

ST. PETE TREE MAP: GETTING STARTED GUIDE

St. Pete Tree Map is a tree inventorying tool that's fun, free to the public, and easy to use. Together, we can map our tree canopy and learn valuable information about city-wide species diversity and ecosystem services provided by our trees. With your help, the City will have information needed to manage, maintain, and grow a healthy urban forest.

This reference guide helps you get started with St. Pete Tree Map, tree identification, and measuring tree size. Once you are familiar with the process, it only takes a few minutes to add a tree to the map.

If you have questions, comments, or if you'd like to schedule an in-person training for small groups, email Alexandria.Hancock@stpete.org.

5 REQUIRED INPUTS TO CALCULATE ECO BENEFITS:

1. Tree Species
2. Tree Location
3. Land Use
4. DBH (Diameter at Breast Height)
5. Tree Height

CREATE AN ACCOUNT + SIGN IN

- Visit pg-cloud.com/StPeteFL/ and review the welcome page.
- Scroll down to the "Volunteers" section.
- Click **1 SIGN UP/SIGN IN** ONE USERNAME ALLOWED PER EMAIL. NO PASSWORD NEEDED!
- Enter your email and a username. No password is required.

The screenshot shows the St. Pete Tree Map website. At the top, there are navigation buttons for "St. Pete Urban Trees", "Add a Tree", "Getting Started", and "Ecosystem Benefits". Below this is a "WELCOME TO ST. PETE TREE MAP!" banner with a photo of trees. A text block asks if the user wants to help track ecosystem benefits and provides two steps: 1. Use the "Getting Started" guide, and 2. Scroll down to login. Below this is a section titled "ST. PETE TREES ADDED SO FAR: 28" with "ECO BENEFITS" listed as Energy Savings (\$269), Stormwater Runoff (50,302 gal), Pollutants Removed (29 lb), and Carbon Sequestered (4,963 lb). At the bottom, there is a "VOLUNTEERS" section with three numbered steps: 1. SIGN UP/SIGN IN, 2. ADD TREES, and 3. ST. PETE URBAN FORESTRY.

STEP 1: TREE SPECIES

- Click **2 ADD TREES** ENTER THE TREE'S SPECIES, LOCATION DETAILS, SIZE, AND A PICTURE! VISIT THE GETTING STARTED PAGE FOR MORE INFO.
- Start typing to search for your tree's name. Select the tree's common name from the list.
- Once you select the tree species, click "Plot Tree."

The left screenshot shows the "SPECIES - COMMON NAME" search interface with a list of trees including Live oak, Bismarckia palm, Longleaf pine, Date palm, Laurel oak, Common crapemyrtle, Avocado, Elm, Acacia, Acacia amarilla, American elm, American hornbeam, American sycamore, and Arborvitae. The right screenshot shows the "Add Trees" screen with a "Plot Your Trees" button and instructions to select a species and click "Plot tree" and "Done Plotting".

TREE IDENTIFICATION RESOURCES

Arbor Day Foundation's [What Tree Is That](#) field guide is a step-by-step illustrated tool (digital and print versions) to help you identify your tree's species.



Watch Pinellas County's UF-IFAS Extension video series ["This or That?"](#) to learn differences between common local species, like the Live Oak and Laurel Oak.

Check your skills with these fun + easy phone apps:



[Trees of North and Central Florida](#)
Created by University of Florida, the app walks you through the tree ID process. Lots of tree info and definitions included!



[Picture This - Botanist in Your Pocket](#)
Instantly identify 99% of common plants, flowers, and trees just by taking a picture.

