



2026-04-08 13:35 UTC

Property Information

PARCEL ID	<p>Parcel 1 16 31 23 78390 022 0151</p> <p>Parcel 2 16 31 23 78390 022 0150</p> <p>Parcel 3 16-31-23-78390-022-0140</p> <p>Parcel 4 16-31-23-78390-022-0130</p>
ADDRESS	<p>Parcel 1 2403 1ST AVE S, ST PETERSBURG, FL 33712</p> <p>Parcel 2 17 24TH ST S, ST PETERSBURG, FL 33712</p> <p>Parcel 3 1ST AVE S, ST PETERSBURG, FL 33712</p> <p>Parcel 4 1ST AVE S, ST PETERSBURG, FL 33712</p>
OWNER	<p>Parcel 1 CANVAS ON CENTRAL LLC</p> <p>Parcel 2 INNOVATE REAL ESTATE GROUP LLC</p> <p>Parcel 3 CANVAS ON CENTRAL LLC</p> <p>Parcel 4 CANVAS ON CENTRAL LLC</p>



SIZE	<p>Parcel 1 0.11 ac. 5,005 sq ft</p> <p>Parcel 2 0.11 ac. 5,005 sq ft</p> <p>Parcel 3 0.10 ac. 4,500 sq ft</p> <p>Parcel 4 0.10 ac. 4,500 sq ft</p>
JURISDICTION	<p>Parcel 1 ST PETERSBURG</p> <p>Parcel 2 ST PETERSBURG (SP)</p> <p>Parcel 3 ST PETERSBURG (SP)</p> <p>Parcel 4 ST PETERSBURG</p>
CURRENT USE	<p>Parcel 1 1000 Vacant Commercial Land</p> <p>Parcel 2 0000 Vacant Residential - lot & acreage less than 5 acres</p> <p>Parcel 3 1000 Vacant Commercial Land</p> <p>Parcel 4 1000 Vacant Commercial Land</p>
ZONING DISTRICT	<p>CRT-2 CORRIDOR RESIDENTIAL TRADITIONAL-2</p>



Parcel 1: 16 31 23 78390 022 0151

Development Constraints

Buildable Envelope

- **Minimum Lot Size:** 4,500 sq ft
- **Minimum Lot Width:** 45 ft
- **Primary Structure Setbacks:**
 - **Front:** 15 ft
 - **Rear:** 0 ft
 - **Side:** 0 ft
 - **Side Street Corner:** 10 ft
 - **Source Citation:** Section 16.20.060.7. - CRT-2 Development Standards
- **Setback Logic Notes:** Front setback is 15' (0' for stoops/porches). Side and Rear are 0' if an alley exists, otherwise 7.5' for side and 10' for rear.
- **Source Citation:** Section 16.20.060.7. Dimensional Standards Table

Zoning Intensity

- **Maximum Density:** 40 du/ac
- **Maximum FAR:** 1.5
- **Maximum Height:**
 - **Feet:** 48
- **Source Citation:** Section 16.20.060.7. (Standard CRT-2 limits)

Circulation Geometry

- **Driveways:**
 - **Width One Way:** 12 ft
 - **Width Two Way:** 24 ft
 - **Source Citation:** Section 16.40.090.3.4 (Parking Design Standards)
- **Turning Radii:**
 - **ROW Connection:**
 - **Fire Apparatus:** 30
 - **Source Citation:** Section 16.40.140.4.1. - Streets (Subdivision standards)

Parking Standards

- **Ratios:**



- **Required Stalls Per Unit:** Multi-family (>750sf): 0.75 spaces/unit up to 2BR; Multi-family (<=750sf): 0.5 spaces/unit
- **Source Citation:** Section 16.10.020.1 - Parking Requirements Matrix (Traditional Tier)
- **Geometry:**
 - **Stall Width:** 9 ft
 - **Stall Length:** 18 ft
 - **Drive Aisle Width:**
 - **Ninety Deg:** 24
 - **Source Citation:** Section 16.40.090.3.4. (Standard 90-degree parking)

Fire Safety Code

- **Minimum Clear Width:** 24 ft
- **Fire Apparatus Access Notes:** Minimum pavement width of 24 feet required for minor streets/cul-de-sacs. Radius for cul-de-sac curb is 30 feet.
- **Source Citation:** Section 16.40.140.4.1. - Streets

Typology Specifics

- **Permitted Uses By Right:**
 - Multi-family residential
 - Office
 - Retail
 - Mixed-use
- **Notes:** Density and FAR bonuses available: Density up to 60 du/ac and FAR up to 2.5 in Activity Centers or for workforce housing/TEC bonuses.



Parcel 2: 16 31 23 78390 022 0150

Development Constraints

Buildable Envelope

- **Minimum Lot Size:** 4,500 sq ft
- **Minimum Lot Width:** 45 ft
- **Primary Structure Setbacks:**
 - **Front:** 15 ft
 - **Rear:** 10 ft
 - **Side:** 5 ft
 - **Side Street Corner:** 15 ft
- **Setback Logic Notes:** Front/Street: 15ft min, 25ft max. Side: 5ft. Rear: 10ft. Accessory structures have varying setbacks (e.g., 5ft rear).
- **Source Citation:** Section 16.20.060.6 (CRT-2 Dimensional Standards)

Zoning Intensity

- **Maximum Density:** 40 du/ac
- **Maximum Impervious Surface:** 0.95 %
- **Maximum FAR:** 1.5
- **Maximum Height:**
 - **Feet:** 48
- **Source Citation:** Section 16.20.060.5 (CRT-2 Development Intensity)

Circulation Geometry

- **Turning Radii:**
 - **ROW Connection:**
 - **Fire Apparatus:** 30
- **Curb Return Notes:** Minor streets/cul-de-sacs require 24ft pavement width; collectors require 32ft. Cul-de-sac min curb radius 30ft.
- **Source Citation:** Section 16.40.140.4.1 (Streets)

Parking Standards

- **Ratios:**
 - **Required Stalls Per Unit:** 0.75 spaces/unit (>750sf); 0.50 spaces/unit (<=750sf)
- **Source Citation:** Section 16.40.090 (Parking Standards - Traditional Tier)



Fire Safety Code

- **Fire Apparatus Access Notes:** Specific fire access width not found in LDC; however, minimum pavement width for minor streets is 24ft.
- **Source Citation:** Section 16.40.140.4.1

Typology Specifics

- **Permitted Uses By Right:**
 - Multifamily
 - Single-Family
 - Live/Work
 - Mixed-Use
 - Neighborhood Scale Retail/Cafe
- **Notes:** Zoning confirmed as CRT-2. Height measured to peak of roof; setbacks measured perpendicular to property line.



Parcel 3: 16-31-23-78390-022-0140

Development Constraints

Buildable Envelope

- **Minimum Lot Size:** 4,500 sq ft
- **Minimum Lot Width:** 45 ft
- **Primary Structure Setbacks:**
 - **Front:** 15 ft
 - **Rear:** 10 ft
 - **Side:** 5 ft
 - **Side Street Corner:** 10 ft
- **Source Citation:** Section 16.20.060

Zoning Intensity

- **Maximum Density:** 30 du/ac
- **Maximum Lot Coverage:** 0.5 %
- **Maximum FAR:** 1
- **Maximum Height:**
 - **Feet:** 36
 - **Stories:** 3
- **Source Citation:** Section 16.20.060

Parking Standards

- **Ratios:**
 - **Required Stalls Per Unit:** Multifamily: 1.0/unit (0-1 BR), 1.5/unit (2+ BR); Office: 1 per 300 sq ft; Retail: 1 per 250 sq ft
 - **Loading Berths:** 1
 - **Source Citation:** Section 16.40.090
- **Geometry:**
 - **Stall Width:** 9 ft
 - **Stall Length:** 18 ft
 - **Drive Aisle Width:**
 - **Ninety Deg:** 24
 - **Source Citation:** Section 16.40.090



Typology Specifics

- **Permitted Uses By Right:**

- Multifamily
- Office
- Retail
- Mixed Use

- **Notes:** Bicycle parking: 1 per unit (long-term). Accessible parking: 1 for first 25 spaces. Shared parking reductions permitted per occupancy matrix.



Parcel 4: 16-31-23-78390-022-0130

Development Constraints

Buildable Envelope

- **Minimum Lot Size:** 4,500 sq ft
- **Minimum Lot Width:** 45 ft
- **Primary Structure Setbacks:**
 - **Front:** 0 ft
 - **Rear:** 0 ft
 - **Side:** 0 ft
 - **Side Street Corner:** 0 ft
- **Setback Logic Notes:** Setbacks for CRT-2: Front 0ft (min) / 10ft (max) from curb; Side/Rear 0ft. Rear 7.5ft if no alley exists. Height is measured from mean existing grade (outside flood zones) or DFE (inside flood zones).
- **Source Citation:** Section 16.20.060.7 (Dimensional Standards) and 16.60.010 (Calculations)

Zoning Intensity

- **Maximum Density:** 40 du/ac
- **Maximum Impervious Surface:** 95 %
- **Maximum FAR:** 1.5
- **Maximum Height:**
 - **Feet:** 48
- **Source Citation:** Section 16.20.060.7. Standards allow up to 60 du/ac and 2.5 FAR within Activity Centers.

