



Nonpoint Source Management GSI Initiatives and Funding Opportunities

Nathan Jagoda

Division of Water Restoration Assistance
Nonpoint Source Management Program
Florida Department of Environmental Protection

FSA 2023 Pre-Conference Workshop Session I | June 14, 2023



GSI Website

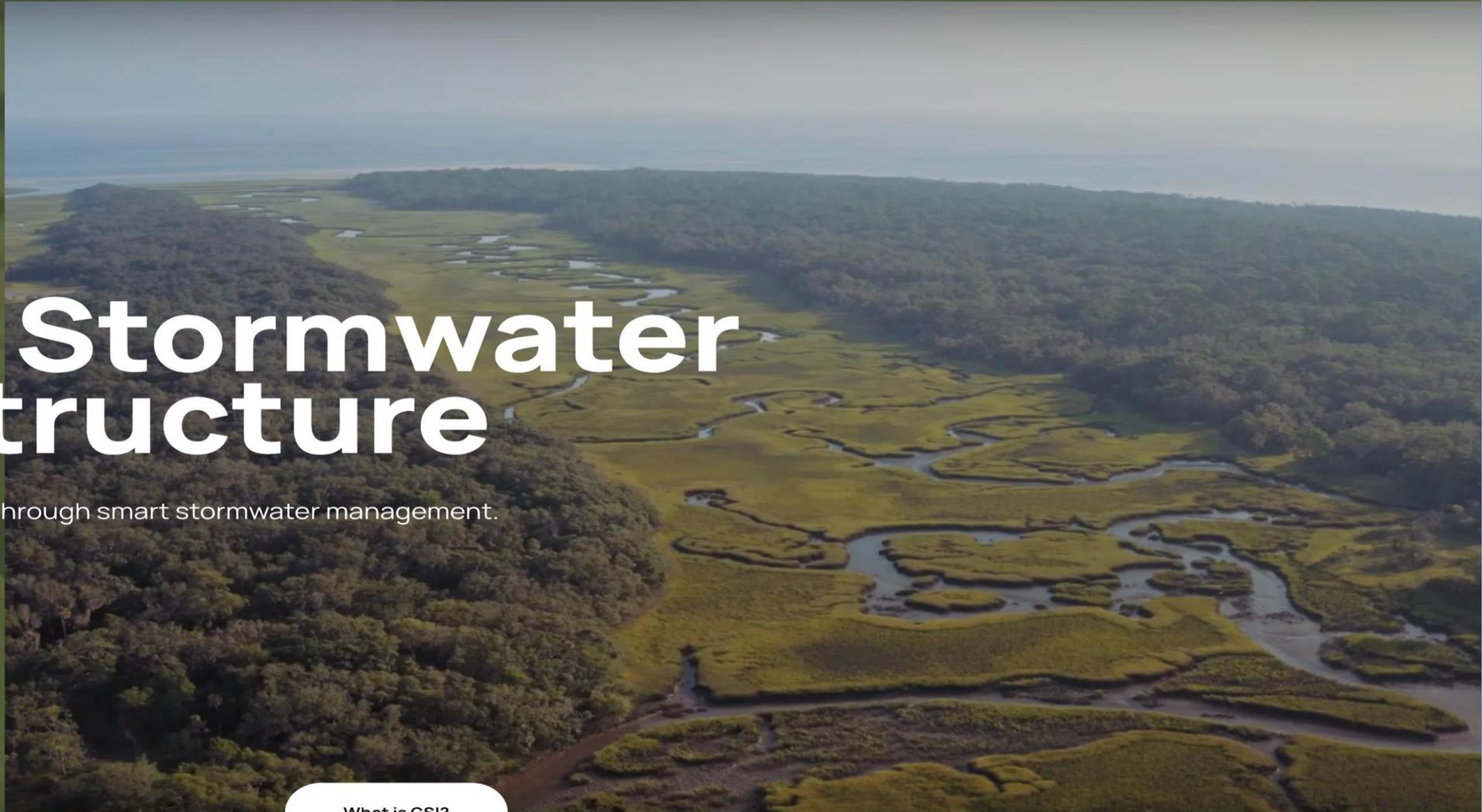
GSI.FloridaDEP.gov

A FLORIDA DEP INITIATIVE

Green Stormwater Infrastructure

Preserving local water quality through smart stormwater management.

[What is GSI?](#)





GSI WEBSITE: RESOURCES

TECHNICAL RESOURCES

- General GSI tools and resources.
- GSI code audit tool.
- Design manuals and modeling tool.
- Maintenance manuals and trainings.

EPA RESOURCES

- EPA GSI resources.
- EPA LID resources.

REGIONAL GI/LID MANUALS

- List of region-specific GSI/LID manuals.

COMMUNITY ENGAGEMENT RESOURCES

- GSI PowerPoint.
- GSI brochure.





