

New Jersey Resilient Coastlines Initiative

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New Jersey Living Shorelines Committee
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NJ Resilient Coastline Initiative



Photo credit: TNC Staff



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Coastal Resilience

[OUR WORK](#) [OUR APPROACH](#) [RESOURCES](#) [PARTNERS & TEAM](#)



LAUNCH MAPPING PORTAL

[Our Focus](#) [Habitats](#) [Project Areas](#) [Policy And Influence](#)



NEW JERSEY

INTRODUCTION

CHALLENGES

SOLUTIONS

Overview

New Jersey's coastline is one of the most densely populated in the country and an economic powerhouse for the state. Summer tourism contributes greatly to New Jersey's economy as millions of visitors from around the world descend on



Map Layers

Flood & Sea
Level Rise

Risk Explorer



Switch To Map 2



Split View

Save & Share

Export Page



Map Layers

Filter Map Layers

Clear All

- ☒ ☒ Critical Facilities
- ☒ ☒ Coastal Hazards
 - ☒ ☒ Sea Level Rise Impact Analysis
 - ☐ ☒ Current sea level
 - ☐ ☒ Sea Level Rise (1 ft.)
 - ☐ ☒ Sea Level Rise (2 ft.)
 - ☐ ☒ Sea Level Rise (3 ft.)
 - ☐ ☒ Sea Level Rise (4 ft.)
 - ☐ ☒ Sea Level Rise (5 ft.)
 - ☐ ☒ Sea Level Rise (6 ft.)
 - ☒ ☐ Storm Surge Scenario Analysis
 - ☐ ☒ Hurricane Sandy Storm Surge (Feet)
- ☒ ☐ Land Use
- ☒ ☐ Hurricane Sandy



Map Layers

Flood & Sea
Level Rise

Risk Explorer



Switch To Map 2



Split View

Save & Share

Export Data

javascript:

Brigantine



Risk Explorer



Risk Explorer

Risk Explorer allows communities to assess risk by examining their coastal exposure and social vulnerability. More importantly, it helps to identify solutions and priority sites where habitat management and restoration may most reduce risk. It is organized by state.

Coastal Hazard Risk

High Risk Areas:

Coastal development with no habitat can increase risk.

Habitat Loss and Risk:

Loss of habitat erodes the coast and increases wave energy.

Reducing Risk with Habitat Restoration:

Marshes and oysters gather sediment and reduce wave energy.



