

Secondary Earth Cover: Intermixed conifers and hardwoods

Existing Vegetation: bluestem, greenbrier, laurel oak, live oak, loblolly bay, red maple, slash pine, sweetgum

Parent Material: thick sandy marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107005

Pedon ID: S2016FL107005

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	33.0	45	22.0			1,300	360	poorly		

A1--0 to 20 centimeters (0.0 to 7.9 inches); black (10YR 2/1) mucky fine sand; weak medium subangular blocky structure; friable, slightly sticky, nonplastic; nonfluid; common medium roots throughout and common fine roots throughout; clear smooth boundary. Lab sample # 18N01480

A2--20 to 60 centimeters (7.9 to 23.6 inches); very dark gray (10YR 3/1) fine sand; weak fine granular structure; very friable, nonsticky, nonplastic; nonfluid; few medium roots throughout and few fine roots throughout; common pokes of light gray (10YR 7/1) fine sand; clear smooth boundary. Lab sample # 18N01481

C--60 to 100 centimeters (23.6 to 39.4 inches); light yellowish brown (2.5Y 6/3) fine sand; single grain; loose, nonsticky, nonplastic; nonfluid; clear smooth boundary. Lab sample # 18N01482

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 31 2016

Describer: Burns, Friend, Martinez

NEON Plot ID: OSBS_007

Site ID: S2016FL107007

Pedon ID: S2016FL107007

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0224

Soil Name as Described/Sampled: Candler

Classification: Hyperthermic, uncoated Lamellic Quartzipsamments

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose:

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on backslope of side slope of None Assigned

Upslope Shape: linear

Cross Slope Shape: convex

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 16 cm.

Country: United States

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area:

Map Unit: 1 -- Candler fine sand, 0 to 5 percent slopes

Pit Location:

Quad Name: Putna Hall, Florida

Std Latitude: 29.6900889

Std Longitude: -81.9628000

Latitude: 29 degrees 41 minutes 24.32 seconds north

Longitude: 81 degrees 57 minutes 46.08 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 406851 meters

UTM Northing: 3284833 meters

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material: sandy marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107007

Pedon ID: S2016FL107007

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
3.0	37.9	45	20.2			1,430	292	excessively		

A--0 to 16 centimeters (0.0 to 6.3 inches); dark grayish brown (10YR 4/2) sand; 2 percent clay; structureless single grain; loose; many fine roots throughout and many coarse roots throughout; clear wavy boundary. Lab sample # 18N01483

E1--16 to 68 centimeters (6.3 to 26.8 inches); yellowish brown (10YR 5/6) sand; 2 percent clay; structureless single grain; loose; many fine roots throughout and very few coarse roots throughout; brown (10YR 4/3) organic stains; gradual wavy boundary. Lab sample # 18N01484

E2--68 to 100 centimeters (26.8 to 39.4 inches); yellowish brown (10YR 5/8) sand; 2 percent clay; structureless single grain; loose; common fine roots throughout and very few coarse roots throughout; 5 percent fine prominent 5YR 5/6), moist, masses of oxidized iron. Lab sample # 18N01485

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019
Description Date: Mar 22 2016
Describer: Ann J Tan
NEON Plot ID: OSBS_008
Site ID: S2016FL107008
Pedon ID: S2016FL107008
Site Note:
Pedon Note:
Lab Source ID: KSSL
Lab Pedon #: 18N0225
Soil Name as Described/Sampled: Candler
Classification: Hyperthermic, uncoated Lamellic Quartzipsamments

Soil Name as Correlated:

Classification:
Pedon Type: undefined observation
Pedon Purpose: soil survey inventory
Taxon Kind: series
Associated Soils:
Physiographic Division:
Physiographic Province:
Physiographic Section:
State Physiographic Area:
Local Physiographic Area:
Geomorphic Setting: on summit of None Assigned
Upslope Shape: convex
Cross Slope Shape: linear
Particle Size Control Section: 25 to 100 cm.
Description origin: NASIS
Diagnostic Features: ochric epipedon 0 to 100 cm.
lamellae 34 to 100 cm.

Country: United States
State: Florida
County: Putnam
MLRA: 154 -- South-Central Florida Ridge
Soil Survey Area:
Map Unit:
Pit Location:
Quad Name: Putna Hall, Florida
Std Latitude: 29.6986139
Std Longitude: -82.0177472

Latitude: 29 degrees 41 minutes 55.01 seconds north
Longitude: 82 degrees 1 minutes 3.89 seconds west
Datum: WGS84
UTM Zone: 17
UTM Easting: 401543 meters
UTM Northing: 3285823 meters

Primary Earth Cover:
Secondary Earth Cover:
Existing Vegetation:
Parent Material: marine deposits
Bedrock Kind:
Bedrock Depth:
Bedrock Hardness:
Bedrock Fracture Interval:
Surface Fragments:
Description database: KSSL

Cont. Site ID: S2016FL107008

Pedon ID: S2016FL107008

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
5.0		250	20.2			1,430	292	excessively		

A--0 to 22 centimeters (0.0 to 8.7 inches); pale brown (10YR 6/3) sand; single grain; loose, nonsticky, nonplastic; medium roots and fine roots; 60% uncoated sand grains; clear smooth boundary. Lab sample # 18N01486

AE--22 to 34 centimeters (8.7 to 13.4 inches); very pale brown (10YR 7/3) sand; single grain; loose, nonsticky, nonplastic; medium roots and fine roots and coarse roots; clear smooth boundary. Lab sample # 18N01487

E--34 to 100 centimeters (13.4 to 39.4 inches); very pale brown (10YR 7/4) sand; single grain; loose, nonsticky, nonplastic; fine roots; . Lab sample # 18N01488

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019
Description Date: Mar 21 2016
Describer: Ann J Tan
NEON Plot ID: OSBS_010
Site ID: S2016FL107010
Pedon ID: S2016FL107010
Site Note:
Pedon Note:
Lab Source ID: KSSL
Lab Pedon #: 18N0226
Soil Name as Described/Sampled: Tavares
Classification: Hyperthermic, uncoated Typic Quartzipsamments

Soil Name as Correlated:

Classification:
Pedon Type: undefined observation
Pedon Purpose: soil survey inventory
Taxon Kind: series
Associated Soils:
Physiographic Division:
Physiographic Province:
Physiographic Section:
State Physiographic Area:
Local Physiographic Area:
Geomorphic Setting: on summit of None Assigned
Upslope Shape: convex
Cross Slope Shape: convex
Particle Size Control Section: 25 to 100 cm.
Description origin: NASIS
Diagnostic Features: ochric epipedon 0 to 100 cm.