Circulation Geometry

- **Driveways:**
 - **Width One Way:** 12 ft
 - **Width Two Way:** 24 ft
 - **Width Fire Access:** 20 ft
- **Source Citation:** Section 16.40.090.3.4 and Fire Code General Standards

Parking Standards

- **Ratios:**
 - **Required Stalls Per Unit:** 1.0 space per unit (Multifamily); 1.0 per 300sf (Retail)
 - **Loading Berths:** 1



- **Geometry:**

- **Stall Width:** 9 ft
- **Stall Length:** 18 ft
- **Drive Aisle Width:**
 - **Ninety Deg:** 24
 - **Sixty Deg:** 18
 - **Forty Five Deg:** 13

- **Source Citation:** Section 16.10.020.1 (Parking Matrix) and 16.40.090.3.4 Table 103

Fire Safety Code

- **Minimum Clear Width:** 20 ft
- **Vertical Clearance:** 13.5 ft
- **Fire Apparatus Access Notes:** All parking areas must allow forward motion entry/exit except for alley-access units.

Typology Specifics

- **Permitted Uses By Right:**

- Multifamily
- Retail
- Office
- Restaurant
- Hotel

- **Notes:** CRT-2 is designed for high-density mixed-use development along major corridors. Residential equivalent uses (ALF/Nursing) calculated at 3 beds per unit.



Site Feasibility

Executive Summary: The primary development goal is 23-unit apartment building, 4-story multifamily development. The target of a 23-unit, 4-story multifamily development is strategically viable but technically rests on securing density and height bonuses. The 0.42-acre assemblage yields a by-right maximum of 16-17 units at the standard 40 DU/AC limit. Achieving 23 units (approx. 55 DU/AC) requires stacking workforce housing or Activity Center bonuses. Additionally, surface parking constraints will force the project into ground-floor podium parking to achieve the required footprint. Total investment risk score: **Moderate - Relies on Entitlement Bonuses and Lot Tie**. Path forward: Initiate an immediate lot tie/replat of the four parcels to create a unified 0.42-acre buildable envelope. Aggressively pursue Activity Center or Workforce Housing density bonuses to bridge the gap from 16 to 23 units, and value-engineer a 4-story product with ground-floor parking to bypass surface area limitations..

Zoning & Entitlement: Entitlement risk: Moderate (6/10). The requested intensity fits urban infill models, but Nimbyism and the strict reliance on density bonuses pose administrative risks.. The combined gross site is 0.42 acres (19,010 sq ft). Once combined, perimeter setbacks (15' front, 10' rear, 5' side) will shrink the buildable footprint by approximately 25-30%, yielding a net horizontal footprint of roughly 13,000 sq ft.. Parking tipping point: Based on 0.75 spaces per unit, 23 units demand ~18 parking stalls. Surface parking and drive aisles for 18 spaces consume ~6,300 sq ft. Deducting this from the net footprint leaves insufficient ground area for a 23-unit surface-parked layout without severely shrinking unit sizes. The site has reached the tipping point where ground-floor/podium parking is mandatory.. Incentive stacking: Targeting 23 units on 0.42 acres requires 54.7 DU/AC. The base CRT-2 zoning allows 30-40 DU/AC (12-16 units). Reaching 23 units strictly requires stacking density bonuses (up to 60 DU/AC) via Activity Center designation or workforce/TEC bonuses.. Fallback use: A by-right 16-unit luxury apartment or townhome development, requiring no density bonuses and allowing partial surface parking..

Environmental/FEMA: Vertical reality (FFE): St. Petersburg is a coastal jurisdiction; while specific flood zones aren't flagged, the code specifies height is measured from the Design Flood Elevation (DFE) if inside a flood zone. A coastal elevation survey is required.. LOMR-F viability: Unlikely to be necessary or viable for high-density urban infill; finished floor elevation will be driven by podium/ground floor design.. Mitigation cost: Standard urban stormwater compliance required. No major wetland mitigation costs anticipated.. Layout pivot: To maximize buildable upland and preserve parking space, transition from surface stormwater ponds to subsurface retention vaults beneath the parking or drive aisle, despite the CAPEX premium..

Infrastructure & Flaws: Utility connectivity: High confidence in immediate connectivity. Situated at 1st Ave S and 24th St S, major water, sewer, and power lines are presumed at the property line.. Topography / ADA impact: Site is flat urban infill; standard ADA accessible route planning to the right-of-way will suffice.. Site work premium: Minimal earthwork premium. However, a site work premium is expected for subsurface stormwater retention and demolition of any existing legacy flatwork.. Critical flaws: Assemblage lot lines bisect the buildable envelope; a replat or unity of title is a strict prerequisite., Height limit discrepancy across parcels (36 ft / 3 stories vs 48 ft) threatens the 4-story goal..

Development Yield: Yield math: gross acreage 0.42 acres (19,010 sq ft); wetlands and buffers 0.00 acres; easements and setbacks 0.11 acres (Estimated perimeter setback loss: 15' front, 10' rear, 5' side); stormwater retention 0.06 acres (Assuming surface or shallow swales; can be reclaimed if vaulted); net buildable acreage 0.25 acres (10,890 sq ft). Yield ceiling: 16 units (By-Right) / 23 units (With Density Bonuses & Podium Parking).



Density optimization: Push the building envelope to the maximum 95% impervious surface limit by employing subsurface stormwater vaults and a ground-floor parking podium. This eliminates surface parking, utilizing the entire 10,890 sq ft net buildable area for a multi-story residential structure, yielding roughly 1,400 gross sq ft per unit across three residential floors (stories 2-4)..

Go/No-Go Factor Matrix

Factor	Status	Financial Impact	Mitigation Strategy
Entitlement & Density Bonuses	yellow	Potential affordability concessions impacting pro forma NOI or timeline extensions for bonus approval.	Engage St. Petersburg planning immediately to confirm qualification for Activity Center or Workforce Housing bonuses to reach 60 DU/AC.
Height Limit Discrepancy	yellow	Loss of the 4th story, reducing yield to 3 stories if standard 36ft limit is enforced over 48ft.	Clarify CRT-2 height modifiers based on site-specific mean grade and bonus applicability during the pre-app meeting.
Assemblage & Replatting	yellow	Administrative costs and 3-6 month timeline addition prior to horizontal permitting.	Execute a formal lot tie agreement and replatting application concurrently with schematic design.
Parking Tipping Point	yellow	Increased CAPEX for ground-floor podium parking structure versus surface asphalt.	Design a Type V-A over I-A podium structure, utilizing the ground floor for parking and lobby to preserve the 3 upper levels for 23 units.
Utilities & Infrastructure	green	Standard tap and connection fees; minimal off-site extension costs.	Verify existing main capacities and lateral locations via utility as-builts.

Proposed Solutions: (1) Workforce Housing / Activity Center Density Stack: Immediately engage with St. Petersburg's zoning department to lock in the 60 DU/AC density bonus. Evaluate if allocating a percentage of the 23 units to workforce housing generates a higher ROI than the loss in market-rate rents, or if the site already falls within an Activity Center overlay. (2) Podium Design & Subsurface Stormwater: Absorb the CAPEX premium for a podium structure (parking on ground floor, 3 residential floors above) and subsurface stormwater vaults. This avoids the surface parking 'choke point' and guarantees the spatial capacity for 23 modern, market-sized units.



Next Steps: Commission an ALTA/NSPS Land Title Survey covering all four parcels., Draft and submit a lot tie / unity of title agreement to eliminate internal setbacks., Schedule a pre-application meeting to confirm Height (48ft vs 36ft) and Density (Bonus to 60 DU/AC) allowances., Conduct a Geotechnical survey to verify soil capacity for a 4-story podium structure and subsurface stormwater vaults.

Data Gaps: Confirmation of Activity Center or Workforce Housing overlay status for density bonuses., Geotechnical and soil bearing capacity data., Current topographic and boundary survey identifying exact legacy utility easements., FEMA flood zone designation and required Design Flood Elevation (DFE).