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☐ Don't Show This on Start

Continue

RESTORATION EXPLORER



Photo credit: TNC Staff



Photo credit: TNC Staff

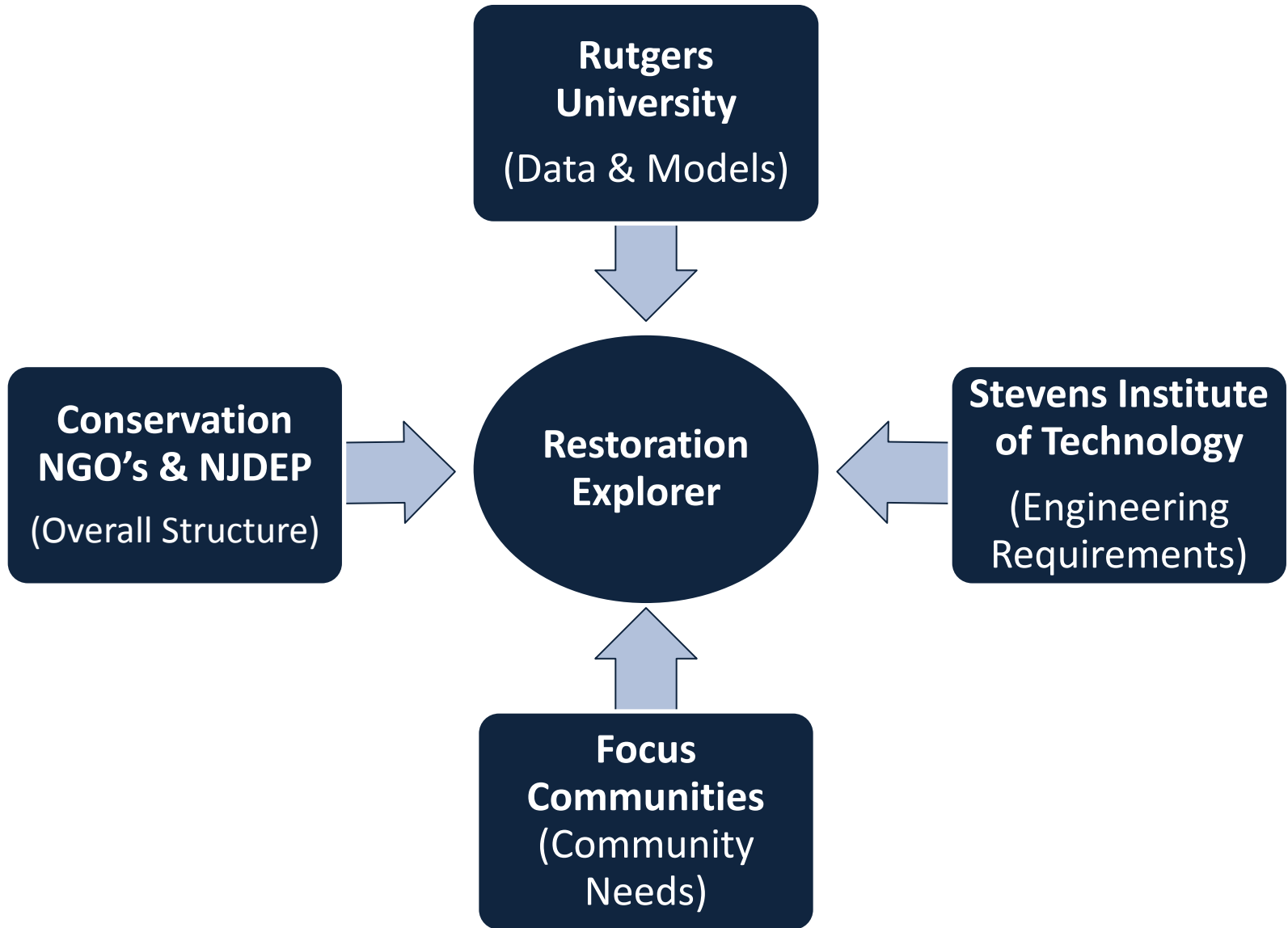


Photo credit: TNC Staff



Photo credit: TNC Staff

Year 1: Build the Science



Year 2: Community Outreach

American Littoral
Society

- Monmouth County

Barnegat Bay
Partnership

- Ocean County

The Nature
Conservancy

- Atlantic County
- Cape May County

Partnership for
the Delaware
Estuary

- Cumberland & Salem Counties

Additional Project Results

- Coastal Resilience Website
 - o *Information to facilitate project design and permitting*
- State-wide set of measures for success and benefits

Goals of Initiative

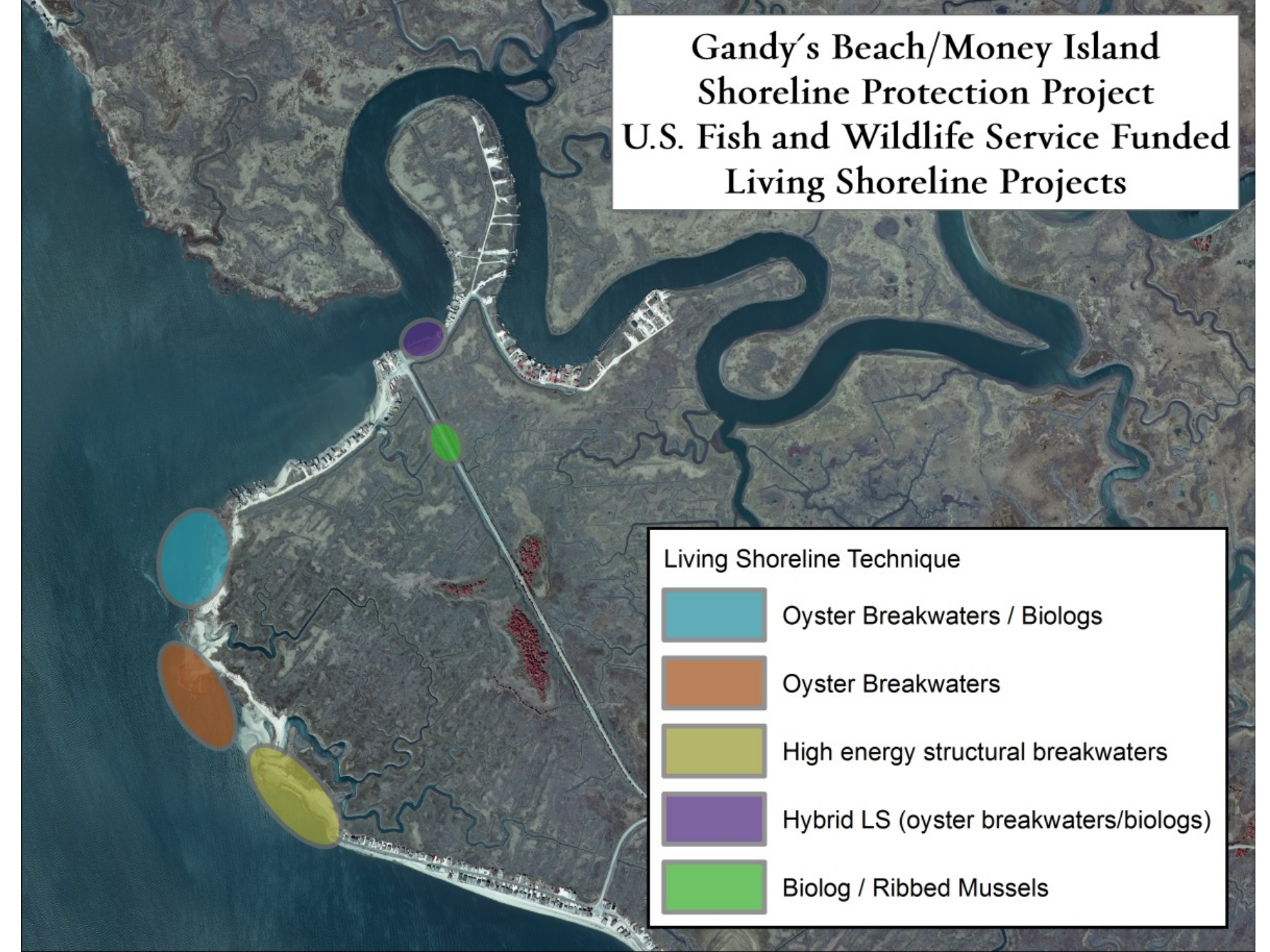
- Suite of coastal projects across the state to gather lessons-learned
- Better understanding of design and permitting considerations
- More competitive project proposals