Country: United States
State: Florida
County: Putnam
MLRA: 154 -- South-Central Florida Ridge
Soil Survey Area:
Map Unit:
Pit Location:
Quad Name: Putna Hall, Florida
Std Latitude: 29.6916667
Std Longitude: -81.9419444

Latitude: 29 degrees 41 minutes 30.00 seconds north
Longitude: 81 degrees 56 minutes 31.00 seconds west
Datum: WGS84
UTM Zone: 17
UTM Easting: 408870 meters
UTM Northing: 3284991 meters

Primary Earth Cover:
Secondary Earth Cover:
Existing Vegetation:
Parent Material: marine deposits
Bedrock Kind:
Bedrock Depth:
Bedrock Hardness:
Bedrock Fracture Interval:
Surface Fragments:
Description database: KSSL

Cont. Site ID: S2016FL107010

Pedon ID: S2016FL107010

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
2.0		270	20.2			1,430	292			

A--0 to 18 centimeters (0.0 to 7.1 inches); dark grayish brown (10YR 4/2) sand; weak fine granular structure; loose, nonsticky, nonplastic; 30% uncoated sand grains; clear wavy boundary. Lab sample # 18N01489

E1--18 to 30 centimeters (7.1 to 11.8 inches); brown (10YR 5/3) sand; single grain; loose, nonsticky, nonplastic; 30% uncoated sand grains; clear wavy boundary. Lab sample # 18N01490

E2--30 to 50 centimeters (11.8 to 19.7 inches); very pale brown (10YR 7/4) sand; single grain; loose, nonsticky, nonplastic; 2 percent nonflat rounded Quartz fragments; 30% uncoated sand grains; clear wavy boundary. Lab sample # 18N01491

E3--50 to 100 centimeters (19.7 to 39.4 inches); light yellowish brown (10YR 6/4) sand; single grain; loose, nonsticky, nonplastic; 2 percent nonflat rounded Quartz fragments; 30% uncoated sand grains. Lab sample # 18N01492

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 28 2016

Describer: Arvin.P; Alston.S; Martin.F

NEON Plot ID: OSBS_011

Site ID: S2016FL107011

Pedon ID: S2016FL107011

Site Note: The plants described on this site correlates well to the legacy ecological site 15 - Oak Hammocks. The 15 - Oak Hammocks correlates well Hardwood Forested Uplands - Xeric Hammock from FNAI Natural Communities of Florida publication.; The map unit is Adamsville sand.; This site was OSBS_011; it was sampled 1 meter south and 1 meter west of SW_011 corner. This was north east facing aspect on a 1 % gradient. It is in the middle third backslope. This Pedon is representative of the Adamsville Series, representative of the map unit concept and site.

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0227

Soil Name as Described/Sampled:

Classification:

Soil Name as Correlated: Adamsville

Classification: Hyperthermic, uncoated Aquic Quartzipsamments

Pedon Type: undefined observation

Pedon Purpose: research site

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on footslope of rise riser of rise on marine terrace on coastal plain

Upslope Shape: convex

Cross Slope Shape: linear

Particle Size Control Section: 25 to 100 cm.

Description origin: Pedon PC 6.3

Diagnostic Features: ochric epipedon 0 to 10 cm.
redox concentrations 30 to 100 cm.

Country:

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area: FL107 -- Putnam County Area, Florida

7-FOR -- Ft. Myers, Florida

Map Unit: 16 -- Adamsville sand

Pit Location:

Quad Name:

Std Latitude: 29.7213250

Std Longitude: -81.9872470

Latitude: 29 degrees 43 minutes 16.77 seconds north

Longitude: 81 degrees 59 minutes 14.09 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 404517 meters

UTM Northing: 3288326 meters

Primary Earth Cover: Tree cover

Secondary Earth Cover: Other tree cover

Existing Vegetation: bluestem, cup lichen, laurel oak, live oak, pineland threeawn, saw palmetto, slash pine

Parent Material: eolian and sandy marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107011

Pedon ID: S2016FL107011

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	29.0	45	22.0			1,300	350	somewhat poorly		

Oi--0 to 5 centimeters (0.0 to 2.0 inches); dark brown (7.5YR 3/2); 70 percent unrubbed fiber, 50 percent rubbed; massive; friable, nonsticky, nonplastic; nonfluid; clear wavy boundary.

A--5 to 10 centimeters (2.0 to 3.9 inches); very dark gray (10YR 3/1) fine sand; single grain; loose, nonsticky, nonplastic; nonfluid; many uncoated sand grains; few fine charcoal; clear wavy boundary. Lab sample # 18N01493

C1--10 to 30 centimeters (3.9 to 11.8 inches); dark gray (10YR 4/1) fine sand; single grain; loose, nonsticky, nonplastic; nonfluid; few fine charcoal; clear wavy boundary. Lab sample # 18N01494

C2--30 to 68 centimeters (11.8 to 26.8 inches); 80 percent brown (10YR 5/3) and 20 percent brown (10YR 4/3) fine sand; single grain; loose, nonsticky, nonplastic; nonfluid; common medium distinct yellowish brown (10 YR 5/6) reduce matrix; few fine charcoal; abrupt wavy boundary. Lab sample # 18N01495

Cg--68 to 100 centimeters (26.8 to 39.4 inches); gray (10YR 6/1) fine sand; single grain; loose, nonsticky, nonplastic; nonfluid; few medium distinct yellowish brown (10 YR 5/8) reduce matrix; few fine charcoal; abrupt wavy boundary. Lab sample # 18N01496

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 22 2016

Describer: Burns, Friend, Martinez

NEON Plot ID: OSBS_013

Site ID: S2016FL107013

Pedon ID: S2016FL107013

Site Note: Plants: Slash Pine Oak spp.

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0228

Soil Name as Described/Sampled: Candler

Classification: Hyperthermic, uncoated Lamellic Quartzipsamments

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose:

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on backslope of nose slope of hillslope

Upslope Shape: linear

Cross Slope Shape: convex

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 9 cm.

