i-Tree Landscape Instructions

What is i-Tree?

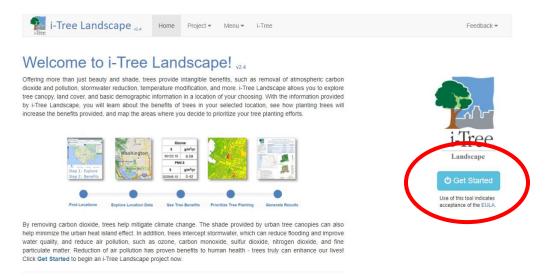
i-Tree is a suite of software developed by the U.S. Forest Service to calculate environmental benefits of trees and other information.

What is i-Tree Landscape?

i-Tree Landscape is a browser-based program with which a user can gauge tree cover at different spatial scales and allow users to prioritize planting locations based on different criteria (such as finding where there is low canopy and high poverty).

Let's Get Started

Step 1: Read the description of the program and click "Get Started"



Step 2: Type your desired location in the address box or use the zoom buttons on the left to navigate to your location of interest. TIP: change what you see on the map by exploring the map layer tabs.

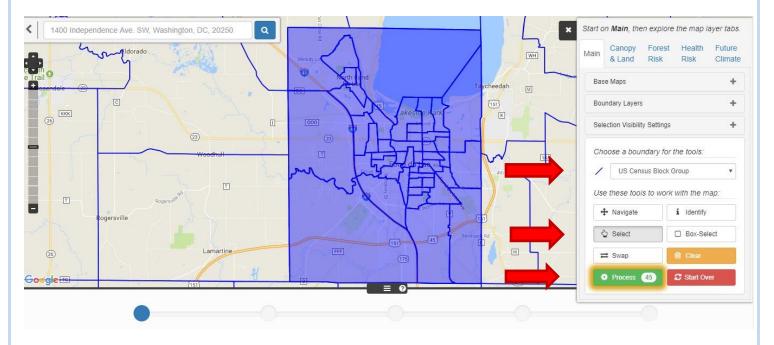




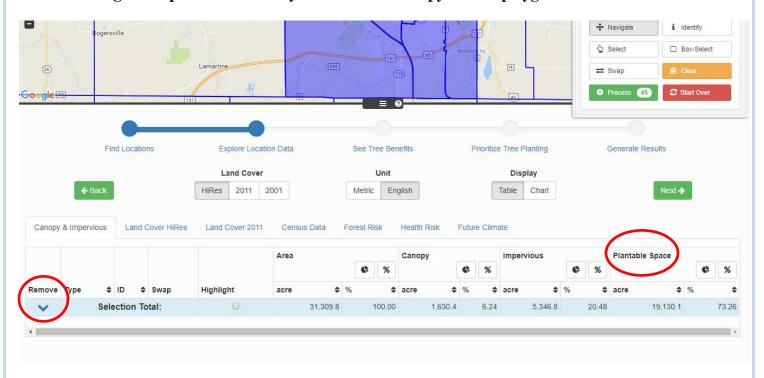
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Step 3: Choose your boundary layer* for your tree canopy. Then select your polygons of interest with the "Select" or "Box Select" buttons. Once your areas have been selected, press "Process".

*Census block groups are currently the smallest unit of geography available for i-Tree Landscape analysis.

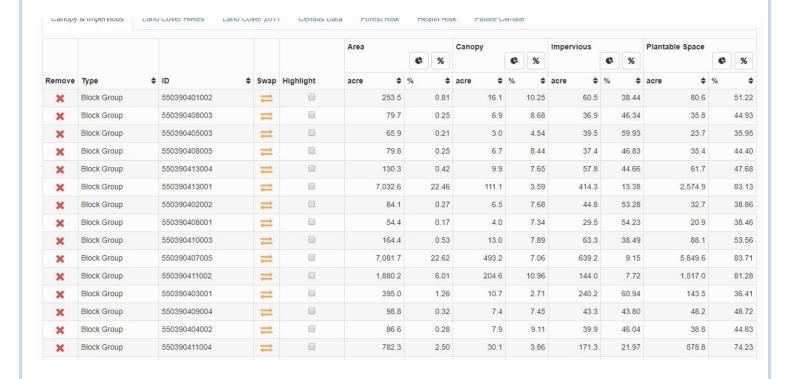


Step 4: Scroll down to see a general breakdown of the land within your selected areas. "Plantable Space" is any land that is not already forested and not impervious material (like a house or street). Click the inverted triangle to expand the table so you can see the canopy of each polygon.