GSI WEBSITE: COMMUNITY ENGAGEMENT

Suggestions for how to discuss GSI with different groups:

City and County Leadership



Business Leaders and Commercial Property Owners



Commercial and Residential Developers



Neighborhood Leaders and Homeowners



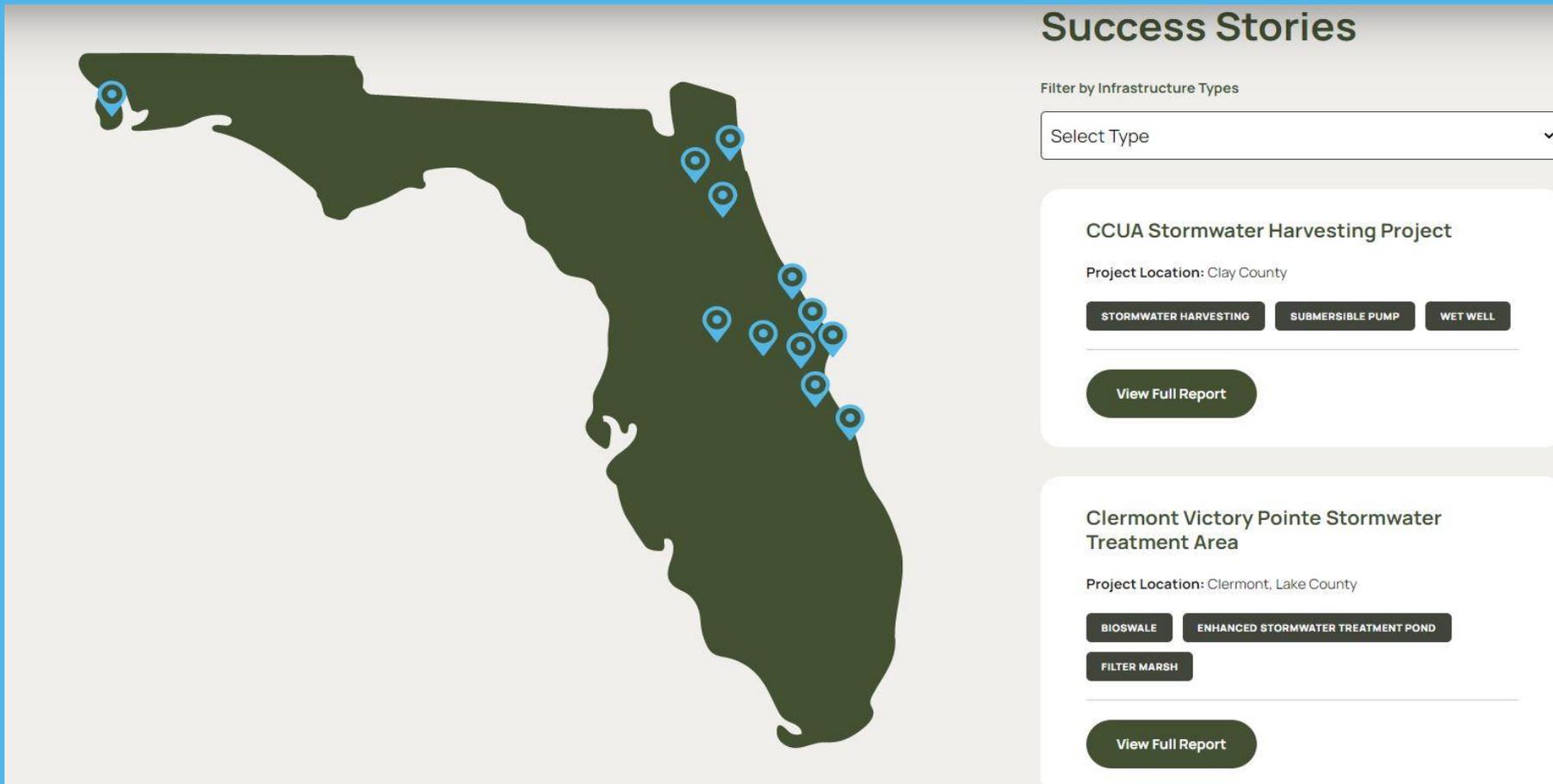
General Public





GSI WEBSITE: SUCCESS STORIES

Examples of successful GSI projects throughout the state.



The screenshot displays a web interface for "Success Stories". On the left is a dark green map of Florida with several blue location pins. On the right, the "Success Stories" section includes a filter dropdown menu labeled "Filter by Infrastructure Types" with "Select Type" as the current selection. Below the filter are two project cards. The first card is titled "CCUA Stormwater Harvesting Project" and lists "Project Location: Clay County". It features three tags: "STORMWATER HARVESTING", "SUBMERSIBLE PUMP", and "WET WELL", and a "View Full Report" button. The second card is titled "Clermont Victory Pointe Stormwater Treatment Area" and lists "Project Location: Clermont, Lake County". It features three tags: "BIOSWALE", "ENHANCED STORMWATER TREATMENT POND", and "FILTER MARSH", and a "View Full Report" button.