Country: United States

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area:

Map Unit: 2 -- Candler fine sand, 5 to 8 percent slopes

Pit Location:

Quad Name: Putna Hall, Florida

Std Latitude: 29.6819722

Std Longitude: -81.9618056

Latitude: 29 degrees 40 minutes 55.10 seconds north

Longitude: 81 degrees 57 minutes 42.50 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 406939 meters

UTM Northing: 3283933 meters

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material: sandy marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107013

Pedon ID: S2016FL107013

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
6.0	43.0	0	20.2			1,430	292	excessively		

A--0 to 9 centimeters (0.0 to 3.5 inches); dark grayish brown (10YR 4/2) fine sand; 2 percent clay; weak fine granular structure; very friable; very few medium roots throughout and many fine roots throughout; clear wavy boundary. Lab sample # 18N01497

E1--9 to 44 centimeters (3.5 to 17.3 inches); yellowish brown (10YR 5/6) fine sand; 2 percent clay; loose; very few fine roots throughout; gradual wavy boundary. Lab sample # 18N01498

E2--44 to 100 centimeters (17.3 to 39.4 inches); brownish yellow (10YR 6/6) fine sand; 2 percent clay; loose; very few fine roots throughout; . Lab sample # 18N01499

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 21 2016

Describer: Burns, Friend

NEON Plot ID: OSBS_014

Site ID: S2016FL107014

Pedon ID: S2016FL107014

Site Note: Pedon was located on shoulder of slight depression. Plants: Live Oak Slash Pine Longleaf Pine

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0229

Soil Name as Described/Sampled: Candler

Classification: Hyperthermic, uncoated Lamellic Quartzipsamments

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose:

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on shoulder of side slope of hillslope

Upslope Shape: convex

Cross Slope Shape: linear

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 29 cm.

Country: United States

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area:

Map Unit: 1 -- Candler fine sand, 0 to 5 percent slopes

Pit Location:

Quad Name: Putna Hall, Florida

Std Latitude: 29.6926667

Std Longitude: -81.9583611

Latitude: 29 degrees 41 minutes 33.60 seconds north

Longitude: 81 degrees 57 minutes 30.10 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 407283 meters

UTM Northing: 3285115 meters

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material: sandy marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107014

Pedon ID: S2016FL107014

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	33.3	90	20.2			1,430	292	excessively		

A1--0 to 3 centimeters (0.0 to 1.2 inches); dark brown (10YR 3/3) fine sand; 2 percent clay; weak fine granular structure; very friable; many very fine roots throughout and very few medium roots throughout and common fine roots throughout and very few coarse roots throughout; clear smooth boundary. Lab sample # 18N01500

A2--3 to 10 centimeters (1.2 to 3.9 inches); yellowish brown (10YR 5/4) fine sand; 2 percent clay; weak medium granular structure; very friable; very few medium roots throughout and many fine roots throughout; clear smooth boundary. Lab sample # 18N01501

A3--10 to 18 centimeters (3.9 to 7.1 inches); very dark grayish brown (10YR 3/2) fine sand; 2 percent clay; weak medium granular structure; very friable; very few medium roots throughout and many fine roots throughout; 20% dark yellowish-brown (10YR 4/4) splotches and 10% black (10YR 2/1) organic stains; gradual smooth boundary. Lab sample # 18N01502

AE--18 to 29 centimeters (7.1 to 11.4 inches); dark yellowish brown (10YR 4/4) fine sand; 2 percent clay; weak fine granular structure; very friable; very few medium roots throughout and many fine roots throughout; gradual smooth boundary. Lab sample # 18N01503

E--29 to 100 centimeters (11.4 to 39.4 inches); yellowish brown (10YR 5/6) fine sand; 2 percent clay; structureless single grain; loose; very few medium roots throughout; . Lab sample # 18N01504

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 23 2016

Describer: Crockett/Depew/Nichols

NEON Plot ID: OSBS_015

Site ID: S2016FL107015

Pedon ID: S2016FL107015

Site Note: Existing Vegetation: Laurel Oak, Water Oak, Wax Myrtle, Saw Palmetto, and Smilac

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0230

Soil Name as Described/Sampled:

Classification:

Soil Name as Correlated: Narcoossee

Classification: Sandy, siliceous, hyperthermic Oxyaquic Alorthods

Pedon Type: undefined observation

Pedon Purpose: research site

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on backslope of hillslope
on backslope of marine terrace

Upslope Shape: linear

Cross Slope Shape: convex

Particle Size Control Section: 25 to 100 cm.

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 47 cm.
albic horizon 18 to 47 cm.
spodic horizon 47 to 70 cm.

Country: United States

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area:

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 29.7100694

Std Longitude: -81.9695000

Latitude: 29 degrees 42 minutes 36.25 seconds
north

Longitude: 81 degrees 58 minutes 10.20 seconds
west

Datum: WGS84

UTM Zone: 17

UTM Easting: 406221 meters

UTM Northing: 3287053 meters

Primary Earth Cover: Tree cover

Secondary Earth Cover: Intermixed conifers and
hardwoods

Existing Vegetation:

Parent Material: sandy marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107015

Pedon ID: S2016FL107015

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
4.0	28.9	10						somewhat poorly		

Oa--0 to 12 centimeters (0.0 to 4.7 inches); black (7.5YR 2.5/1) mucky sand; single grain; loose, nonsticky, nonplastic; many medium roots and many fine roots; 10 percent 7.5YR 7/1) skeletans; clear smooth boundary. Lab sample # 18N01505

A--12 to 18 centimeters (4.7 to 7.1 inches); black (7.5YR 2.5/1) sand; single grain; loose, nonsticky, nonplastic; common medium roots and common fine roots; 10 percent 7.5YR 7/1) skeletans; clear smooth boundary. Lab sample # 18N01506

E--18 to 47 centimeters (7.1 to 18.5 inches); dark gray (7.5YR 4/1) sand; single grain; loose, nonsticky, nonplastic; common fine roots; 8 percent 10YR 2/1) organic stains; clear smooth boundary. Lab sample # 18N01507

Bh--47 to 70 centimeters (18.5 to 27.6 inches); black (7.5YR 2.5/1) sand; structureless massive; very friable, nonsticky, nonplastic; common fine roots; gradual wavy boundary. Lab sample # 18N01508

C--70 to 100 centimeters (27.6 to 39.4 inches); strong brown (7.5YR 4/6) sand; structureless massive; very friable, nonsticky, nonplastic; few fine roots; 30 percent 7.5YR 5/3) skeletans. Lab sample # 18N01509

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 22 2016

Describer: Burns, Friend, Martinez

NEON Plot ID: OSBS_016

Site ID: S2016FL107016

Pedon ID: S2016FL107016

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0231

Soil Name as Described/Sampled: Placid

Classification: Sandy, siliceous, hyperthermic Typic Humaquepts

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose:

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on toeslope of base slope of None Assigned

Upslope Shape: concave

Cross Slope Shape: linear

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: umbric epipedon 0 to 60 cm.