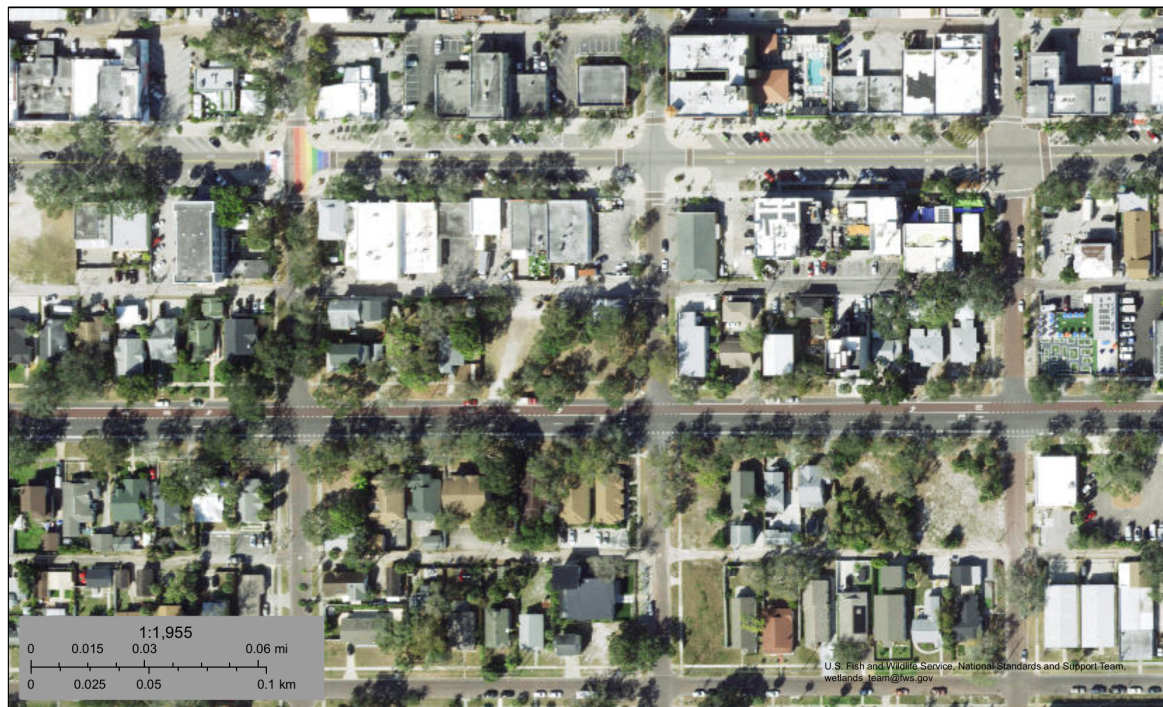
Recommended Studies: Phase I Environmental Site Assessment (ESA), ALTA Boundary and Topographic Survey, Geotechnical Soil Investigation, Zoning Verification Letter (specifically addressing the 36ft vs 48ft height limit discrepancy)



WETLANDS | 16 31 23 78390 022 0151











Wetlands



April 8, 2026

Wetlands

- | | | |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland |  Lake |
|  Estuarine and Marine Wetland |  Freshwater Forested/Shrub Wetland |  Other |
| |  Freshwater Pond |  Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



WETLANDS | 16 31 23 78390 022 0150



Wetlands



April 8, 2026

Wetlands

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|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland |  Lake |
|  Estuarine and Marine Wetland |  Freshwater Forested/Shrub Wetland |  Other |
| |  Freshwater Pond |  Riverine |

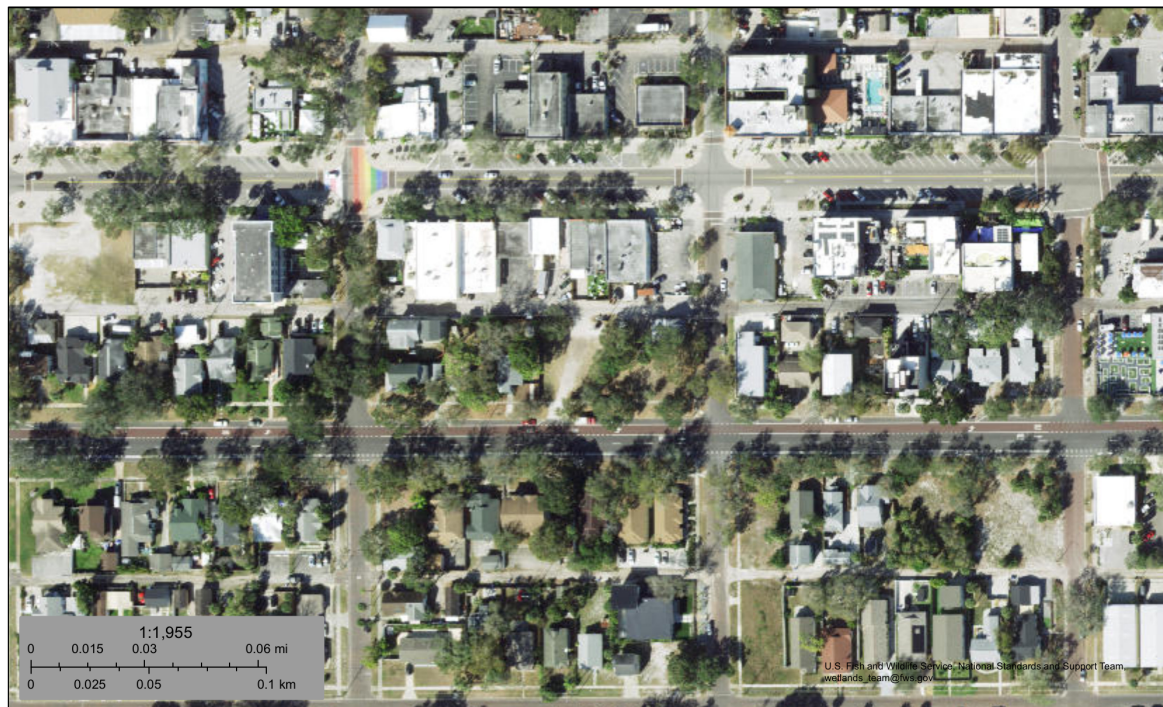
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WETLANDS | 16-31-23-78390-022-0140











Wetlands



April 8, 2026

Wetlands

- | | | |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland |  Lake |
|  Estuarine and Marine Wetland |  Freshwater Forested/Shrub Wetland |  Other |
| |  Freshwater Pond |  Riverine |

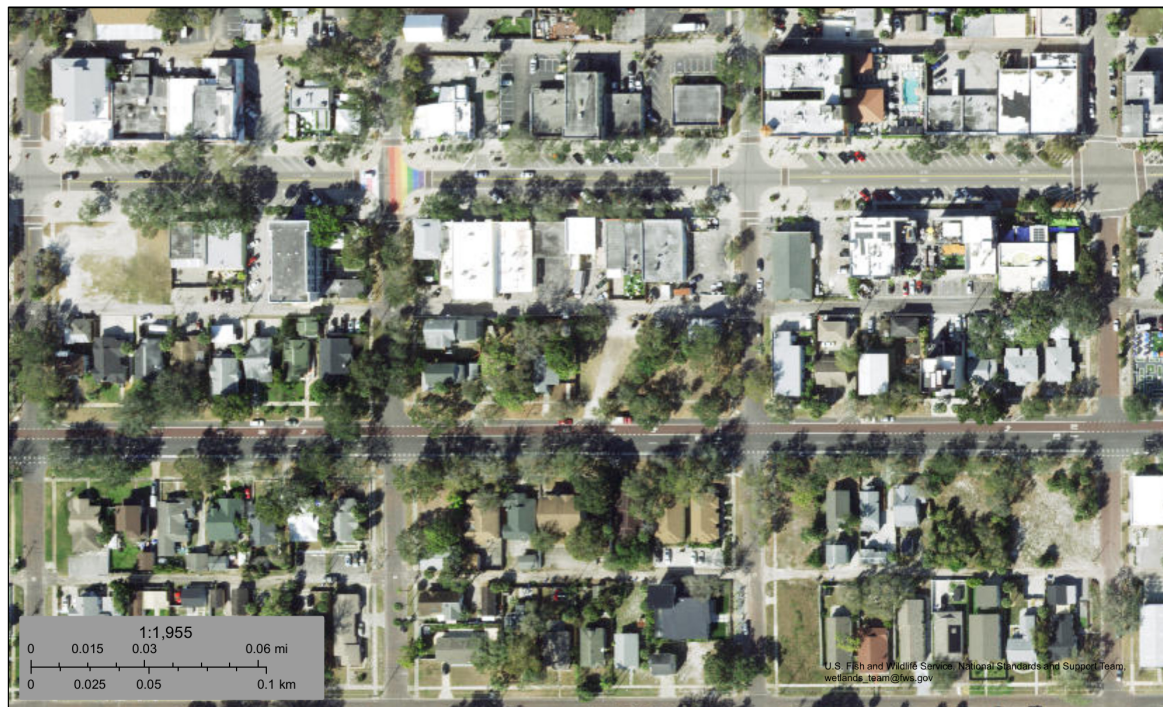
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WETLANDS | 16-31-23-78390-022-0130




Wetlands



April 8, 2026

Wetlands

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|-------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
|  | Freshwater Pond |  | Freshwater Pond |  | Riverine |

