

Analysis of Washington Township's Urban Tree Canopy

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Introduction

Washington Township is located in the north central region of Marion county.

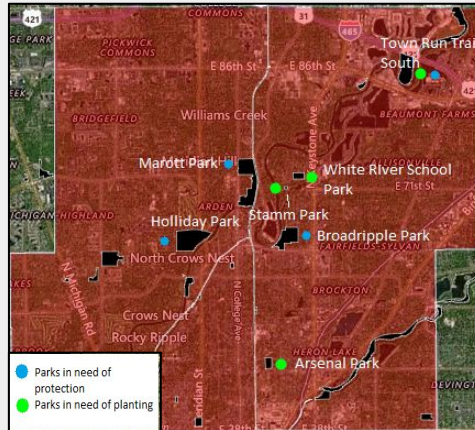
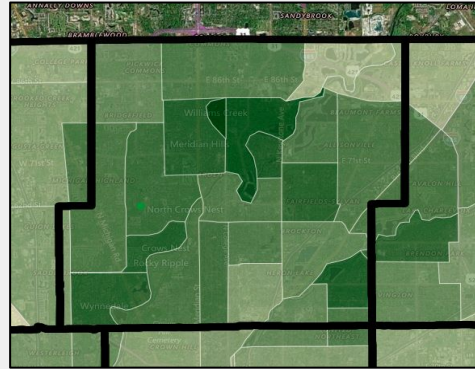
- Population is roughly 136,000
- Overall tree canopy cover is approximately 51%
- Ranked #1 for tree canopy cover in the entire Marion county region.

Rankings of Data Layers

1. Water Quality
2. Energy Savings
3. Stormwater Reduction
4. Possible UTC
5. Vulnerable Populations
6. Low Economic Vitality
7. Low Existing TC
8. Air Quality
9. Public Realm Assists
10. Urban Heat Island Effect

Recommendations for KIB Tree Canopy Planner

Allow for multiple geography tools engaged at one time. This would allow a user to view things like census blocks around a park of interest at the same time. Instead of toggling between the different data layers. This would also be helpful so that if someone was interested in one township they could have the township defined while they look at other data layer.



Areas in Need of Protection

All of these parks are located on or near the water. Having high canopy cover here would allow for the water to be protected from runoff and other spills. High canopy cover would also decrease the chances of flooding and decrease the likelihood of erosion on the banks of the rivers and lakes.

- Broad Ripple Park (58%)
- Marott Park (94%)
- Holliday Park (77%)
- Town Run Trail Park South (36%)
- Williams Creek Watershed (60%)

Planting Areas

These are the areas we felt needed new planting due to their low canopy coverage.

- Keystone at the Crossing Neighborhood (22%)
- Town Run Trail Park South (36%)
- White River School Park (14%)
- Stamm Park (15%)
- Arsenal Park (33%)

Work Cited

O'Neil-Dunne, Jarlath. "Tree Canopy Report: Indianapolis-Marion County, IN." *University of Vermont Spatial Analysis Lab* (2015): 1-3. Web. 17 Apr. 2017.