Country: United States

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area:

Map Unit: 5 -- Placid fine sand, frequently ponded, 0 to 1 percent slopes

Pit Location:

Quad Name: Putna Hall, Florida

Std Latitude: 29.6822083

Std Longitude: -81.9677000

Latitude: 29 degrees 40 minutes 55.95 seconds north

Longitude: 81 degrees 58 minutes 3.72 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 406369 meters

UTM Northing: 3283964 meters

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material: sandy marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107016

Pedon ID: S2016FL107016

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
2.0	27.0	0	20.2			1,430	292	poorly		

A1--0 to 27 centimeters (0.0 to 10.6 inches); black (10YR 2/1) sand; 2 percent clay; weak very fine granular structure; very friable; many medium roots throughout and many fine roots throughout and many coarse roots throughout; gradual smooth boundary. Lab sample # 18N01510

A2--27 to 60 centimeters (10.6 to 23.6 inches); very dark gray (10YR 3/1) fine sand; 2 percent clay; weak fine subangular blocky structure; friable; many fine roots throughout and very few coarse roots throughout; clear wavy boundary. Lab sample # 18N01511

Cg--60 to 100 centimeters (23.6 to 39.4 inches); grayish brown (10YR 5/2) sand; 2 percent clay; structureless single grain; loose; very few fine roots throughout; 2 percent medium distinct 7.5YR 3/4), moist, masses of oxidized iron in matrix. Lab sample # 18N01512

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 23 2016

Describer: Burns, Friend

NEON Plot ID: OSBS_017

Site ID: S2016FL107017

Pedon ID: S2016FL107017

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0232

Soil Name as Described/Sampled: Myakka

Classification: Sandy, siliceous, hyperthermic Aeric Alaquods

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose:

Taxon Kind: taxadjunct

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on toeslope of base slope of None Assigned

Upslope Shape: linear

Cross Slope Shape: concave

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: fibers 0 to 5 cm.
ochric epipedon 5 to 23 cm.
spodic horizon 23 to 100 cm.

Country: United States

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area:

Map Unit: 3 -- Myakka fine sand

Pit Location:

Quad Name: Putna Hall, Florida

Std Latitude: 29.7036889

Std Longitude: -81.9920000

Latitude: 29 degrees 42 minutes 13.28 seconds north

Longitude: 81 degrees 59 minutes 31.20 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 404038 meters

UTM Northing: 3286364 meters

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material: marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107017

Pedon ID: S2016FL107017

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	27.8	0	20.2			1,430	292	very poorly		

Oi--0 to 5 centimeters (0.0 to 2.0 inches); peat; abrupt smooth boundary. Lab sample # 18N01513

A--5 to 23 centimeters (2.0 to 9.1 inches); sand; 2 percent clay; structureless single grain; loose; many medium roots throughout and many fine roots throughout and very few coarse roots throughout; clear wavy boundary. Lab sample # 18N01514

Bh1--23 to 62 centimeters (9.1 to 24.4 inches); 80 percent black (5YR 2.5/1) and 20 percent dark reddish brown (5YR 3/4) loamy fine sand; 6 percent clay; weak fine subangular blocky structure; very friable; many fine roots throughout; clear wavy boundary. Lab sample # 18N01515

Bh2--62 to 100 centimeters (24.4 to 39.4 inches); dusky red (7.5R 3/4) sand; 2 percent clay; weak medium granular structure; loose; . Lab sample # 18N01516

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 22 2016

Describer: Ann J Tan

NEON Plot ID: OSBS_018

Site ID: S2016FL107018

Pedon ID: S2016FL107018

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0233

Soil Name as Described/Sampled: Arredondo

Classification: Loamy, siliceous, semiactive, hyperthermic Grossarenic Paleudults

Soil Name as Correlated:

Classification:

Pedon Type: undefined observation

Pedon Purpose: soil survey inventory

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on summit of None Assigned

Upslope Shape: linear

Cross Slope Shape: convex

Particle Size Control Section: 51 to 74 cm.

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 33 cm.
argillic horizon 51 to 74 cm.

Country: United States

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area:

Map Unit:

Pit Location:

Quad Name: Putna Hall, Florida

Std Latitude: 29.6864528

Std Longitude: -81.9429167

Latitude: 29 degrees 41 minutes 11.23 seconds north

Longitude: 81 degrees 56 minutes 34.50 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 408771 meters

UTM Northing: 3284414 meters

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material: marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107018

Pedon ID: S2016FL107018

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0		220	20.2			1,430	292	well		

O--0 to 8 centimeters (0.0 to 3.1 inches); nonsticky, nonplastic; medium roots and fine roots; clear smooth boundary.

A1--8 to 18 centimeters (3.1 to 7.1 inches); very dark gray (10YR 3/1) sand; single grain; loose, nonsticky, nonplastic; medium roots and fine roots and coarse roots; 40% uncoated sand grains; clear smooth boundary. Lab sample # 18N01517

A2--18 to 51 centimeters (7.1 to 20.1 inches); black (10YR 2/1) fine sand; weak fine subangular blocky structure; loose, nonsticky, nonplastic; fine roots; 40% uncoated sand grains; clear wavy boundary. Lab sample # 18N01518

Bt--51 to 74 centimeters (20.1 to 29.1 inches); brown (10YR 4/3) fine sandy loam; weak fine subangular blocky, and weak medium subangular blocky structure; very friable, nonsticky, nonplastic; fine roots; 15 percent clay bridges; 5% uncoated sand grains; clear wavy boundary. Lab sample # 18N01519

C--74 to 100 centimeters (29.1 to 39.4 inches); brown (10YR 5/3) loamy fine sand; single grain; loose, nonsticky, nonplastic; 5% organic streaks and root channels 5% uncoated sand grains. Lab sample # 18N01520

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019
Description Date: Mar 22 2016
Describer: Ann J Tan
NEON Plot ID: OSBS_020
Site ID: S2016FL107020
Pedon ID: S2016FL107020
Site Note:
Pedon Note:
Lab Source ID: KSSL
Lab Pedon #: 18N0234
Soil Name as Described/Sampled: Adamsville
Classification: Hyperthermic, uncoated Aquic Quartzipsamments

Soil Name as Correlated:

Classification:
Pedon Type: undefined observation
Pedon Purpose: soil survey inventory
Taxon Kind: series
Associated Soils:
Physiographic Division:
Physiographic Province:
Physiographic Section:
State Physiographic Area:
Local Physiographic Area:
Geomorphic Setting: on toeslope of None Assigned
Upslope Shape:
Cross Slope Shape:
Particle Size Control Section: 25 to 100 cm.
Description origin: NASIS
Diagnostic Features: ochric epipedon 0 to 61 cm.