Gandy's Beach Project



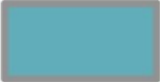
Historic Marsh Edges





Gandy's Beach/Money Island Shoreline Protection Project U.S. Fish and Wildlife Service Funded Living Shoreline Projects

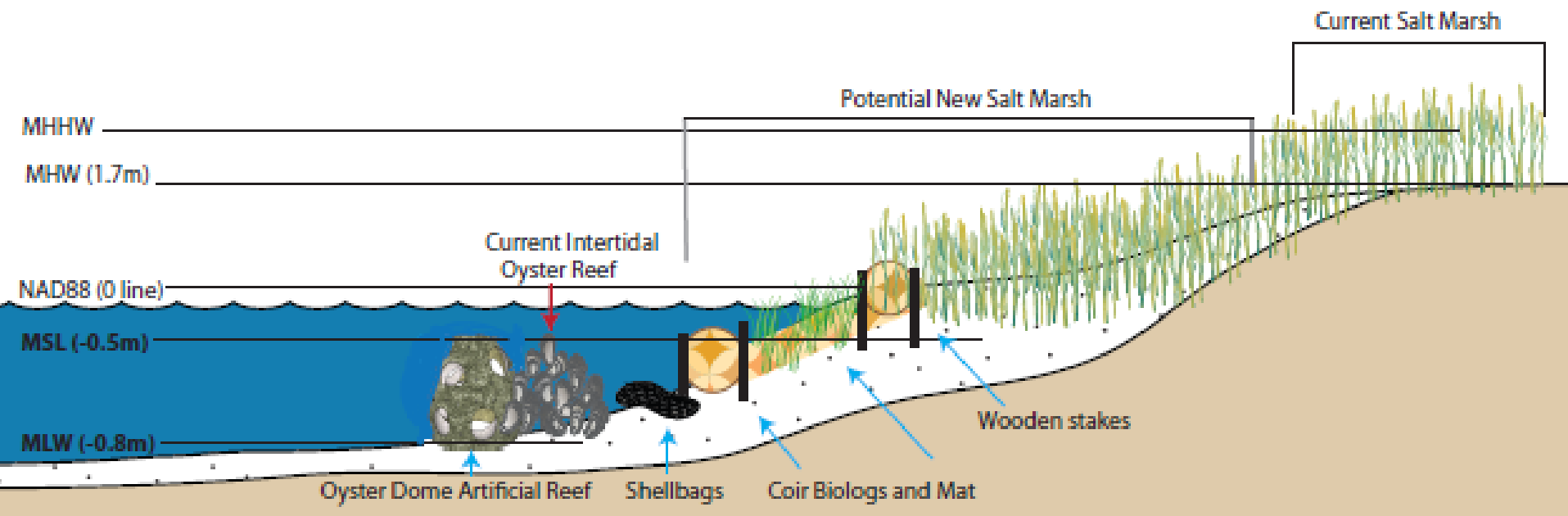
Living Shoreline Technique

-  Oyster Breakwaters / Biologs
-  Oyster Breakwaters
-  High energy structural breakwaters
-  Hybrid LS (oyster breakwaters/biologs)
-  Biolog / Ribbed Mussels

Thank You.



Photo credit: Ted Kingston, Strathmere, NJ



Credit: Partnership for the Delaware Estuary

