# **i-Tree Open Academy** *Summer 2023*

### **Session 3: The View From The Top**

Assessing canopy cover with i-Tree Canopy and OurTrees

### August 16, 2023 1:00pm Eastern Time Davey Institute/USDA Forest Service











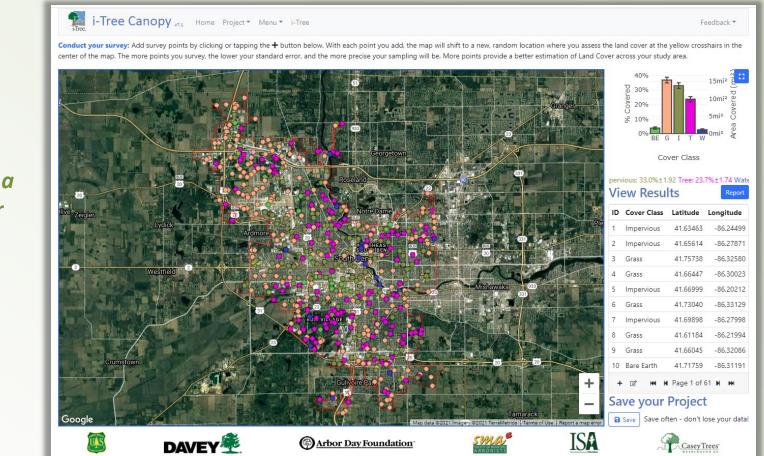




### **Defining Canopy Assets**

# i-Tree Canopy

Combining the magic of Google with US Forest Service science



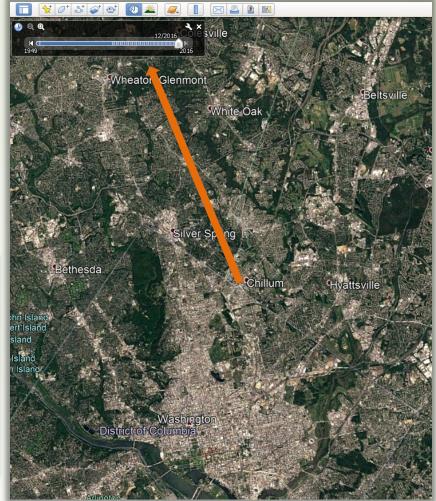


There's a map for that...

# **Canopy Change Survey**

- Utilizes Google Earth Pro to evaluate trends and projects with historic images
  - Free to download
  - Canopy points to KML
  - Capture changes to your sample over time

•	Land Use	2005	2016
•	Tree	23.0%	23.7% <b>(+)</b>
•	Impervious	32.1	33.0 <b>(+)</b>
•	Grass	38.4	36.8 <b>(-)</b>
•	Bare Ground	4.33	3.83 (-)
•	Water	2.16	2.67 <b>(+)</b>



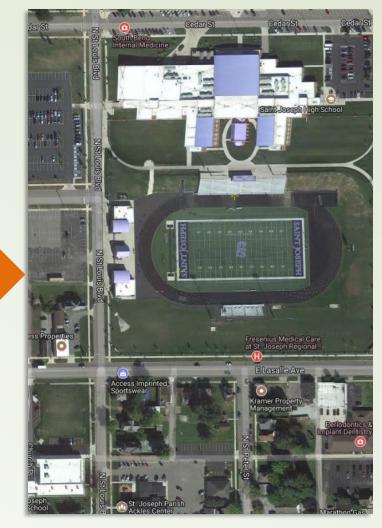


### **Canopy Change Over Time**

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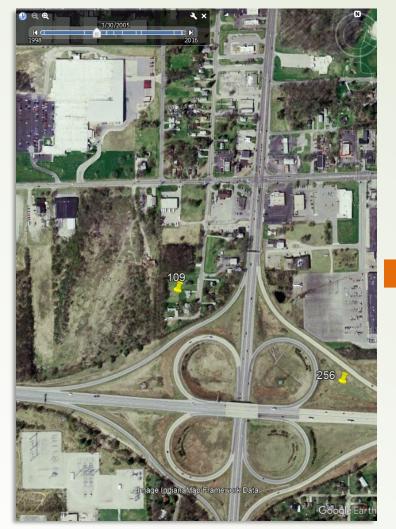
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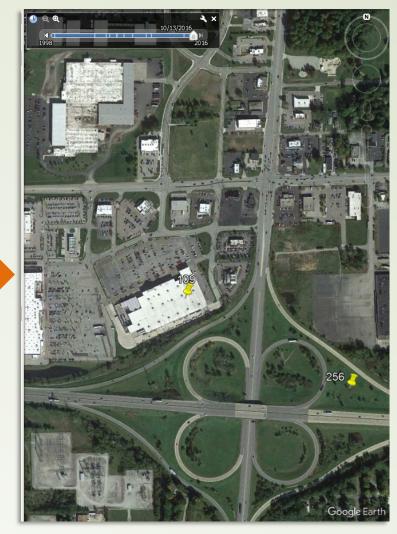


# **Canopy Change Over Time**

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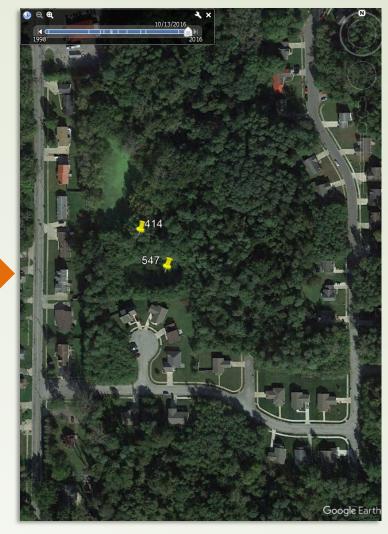


# **Canopy Change Over Time**

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# **Canopy – Now What?**

- What you know powers the way forward
  - What You Have, Where You Have It
- Even subtle changes can be meaningful
- Stormwater 
  → Impervious just as important as Canopy
- Changes can drive conversations with communities and policy makers
  - Opportunities for engagement, stewardship, and resource management
- Strategies that can build resilience for both trees and neighborhoods

