

Tree Mapping Tips -- OpenTreeMap 2020



After You Have Your OTM User Account Set Up, And Have A Tree Species ID Guidebook On Hand, Here Are Some Helpful Steps To Get You Mapping!

Before you get started, note there are some fields that are REQUIRED and some fields that are CONDITIONAL, the rest of the fields YOU DON'T HAVE TO WORRY ABOUT !

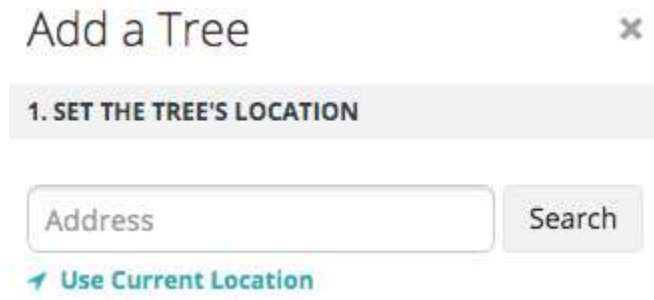
Required Fields* - Location, Photos, Species, Circumference (Diameter is auto-populated), Tree Height, Canopy Height, Condition (Required Fields have asterisks 😊)

Conditional Fields - Empty Site (Tree Pit), Add Another Trunk, JC Forester Roots / Sidewalk and JC Forester Canopy / Powerlines, Tree Stewardship, Planting Site (MUST for all Street Trees, not so for Park Trees without permanent framed pits), Tree Pit Concreted Over

ADD A TREE Section of the App

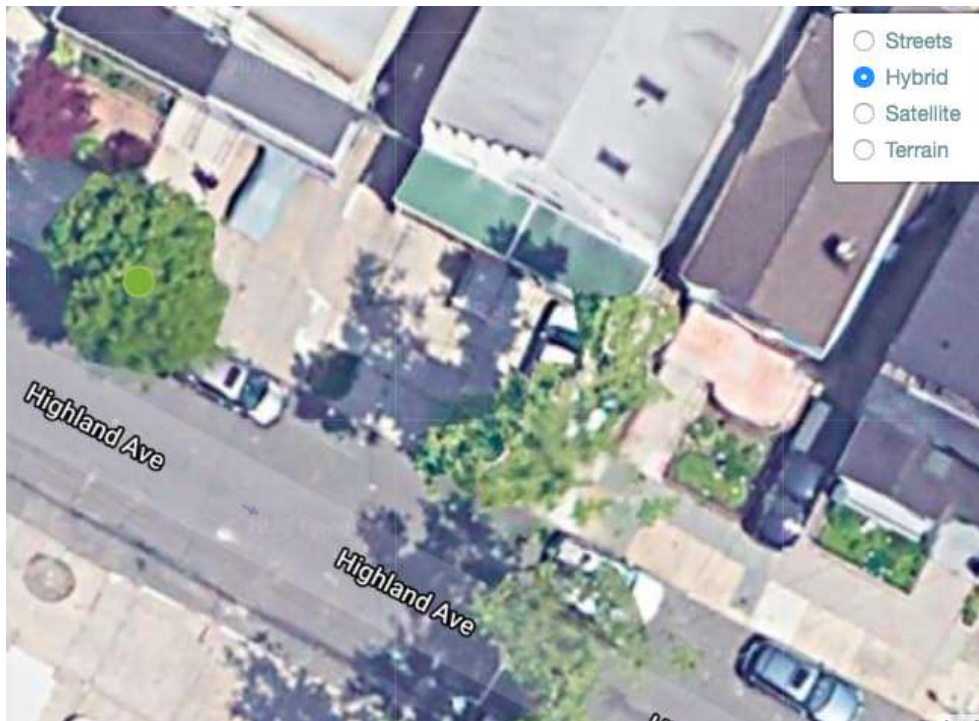
Step 1: Add a Tree

1. Enter the address of the Tree you have chosen. Click “add” and place the cursor directly in the middle of the Tree pin crown that is floating on the screen so you can drag it into place precisely.



