





#### Statewide Green Infrastructure Inventory

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Improving our water resources with collaboration and innovation



### **Inventory Initiatives**

- Agricultural Conservation Practice Inventory (in progress)
- Green Stormwater Infrastructure Inventory (proposed)



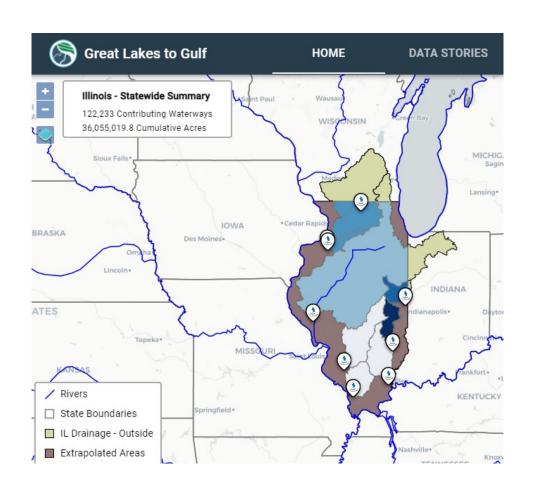
Photo: CREP Wetland Michelle Bloomquist



Photo: Urbana Park District Wetland C. Eliana Brown



## Tracking Agricultural Conservation



#### **Ongoing efforts**

Partner with the Great Lakes to Gulf Virtual Observatory

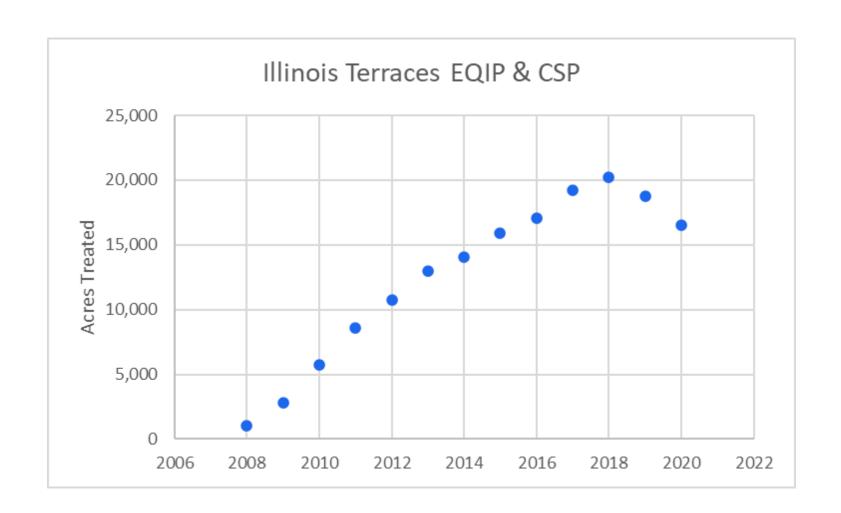
- Online conservation practice viewer
- Online data entry portal

Add NEW conservation practices to inventory

- Terraces: 40% P reduction in non-tiled fields
- Saturated Buffers: 40% Nitrate-N reduction

Evaluation of new data sources

### Tracking Agricultural Conservation: Initial Look

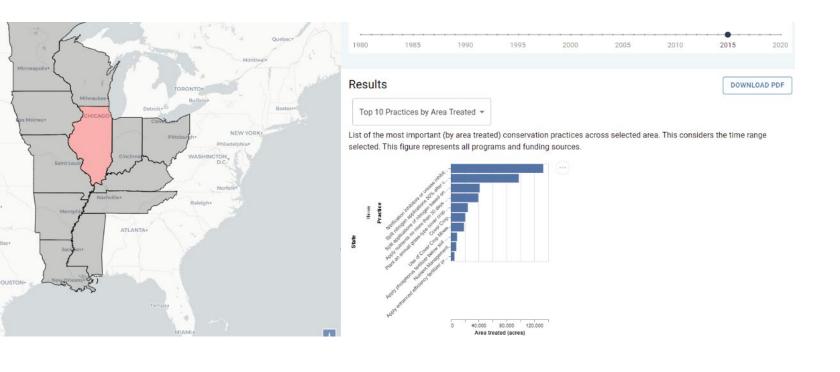


#### **Terraces**

- NRCS practice life: 10 years
- 60 to 65 linear feet treat an acre
- ~1.4 million feet of terraces since 2008 (EQIP and CSP)



### Tracking Agricultural Conservation: Initial Look



#### **Developing data reports**

- Top practices
- Funding
- Area treated
- Practice counts



## Tracking Green Infrastructure: background

In 2018, USWG began discussing a statewide Green Infrastructure (GI) Inventory as an appropriate way to measure Illinois' urban stormwater practice implementation for NLRS.