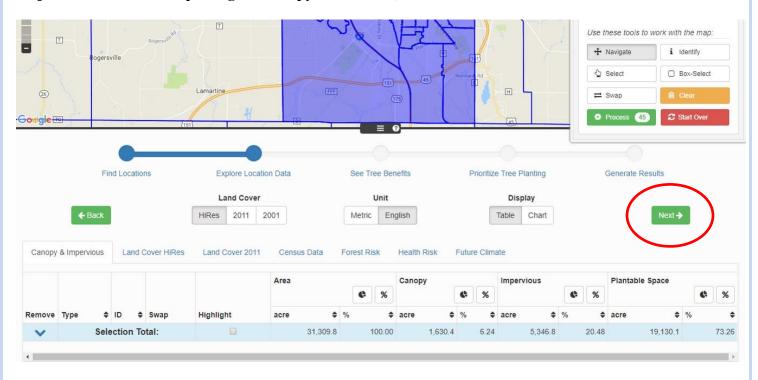




Step 5: You have calculated the canopy breakdown of each selected polygon.



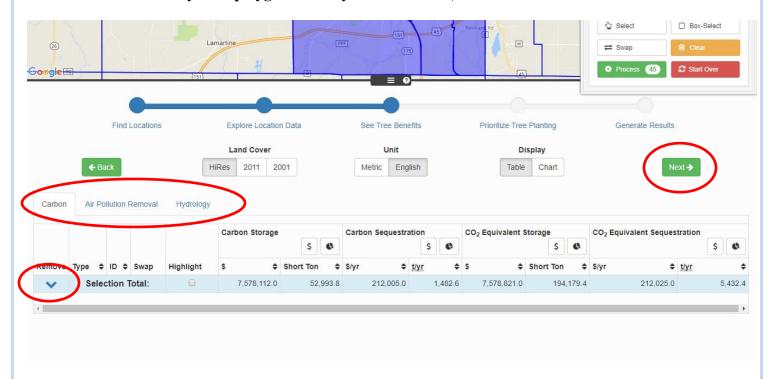
Step 6: When finished exploring the canopy breakdown, select "Next".



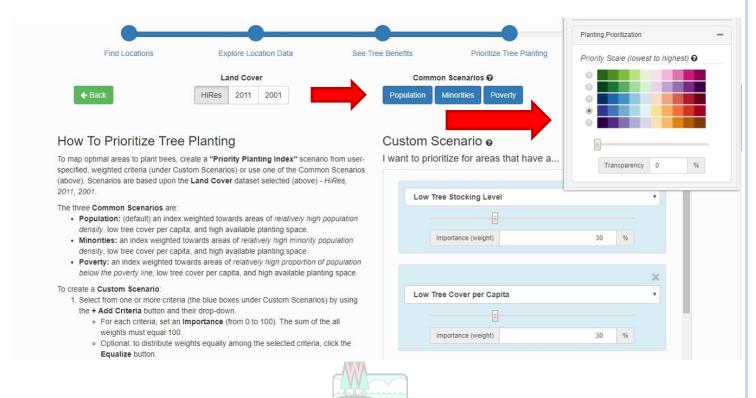


Step 7: You have no calculated environmental benefits of the forest canopy within your area of interest. Select different tabs to see different sets of benefits (you can select

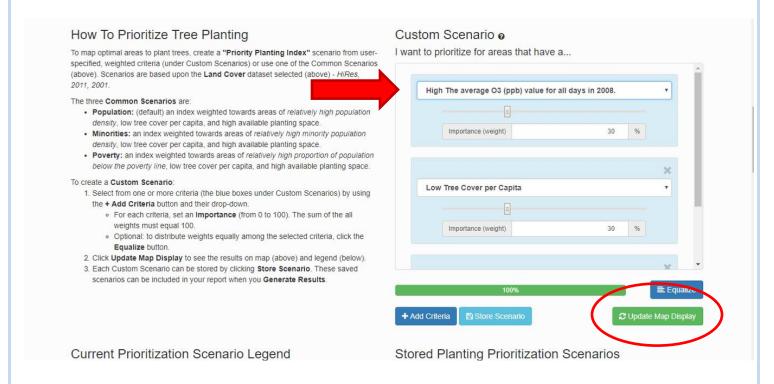
Carbon, Air Pollution Removal and Hydrology). You can again click the inverted arrow to see the benefits broken down by each polygon. When you are finished, click "Next".



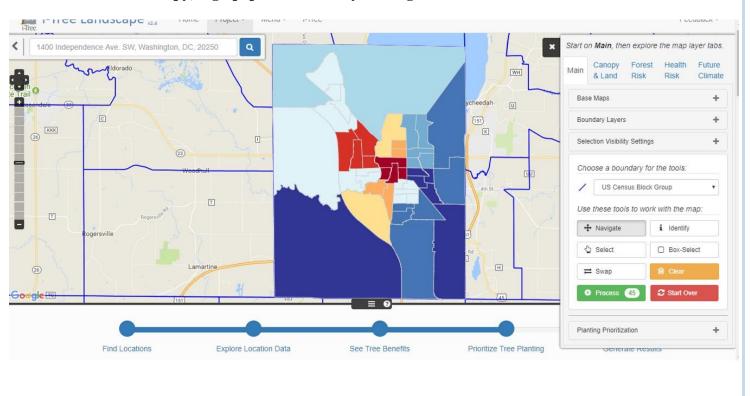
Step 8: In this section, you can set priorities for tree planting locations. What this entails is selecting different sets of information to guide your planting decisions. For example, you can seek areas that have high population density, low tree canopy and high levels of ozone pollution. First, select a color scheme. Next, you can click a "Common Scenario" to produce a commonly sought set of information (like high density, low canopy, high planting space availability).