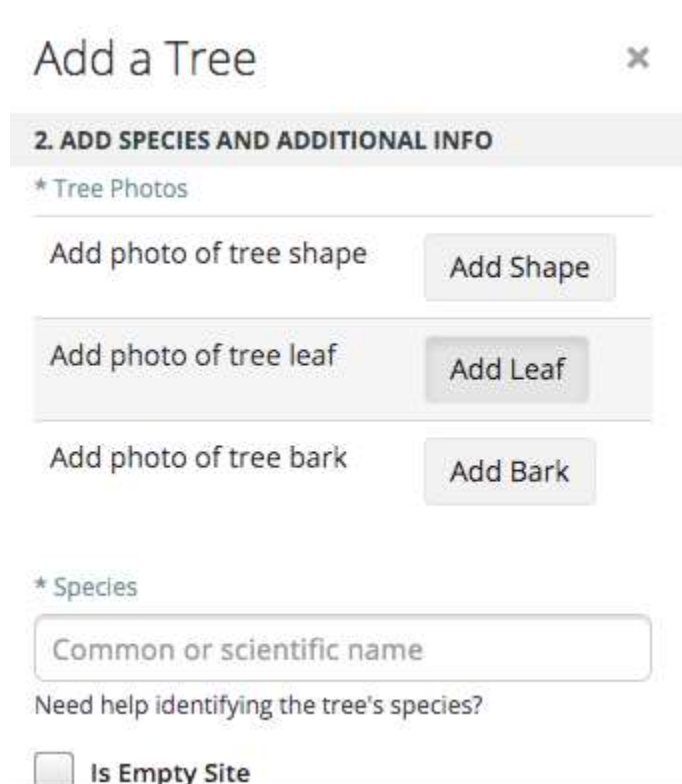
The screenshot shows the 'Add a Tree' app interface. At the top, there is a title 'Add a Tree' with a close button (X) on the right. Below the title is a section header '1. SET THE TREE'S LOCATION'. Underneath, there is a text input field labeled 'Address' and a 'Search' button to its right. Below the input field is a link that says 'Use Current Location' with a location pin icon.

2. When adding a Tree on the map, always use the HYBRID VIEW - as it combines the base map (useful for identifying streets and buildings) with the satellite imagery (important for easily locating the canopy of a Tree you are attempting to map so you can pinpoint its location)
3. Move the Tree pin exactly to the center of the canopy circle / Tree location. In Hybrid view, if its a healthy tree, you can see the top of the tree canopy.



Step 2: Take 3 Photos To Send To iNaturalist 🍌

4. Take a photo of the Leaf, Trunk/Bark, and the Tree Shape / Silhouette. This will help to validate the species you select from the pulldown menu in the Step 3, or choose the correct species from the iNaturalist.org Jersey City Project on that Citizen Scientist site. (We have created a link between the the SJC OpenTreeMap platform and the iNaturalist platform to help support our Citizen Scientist Tree Mappers learn about and identify Tree Species.)



The screenshot shows a web form titled "Add a Tree" with a close button (X) in the top right corner. The form is divided into sections. The first section is "2. ADD SPECIES AND ADDITIONAL INFO". Under this section, there is a sub-section "* Tree Photos" which contains three rows of input fields and buttons: "Add photo of tree shape" with an "Add Shape" button, "Add photo of tree leaf" with an "Add Leaf" button, and "Add photo of tree bark" with an "Add Bark" button. Below the photo section is a sub-section "* Species" which contains a text input field with the placeholder text "Common or scientific name" and a link "Need help identifying the tree's species?". At the bottom of the form is a checkbox labeled "Is Empty Site".

Make sure your photos are clear. For the silhouette make sure to get the entire tree as well as a background object such as a house or building to estimate height. Remember 1 floor is estimated 10 feet



Leaves are vital to Tree identification. The photo can either be on the leaf on the branch or one you found on the ground, just be sure the leaf is the same as those on the Tree! And please remember not to pick leaves off the Tree!



