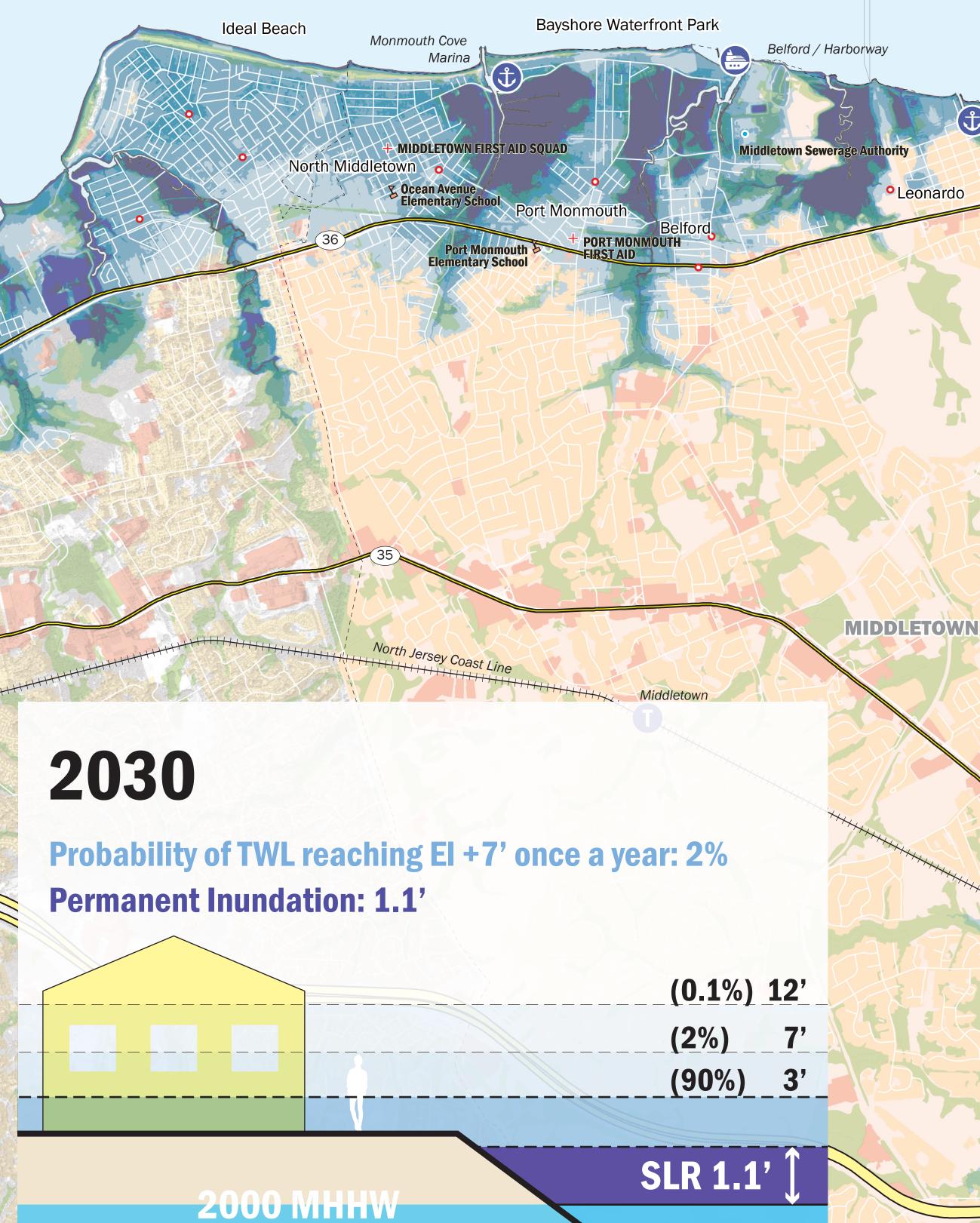
