

# American Wetlands Month Webinar May 18, 2021

## Investing in Resiliency: Intersectional Perspectives of Wetlands, Infrastructure, and Healthy Communities

### Delaware State Route 1 Nature Based Solutions

LaTonya.Gilliam@delaware.gov  
Delaware Department of Transportation

# 10 YEAR PARTNERSHIP

## IMPROVING WATER QUALITY AND ENHANCING DELAWARE HIGHWAYS



Delaware Department  
of Transportation



DELAWARE CENTER FOR THE  
INLAND BAYS

South Bethany  
Bioretention

Sea Colony  
Wet Swale

Constructed  
Wetland

2011

2014

2014

2016

2020

2021

South Bethany  
Rain Gardens

Read Avenue  
Living Shoreline

Dewey Rain  
Gardens

# SOUTH BETHANY BIORETENTION FACILITIES – SR 1 - 2011



Photo Credit: Center for the Inland Bays

- **Project Partners:** Town of South Bethany, DelDOT, Center for the Inland Bays (CIB), University of Delaware
- **Funding Sources:** Water Quality Improvement Grant, Town Funding In-Kind Match from DelDOT and CIB
- **Estuary Program Benefit:** Nutrient Reductions
- **DOT Benefits:** Enhancing the Highway

# SOUTH BETHANY RAIN GARDENS AND BIORETENTION

2014



Photo Credit: Center for the Inland Bays

## READ AVENUE LIVING SHORELINE – DEWEY - 2016

- **Project Partners:** Town of Dewey, DelDOT, Center for the Inland Bays (CIB), DNREC, FHWA
- **Funding Sources:** FHWA Coastal Green Infrastructure Grant, DNREC Strategic Fund for Adaptation Grant, In Kind Match from Project Partners
- **Estuary Program Benefit:** Nutrient Reductions
- **DOT Benefits:** Stormwater Management, Flood Resiliency

# ANCHORAGE CANAL CONSTRUCTED WETLAND- SR I - 2020



Photo Credit: DeIDOT

- **Project Partners:** Town of South Bethany, DeIDOT, Center for the Inland Bays (CIB), University of Delaware
- **Funding Sources:** FHWA Transportation Alternatives Funding, Town and Sea Colony (Sponsor) Funding, DeIDOT Funding In-Kind Match from DeIDOT and CIB
- **Estuary Program Benefit:** Nutrient Reductions
- **DOT Benefits:** Enhancing the Highway, SW Management, Bicycle Facility

## Anchorage Canal Drainage Area Stormwater Retrofit, Bethany Beach - South Bethany





Watershed Resources Registry



After exploring the site or utilizing the mapping tools, we invite your feedback. Please email comments and questions to Ellen Bryson at [bryson.ellen@epa.gov](mailto:bryson.ellen@epa.gov) or by visiting the [Contact Us](#) page.



The Watershed Resources Registry is a partnership project supported by EPA Region 3's Water Protection Division through its Office of State and Watershed Partnerships. Copyright © Watershed Resources Registry 2021

# SHARING POTENTIAL OPPORTUNITIES

- Delaware WRR was created in 2017
  - It is an interactive mapping application that can be used to:
    - Identify environmental resources in a project area
    - Assess and compare potential mitigation projects
    - Print Location details reports
    - Find and identify candidate locations for mitigation
- Currently 6 States have developed WRR's
- <https://www.watershedresourcesregistry.org>

## Potential Opportunities

Wetland Restoration

Wetland Preservation

Riparian Restoration

Riparian Preservation

Upland Restoration

Upland Preservation

Stormwater Restoration

Stormwater Preservation

## Attachment

[Click here to upload image file \(<10MB\)](#)

## Attachment 2

[Click here to upload image file \(<10MB\)](#)



Delaware Department  
of Transportation

THANK YOU!