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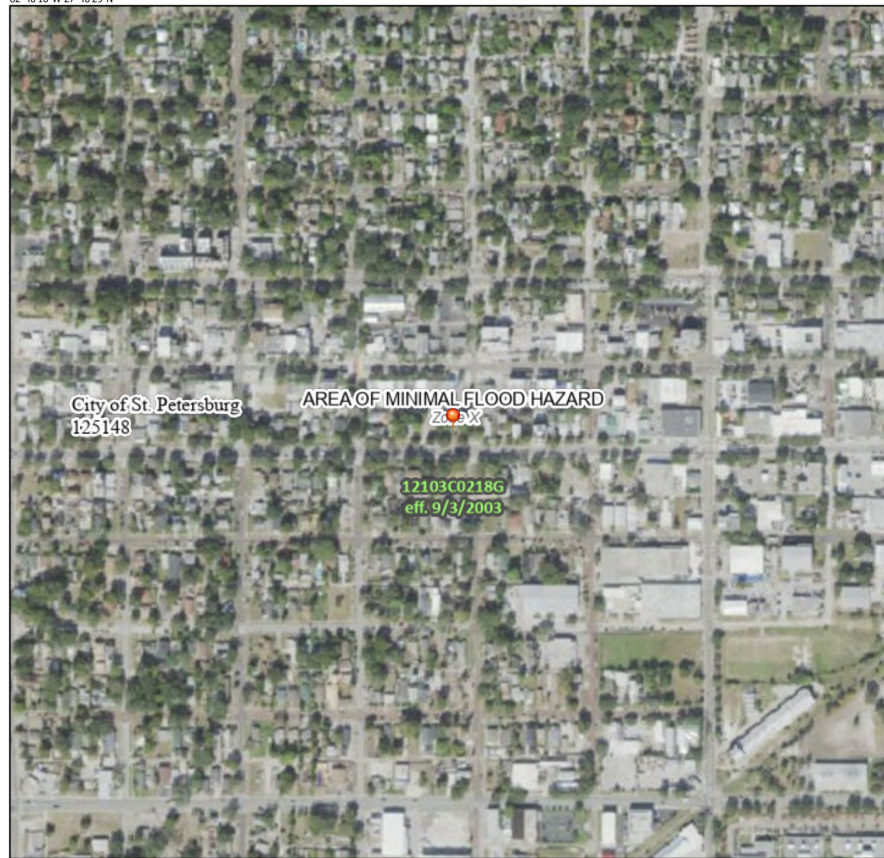


FEMA | 16 31 23 78390 022 0151

National Flood Hazard Layer FIRMette



82°40'16"W 27°46'29"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AD, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee. Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
OTHER FEATURES		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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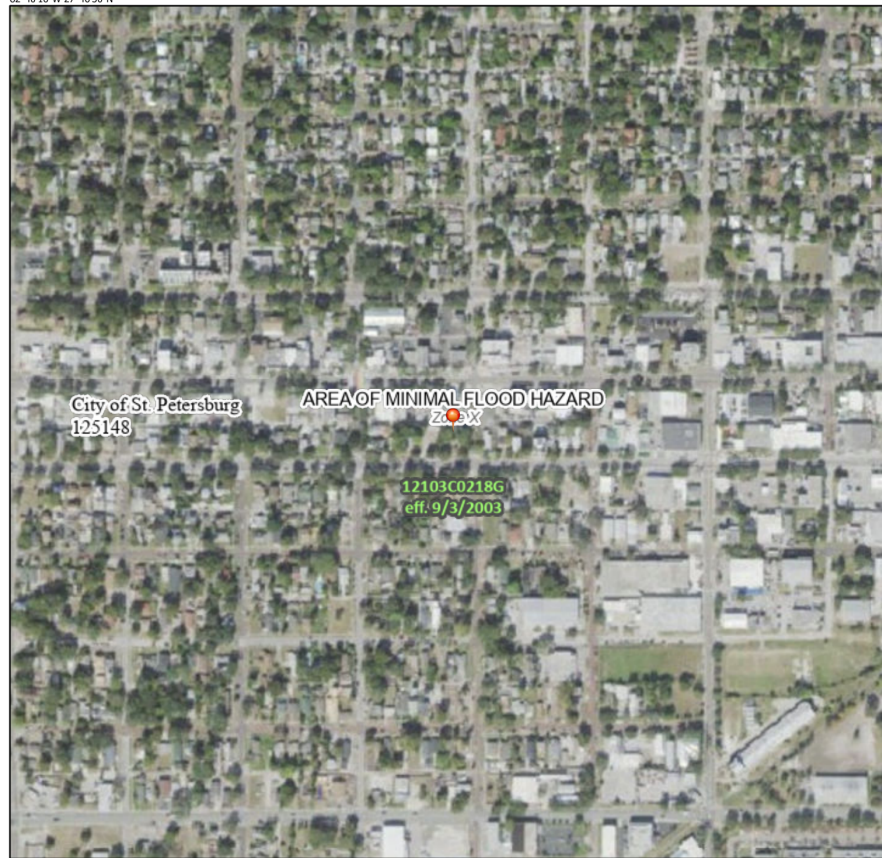


FEMA | 16 31 23 78390 022 0150

National Flood Hazard Layer FIRMette



82°40'16"W 27°46'30"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE)
Zone A, V, A99
 - With BFE or Depth Zone AE, AD, AH, VE, AR
 - Regulatory Floodway

- OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. Zone X
 - Future Conditions 1% Annual Chance Flood Hazard Zone X
 - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
 - Area with Flood Risk due to Levee Zone D

- OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard Zone X
 - Effective LOMRs
 - Area of Undetermined Flood Hazard Zone D

- GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall

- Cross Sections with 1% Annual Chance Water Surface Elevation**
- 20.2
 - 17.5
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary

- OTHER FEATURES**
- Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature

- MAP PANELS**
- Digital Data Available
 - No Digital Data Available
 - Unmapped

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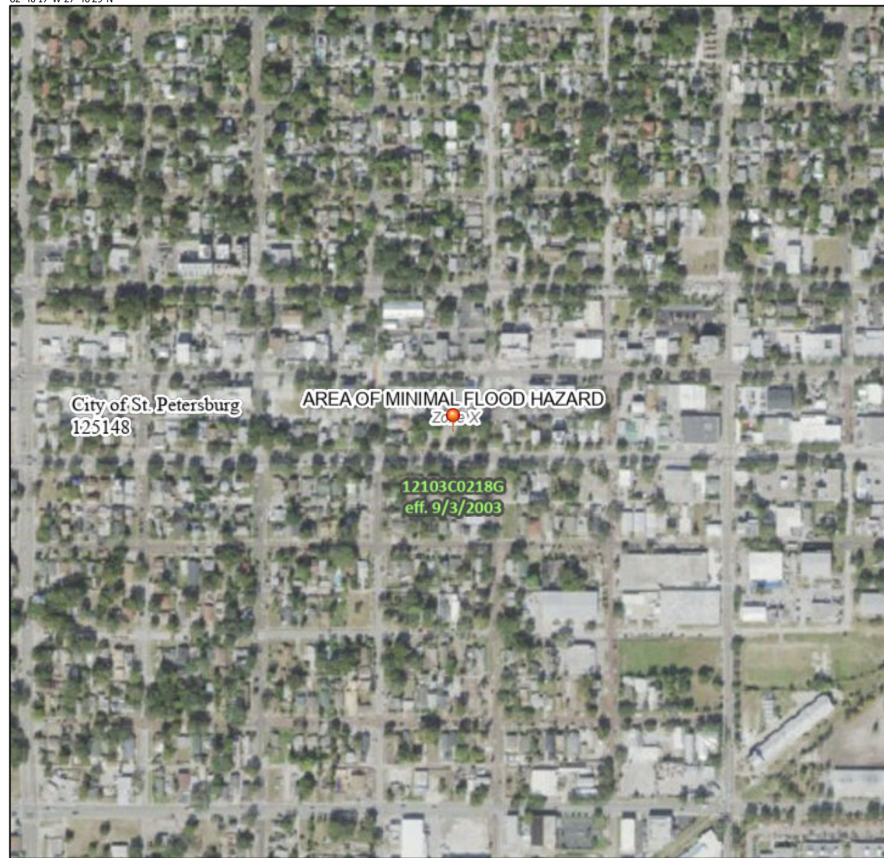


FEMA | 16-31-23-78390-022-0140

National Flood Hazard Layer FIRMette



82°40'17"W 27°46'29"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE)
Zone A, V, A99
 - With BFE or Depth Zone AE, AD, AH, VE, AR
 - Regulatory Floodway

- OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. Zone X
 - Future Conditions 1% Annual Chance Flood Hazard Zone X
 - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
 - Area with Flood Risk due to Levee Zone D

- OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard Zone X
 - Effective LOMRs
 - Area of Undetermined Flood Hazard Zone D

- GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall

- OTHER FEATURES**
- Cross Sections with 1% Annual Chance Water Surface Elevation
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature

- MAP PANELS**
- Digital Data Available
 - No Digital Data Available
 - Unmapped

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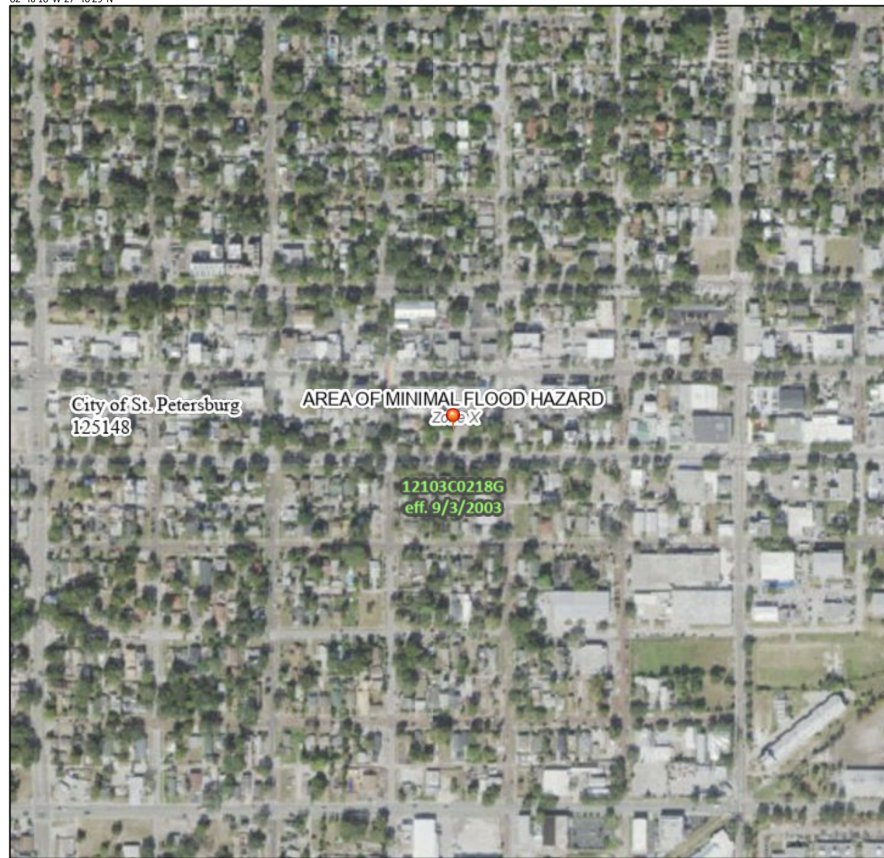


FEMA | 16-31-23-78390-022-0130

National Flood Hazard Layer FIRMette



82°40'18"W 27°46'29"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap Imagery Source: USGS National Map 2023

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- Without Base Flood Elevation (BFE)
Zone A, V, A99
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 - Effective LOMRs
 - Area of Undetermined Flood Hazard Zone D

- GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall

- Cross Sections with 1% Annual Chance Water Surface Elevation**
- Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary

- OTHER FEATURES**
- Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature

- MAP PANELS**
- Digital Data Available
 - No Digital Data Available
 - Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/8/2026 at 5:20 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



SOILS | 16 31 23 78390 022 0151





SOILS | 16 31 23 78390 022 0151

Soil Map—Pinellas County, Florida
(aoi)

MAP LEGEND		MAP INFORMATION
<p>Area of Interest (AOI)</p> <ul style="list-style-type: none"> Area of Interest (AOI) <p>Soils</p> <ul style="list-style-type: none"> Soil Map Unit Polygons Soil Map Unit Lines Soil Map Unit Points <p>Special Point Features</p> <ul style="list-style-type: none"> Blowout Borrow Pit Clay Spot Closed Depression Gravel Pit Gravelly Spot Landfill Lava Flow Marsh or swamp Mine or Quarry Miscellaneous Water Perennial Water Rock Outcrop Saline Spot Sandy Spot Severely Eroded Spot Sinkhole Slide or Slip Sodic Spot 	<ul style="list-style-type: none"> Spoil Area Stony Spot Very Stony Spot Wet Spot Other Special Line Features <p>Water Features</p> <ul style="list-style-type: none"> Streams and Canals <p>Transportation</p> <ul style="list-style-type: none"> Rails Interstate Highways US Routes Major Roads Local Roads <p>Background</p> <ul style="list-style-type: none"> Aerial Photography 	<p>The soil surveys that comprise your AOI were mapped at 1:24,000.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Warning: Soil Map may not be valid at this scale.</p> <p>Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.</p> </div> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Pinellas County, Florida Survey Area Data: Version 22, Aug 29, 2025</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Jan 25, 2025—Feb 23, 2025</p> <p>The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.</p>



SOILS | 16 31 23 78390 022 0151

Soil Map—Pinellas County, Florida

aoi

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
17	Myakka soils and Urban land	0.6	33.3%
30	Urban land, 0 to 2 percent slopes	1.1	66.7%
Totals for Area of Interest		1.7	100.0%





SOILS | 16 31 23 78390 022 0151

Map Unit Description: Myakka soils and Urban land--Pinellas County, Florida

aoi

Pinellas County, Florida

17—Myakka soils and Urban land

Map Unit Setting

National map unit symbol: 134cc
Landscape: Coastal plains
Elevation: 0 to 100 feet
Mean annual precipitation: 48 to 56 inches
Mean annual air temperature: 70 to 77 degrees F
Frost-free period: 335 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Myakka and similar soils: 50 percent
Urban land: 45 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Myakka

Setting

Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy marine deposits

Typical profile

A - 0 to 4 inches: fine sand
E - 4 to 22 inches: fine sand
Bh - 22 to 36 inches: fine sand
C - 36 to 80 inches: fine sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.6 inches)





SOILS | 16 31 23 78390 022 0151

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Pinellas County, Florida

30—Urban land, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2x9fc
Landscape: Coastal plains
Elevation: 0 to 200 feet
Mean annual precipitation: 40 to 68 inches
Mean annual air temperature: 68 to 79 degrees F
Frost-free period: 345 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landscape: Coastal plains
Landform: Flatwoods on marine terraces, Rises on marine terraces, Knolls on marine terraces, Ridges on marine terraces, Hills on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser, talf, rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: No parent material

Interpretive groups

Land capability classification (irrigated): None specified
Forage suitability group: Forage suitability group not assigned (G155XB999FL)
Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: Unranked

Minor Components

Matlacha

Percent of map unit: 3 percent
Landscape: Coastal plains
Landform: Flats on marine terraces
Landform position (three-dimensional): Tread, talf
Anthropogenic features: Fills
Down-slope shape: Convex, linear
Across-slope shape: Linear





SOILS | 16 31 23 78390 022 0151

Map Unit Description: Myakka soils and Urban land--Pinellas County, Florida

aoi

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4w

Hydrologic Soil Group: A/D

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Forage suitability group: Forage suitability group not assigned (G154XB999FL)

Other vegetative classification: Forage suitability group not assigned (G154XB999FL)

Hydric soil rating: No

Description of Urban Land

Setting

Landscape: Coastal plains

Landform: Marine terraces

Landform position (three-dimensional): Interfluve, talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: No parent material

Interpretive groups

Land capability classification (irrigated): None specified

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Forage suitability group: Forage suitability group not assigned (G154XB999FL)

Other vegetative classification: Forage suitability group not assigned (G154XB999FL)

Hydric soil rating: Unranked

Minor Components

Adamsville

Percent of map unit: 3 percent

Landscape: Coastal plains

Landform: Knolls on marine terraces, Ridges on marine terraces

Landform position (three-dimensional): Interfluve, talf

Down-slope shape: Convex

Across-slope shape: Linear

Ecological site: F155XY150FL - Sandy Flatwoods and Hammocks on Rises and Knolls of Mesic Uplands

Other vegetative classification: Forage suitability group not assigned (G154XB999FL)

Hydric soil rating: No

Pomello

Percent of map unit: 2 percent

Landscape: Coastal plains

Landform: Rises on marine terraces, Ridges on marine terraces

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear





SOILS | 16 31 23 78390 022 0151

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: No

St. augustine

Percent of map unit: 3 percent
Landscape: Coastal plains
Landform: Marine terraces
Landform position (three-dimensional): Tread, rise
Anthropogenic features: Fills
Down-slope shape: Linear
Across-slope shape: Convex
Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: No

Immokalee

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Riser, talf
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Myakka

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Drainageways on flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf, dip
Down-slope shape: Linear
Across-slope shape: Linear, concave
Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)
Hydric soil rating: No

Paola

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Knolls on marine terraces, Ridges on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser
Down-slope shape: Convex, linear
Across-slope shape: Linear
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G155XB111FL), Sand Pine Scrub (R155XY001FL)
Hydric soil rating: No





SOILS | 16 31 23 78390 022 0151

Map Unit Description: Myakka soils and Urban land--Pinellas County, Florida

aoi

Ecological site: F155XY150FL - Sandy Flatwoods and Hammocks
on Rises and Knolls of Mesic Uplands
Other vegetative classification: Forage suitability group not
assigned (G154XB999FL)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Pinellas County, Florida
Survey Area Data: Version 22, Aug 29, 2025





SOILS | 16 31 23 78390 022 0151

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Pomello

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Knolls on marine terraces, Ridges on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser
Down-slope shape: Convex, linear
Across-slope shape: Linear
Other vegetative classification: Sand Pine Scrub (R155XY001FL),
Sandy soils on rises and knolls of mesic uplands
(G155XB131FL)
Hydric soil rating: No

Eaugallie

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: South Florida Flatwoods
(R155XY003FL), Sandy soils on flats of mesic or hydric
lowlands (G155XB141FL)
Hydric soil rating: No

Adamsville

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Knolls on marine terraces, Rises on marine terraces
Landform position (three-dimensional): Tread, rise
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Upland Hardwood Hammock
(R155XY008FL), Sandy soils on rises and knolls of mesic
uplands (G155XB131FL)
Hydric soil rating: No

Apopka

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Ridges on marine terraces, Hills on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Interfluve, side slope, riser
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Longleaf Pine-Turkey Oak Hills
(R155XY002FL), Sandy soils on ridges and dunes of xeric
uplands (G155XB111FL)
Hydric soil rating: No