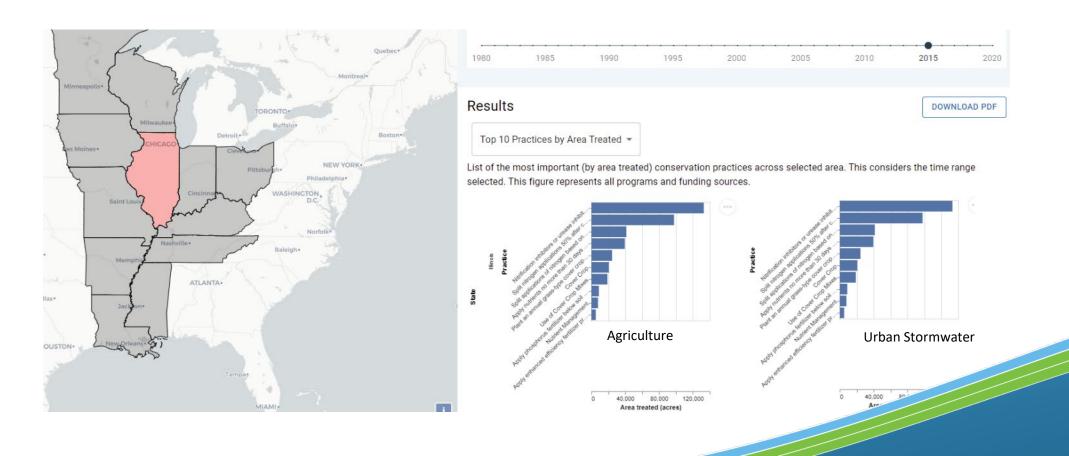


Photos, clockwise, from top left: stormwater pond, green roof, permeable pavers, stormwater wetland, and rain garden. C. Eliana Brown



### How can it be accomplished?

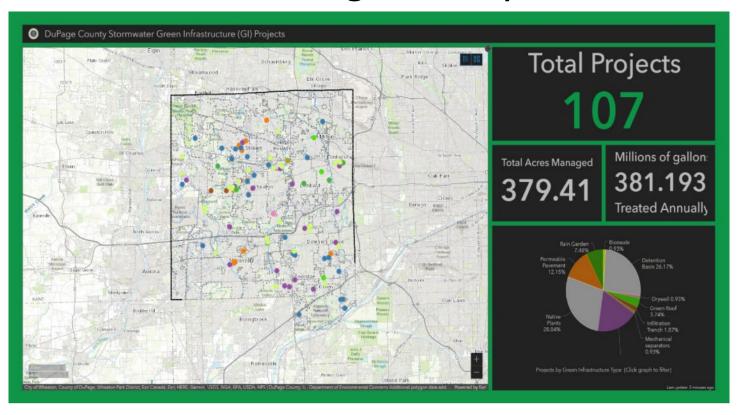
**Proposal:** build on the GLTG agricultural efforts by adding an urban stormwater practice ESRI GIS layer.





## **Existing Local Inventories**

#### **DuPage County**



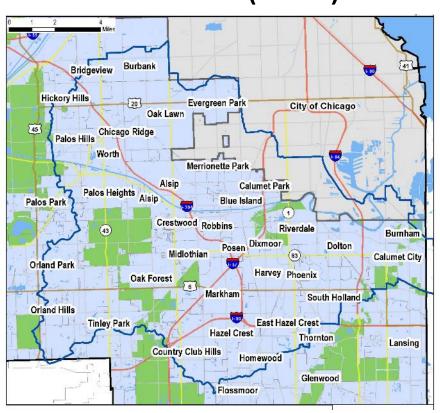
Contact: Mary Beth Falsey falsey@dupageco.org



### **Existing Local Inventories**

#### Calumet Stormwater Collaborative (GIBI)



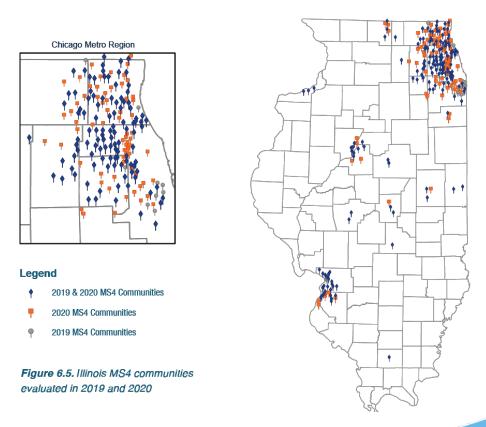


Contact: Justin Keller jkeller@metroplanning.org



### How does this advance NLRS goals?

#### Better tracking for NLRS Biennial reporting





#### How else can it be used?

#### Adapted from the CSC GIBI:

- Assess the location, performance and maintenance status of existing green infrastructure.
- Quantify the benefits of green infrastructure.
- Strategically plan investments in new green infrastructure where it will have the greatest impact.
- Advance training programs and best management practices to bolster implementation and maintenance of green infrastructure.
- Be the basis for Extension BMP fact sheets and case studies that incorporate information about GI and how it is used in Illinois communities. Can inform educational programs and assist in decision making.



Photo: C. Eliana Brown



# Thank you!

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