



STORMWATER HUB

PROJECT BACKGROUND

In 2016, the community recognized a need for a tool that would bring together the collective expertise of the various groups working on GSI in the city of Detroit.

With the support of the Erb Family Foundation, a number of public and private sector groups came together to develop a tool to better understand, collaborate on, and ultimately track the progress and impact of GSI city-wide.



GOALS

STORMWATER HUB

- 1.Increase awareness of current green infrastructure practices and community GSI resources in the City of Detroit
- 2.Build community support around green infrastructure
- **3.Support the advanced coordination and implementation** of green infrastructure practices throughout the city through a unique partnership between DWSD and community organizations
- 4.Demonstrate the success of GSI

Total Projects

203

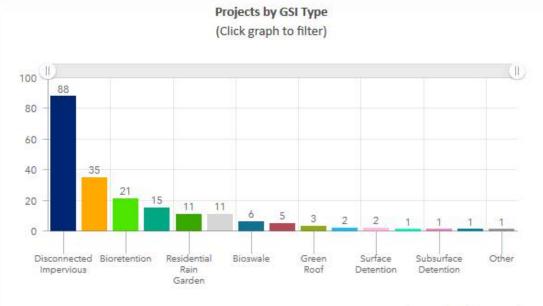
Total Acres Managed

632.8

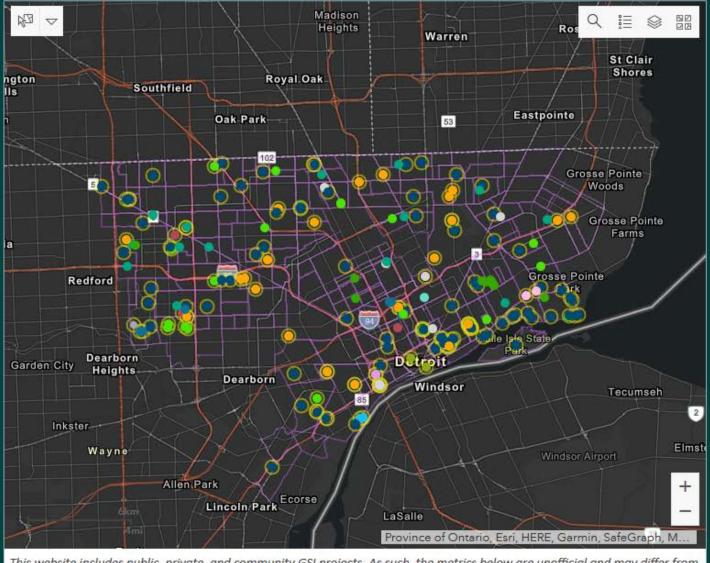
Millions of Gallons

363.6

Managed Annually



Last update: a few seconds ago



This website includes public, private, and community GSI projects. As such, the metrics below are unofficial and may differ from officially reported NPDES permit metrics.

DetroitStormwater.org

STORMWATER HUB

WHO WAS INVOLVED

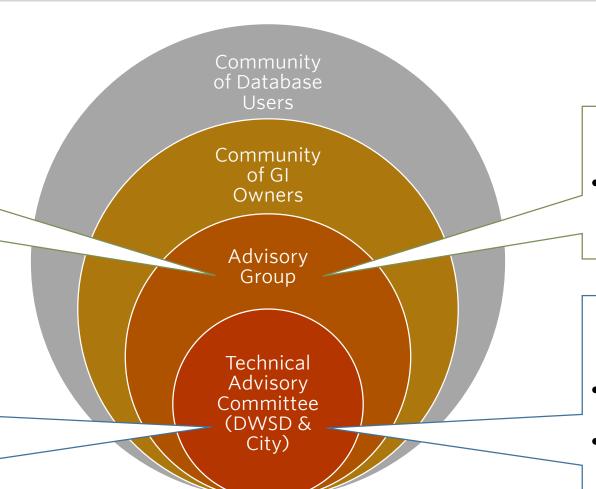
Pre-Launch

Advisory Group

 Provide guiding input on design, function, and content

Technical Advisory Committee

 Align with city platforms and information sharing protocols



Post Launch

Advisory Group

 Continue to steer content and inform website direction

Technical Advisory Committee (DWSD)

- Host and manage the website
- Convene the Advisory Group

STORMWATER HUB

WHO WAS INVOLVED

Advisory Group



























WHO WAS INVOLVED

Technical Advisory Committee

DWSD
Stormwater
Management
Group

DWSD IT Department

City of Detroit
Web Team

DWSD Public Affairs

DWSD GIS Team City of Detroit
Office of
Sustainability

HOW WE BUILT IT

Timeline

Phase 1
Summer 2016 - 2017

Phase 2 2018 - 2019

Phase 3 2020 -

- Collected initial private project dataset
- Created prototype map
- Created prototype website (PDF layout) included desired content categories and parameters for the map/inventory