Cypress lake

Percent of map unit: 1 percent
Landscape: Coastal plains





SOILS | 16 31 23 78390 022 0151

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Landform: Drainageways on marine terraces, Flats on marine terraces

Landform position (three-dimensional): Tread, dip, talf

Down-slope shape: Linear, convex

Across-slope shape: Concave, linear

Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy over loamy soils on flats of hydric or mesic lowlands (G155XB241FL)

Hydric soil rating: Yes

Brynwood

Percent of map unit: 1 percent

Landscape: Coastal plains

Landform: Flatwoods on marine terraces

Landform position (three-dimensional): Tread, talf

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Pinellas County, Florida

Survey Area Data: Version 22, Aug 29, 2025





SOILS | 16 31 23 78390 022 0150





SOILS | 16 31 23 78390 022 0150

Soil Map—Pinellas County, Florida
(aoi)

MAP LEGEND		MAP INFORMATION	
Area of Interest (AOI)	Area of Interest (AOI)	Spoil Area	The soil surveys that comprise your AOI were mapped at 1:24,000.
Soils	Soil Map Unit Polygons Soil Map Unit Lines Soil Map Unit Points	Stony Spot Very Stony Spot Wet Spot Other Special Line Features	
Special Point Features	Blowout Borrow Pit Clay Spot Closed Depression Gravel Pit Gravelly Spot Landfill Lava Flow Marsh or swamp Mine or Quarry Miscellaneous Water Perennial Water Rock Outcrop Saline Spot Sandy Spot Severely Eroded Spot Sinkhole Slide or Slip Sodic Spot	Water Features Streams and Canals	<p>Warning: Soil Map may not be valid at this scale.</p> <p>Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.</p> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Pinellas County, Florida Survey Area Data: Version 22, Aug 29, 2025</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Jan 25, 2025—Feb 23, 2025</p> <p>The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.</p>
		Transportation Rails Interstate Highways US Routes Major Roads Local Roads	
	Background Aerial Photography		



SOILS | 16 31 23 78390 022 0150

Soil Map—Pinellas County, Florida

aoi

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
17	Myakka soils and Urban land	0.2	13.2%
30	Urban land, 0 to 2 percent slopes	1.5	86.8%
Totals for Area of Interest		1.7	100.0%





SOILS | 16 31 23 78390 022 0150

Map Unit Description: Myakka soils and Urban land--Pinellas County, Florida

aoi

Pinellas County, Florida

17—Myakka soils and Urban land

Map Unit Setting

National map unit symbol: 134cc
Landscape: Coastal plains
Elevation: 0 to 100 feet
Mean annual precipitation: 48 to 56 inches
Mean annual air temperature: 70 to 77 degrees F
Frost-free period: 335 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Myakka and similar soils: 50 percent
Urban land: 45 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Myakka

Setting

Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy marine deposits

Typical profile

A - 0 to 4 inches: fine sand
E - 4 to 22 inches: fine sand
Bh - 22 to 36 inches: fine sand
C - 36 to 80 inches: fine sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.6 inches)



SOILS | 16 31 23 78390 022 0150

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Pinellas County, Florida

30—Urban land, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2x9fc
Landscape: Coastal plains
Elevation: 0 to 200 feet
Mean annual precipitation: 40 to 68 inches
Mean annual air temperature: 68 to 79 degrees F
Frost-free period: 345 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landscape: Coastal plains
Landform: Flatwoods on marine terraces, Rises on marine terraces, Knolls on marine terraces, Ridges on marine terraces, Hills on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser, talf, rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: No parent material

Interpretive groups

Land capability classification (irrigated): None specified
Forage suitability group: Forage suitability group not assigned (G155XB999FL)
Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: Unranked

Minor Components

Matlacha

Percent of map unit: 3 percent
Landscape: Coastal plains
Landform: Flats on marine terraces
Landform position (three-dimensional): Tread, talf
Anthropogenic features: Fills
Down-slope shape: Convex, linear
Across-slope shape: Linear



SOILS | 16 31 23 78390 022 0150

Map Unit Description: Myakka soils and Urban land--Pinellas County, Florida

aoi

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4w

Hydrologic Soil Group: A/D

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Forage suitability group: Forage suitability group not assigned (G154XB999FL)

Other vegetative classification: Forage suitability group not assigned (G154XB999FL)

Hydric soil rating: No

Description of Urban Land

Setting

Landscape: Coastal plains

Landform: Marine terraces

Landform position (three-dimensional): Interfluve, talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: No parent material

Interpretive groups

Land capability classification (irrigated): None specified

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Forage suitability group: Forage suitability group not assigned (G154XB999FL)

Other vegetative classification: Forage suitability group not assigned (G154XB999FL)

Hydric soil rating: Unranked

Minor Components

Adamsville

Percent of map unit: 3 percent

Landscape: Coastal plains

Landform: Knolls on marine terraces, Ridges on marine terraces

Landform position (three-dimensional): Interfluve, talf

Down-slope shape: Convex

Across-slope shape: Linear

Ecological site: F155XY150FL - Sandy Flatwoods and Hammocks on Rises and Knolls of Mesic Uplands

Other vegetative classification: Forage suitability group not assigned (G154XB999FL)

Hydric soil rating: No

Pomello

Percent of map unit: 2 percent

Landscape: Coastal plains

Landform: Rises on marine terraces, Ridges on marine terraces

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear



SOILS | 16 31 23 78390 022 0150

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: No

St. augustine

Percent of map unit: 3 percent
Landscape: Coastal plains
Landform: Marine terraces
Landform position (three-dimensional): Tread, rise
Anthropogenic features: Fills
Down-slope shape: Linear
Across-slope shape: Convex
Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: No

Immokalee

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Riser, talf
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Myakka

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Drainageways on flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf, dip
Down-slope shape: Linear
Across-slope shape: Linear, concave
Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)
Hydric soil rating: No

Paola

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Knolls on marine terraces, Ridges on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser
Down-slope shape: Convex, linear
Across-slope shape: Linear
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G155XB111FL), Sand Pine Scrub (R155XY001FL)
Hydric soil rating: No



SOILS | 16 31 23 78390 022 0150

Map Unit Description: Myakka soils and Urban land--Pinellas County, Florida

aoi

Ecological site: F155XY150FL - Sandy Flatwoods and Hammocks
on Rises and Knolls of Mesic Uplands
Other vegetative classification: Forage suitability group not
assigned (G154XB999FL)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Pinellas County, Florida
Survey Area Data: Version 22, Aug 29, 2025

**SOILS | 16 31 23 78390 022 0150**

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Pomello

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Knolls on marine terraces, Ridges on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser
Down-slope shape: Convex, linear
Across-slope shape: Linear
Other vegetative classification: Sand Pine Scrub (R155XY001FL),
Sandy soils on rises and knolls of mesic uplands
(G155XB131FL)
Hydric soil rating: No

Eaugallie

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: South Florida Flatwoods
(R155XY003FL), Sandy soils on flats of mesic or hydric
lowlands (G155XB141FL)
Hydric soil rating: No

Adamsville

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Knolls on marine terraces, Rises on marine terraces
Landform position (three-dimensional): Tread, rise
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Upland Hardwood Hammock
(R155XY008FL), Sandy soils on rises and knolls of mesic
uplands (G155XB131FL)
Hydric soil rating: No

Apopka

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Ridges on marine terraces, Hills on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Interfluve, side slope, riser
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Longleaf Pine-Turkey Oak Hills
(R155XY002FL), Sandy soils on ridges and dunes of xeric
uplands (G155XB111FL)
Hydric soil rating: No

Cypress lake

Percent of map unit: 1 percent
Landscape: Coastal plains



SOILS | 16 31 23 78390 022 0150

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Landform: Drainageways on marine terraces, Flats on marine terraces
Landform position (three-dimensional): Tread, dip, talf
Down-slope shape: Linear, convex
Across-slope shape: Concave, linear
Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy over loamy soils on flats of hydric or mesic lowlands (G155XB241FL)
Hydric soil rating: Yes

Brynwood

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Pinellas County, Florida
Survey Area Data: Version 22, Aug 29, 2025



SOILS | 16-31-23-78390-022-0140





SOILS | 16-31-23-78390-022-0140

Soil Map—Pinellas County, Florida
(aoi)

MAP LEGEND		MAP INFORMATION
<p>Area of Interest (AOI)</p> <ul style="list-style-type: none"> Area of Interest (AOI) <p>Soils</p> <ul style="list-style-type: none"> Soil Map Unit Polygons Soil Map Unit Lines Soil Map Unit Points <p>Special Point Features</p> <ul style="list-style-type: none"> Blowout Borrow Pit Clay Spot Closed Depression Gravel Pit Gravelly Spot Landfill Lava Flow Marsh or swamp Mine or Quarry Miscellaneous Water Perennial Water Rock Outcrop Saline Spot Sandy Spot Severely Eroded Spot Sinkhole Slide or Slip Sodic Spot 	<ul style="list-style-type: none"> Spoil Area Stony Spot Very Stony Spot Wet Spot Other Special Line Features <p>Water Features</p> <ul style="list-style-type: none"> Streams and Canals <p>Transportation</p> <ul style="list-style-type: none"> Rails Interstate Highways US Routes Major Roads Local Roads <p>Background</p> <ul style="list-style-type: none"> Aerial Photography 	<p>The soil surveys that comprise your AOI were mapped at 1:24,000.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Warning: Soil Map may not be valid at this scale.</p> <p>Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.</p> </div> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Pinellas County, Florida Survey Area Data: Version 22, Aug 29, 2025</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Jan 25, 2025—Feb 23, 2025</p> <p>The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.</p>