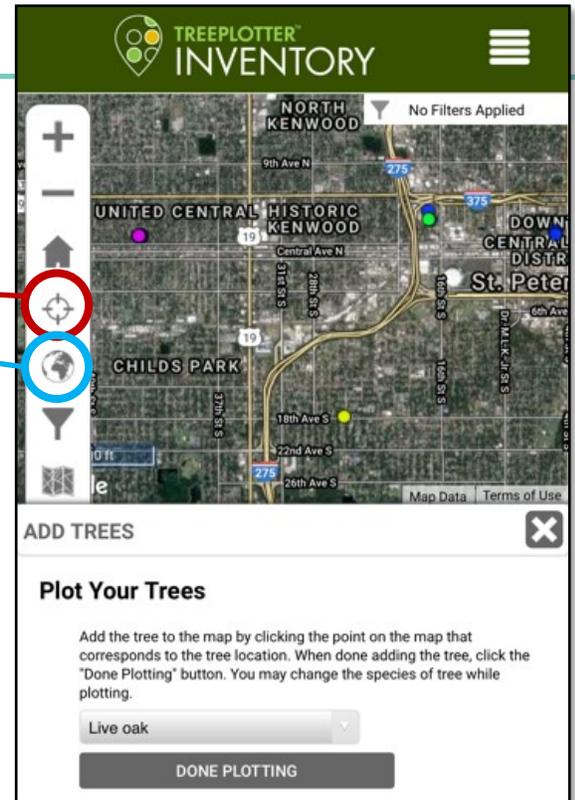
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STEP 2: TREE LOCATION

Next, you'll pick the tree's location. There are a couple of options for finding the location of your tree:

- GPS:** Allow your device's GPS to locate your current position
- Address Locator:** type in the closest address to the tree
- Map:** If you know the location, you can just zoom in and pan to the spot on the map

Tap on the map to place a dot for your tree.

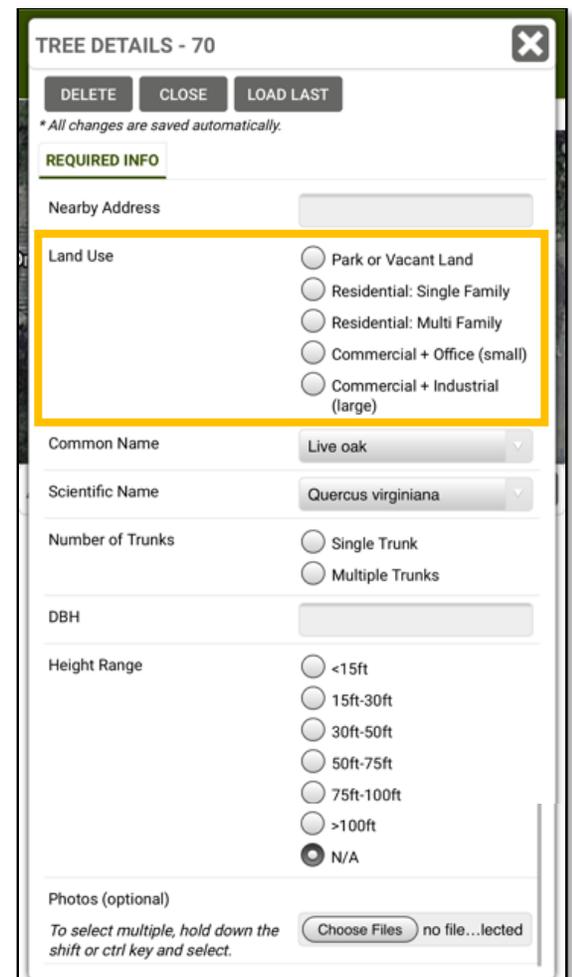


STEP 3: LAND USE

All tree details are entered on this window. Some fields will be auto-filled based on information you already provided. This window automatically saves your work from this point on (you can click the X or "close" to exit this menu and see your tree). You can delete your own trees at any time.

Select the type of property that the tree is on:

- Park or Vacant Land
- Residential: Single Family
- Residential: Multi Family
- Commercial + Office (small)
- Commercial + Industrial (large)



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STEP 4: DBH (DIAMETER AT BREAST HEIGHT)

- Select whether the tree has one trunk (like a Live oak), or multiple trunks (like a Crapemyrtle). If the tree has multiple trunks, you'll measure and record the DBH for each trunk. The program will add those together for you.
- DBH is measured 4.5 feet off the ground. Use a yard stick or tape measure to record how wide the tree is, in inches. Try to keep your measuring device as straight as possible so it doesn't wrap around the tree at all.
- Another way to get DBH is to measure the circumference and then calculate for diameter (see below).



TREE DETAILS - 70

DELETE CLOSE LOAD LAST

* All changes are saved automatically.