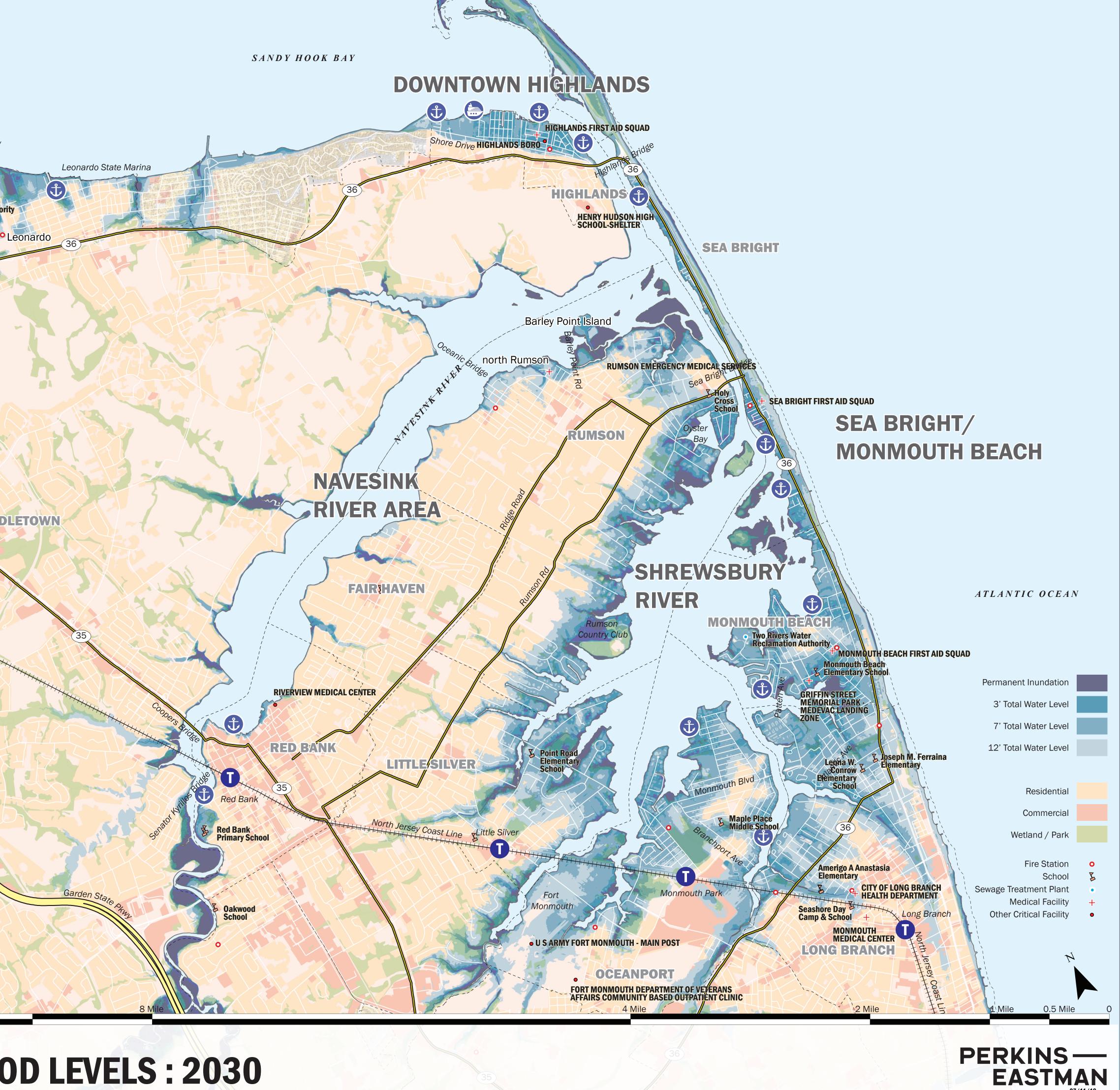