Step 9: Instead of a common search, you can customize the scenario. In the example below, high ozone was selected as a layer of information to help prioritize planting location. Each time the scenario changes, click "Update Map Display" for the map to reflect your changes.



Step 10: The map reflects the updated scenario, showing areas of Fond du Lac (in red) where there is a balance of low tree canopy, high population density and high ozone levels.

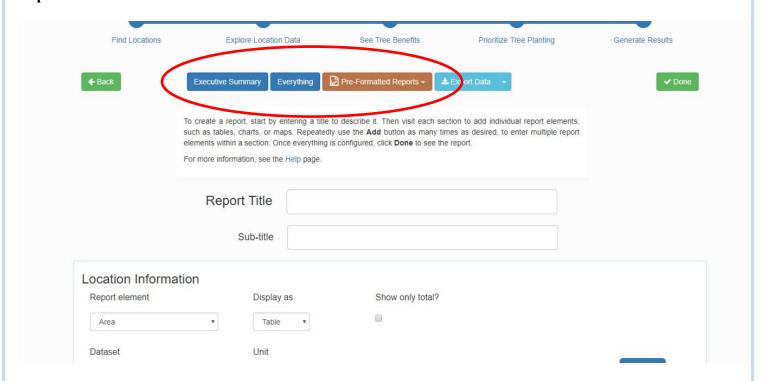




Step 11: Click "Next" to move on to create reports. Use these tools to work with the map: T + Navigate i Identify Select ☐ Box-Select H -Google -Planting Prioritization Explore Location Data Find Locations See Tree Benefits Prioritize Tree Planting Land Cover Common Scenarios @ 2011 2001 Minorities How To Prioritize Tree Planting Custom Scenario @ I want to prioritize for areas that have a... To map optimal areas to plant trees, create a "Priority Planting Index" scenario from userspecified, weighted criteria (under Custom Scenarios) or use one of the Common Scenarios (above). Scenarios are based upon the Land Cover dataset selected (above) - HiRes, 2011, 2001. High The average O3 (ppb) value for all days in 2008. The three Common Scenarios are:

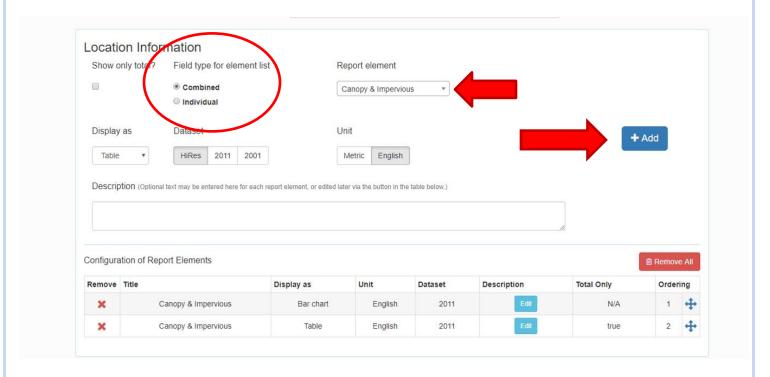
Step 12: Navigate through and fill out information for the report generator. If you want to use a common report structure, click "Executive Summary", "Everything" or one of the options within "Pre-Formatted Reports".

 Population: (default) an index weighted towards areas of relatively high population density, low tree cover per capita, and high available planting space.





Step 13: If you want to customize the report, scroll down to the different sections (Location Information, Tree Benefits, Planting Prioritization). When in a section, select "Combined" if you want data related to a certain dataset (e.g. "Canopy and Impervious"). Select "Individual" if you are just interested in one piece of information rather than it lumped together (e.g. only interested in the acreage of tree canopy). You then select your information of choice under "Report element". When those and other criteria are selected, choose "Add".



Step 14: Then scroll back up to the top and select "Done" to produce a report.

Find Locations	Explore Location Data	See Tree Benefits	Prioritize Tree Planting	Generate Results
← Back	Executive Summary Everythin	Pre-Formatted Reports •	≛ Export Data →	✓ Done
	To create a report, start by entering a title to describe it. Then visit each section to add individual report elements, such as tables, charts, or maps. Repeatedly use the Add button as many times as desired, to enter multiple report elements within a section. Once everything is configured, click Done to see the report. For more information, see the Help page.			
	Report Title			
	Sub-title			
Location Informa	ation	227 1 2 2 3 3 3		
Location Informa Report element		Show only total	?	



Step 15: Copy and paste the report into a spreadsheet or word document.

