DETROIT STORMWATER HUB
detroitstormwater.org

Collaboratively Tracking Public & Private GSI Projects in the City
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

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

Projects by GSI Type
(Click graph to filter)

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.
DETROIT
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
DETROIT STORMWATER HUB

WHO WAS INVOLVED

Advisory Group

- EASTSIDE COMMUNITY NETWORK
- SIERRA CLUB GREAT LAKES PROGRAM
- DETROIT GREENWAYS COALITION
- Fred A. and Barbara M. Erb Family Foundation
- DETROIT FUTURE CITY
- Water & Sewerage Department
- City of Detroit
- The Nature Conservancy
- Community Foundation FOR SOUTHEAST MICHIGAN
- Museum of African American History
- OFFICE OF SUSTAINABILITY
- ALLIANCE FOR THE GREAT LAKES
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
- Collected initial private project dataset
- Created prototype map
- Created prototype website (PDF layout) included desired content categories and parameters for the map/inventory

Phase 2
2018 - 2019
- Defined users
- Built website
- Integrated private data with DWSD public database
- Created comprehensive map
- Promoted the launch

Phase 3
2020 -
- Managed by DWSD
- Advisory Group continues to meet
- Continue to add/improve data

Phase 3
2020 -
# User Groups

<table>
<thead>
<tr>
<th>1. Property Owners and Tenants</th>
<th>Residential</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Commercial/Institutional/Industrial</td>
</tr>
<tr>
<td></td>
<td>Non-profit/Faith-based</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Professional Sectors and Practitioners</th>
<th>Designers</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Installers</td>
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<tr>
<td></td>
<td>Engineers</td>
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<tr>
<td></td>
<td>Maintainers</td>
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</tbody>
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<thead>
<tr>
<th>3. Individuals and Organizations Engaged in Community Development</th>
<th>Non-profit/Faith-based</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Government</td>
</tr>
<tr>
<td></td>
<td>Research Institutions</td>
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</tbody>
</table>
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HOW WE BUILT IT

Phase 2 – Creation and Launch

Website
Map, Form & Database
Narrative Content
Resources
Promotions
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
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
Validation process for all projects entered through the **public form**
GSI & STORMWATER BACKGROUND INFORMATION

FAQs

Frequently Asked Questions:

What is green stormwater infrastructure?  

Why is GSI important?  

Is GSI expensive?  

Where do I start if I want to build a GSI project?
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
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
• 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
1. Continue to promote
2. Continue to improve project data and website usability
3. Potentially add more analytic capabilities
THANK YOU!

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