Country: United States
State: Florida
County: Putnam
MLRA: 154 -- South-Central Florida Ridge
Soil Survey Area:
Map Unit:
Pit Location:
Quad Name: Putna Hall, Florida
Std Latitude: 29.6870000
Std Longitude: -81.9510000

Latitude: 29 degrees 41 minutes 13.20 seconds north
Longitude: 81 degrees 57 minutes 3.60 seconds west
Datum: WGS84
UTM Zone: 17
UTM Easting: 407990 meters
UTM Northing: 3284482 meters

Primary Earth Cover:
Secondary Earth Cover:
Existing Vegetation:
Parent Material: marine deposits
Bedrock Kind:
Bedrock Depth:
Bedrock Hardness:
Bedrock Fracture Interval:
Surface Fragments:
Description database: KSSL

Cont. Site ID: S2016FL107020

Pedon ID: S2016FL107020

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0			20.2			1,430	292	somewhat poorly		

O--0 to 8 centimeters (0.0 to 3.1 inches); medium roots and fine roots; clear wavy boundary.

A1--8 to 18 centimeters (3.1 to 7.1 inches); black (10YR 2/1) fine sand; weak fine granular structure; very friable, nonsticky, nonplastic; medium roots and fine roots; 35% uncoated sand grains; clear wavy boundary. Lab sample # 18N01521

A2--18 to 61 centimeters (7.1 to 24.0 inches); black (10YR 2/1) fine sand; weak fine subangular blocky structure; very friable, nonsticky, nonplastic; medium roots and fine roots and coarse roots; 3 percent iron-manganese concretions; 40% uncoated sand grains; diffuse wavy boundary. Lab sample # 18N01522

C--61 to 100 centimeters (24.0 to 39.4 inches); light yellowish brown (10YR 6/4) fine sand; single grain; very friable, nonsticky, nonplastic; medium roots and fine roots and coarse roots; 2 percent nonflat rounded Quartz fragments. Lab sample # 18N01523

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 21 2016

Describer: Nichols/Crockett/Depew

NEON Plot ID: OSBS_021

Site ID: S2016FL107021

Pedon ID: S2016FL107021

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0235

Soil Name as Described/Sampled:

Classification:

Soil Name as Correlated: Samsula

Classification: Sandy or sandy-skeletal, siliceous, dysic, hyperthermic
Terric Haplosaprists

Pedon Type: undefined observation

Pedon Purpose: research site

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: marine terrace
depression

Upslope Shape: linear

Cross Slope Shape: convex

Particle Size Control Section: 25 to 100 cm.

Description origin: NASIS

Diagnostic Features: sapric soil materials 0 to 34 cm.
reduced matrix 34 to 100 cm.

Country: United States

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area:

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 29.6955889

Std Longitude: -81.9532000

Latitude: 29 degrees 41 minutes 44.12 seconds
north

Longitude: 81 degrees 57 minutes 11.52 seconds
west

Datum: WGS84

UTM Zone: 17

UTM Easting: 407785 meters

UTM Northing: 3285435 meters

Primary Earth Cover: Tree cover

Secondary Earth Cover: Conifers

Existing Vegetation:

Parent Material: Organic-Sand marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107021

Pedon ID: S2016FL107021

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.5	28.9	355						poorly		

Oe--0 to 7 centimeters (0.0 to 2.8 inches); dark reddish brown (5YR 3/3) rubbed peat; structureless massive; friable, nonsticky, nonplastic; many fine roots; texture: 80% Rubbed Fiber; clear smooth boundary. Lab sample # 18N01524

Oa--7 to 34 centimeters (2.8 to 13.4 inches); black (10YR 2/1) muck; strong coarse subangular blocky structure; friable, nonsticky, nonplastic; many very fine roots and few medium roots and many fine roots; 2 percent skeletal; abrupt wavy boundary. Lab sample # 18N01525

Cg1--34 to 56 centimeters (13.4 to 22.0 inches); very dark gray (10YR 3/1) sand; structureless massive; very friable, nonsticky, nonplastic; few medium roots and few fine roots; 5 percent faint 10YR 2/1) organic stains and 40 percent skeletal; gradual wavy boundary. Lab sample # 18N01526

Cg2--56 to 100 centimeters (22.0 to 39.4 inches); light brownish gray (10YR 6/2) sand; structureless massive; very friable, nonsticky, nonplastic; few medium roots and few fine roots; 7 percent faint organic stains. Lab sample # 18N01527

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 22 2016

Describer: Burns, Friend, Martinez

NEON Plot ID: OSBS_022

Site ID: S2016FL107022

Pedon ID: S2016FL107022

Site Note: Free water depth at 90 cm

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0236

Soil Name as Described/Sampled: Pamlico

Classification: Sandy or sandy-skeletal, siliceous, dysic, thermic Terric Haplosaprists

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose:

Taxon Kind: taxadjunct

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on toeslope of base slope of None Assigned

Upslope Shape: concave

Cross Slope Shape: concave

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: histic epipedon 0 to 32 cm.

Country: United States

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area:

Map Unit:

Pit Location:

Quad Name: Putna Hall, Florida

Std Latitude: 29.6893000

Std Longitude: -81.9609000

Latitude: 29 degrees 41 minutes 21.48 seconds north

Longitude: 81 degrees 57 minutes 39.24 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 407034 meters

UTM Northing: 3284744 meters

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material: organic material and/or marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107022

Pedon ID: S2016FL107022

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	24.0	0	20.2			1,430	292	very poorly		

Oa--0 to 32 centimeters (0.0 to 12.6 inches); black (10YR 2/1) muck; moderate medium granular structure; many very fine roots throughout and many fine roots throughout; less than 1 percent fibers unrubbed and rubbed; clear wavy boundary. Lab sample # 18N01528

Ag--32 to 40 centimeters (12.6 to 15.7 inches); very dark gray (10YR 3/1) mucky sand; 2 percent clay; moderate coarse granular structure; very friable; very few fine roots throughout; abrupt wavy boundary. Lab sample # 18N01529

Cg1--40 to 56 centimeters (15.7 to 22.0 inches); very dark grayish brown (10YR 3/2) sand; 2 percent clay; structureless single grain; very friable; very few fine roots throughout; many, fine black (10YR 2/1) organic stains; clear wavy boundary. Lab sample # 18N01530

Cg2--56 to 100 centimeters (22.0 to 39.4 inches); dark grayish brown (10YR 4/2) sand; 2 percent clay; structureless single grain; very friable; many, fine and medium black (10YR 2/1) organic stains. Lab sample # 18N01531

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 25 2016

Describer: Arvin.P; Alston.S; Martin.F

NEON Plot ID: OSBS_023

Site ID: S2016FL107023

Pedon ID: S2016FL107023

Site Note: The plants described on this site correlates well to the legacy ecological site 12 - Wetland Hardwood Hammocks and 21 - swamp hardwoods. The 12 - Wetland Hardwood Hammocks is better fit to the site plants described. It also correlates well to Freshwater Forested Wetlands - Hardwood (Bottomland Forest) from FNAI Natural Communities of Florida publication.; The map unit is Placid fine sand depression. Within this map unit delineation Ona is one of the minor components recognized in the map unit.; This site was OSBS_023; it was sampled 1 meter south and 1 meter west of SW_023 corner. This was north east facing aspect on a 1 % gradient. It is in the lower third toeslope. This Pedon is representative of the Ona Series, representative of the map unit concept and site.