- Defined users
- Built website
- Integrated private data with DWSD public database
- Created comprehensive map
- Promoted the launch

- Managed by DWSD
- Advisory Group continues to meet
- Continue to add/improve data

HOW WE BUILT IT

User Groups

Residential
Commercial/Institutional/Industrial
Non-profit/Faith-based
Designers
Installers
Engineers
Maintainers
Non-profit/Faith-based
Government
Research Institutions

HOW WE BUILT IT

Phase 2 – Creation and Launch

Website

Map, Form & Database

Narrative Content

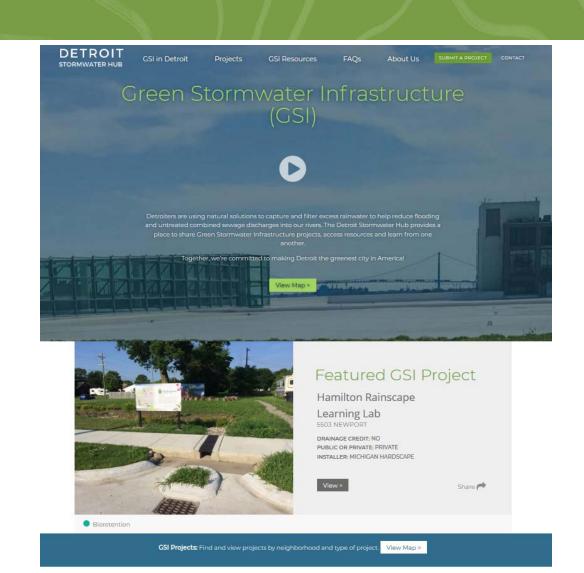
Resources

Promotions

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Website

- Contracted with a Drupal developer
- Worked closely with TAC/City Web Team to make it fit with other city sites
- Input from the Advisory Group throughout

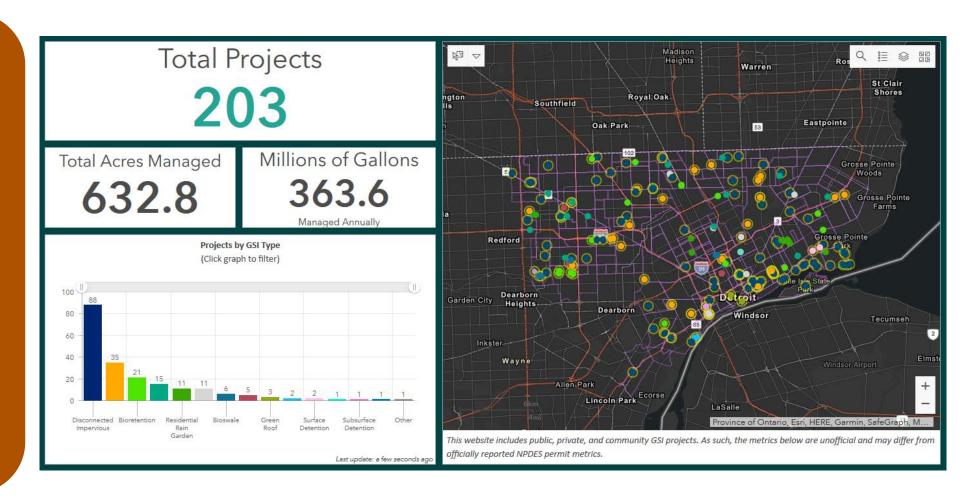


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HOW WE BUILT IT

Map, Form & Database

- Contracted with a GIS developer
- Worked with TAC/DWSD GIS
 Team to integrate with existing data
- Input from the Advisory Group throughout



HOW A PROJECT GETS ON THE MAP

Three channels

Drainage Credit Application

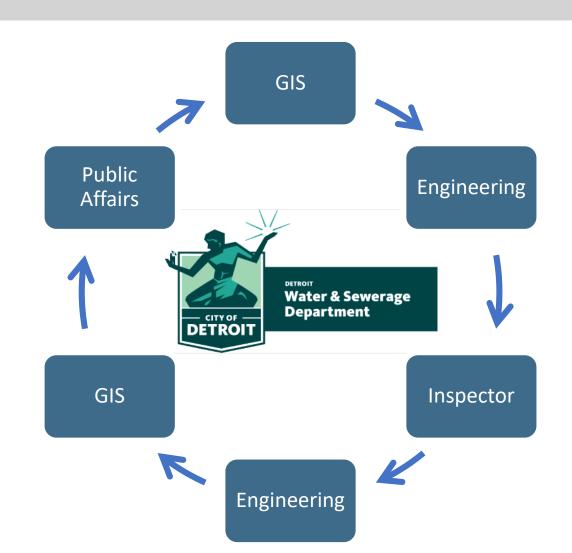
Post Construction
Stormwater Management
Ordinance Compliance

