



WATER AND SEDIMENT
QUALITY SUBCOMMITTEE
RECENT SUCCESSES AND ONGOING
PROJECTS

GREEN STORMWATER INFRASTRUCTURE (GSI) DEMONSTRATION SITE DEVELOPMENT FOR GREENSPACE EDUCATION IN THE GALVESTON BAY WATERSHED

- \$82,661 in Fiscal 2024 funding awarded to Texas A&M AgriLife Extension Service (AgriLife)
- Provide stakeholders with the knowledge necessary to implement GSI practices in the lower Galveston Bay watershed that will lead to a reduction in nonpoint source pollution.
- Design and construction of two GSI demonstration sites on the Houston Community College (HCC) Katy Campus.

GREEN STORMWATER INFRASTRUCTURE (GSI) DEMONSTRATION SITE DEVELOPMENT FOR GREENSPACE EDUCATION IN THE GALVESTON BAY WATERSHED

AgriLife hosted an in-person rain garden workshop at the HCC Katy Campus that included a lecture from GSI experts.



*Photo courtesy of AgriLife

Houston Community College Katy
RAIN GARDEN WORKSHOP

Join Texas A&M AgriLife Extension Service for an in-person workshop to find out more about rain gardens and how to use them to collect, conserve, and clean stormwater at a business, civic space, or home.

Attendees will hear from rain garden experts AND participate in planting two rain gardens on the HCC Katy Campus.

REGISTRATION IS REQUIRED
NOVEMBER 20, 2024, 10AM - 2PM

10:00 - 12:00	Rain Garden Lecture
12:00 - 12:30	Lunch (Provided)
12:30 - 2:00	Field Activity

HCC KATY CAMPUS
22910 COLONIAL PKWY, KATY, TX 77449

SOME TOOLS WILL BE AVAILABLE, BUT WE ENCOURAGE YOU TO BRING YOUR FAVORITE SHOVEL AND GLOVES!

[Register Here](#) <https://shorturl.at/dUGeP>

TEXAS A&M AGRILIFE EXTENSION   **HCC**

Prepared in cooperation with the Texas Commission on Environmental Quality and U.S. Environmental Protection Agency



GREEN STORMWATER INFRASTRUCTURE (GSI) DEMONSTRATION SITE DEVELOPMENT FOR GREENSPACE EDUCATION IN THE GALVESTON BAY WATERSHED

Workshop instruction was followed by a networking lunch and planting of two rain gardens.



*Photo courtesy of AgriLife

DIGGING DEEPER: ADDRESSING SOIL HEALTH TO IMPROVE WATER QUALITY

- \$57,894 in Fiscal 2024 funding awarded to AgriLife
- Bring education on land management practices to urban/suburban landowners and practitioners that will help to improve soil health and reduce both stormwater runoff and NPS pollution in the lower Galveston Bay watershed.
- Host a series of soil health workshops to encourage a vision of lawns, landscaped areas, and tracts of undeveloped land as productive ecosystems.

DIGGING DEEPER: ADDRESSING SOIL HEALTH TO IMPROVE WATER QUALITY

AgriLife hosted an in-person soil health workshop at the HCC South Campus that included presentations by soil health professionals from across the state and a breakout session to discuss soil health challenges and brainstorm solutions.



*Photo courtesy of AgriLife

DIG DEEPER INTO SOIL HEALTH

A WORKSHOP FOCUSED ON URBAN AND SUBURBAN LANDSCAPES



Healthy, living soils improve water storage and water quality, reduce disease and pest problems, are resilient to drought, temperature extremes, fire and flood, and much more. Soil health applies to more than growing food and rural land use. It's time to recognize the role of healthy soil in our communities.

OCTOBER 29, 2024
9:00 AM - 2:00 PM

LUNCH PROVIDED BY HARRIS COUNTY SWCD
SIGN IN BEGINS AT 8:30 AM

HOUSTON COMMUNITY COLLEGE
HCC SOUTH
1990 AIRPORT BLVD
HOUSTON, TX, 77051

NO COST TO ATTEND
SEATING IS LIMITED
REGISTRATION IS REQUIRED

[Register Here](https://tx.ag/SoilHealthOct29) tx.ag/SoilHealthOct29

Local practitioners at parks departments, ISDs, counties, drainage districts, hospital campuses, MUDs and municipalities will benefit from attending with homeowners, urban gardeners and farmers, and small landowners welcome.

TOPICS

- Principles of soil health
- Improved soil conditions to promote water infiltration and retention
- Managing water on-site with green stormwater infrastructure
- Strategies to incorporate best practices in your operations
- Undeveloped lands as productive ecosystems

Multi-speaker agenda
Hands-on demonstrations
Interactive Q&A



Prepared in cooperation with the Texas Commission on Environmental Quality and U.S. Environmental Protection Agency

DIGGING DEEPER: ADDRESSING SOIL HEALTH TO IMPROVE WATER QUALITY

Lunch was followed with an outdoor low impact development demonstration by USDA-Natural Resource Conservation Service and interactive Q&A .



*Photos courtesy of AgriLife

ONGOING WSQ PROJECTS

Project	Amount	Ends
Watershed Protection Plan for Clear Creek	\$30,000	05/31/25
Houston Parks and Recreation Department Water Management Plan	\$50,000	05/31/25
Repair and Replacement of Failing On-Site Sewage Facilities (OSSFs) for Homeowners in Disadvantaged Communities with Vulnerable Populations	\$365,000	08/31/26
Green Stormwater Infrastructure (GSI) Demonstration Site Development for Greenspace Education in the Galveston Bay Watershed	\$82,661	08/31/25
Targeted Microplastics Monitoring in the Waters of Galveston Bay and its Tributaries	\$86,000	08/31/26
Strategic Implementation of Green Infrastructure Best Management Practices in the Double Bayou Watershed	\$81,703	12/31/25
Digging Deeper – Addressing soil health to improve water quality in the lower GalvestoBay Watershed	\$57,894	12/31/25
Rapid Methods of Microbial Source Tracking to Assess the Source of Fecal Contamination to Western Galveston Bay	\$104,859	12/31/26
Supporting Permeable Alternatives to Conventional Pavement in the Lower Galveston Bay Watershed	\$63,847	08/31/26
Enhancing Clear Creek Watershed Protection and Galveston Bay Plan through Community Engagement and Monitoring	\$30,000	08/31/26
Watershed Protection Plan Development for Greens Bayou	\$30,000	08/31/26

11 projects, \$981,964 from GBEP/GBC

UPCOMING WSQ PROJECTS

- Assessment of Coastal Groundwater Quality and Dynamics in San Jacinto River Waste Pit Superfund Site
 - TAMUG, \$99,976
- Evaluation of Green Infrastructure to Reduce Microplastic Pollution in Galveston Bay
 - H-GAC, \$121,472.85
- Renovating Jones Park: Building Galveston's First Climate-Ready Stormwater Park
 - Vision Galveston, \$400,616 (BIL funded)

QUESTIONS, COMMENTS



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