

Exceptional Tree Map Volunteer Instructions

Things You Will Need

- 1) TOC Exceptional Tree Mapping Data Collection Form.
- 2) iPhone with Compass App and Timber App.
- 3) Flexible Tape Measure.

TOC Data Collection Form

Please be sure to fill out all blank sections of the form including your:

- Name.
- Email.
- Date.
- Height of the tree.
- Circumference of the tree.
- Condition of the tree.
- Current coordinate/geographic location of the tree (latitude & longitude).
- Any additional info that may be relevant to the specific tree being observed.

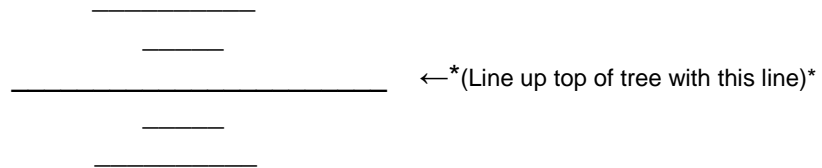
Obtaining the Geographic Coordinates of a Tree (On an iPhone)

- 1) First click on the **“Settings”** icon on your iPhone’s home screen.
- 2) Next click on **“Privacy”**.
- 3) Then click on **“Location Services”**.
- 4) Next **“Compass”** from the list.
- 5) Choose **“While Using the App”**.
- 6) Your phone is now set up to obtain your current Geographical Coordinates.
- 7) To do this go back to the home menu.
- 8) Click on the **“Compass”** App that is pre-installed into all iPhones with the newest operating system.
- 9) If it is your first time using the **“Compass”** app, you will be asked to spin the phone around in circles in order to calibrate the phones internal compass. Follow the on screen instructions at this point.

- 10) Once calibrated the Geographic Coordinates will be displayed along the bottom of the screen. An example of this would be: “21,17’,40” N, 157,50’29’ W”.
- 11) Record these values on your data collection sheet under the “New Coordinates” column.

Obtaining the Height of a Tree

- 1) To obtain the height of a tree, go to the App Store by clicking the “App Store” icon on your iPhones home screen.
- 2) In the App store, search for “Tree Height”.
- 3) You will want the app called “Tinder” and should be the third app that appears.
- 4) Purchase the app **using the TOC Redemption Code**.
- 5) Once the app is installed, open it from your iPhone’s home screen.
- 6) Once in the app, where for the number beside “iPhone Height =” input your height in the box. For example, if you are 5’8” the number you would input would be 5.8.
- 7) Walk to the base of the tree and press the “Set Tree Position”.
- 8) Next, walk away from the tree (try to be at least 20-30 feet away).
- 9) Then, place the top of the tree/tree canopy along **middle line** of the crosshairs which should look something like this:



- 10) The numbers in **Red** that appear above the crosshairs indicate the height of the tree.
- 11) Please record this height value on your data collection sheet.
 Note- All height values should be recorded in **feet (ft)**.

Obtaining the Circumference of a Tree

- 1) In order to obtain this value, please pair up with another Exceptional Tree Map data collector.
- 2) Take your flexible tape measure and place the end marked “0” on the largest part of the tree trunk. While person A holds the tape measure on this location, person B will walk around the tree trunk until they are back at person A.
- 3) To get the most accurate measurement, please have the tape measure extend past the initial “0” value.
- 4) The number that lines up with the “0” location is the circumference of the tree.

For example, the circumference of the tree in the image below is 30ft:



- 5) Please record the value on your data collection sheet.

Note- Please record the circumference value in **inches (in)**, **feet (ft)** or a combination **of the two**.

Determining the Condition of a Tree

- 1) Look to see if the tree trunk is healthy (No large holes, colour disfiguration, etc..)
- 2) Observe for any leaves, flowers or fruit. Do any of these appear to be “browning” or “dying”? *Note*- It is important to realize that depending on the time of year, a tree may have no leaves, flowers or fruit and may appear to be in poor condition but this is merely the time when it has shed its leaves and is producing more.
- 3) Please record if the tree is in **Excellent**, **Good**, **Fair** or **Poor** condition. If the tree is dead or no longer at the current location please indicate this. All of this data should be inputted into the **“Condition”** box on the data collection sheet.

Submitting the Data Collection Form

- 1) Once all of the data has been collected, either on a hard copy print out, or on an electronic device, please fill out the data collection sheet on a computer or other electronic device and email to outdoorcirtreemap@gmail.com
- 2) At this point, head office will input the data into the Exceptional Tree Map database.

Thank you for your help!