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0237

Soil Name as Described/Sampled:

Classification:

Soil Name as Correlated: Ona

Classification: Sandy, siliceous, hyperthermic Typic Alaquods

Pedon Type: undefined observation

Pedon Purpose: research site

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on toeslope of talft tread of depression on marine terrace on coastal plain

Upslope Shape: linear

Cross Slope Shape: linear

Particle Size Control Section: 25 to 100 cm.

Description origin: Pedon PC 6.3

Country:

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area: FL107 -- Putnam County Area, Florida
7-FOR -- Ft. Myers, Florida

Map Unit: 5 -- Placid fine sand, frequently ponded, 0 to 1 percent slopes

Pit Location:

Quad Name:

Std Latitude: 29.7224150

Std Longitude: -81.9857320

Latitude: 29 degrees 43 minutes 20.69 seconds north

Longitude: 81 degrees 59 minutes 8.63 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 404671 meters

UTM Northing: 3288447 meters

Primary Earth Cover: Tree cover

Secondary Earth Cover: Intermixed conifers and hardwoods

Existing Vegetation: blackgum, bluestem, live oak, slash pine, sweetbay, sweetgum, water oak

Parent Material: thick sandy marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107023

Pedon ID: S2016FL107023

Diagnostic Features: ochric epipedon 0 to 25 cm.
spodic horizon 25 to 100 cm.

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	29.0	45	22.0			1,300	350	poorly		

A--0 to 25 centimeters (0.0 to 9.8 inches); black (10YR 2/1) mucky fine sand; weak fine subangular blocky structure; slightly sticky, nonplastic; nonfluid; few medium roots throughout and many fine roots throughout and few coarse roots throughout; clear wavy boundary. Lab sample # 18N01532

Bh1--25 to 40 centimeters (9.8 to 15.7 inches); very dark gray (10YR 3/1) fine sand; weak fine granular structure; nonsticky, nonplastic; nonfluid; few medium roots throughout and few fine roots throughout; common pokes of very dark grayish brown (10YR 3/2) fine sand; clear wavy boundary. Lab sample # 18N01533

Bh2--40 to 100 centimeters (15.7 to 39.4 inches); 70 percent dark brown (7.5YR 3/3) and 30 percent very dark grayish brown (10YR 3/2) fine sand; weak fine granular structure; nonsticky, nonplastic; nonfluid; few fine roots throughout; clear wavy boundary. Lab sample # 18N01534

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 25 2016

Describer: Arvin.P; Alsion.S; Martin.F

NEON Plot ID: OSBS_024

Site ID: S2016FL107024

Pedon ID: S2016FL107024

Site Note: The plants described on this site correlates well to the legacy ecological site 25 - Freshwater marsh and ponds. The 25 - Freshwater marsh and ponds correlates well to Freshwater Non-Forested Wetlands - Marshes (depression marsh) from FNAI Natural Communities of Florida publication.; The map unit is Samsula muck.; This site was OSBS_024; it was sampled 1 meter south and 1 meter west of SW_024 corner. This was north east facing aspect on a 0.5 % gradient. It is in the lower third toeslope. This Pedon is representative of the Samsula Series, representative of the map unit concept and site.

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0238

Soil Name as Described/Sampled:

Classification:

Soil Name as Correlated: Samsula

Classification: Sandy or sandy-skeletal, siliceous, dysic, hyperthermic
Terric Haplosaprists

Pedon Type: undefined observation

Pedon Purpose: research site

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on toeslope of dip tread of depression on marine terrace on coastal plain

Upslope Shape: concave

Cross Slope Shape: concave

Particle Size Control Section: 0 to 30 cm.

Description origin: Pedon PC 6.3

Country:

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area: FL107 -- Putnam County Area,
Florida
7-FOR -- Ft. Myers, Florida

Map Unit: 27 -- Samsula muck, frequently ponded,
0 to 1 percent slopes

Pit Location:

Quad Name:

Std Latitude: 29.7237570

Std Longitude: -81.9869860

Latitude: 29 degrees 43 minutes 25.52 seconds
north

Longitude: 81 degrees 59 minutes 13.15 seconds
west

Datum: WGS84

UTM Zone: 17

UTM Easting: 404553 meters

UTM Northing: 3288593 meters

Primary Earth Cover: Grass/herbaceous cover

Secondary Earth Cover: Other grass/herbaceous
cover

Existing Vegetation: bluestem, cattail,
maiden cane, sawgrass

Parent Material: well decomposed herbaceous
organic material over sandy marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107024

Pedon ID: S2016FL107024

Diagnostic Features: sapric soil materials 0 to 40 cm.
endosaturation 0 to 100 cm.

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
0.5	28.0	45	22.0			1,300	350	very poorly		

Oa--0 to 40 centimeters (0.0 to 15.7 inches); black (10YR 2/1) muck; 5 percent unrubbed fiber, 1 percent rubbed; weak medium subangular blocky structure; friable, slightly sticky, nonplastic; nonfluid; common fine roots throughout; clear wavy boundary. Lab sample # 18N01535

C--40 to 65 centimeters (15.7 to 25.6 inches); 80 percent black (10YR 2/1) and 20 percent gray (10YR 5/1) fine sand; single grain; loose, nonsticky, nonplastic; nonfluid; few very fine roots throughout and few fine roots throughout; clear wavy boundary. Lab sample # 18N01536

Cg--65 to 85 centimeters (25.6 to 33.5 inches); dark grayish brown (10YR 4/2) fine sand; single grain; loose, nonsticky, nonplastic; nonfluid; clear wavy boundary. Lab sample # 18N01537

CB--85 to 100 centimeters (33.5 to 39.4 inches); brown (10YR 4/3) fine sand; single grain; loose, nonsticky, nonplastic; nonfluid; clear wavy boundary. Lab sample # 18N01538

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 21 2016

Describer: Crockett/Nichols

NEON Plot ID: OSBS_026

Site ID: S2016FL107026

Pedon ID: S2016FL107026

Site Note: Existing Vegetation: Wiregrass, Longleaf pine, and Turkey Oak.