REQUIRED INFO

Nearby Address

Land Use Park or Vacant Land
 Residential: Single Family
 Residential: Multi Family
 Commercial + Office (small)
 Commercial + Industrial (large)

Common Name

Scientific Name

Number of Trunks Single Trunk
 Multiple Trunks

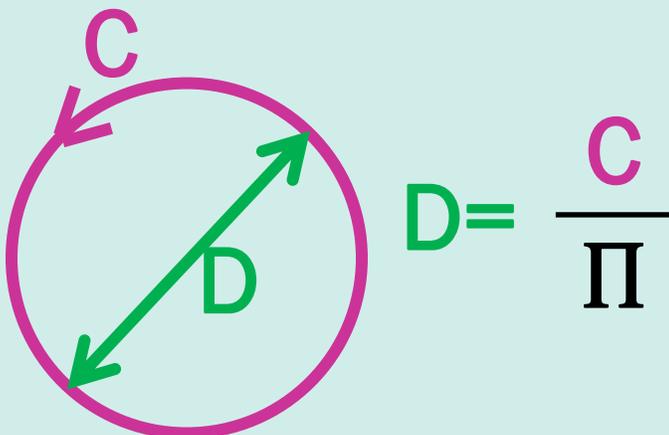
DBH

Height Range <15ft
 15ft-30ft
 30ft-50ft
 50ft-75ft
 75ft-100ft
 >100ft
 N/A

Photos (optional)
To select multiple, hold down the shift or ctrl key and select. no file...lected

CALCULATING DIAMETER FROM CIRCUMFERENCE

- To measure a tree's circumference, wrap a tape measure all the way around the tree, 4.5 feet off the ground.
- Use $D = C/\pi$ to calculate the diameter (diameter = circumference / pi).
- Watch this [video made by Keep Pinellas Beautiful](#) to see a one-minute demo. Skip to 4:15 -5:15.



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STEP 5: TREE HEIGHT

Tree height ranges are provided, please select your best estimate:

- < 15ft
- 15ft - 30ft
- 30ft - 50ft
- 50ft - 75ft
- 75ft - 100ft
- > 100ft

Learn how to measure a tree's height using a stick as reference!

[Watch this video made by Keep Pinellas Beautiful](#) for a one-minute demo. Skip to 5:15 - 6:15.

A screenshot of the "TREE DETAILS - 70" form. The form includes fields for "Nearby Address", "Land Use" (with radio buttons for Park or Vacant Land, Residential: Single Family, Residential: Multi Family, Commercial + Office (small), and Commercial + Industrial (large)), "Common Name" (set to Live oak), "Scientific Name" (set to Quercus virginiana), "Number of Trunks" (with radio buttons for Single Trunk and Multiple Trunks), and "DBH". The "Height Range" section is highlighted with a yellow box and contains radio buttons for <15ft, 15ft-30ft, 30ft-50ft, 50ft-75ft, 75ft-100ft, >100ft, and N/A (which is selected). Below the form are "Photos (optional)" instructions and a "Choose Files" button.

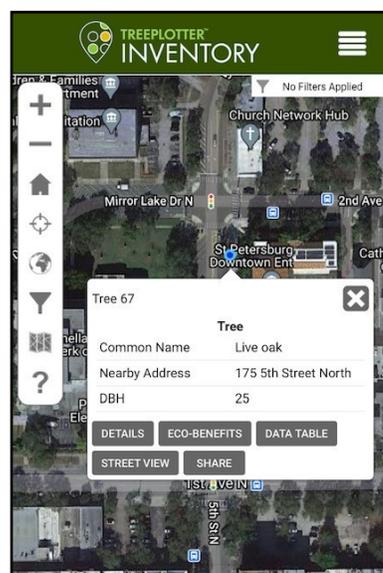
REVIEW YOUR TREE'S ECO BENEFITS

Congratulations, you just added a tree to St. Pete Tree Map!

Now that you've completed each step, you can see the eco benefits provided by your tree.

- Click on your tree
- Click the "Eco-Benefits" button

Keep adding trees! Email us if you have questions: Alexandria.Hancock@stpete.org



Stormwater
Runoff Diverted



Energy
Saved



Air Quality
Pollutants Removed



Carbon Stored,
Sequestered,
Avoided