SOILS | 16-31-23-78390-022-0140

Soil Map—Pinellas County, Florida

aoi

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
17	Myakka soils and Urban land	0.5	28.1%
30	Urban land, 0 to 2 percent slopes	1.2	71.9%
Totals for Area of Interest		1.6	100.0%





SOILS | 16-31-23-78390-022-0140

Map Unit Description: Myakka soils and Urban land--Pinellas County, Florida

aoi

Pinellas County, Florida

17—Myakka soils and Urban land

Map Unit Setting

National map unit symbol: 134cc
Landscape: Coastal plains
Elevation: 0 to 100 feet
Mean annual precipitation: 48 to 56 inches
Mean annual air temperature: 70 to 77 degrees F
Frost-free period: 335 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Myakka and similar soils: 50 percent
Urban land: 45 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Myakka

Setting

Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy marine deposits

Typical profile

A - 0 to 4 inches: fine sand
E - 4 to 22 inches: fine sand
Bh - 22 to 36 inches: fine sand
C - 36 to 80 inches: fine sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.6 inches)





SOILS | 16-31-23-78390-022-0140

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Pinellas County, Florida

30—Urban land, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2x9fc
Landscape: Coastal plains
Elevation: 0 to 200 feet
Mean annual precipitation: 40 to 68 inches
Mean annual air temperature: 68 to 79 degrees F
Frost-free period: 345 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landscape: Coastal plains
Landform: Flatwoods on marine terraces, Rises on marine terraces, Knolls on marine terraces, Ridges on marine terraces, Hills on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser, talf, rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: No parent material

Interpretive groups

Land capability classification (irrigated): None specified
Forage suitability group: Forage suitability group not assigned (G155XB999FL)
Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: Unranked

Minor Components

Matlacha

Percent of map unit: 3 percent
Landscape: Coastal plains
Landform: Flats on marine terraces
Landform position (three-dimensional): Tread, talf
Anthropogenic features: Fills
Down-slope shape: Convex, linear
Across-slope shape: Linear





SOILS | 16-31-23-78390-022-0140

Map Unit Description: Myakka soils and Urban land---Pinellas County, Florida

aoi

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4w

Hydrologic Soil Group: A/D

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Forage suitability group: Forage suitability group not assigned (G154XB999FL)

Other vegetative classification: Forage suitability group not assigned (G154XB999FL)

Hydric soil rating: No

Description of Urban Land

Setting

Landscape: Coastal plains

Landform: Marine terraces

Landform position (three-dimensional): Interfluve, talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: No parent material

Interpretive groups

Land capability classification (irrigated): None specified

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Forage suitability group: Forage suitability group not assigned (G154XB999FL)

Other vegetative classification: Forage suitability group not assigned (G154XB999FL)

Hydric soil rating: Unranked

Minor Components

Adamsville

Percent of map unit: 3 percent

Landscape: Coastal plains

Landform: Knolls on marine terraces, Ridges on marine terraces

Landform position (three-dimensional): Interfluve, talf

Down-slope shape: Convex

Across-slope shape: Linear

Ecological site: F155XY150FL - Sandy Flatwoods and Hammocks on Rises and Knolls of Mesic Uplands

Other vegetative classification: Forage suitability group not assigned (G154XB999FL)

Hydric soil rating: No

Pomello

Percent of map unit: 2 percent

Landscape: Coastal plains

Landform: Rises on marine terraces, Ridges on marine terraces

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear



**SOILS | 16-31-23-78390-022-0140**

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: No

St. augustine

Percent of map unit: 3 percent
Landscape: Coastal plains
Landform: Marine terraces
Landform position (three-dimensional): Tread, rise
Anthropogenic features: Fills
Down-slope shape: Linear
Across-slope shape: Convex
Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: No

Immokalee

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Riser, talf
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Myakka

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Drainageways on flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf, dip
Down-slope shape: Linear
Across-slope shape: Linear, concave
Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)
Hydric soil rating: No

Paola

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Knolls on marine terraces, Ridges on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser
Down-slope shape: Convex, linear
Across-slope shape: Linear
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G155XB111FL), Sand Pine Scrub (R155XY001FL)
Hydric soil rating: No





SOILS | 16-31-23-78390-022-0140

Map Unit Description: Myakka soils and Urban land--Pinellas County, Florida

aoi

Ecological site: F155XY150FL - Sandy Flatwoods and Hammocks
on Rises and Knolls of Mesic Uplands
Other vegetative classification: Forage suitability group not
assigned (G154XB999FL)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Pinellas County, Florida
Survey Area Data: Version 22, Aug 29, 2025





SOILS | 16-31-23-78390-022-0140

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Pomello

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Knolls on marine terraces, Ridges on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser
Down-slope shape: Convex, linear
Across-slope shape: Linear
Other vegetative classification: Sand Pine Scrub (R155XY001FL),
Sandy soils on rises and knolls of mesic uplands
(G155XB131FL)
Hydric soil rating: No

Eaugallie

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: South Florida Flatwoods
(R155XY003FL), Sandy soils on flats of mesic or hydric
lowlands (G155XB141FL)
Hydric soil rating: No

Adamsville

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Knolls on marine terraces, Rises on marine terraces
Landform position (three-dimensional): Tread, rise
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Upland Hardwood Hammock
(R155XY008FL), Sandy soils on rises and knolls of mesic
uplands (G155XB131FL)
Hydric soil rating: No

Apopka

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Ridges on marine terraces, Hills on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Interfluve, side slope, riser
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Longleaf Pine-Turkey Oak Hills
(R155XY002FL), Sandy soils on ridges and dunes of xeric
uplands (G155XB111FL)
Hydric soil rating: No

Cypress lake

Percent of map unit: 1 percent
Landscape: Coastal plains





SOILS | 16-31-23-78390-022-0140

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Landform: Drainageways on marine terraces, Flats on marine terraces
Landform position (three-dimensional): Tread, dip, talf
Down-slope shape: Linear, convex
Across-slope shape: Concave, linear
Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy over loamy soils on flats of hydric or mesic lowlands (G155XB241FL)
Hydric soil rating: Yes

Brynwood

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)
Hydric soil rating: Yes

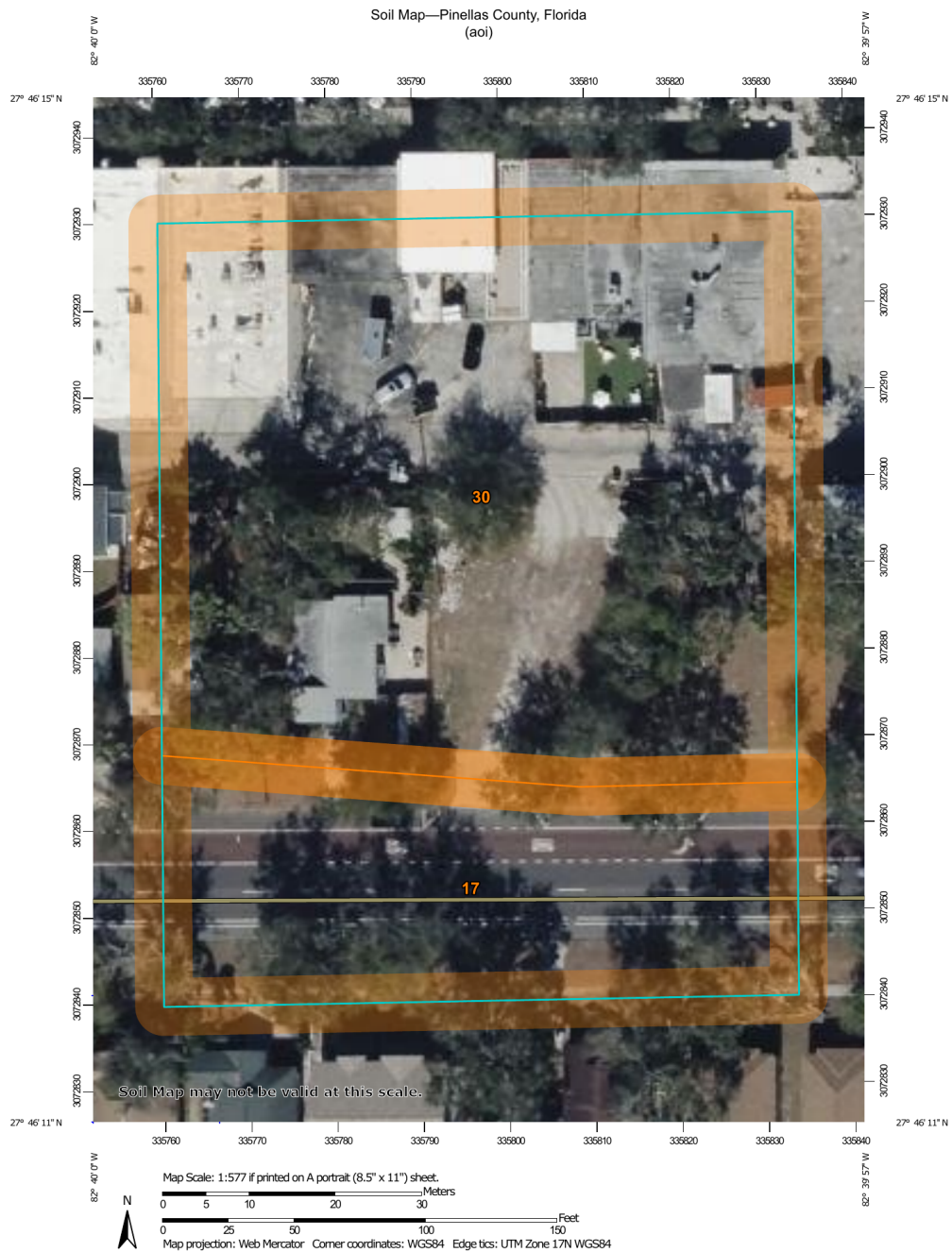
Data Source Information

Soil Survey Area: Pinellas County, Florida
Survey Area Data: Version 22, Aug 29, 2025