Pedon Note: At 103cm Bt was observed. No sample was taken due to the nature of the project. Bt 103+: 5yr4/6; Sandy Clay Loam

Lab Source ID: KSSL

Lab Pedon #: 18N0239

Soil Name as Described/Sampled:

Classification:

Soil Name as Correlated: Apopka

Classification: Loamy, siliceous, subactive, hyperthermic Grossarenic Paleudults

Pedon Type: undefined observation

Pedon Purpose: research site

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on backslope of marine terrace on backslope of ridge

Upslope Shape: linear

Cross Slope Shape: convex

Particle Size Control Section: 103 to 153 cm.

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 100 cm.

Country: United States

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area:

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 29.6934000

Std Longitude: -81.9923000

Latitude: 29 degrees 41 minutes 36.24 seconds north

Longitude: 81 degrees 59 minutes 32.28 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 404000 meters

UTM Northing: 3285224 meters

Primary Earth Cover: Tree cover

Secondary Earth Cover: Intermixed conifers and hardwoods

Existing Vegetation:

Parent Material: sandy and loamy marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107026

Pedon ID: S2016FL107026

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
6.0	45.0							well		

A--0 to 8 centimeters (0.0 to 3.1 inches); light yellowish brown (10YR 6/4) and black (10YR 2/1) sand; single grain; loose, nonsticky, nonplastic; many fine roots; clear smooth boundary. Lab sample # 18N01539

E1--8 to 85 centimeters (3.1 to 33.5 inches); light yellowish brown (10YR 6/4) sand; single grain; loose, nonsticky, nonplastic; many fine roots; clear smooth boundary. Lab sample # 18N01540

E2--85 to 100 centimeters (33.5 to 39.4 inches); 95 percent brownish yellow (10YR 6/6) and 5 percent yellowish red (5YR 4/6) sand; single grain; loose, nonsticky, nonplastic; many fine roots; . Lab sample # 18N01541

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019
Description Date: Mar 22 2016
Describer: Crockett/Depew/Nichols
NEON Plot ID: OSBS_031
Site ID: S2016FL107031
Pedon ID: S2016FL107031
Site Note: Existing Vegetation: Longleaf Pine and Turkey Oak.
Pedon Note:
Lab Source ID: KSSL
Lab Pedon #: 18N0240
Soil Name as Described/Sampled:
Classification:
Soil Name as Correlated: Tavares
Classification: Hyperthermic, uncoated Typic Quartzipsamments
Pedon Type: undefined observation
Pedon Purpose: research site
Taxon Kind: series
Associated Soils:
Physiographic Division:
Physiographic Province:
Physiographic Section:
State Physiographic Area:
Local Physiographic Area:
Geomorphic Setting: on shoulder of base slope of marine terrace
Upslope Shape: convex
Cross Slope Shape: linear
Particle Size Control Section: 25 to 100 cm.
Description origin: NASIS
Diagnostic Features: ochric epipedon 0 to 36 cm.

Country: United States
State: Florida
County: Putnam
MLRA: 154 -- South-Central Florida Ridge
Soil Survey Area:
Map Unit:
Pit Location:
Quad Name:
Std Latitude: 29.6887889
Std Longitude: -81.9912972
Latitude: 29 degrees 41 minutes 19.64 seconds north
Longitude: 81 degrees 59 minutes 28.67 seconds west
Datum: WGS84
UTM Zone: 17
UTM Easting: 404092 meters
UTM Northing: 3284712 meters
Primary Earth Cover: Tree cover
Secondary Earth Cover: Intermixed conifers and hardwoods
Existing Vegetation:
Parent Material: sandy marine deposits
Bedrock Kind:
Bedrock Depth:
Bedrock Hardness:
Bedrock Fracture Interval:
Surface Fragments:
Description database: KSSL

Cont. Site ID: S2016FL107031

Pedon ID: S2016FL107031

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
2.0	33.5	80						moderately well		

A1--0 to 10 centimeters (0.0 to 3.9 inches); dark brown (10YR 3/3) sand; single grain; loose, nonsticky, nonplastic; many medium roots and many fine roots; 5 percent 10YR 8/1) skeletans; clear smooth boundary. Lab sample # 18N01542

A2--10 to 36 centimeters (3.9 to 14.2 inches); brown (10YR 4/3) sand; single grain; loose, nonsticky, nonplastic; common fine roots; gradual wavy boundary. Lab sample # 18N01543

C--36 to 100 centimeters (14.2 to 39.4 inches); yellowish brown (10YR 5/4) sand; single grain; loose, nonsticky, nonplastic; few fine roots; . Lab sample # 18N01544

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019
Description Date: Mar 22 2016
Describer: Burns, Friend, Martinez
NEON Plot ID: OSBS_048
Site ID: S2016FL107048
Pedon ID: S2016FL107048
Site Note: Plants: Live Oak Longleaf
Pedon Note:
Lab Source ID: KSSL
Lab Pedon #: 18N0241
Soil Name as Described/Sampled: Apopka
Classification: Loamy, siliceous, subactive, hyperthermic Grossarenic Paleudults
Soil Name as Correlated:
Classification:
Pedon Type:
Pedon Purpose:
Taxon Kind: series
Associated Soils:
Physiographic Division:
Physiographic Province:
Physiographic Section:
State Physiographic Area:
Local Physiographic Area:
Geomorphic Setting: on backslope of side slope of None Assigned
Upslope Shape: convex
Cross Slope Shape: linear
Particle Size Control Section:
Description origin: NASIS
Diagnostic Features: ? to ? cm.

