

# RHODE ISLAND

# Tour of Coastal Green Infrastructure

## A Story Map

### What is Green Infrastructure?

Green Infrastructure, or GI, uses natural systems and materials to capture and treat stormwater to reduce flooding, contamination, and erosion. GI provides numerous benefits to our coastlines.

Natural and nature-based treatments installed upland, in the intertidal zone, or adjacent to the shore can help reduce impacts of flooding and erosion as well as provide habitats for fish, birds and pollinators. GI also enhances public access and recreation to our coasts, local economies, public health and safety.

The *Tour of Coastal Green Infrastructure Story Map* allows the user to travel to locations in Rhode Island to view green infrastructure practices in action, achieving various goals.



J.F. Brennan

Charlestown's Ninigret Pond hosts a demonstration site to **restore wetlands** with Thin Layer Deposition techniques.



Save the Bay

BEFORE



Save the Bay

A small park in Cranston features a **regraded and stabilized shoreline** to dissipate wave energy and slow erosion.



P. Rubinoff

**Coastal Stormwater** practices at Bristol Town Beach help treat runoff from nearby neighborhoods that had been contributing to poor water quality.



Save the Bay

AFTER

At the end of Mill Cove Road in Warwick, about 140 feet of **pavement was removed and replaced** with a filter strip.

## Take a Tour: Coastal Green Infrastructure in Rhode Island

shore help reduce flooding, stormwater contamination and erosion. Habitats are created for fish, birds and pollinators. Beyond our ecosystems, GI enhances public access and recreation to our coasts, local economies, public health and safety. Collaborative projects engage expert practitioners, technical advisers, designers and installers from universities, government, non-profits and the private sector.

A story map



Coastal Stormwater

Regrade & Stabilize Shoreline

Remove Pavement & Infrastructure

Restore Wetlands

GI - Private Property

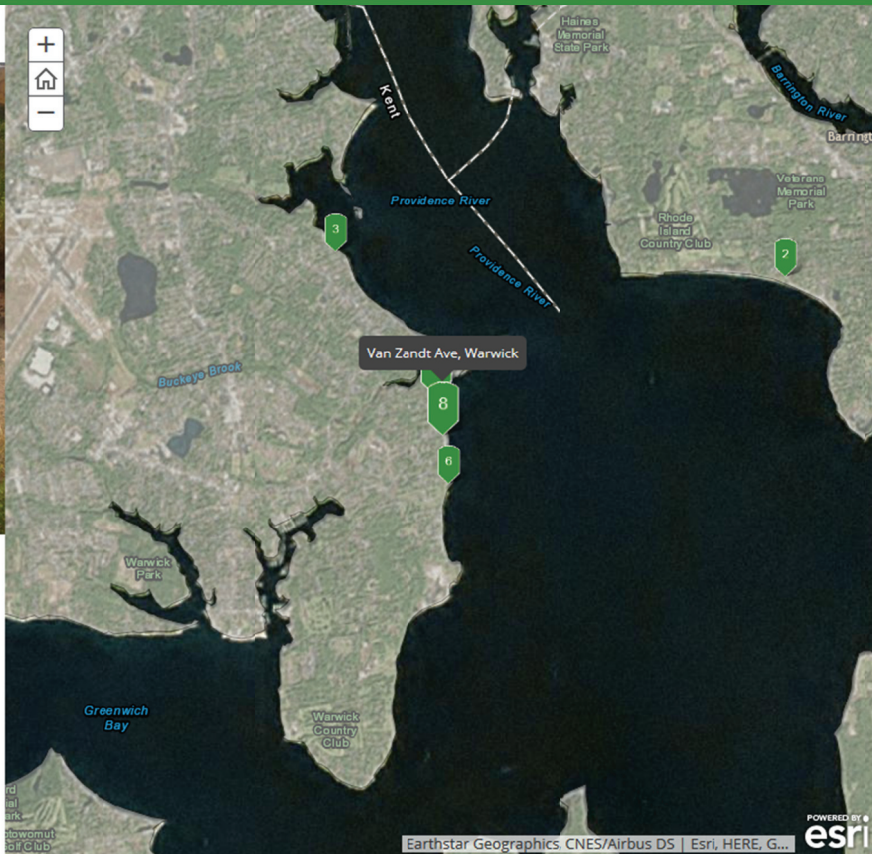
### 8 Van Zandt Ave, Warwick



Eroding pavement on the beach was removed, the road was carved back 75 feet and a filter strip was installed to slow and treat stormwater runoff.

*This project was conducted by Save The Bay and the City of Warwick with support from the Coastal Resources Management Council and the National Oceanic and Atmospheric Administration.*

2014



Earthstar Geographics CNES/Airbus DS | Esri, HERE, G... **esri**

The *Tour of Green Infrastructure Story Map* allows you to travel to locations in Rhode Island to view green infrastructure practices in action along the coastline.

The *Tour of Green Infrastructure Story Map* uses ESRI's ArcGIS as a platform to provide an interactive map for the user to explore. Click through the tabs and scroll through images for information on each of the green infrastructure projects, or use the map to zoom into a location and click on a project.

This story map can provide inspiration for a green infrastructure project in your coastal communities.

***Do you have a coastal green infrastructure practice that we can share? Contact us!***

## LEARN MORE

Visit [http://www.crc.uri.edu/activities\\_page/GI-coastal-RI/](http://www.crc.uri.edu/activities_page/GI-coastal-RI/)

Explore more of Rhode Island's Resilience Tools: [http://www.crc.uri.edu/activities\\_page/resilience-tools/](http://www.crc.uri.edu/activities_page/resilience-tools/)

Contact: Pam Rubinoff, URI Coastal Resources Center, RI Sea Grant • 401.874.6135 • [rubi@crc.uri.edu](mailto:rubi@crc.uri.edu)