Success Stories

Filter by Infrastructure Types

Select Type

CCUA Stormwater Harvesting Project

Project Location: Clay County

STORMWATER HARVESTING SUBMERSIBLE PUMP WET WELL

View Full Report

Clermont Victory Pointe Stormwater Treatment Area

Project Location: Clermont, Lake County

BIOSWALE ENHANCED STORMWATER TREATMENT POND FILTER MARSH

View Full Report



PUBLICATION TOOL



NPS Publication Tool

Brought to you by the Florida Department of Environmental Protection

Dashboard

Instructions

NJ

Nathan Jagoda

Nathan.Jagoda@floridadep.gov

4 Customize (English)

Rain gardens are shallow depressions in a landscape that are planted with drought...

Green stormwater infrastructure mimics natural processes by using porous surfaces...

Permeable pavements infiltrate, treat, and/or store rainwater where it falls. This practice...

Green stormwater infrastructure can be used to create or enhance amenities in parks...

Green stormwater infrastructure can create or enhance amenities in parks...

Green stormwater infrastructure can create or enhance amenities in parks...

Green stormwater infrastructure can create or

EN

Green Stormwater Infrastructure

Green Stormwater Infrastructure

Preview full content

Front



1080px

Green stormwater infrastructure mimics natural processes by using porous surfaces and plants to protect water quality and manage stormwater as close to its source as possible.