The Trunk / Bark is the outermost layer of the Tree. It acts as a protective skin-like barrier that protects the tree from the surrounding environment. There are various types of bark such as smooth, rough, or peeling.



Crown/ Canopy is defined as an individual tree's branches and leaves. When you take this photo be sure to get all of the crown / canopy in the shot! The shape of the crown / canopy can help with identification, health status, etc.

Add a Tree ✕

2. ADD SPECIES AND ADDITIONAL INFO

* Tree Photos

Add photo of tree shape Add Shape

Add photo of tree leaf Add Leaf

Add photo of tree bark Add Bark

* Species

Need help identifying the tree's species?

Is Empty Site

Step 3: See the Species ID Pulldown Menu (see above)

Select your best guess from what you learned from Naturalist Ray Baylon in the Citizen Scientist Tree Mapper Training as quick tips – leaves, branch configuration, bark, Tree shape, and of course, YOUR GUIDEBOOK.

NOTE: Conditional Field – if you come upon an Empty Tree Pit Site where there is NO TREE, please check this box. We are mapping ALL Empty Tree Pit Sites in Jersey City, so we can create a report for the JC Urban Forester ! The next project is to get all these Empty Tree Pit Sites PLANTED 😊

Step 4: Enter the Tree’s Circumference Using a Tape Measure, the Diameter will automatically populate that field. (see below)

NOTE: Conditional Field – Enter Additional Trunk Circumference if there is an additional trunk.

* Trunk Diameter

Diameter	Circumference
<input type="text"/> in	<input type="text"/> in
Add another trunk?	

Here we are taking DBH, or diameter at breast height. To take circumference measure 4.5 ft above the grove, this should be about breast hight. Now take your measuring tape and wrap it around the trunk of the tree. When your input the circumference it will automatically calculate the diameter for you.

TREE INFORMATION Section of the App

Step 5: Tree Height, Canopy Height, Condition, JC Forester Contact Fields, Planting Site Width & Length and Tree Stewardship (see below)


Enter **Tree Height** and **Tree Canopy Height**. Tree Canopy Height is the distance from where the leaves / branches begin above the trunk to the top of the Tree.

Tree Information

* Tree Height	<input type="text"/>	ft
* Canopy Height	<input type="text"/>	ft
Date Planted	<input type="text"/>	
Date Removed	<input type="text"/>	
* Condition	<input type="text"/>	


For the **Condition of the Tree**, you can indicate as Healthy, Unhealthy, or Dead.

Condition	<input type="text"/>
Contact JC Forester	<input type="text"/>



If there are any issues with the Tree such as its Canopy is pushing against Power Lines or its Roots are lifting Sidewalks in the walkway side – this field is to indicate a report should be sent to the JC Forester for special attention to the matter. **[Note: this is a Conditional Field – on a scale of 1- 3 only notify the JC Forester if the issue is a 3 !]**

JC Forester - Roots Sidewalk Issue	<input type="text"/>
JC Forester - Canopy Power Lines Issue	<input type="text"/>



Next is the **Planting Site information**. Take your measuring tapes out and measure the width and length of the planting site.

* Planting Site Width	<input type="text"/>	in
* Planting Site Length	<input type="text"/>	in

Lastly is the **Tree Stewardship** section. Here you can input if you watered, cleaned up litter, or mulched the tree your mapping!

Tree Stewardship

Action	Date
Cleared of Trash or Di	Today
	+

Step 6 : Finalize Your Tree Inventory Record

Your last step is to finalize your Tree Inventory Record. Be sure to double-check that all the data you entered is correct before hitting done! Congrats, you've successfully mapped a Tree 👍

3. FINALIZE THIS TREE

Nearby Address

After I add this tree...

- Add another tree with these details
- Add another tree with new details
- Continue editing this tree
- I'm done!