SOILS | 16-31-23-78390-022-0130





SOILS | 16-31-23-78390-022-0130

Soil Map—Pinellas County, Florida
(aoi)

MAP LEGEND		MAP INFORMATION
<p>Area of Interest (AOI)</p> <ul style="list-style-type: none"> Area of Interest (AOI) <p>Soils</p> <ul style="list-style-type: none"> Soil Map Unit Polygons Soil Map Unit Lines Soil Map Unit Points <p>Special Point Features</p> <ul style="list-style-type: none"> Blowout Borrow Pit Clay Spot Closed Depression Gravel Pit Gravelly Spot Landfill Lava Flow Marsh or swamp Mine or Quarry Miscellaneous Water Perennial Water Rock Outcrop Saline Spot Sandy Spot Severely Eroded Spot Sinkhole Slide or Slip Sodic Spot 	<ul style="list-style-type: none"> Spoil Area Stony Spot Very Stony Spot Wet Spot Other Special Line Features <p>Water Features</p> <ul style="list-style-type: none"> Streams and Canals <p>Transportation</p> <ul style="list-style-type: none"> Rails Interstate Highways US Routes Major Roads Local Roads <p>Background</p> <ul style="list-style-type: none"> Aerial Photography 	<p>The soil surveys that comprise your AOI were mapped at 1:24,000.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Warning: Soil Map may not be valid at this scale.</p> <p>Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.</p> </div> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Pinellas County, Florida Survey Area Data: Version 22, Aug 29, 2025</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Jan 25, 2025—Feb 23, 2025</p> <p>The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.</p>



SOILS | 16-31-23-78390-022-0130

Soil Map—Pinellas County, Florida

aoi

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
17	Myakka soils and Urban land	0.5	28.7%
30	Urban land, 0 to 2 percent slopes	1.2	71.3%
Totals for Area of Interest		1.6	100.0%





SOILS | 16-31-23-78390-022-0130

Map Unit Description: Myakka soils and Urban land--Pinellas County, Florida

aoi

Pinellas County, Florida

17—Myakka soils and Urban land

Map Unit Setting

National map unit symbol: 134cc
Landscape: Coastal plains
Elevation: 0 to 100 feet
Mean annual precipitation: 48 to 56 inches
Mean annual air temperature: 70 to 77 degrees F
Frost-free period: 335 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Myakka and similar soils: 50 percent
Urban land: 45 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Myakka

Setting

Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy marine deposits

Typical profile

A - 0 to 4 inches: fine sand
E - 4 to 22 inches: fine sand
Bh - 22 to 36 inches: fine sand
C - 36 to 80 inches: fine sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.6 inches)



SOILS | 16-31-23-78390-022-0130

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Pinellas County, Florida

30—Urban land, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2x9fc
Landscape: Coastal plains
Elevation: 0 to 200 feet
Mean annual precipitation: 40 to 68 inches
Mean annual air temperature: 68 to 79 degrees F
Frost-free period: 345 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landscape: Coastal plains
Landform: Flatwoods on marine terraces, Rises on marine terraces, Knolls on marine terraces, Ridges on marine terraces, Hills on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluvium, riser, talus, rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: No parent material

Interpretive groups

Land capability classification (irrigated): None specified
Forage suitability group: Forage suitability group not assigned (G155XB999FL)
Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: Unranked

Minor Components

Matlacha

Percent of map unit: 3 percent
Landscape: Coastal plains
Landform: Flats on marine terraces
Landform position (three-dimensional): Tread, talus
Anthropogenic features: Fills
Down-slope shape: Convex, linear
Across-slope shape: Linear





SOILS | 16-31-23-78390-022-0130

Map Unit Description: Myakka soils and Urban land--Pinellas County, Florida

aoi

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4w

Hydrologic Soil Group: A/D

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Forage suitability group: Forage suitability group not assigned (G154XB999FL)

Other vegetative classification: Forage suitability group not assigned (G154XB999FL)

Hydric soil rating: No

Description of Urban Land

Setting

Landscape: Coastal plains

Landform: Marine terraces

Landform position (three-dimensional): Interfluve, talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: No parent material

Interpretive groups

Land capability classification (irrigated): None specified

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Forage suitability group: Forage suitability group not assigned (G154XB999FL)

Other vegetative classification: Forage suitability group not assigned (G154XB999FL)

Hydric soil rating: Unranked

Minor Components

Adamsville

Percent of map unit: 3 percent

Landscape: Coastal plains

Landform: Knolls on marine terraces, Ridges on marine terraces

Landform position (three-dimensional): Interfluve, talf

Down-slope shape: Convex

Across-slope shape: Linear

Ecological site: F155XY150FL - Sandy Flatwoods and Hammocks on Rises and Knolls of Mesic Uplands

Other vegetative classification: Forage suitability group not assigned (G154XB999FL)

Hydric soil rating: No

Pomello

Percent of map unit: 2 percent

Landscape: Coastal plains

Landform: Rises on marine terraces, Ridges on marine terraces

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear



SOILS | 16-31-23-78390-022-0130

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: No

St. augustine

Percent of map unit: 3 percent
Landscape: Coastal plains
Landform: Marine terraces
Landform position (three-dimensional): Tread, rise
Anthropogenic features: Fills
Down-slope shape: Linear
Across-slope shape: Convex
Other vegetative classification: Forage suitability group not assigned (G155XB999FL)
Hydric soil rating: No

Immokalee

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Riser, talf
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Myakka

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Drainageways on flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf, dip
Down-slope shape: Linear
Across-slope shape: Linear, concave
Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)
Hydric soil rating: No

Paola

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Knolls on marine terraces, Ridges on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser
Down-slope shape: Convex, linear
Across-slope shape: Linear
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G155XB111FL), Sand Pine Scrub (R155XY001FL)
Hydric soil rating: No





SOILS | 16-31-23-78390-022-0130

Map Unit Description: Myakka soils and Urban land--Pinellas County, Florida

aoi

Ecological site: F155XY150FL - Sandy Flatwoods and Hammocks
on Rises and Knolls of Mesic Uplands
Other vegetative classification: Forage suitability group not
assigned (G154XB999FL)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Pinellas County, Florida
Survey Area Data: Version 22, Aug 29, 2025



SOILS | 16-31-23-78390-022-0130

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Pomello

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Knolls on marine terraces, Ridges on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser
Down-slope shape: Convex, linear
Across-slope shape: Linear
Other vegetative classification: Sand Pine Scrub (R155XY001FL),
Sandy soils on rises and knolls of mesic uplands
(G155XB131FL)
Hydric soil rating: No

Eaugallie

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: South Florida Flatwoods
(R155XY003FL), Sandy soils on flats of mesic or hydric
lowlands (G155XB141FL)
Hydric soil rating: No

Adamsville

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Knolls on marine terraces, Rises on marine terraces
Landform position (three-dimensional): Tread, rise
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Upland Hardwood Hammock
(R155XY008FL), Sandy soils on rises and knolls of mesic
uplands (G155XB131FL)
Hydric soil rating: No

Apopka

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Ridges on marine terraces, Hills on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Interfluve, side slope, riser
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Longleaf Pine-Turkey Oak Hills
(R155XY002FL), Sandy soils on ridges and dunes of xeric
uplands (G155XB111FL)
Hydric soil rating: No

Cypress lake

Percent of map unit: 1 percent
Landscape: Coastal plains





SOILS | 16-31-23-78390-022-0130

Map Unit Description: Urban land, 0 to 2 percent slopes--Pinellas County, Florida

aoi

Landform: Drainageways on marine terraces, Flats on marine terraces
Landform position (three-dimensional): Tread, dip, talf
Down-slope shape: Linear, convex
Across-slope shape: Concave, linear
Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy over loamy soils on flats of hydric or mesic lowlands (G155XB241FL)
Hydric soil rating: Yes

Brynwood

Percent of map unit: 1 percent
Landscape: Coastal plains
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Pinellas County, Florida
Survey Area Data: Version 22, Aug 29, 2025