1080px

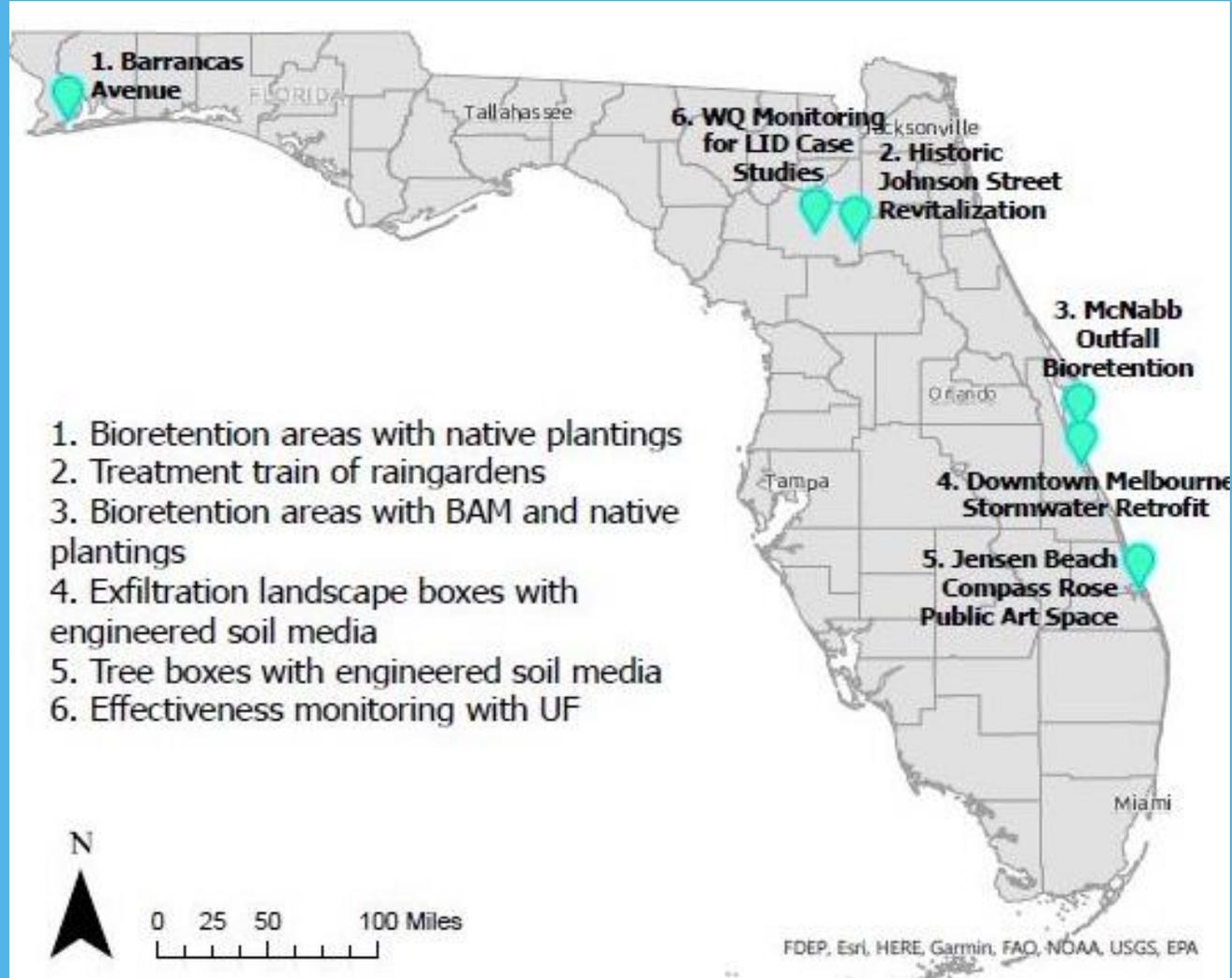


Save and Continue Later

Continue →



GRANT-FUNDED GSI PILOT PROJECTS





GSI PROJECT INVENTORY

GSI PROJECT INVENTORY

- Attempt to compile an exhaustive list of GSI projects located throughout the state.
- Include GSI constructed using local, state, federal, and private funding sources.
- Supplemental to GSI Success Stories page on website.

HOW TO SUBMIT PROJECTS

- GSI inventory survey.
- DEP GSI website under the technical resources section.
- Contact Nathan.Jagoda@FloridaDEP.Gov with any questions.



SCAN ME



FLIP MY FLORIDA YARD



- Florida backyards are transformed into Florida-Friendly Landscapes.
- Showcases the nine principles of Florida-Friendly Landscaping™.
- Season one is available to stream on Discover Florida and YouTube.
- Season two is currently airing on PBS.
 - Will be available soon on Discover Florida and YouTube.
- Season three just completed filming at homes throughout the state.

THE DISCOVER FLORIDA CHANNEL

- Free to stream.
- Available on Roku, Amazon Fire TV, Apple App Store and Google Play.

YOUTUBE

- [YouTube.com/c/flipmyfloridayard](https://www.youtube.com/c/flipmyfloridayard)



EPA 319(H) NONPOINT SOURCE GRANT

Federal Grant through the U.S. EPA:

- Construction, education and monitoring.
- 40% match requirement, may use state grant/loans toward match.
- Monitoring requirement.
- Planning and design may be eligible for match.
- May take two years to receive grant award.

Also Eligible:

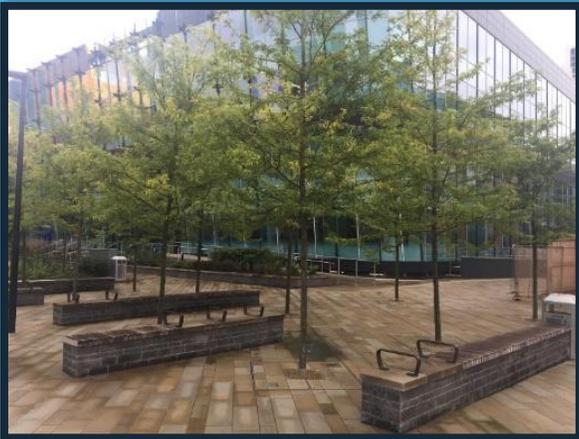
- Water quality improvement.
- Groundwater protection.
- Water quality restoration.
- Stormwater treatment best management practices.
- Nonpoint source education.
- Septic to sewer.





STATE WATER QUALITY ASSISTANCE GRANT (SWAG)

State grant for projects that reduce stormwater pollutant loadings in impaired waterbodies.



- Shovel-ready construction projects.
- No required match.
- No required water quality monitoring.
- Fast application to grant award date.

Also Eligible:

- Water quality improvement.
- Groundwater protection.
- Water quality restoration.
- Best management practices.
- Reuse water.



HOW TO SUBMIT A PROPOSAL?

Grant proposals are accepted throughout the year:

- Contact Connie Becker for a copy of the latest grant proposal form.
- Department review and evaluation periods are expected to occur in fall and spring of each year.
- If funding is available, grant awards may be awarded out of cycle.

Questions:

- If you are considering a grant application, contact Becker to discuss eligible grant components, funding available, match requirements, etc.



QUESTIONS?

Nonpoint Source Management Grants

- Connie.L.Becker@FloridaDEP.gov

GSI Website Specific Questions

- NonpointSource@FloridaDEP.gov

Publication Tool Questions

- NonpointSource@FloridaDEP.gov

Success Story/GSI Inventory Submissions

- Nathan.Jagoda@FloridaDEP.gov

GSI Website: GSI.FloridaDEP.gov



THANK YOU

Nathan Jagoda

Division of Water Restoration Assistance
Nonpoint Source Management Program
Florida Department of Environmental Protection

Contact:

Nathan.Jagoda@FloridaDEP.Gov