Public form on **Detroit Stormwater Hub**



PROJECT DATA VALIDATION

Validation process for all projects entered through the **public form**



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HOW WE BUILT IT

Narrative Content

- Written/ reviewed by **Advisory Group**
- Reviewed by **DWSD Public** Affairs team

GSI & STORMWATER BACKGROUND INFORMATION

FAQs



GSI DEFINITIONS













Impervious Surface Removal









Subsurface Infiltration



Disconnected



Rain Barrel



Tree-based Practices



Downspout Disconnection





TESTIMONIALS

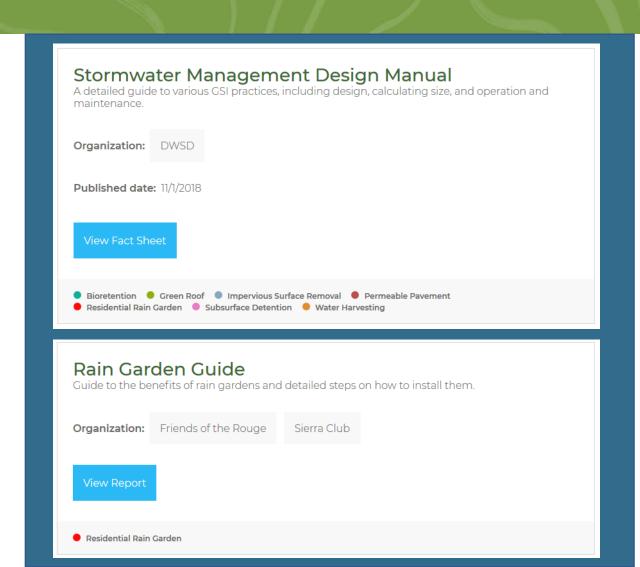


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HOW WE BUILT IT

Resources

- Collected and categorized by WSU Healthy Urban Waters program staff
- Reviewed and updated by Advisory Group & DWSD



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HOW WE BUILT IT

Promotions

- Contracted with a marketing firm
- Input from the Advisory Group throughout
- Worked with DWSD
 Public Affairs to
 ensure these met
 City requirements













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LESSONS LEARNED

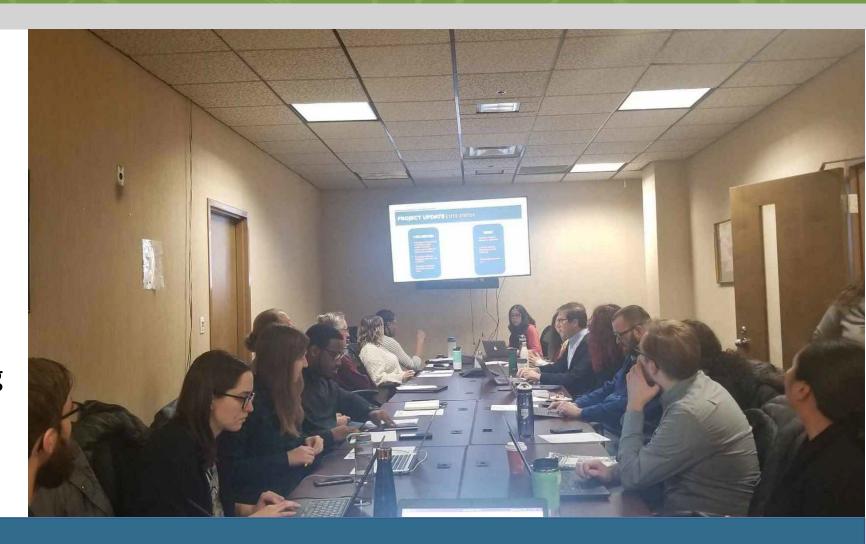


- Define the user groups clearly and early, and continue to highlight this decision
- Think about what data to collect as an early step
- Work closely with technical teams
- Document roles We used a project charter
- Leverage the group to promote and communicate
- Collaboration of this kind takes time

STORMWATER HUB

USAGE & UPTAKE

- The Advisory Group continues to meet and improve the site with DWSD leading
- We're seeing website traffic!
- The regional Great Lakes
 Water Authority is starting
 a similar project using this
 as a model



WHAT'S NEXT

- 1. Continue to promote
- Continue to improve project data and website usability
- 3. Potentially add more analytic capabilities





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