Country: United States
State: Florida
County: Putnam
MLRA: 154 -- South-Central Florida Ridge
Soil Survey Area:
Map Unit: 21 -- Apopka sand, 5 to 8 percent slopes
Pit Location:
Quad Name: Putna Hall, Florida
Std Latitude: 29.6792222
Std Longitude: -81.9464167

Latitude: 29 degrees 40 minutes 45.20 seconds north
Longitude: 81 degrees 56 minutes 47.10 seconds west
Datum: WGS84
UTM Zone: 17
UTM Easting: 408426 meters
UTM Northing: 3283616 meters

Primary Earth Cover:
Secondary Earth Cover:
Existing Vegetation:
Parent Material: sandy and loamy marine deposits
Bedrock Kind:
Bedrock Depth:
Bedrock Hardness:
Bedrock Fracture Interval:
Surface Fragments:
Description database: KSSL

Cont. Site ID: S2016FL107048

Pedon ID: S2016FL107048

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
6.0	42.0	0	20.2			1,430	292	somewhat excessively		

A--0 to 12 centimeters (0.0 to 4.7 inches); dark brown (10YR 3/3) sand; 2 percent clay; weak fine granular structure; very friable; many medium roots throughout and many fine roots throughout; clear wavy boundary. Lab sample # 18N01545

AE--12 to 31 centimeters (4.7 to 12.2 inches); dark yellowish brown (10YR 4/4) sand; 2 percent clay; weak fine granular structure; very friable; many medium roots throughout and many fine roots throughout; gradual wavy boundary. Lab sample # 18N01546

E1--31 to 64 centimeters (12.2 to 25.2 inches); light yellowish brown (10YR 6/4) sand; 2 percent clay; structureless single grain; loose; very few medium roots throughout and very few medium roots throughout; gradual wavy boundary. Lab sample # 18N01547

E2--64 to 93 centimeters (25.2 to 36.6 inches); brownish yellow (10YR 6/6) sand; 2 percent clay; structureless single grain; loose; very few medium roots throughout and very few coarse roots throughout; 5 percent nonflat subrounded indurated 5 to 8-millimeter Quartzite fragments; clear wavy boundary. Lab sample # 18N01548

Bt--93 to 100 centimeters (36.6 to 39.4 inches); 60 percent reddish brown (5YR 4/4) and 40 percent red (2.5YR 5/6) sandy clay loam; 23 percent clay; weak medium subangular blocky structure; friable; . Lab sample # 18N01549

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019

Description Date: Mar 22 2016

Describer: Ann J Tan

NEON Plot ID: OSBS_050

Site ID: S2016FL107050

Pedon ID: S2016FL107050

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N0242

Soil Name as Described/Sampled: Tavares

Classification: Hyperthermic, uncoated Typic Quartzipsammments

Soil Name as Correlated:

Classification:

Pedon Type: undefined observation

Pedon Purpose: soil survey inventory

Taxon Kind: series

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: on backslope of None Assigned

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section: 25 to 100 cm.

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 94 cm.

Country: United States

State: Florida

County: Putnam

MLRA: 154 -- South-Central Florida Ridge

Soil Survey Area:

Map Unit:

Pit Location:

Quad Name: Putna Hall, Florida

Std Latitude: 29.6895056

Std Longitude: -82.0055917

Latitude: 29 degrees 41 minutes 22.22 seconds north

Longitude: 82 degrees 0 minutes 20.13 seconds west

Datum: WGS84

UTM Zone: 17

UTM Easting: 402710 meters

UTM Northing: 3284804 meters

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material: marine deposits

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2016FL107050

Pedon ID: S2016FL107050

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
5.0			20.2			1,430	292	moderately well		

A1--0 to 23 centimeters (0.0 to 9.1 inches); very dark brown (10YR 2/2) fine sand; single grain; loose, nonsticky, nonplastic; medium roots and fine roots and coarse roots; 60% uncoated sand grains; clear wavy boundary. Lab sample # 18N01550

A2--23 to 94 centimeters (9.1 to 37.0 inches); very dark brown (10YR 2/2) fine sand; single grain; loose, nonsticky, nonplastic; fine roots; 20% uncoated sand grains; clear wavy boundary. Lab sample # 18N01551

C--94 to 100 centimeters (37.0 to 39.4 inches); very pale brown (10YR 7/3) fine sand; single grain; loose, nonsticky, nonplastic; 5 percent organic stains. Lab sample # 18N01552

PEDON DESCRIPTION -- NEON Site OSBS

Print Date: Nov 4 2019
Description Date: Mar 22 2016
Describer: Ann J Tan
NEON Plot ID: OSBS_051
Site ID: S2016FL107051
Pedon ID: S2016FL107051
Site Note:
Pedon Note:
Lab Source ID: KSSL
Lab Pedon #: 18N0243
Soil Name as Described/Sampled: Adamsville
Classification: Hyperthermic, uncoated Aquic Quartzipsamments

Soil Name as Correlated:

Classification:
Pedon Type: undefined observation
Pedon Purpose: soil survey inventory
Taxon Kind: series
Associated Soils:
Physiographic Division:
Physiographic Province:
Physiographic Section:
State Physiographic Area:
Local Physiographic Area:
Geomorphic Setting: on footslope of None Assigned
Upslope Shape: linear
Cross Slope Shape: linear
Particle Size Control Section: 25 to 100 cm.
Description origin: NASIS
Diagnostic Features: ochric epipedon 0 to 58 cm.

Country: United States
State: Florida
County: Putnam
MLRA: 154 -- South-Central Florida Ridge
Soil Survey Area:
Map Unit:
Pit Location:
Quad Name: Putna Hall, Florida
Std Latitude: 29.6775778
Std Longitude: -82.0079111

Latitude: 29 degrees 40 minutes 39.28 seconds north
Longitude: 82 degrees 0 minutes 28.48 seconds west
Datum: WGS84
UTM Zone: 17
UTM Easting: 402474 meters
UTM Northing: 3283484 meters

Primary Earth Cover:
Secondary Earth Cover:
Existing Vegetation:
Parent Material: marine deposits
Bedrock Kind:
Bedrock Depth:
Bedrock Hardness:
Bedrock Fracture Interval:
Surface Fragments:
Description database: KSSL

Cont. Site ID: S2016FL107051

Pedon ID: S2016FL107051

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
2.0		180	20.2			1,430	292	somewhat poorly		

A--0 to 38 centimeters (0.0 to 15.0 inches); black (10YR 2/1) fine sand; weak medium granular structure; loose, nonsticky, nonplastic; fine roots and coarse roots; 10% uncoated sand grains; clear wavy boundary. Lab sample # 18N01553

AE--38 to 58 centimeters (15.0 to 22.8 inches); very dark grayish brown (10YR 3/2) fine sand; single grain; loose, nonsticky, nonplastic; fine roots; 40% uncoated sand grains; gradual wavy boundary. Lab sample # 18N01554

C--58 to 100 centimeters (22.8 to 39.4 inches); very pale brown (10YR 7/3) fine sand; single grain; loose, nonsticky, nonplastic; 15 percent organic stains. Lab sample # 18N01555