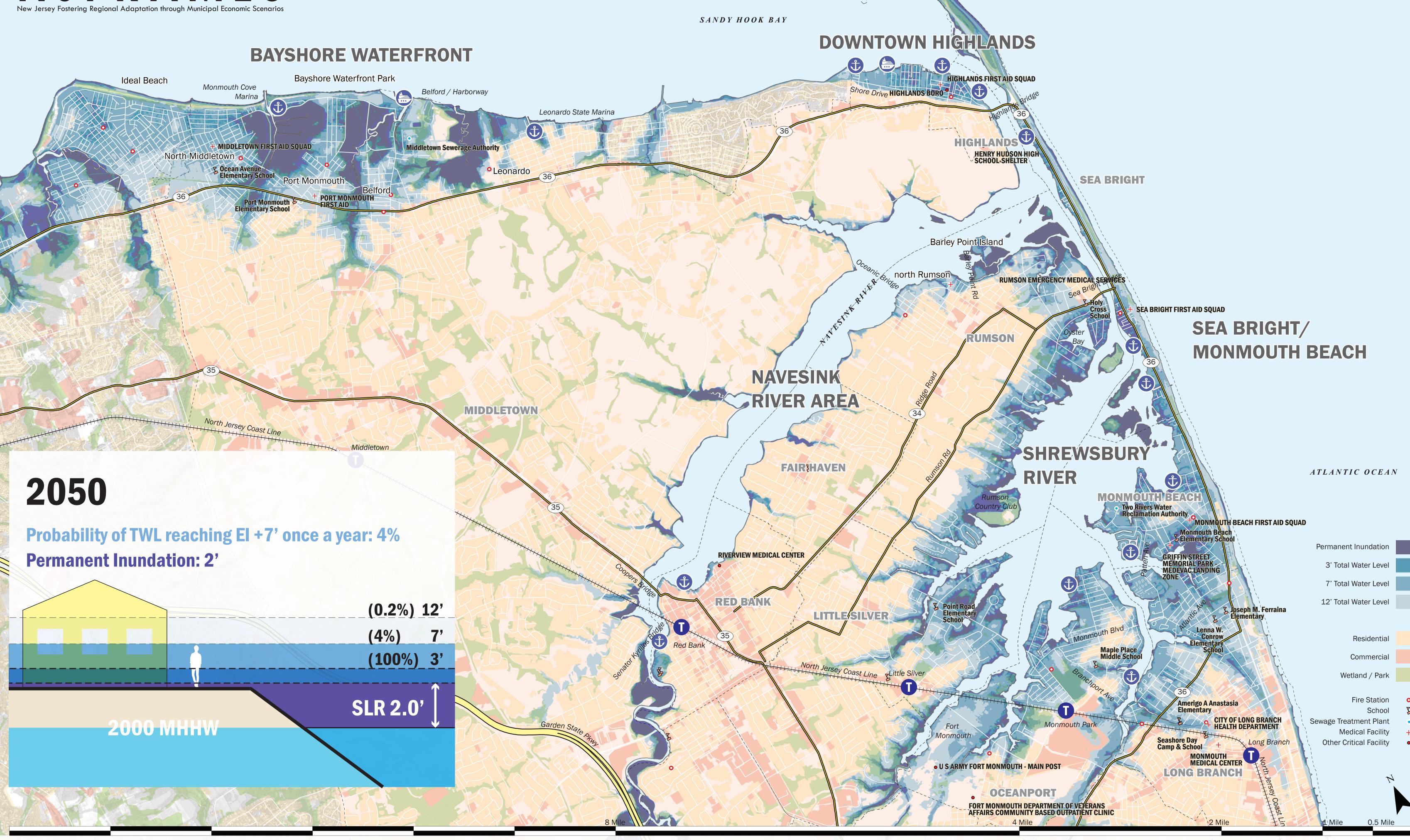
BAYSHORE WATERFRONT



PROJECTED SEA LEVEL RISE AND FLOOD LEVELS : 2030







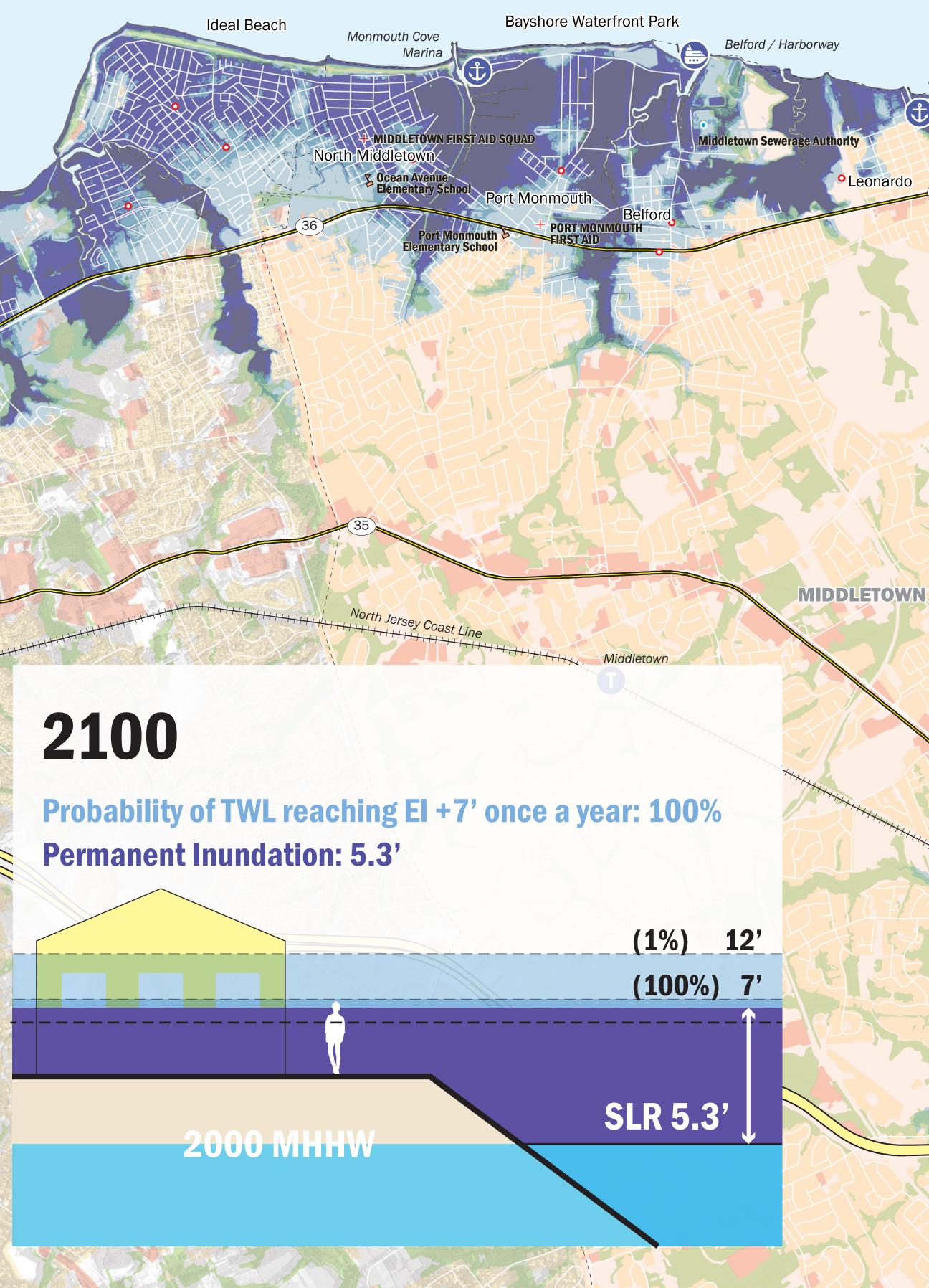
52mil

PROJECTED SEA LEVEL RISE AND FLOOD LEVELS : 2050

PERKINS — EASTMAN



BAYSHORE WATERFRONT



PROJECTED SEA LEVEL RISE AND FLOOD LEVELS : 2100



Leonardo State Marina

DOWNTOWN HIGHLANDS

HIGHLANDS FIRST AID SQUAD

HIGHLANDS

Barley Point Island

north Rumso

RUMSON

NAVESINK **RIVER AREA**

FAIRHAVEN

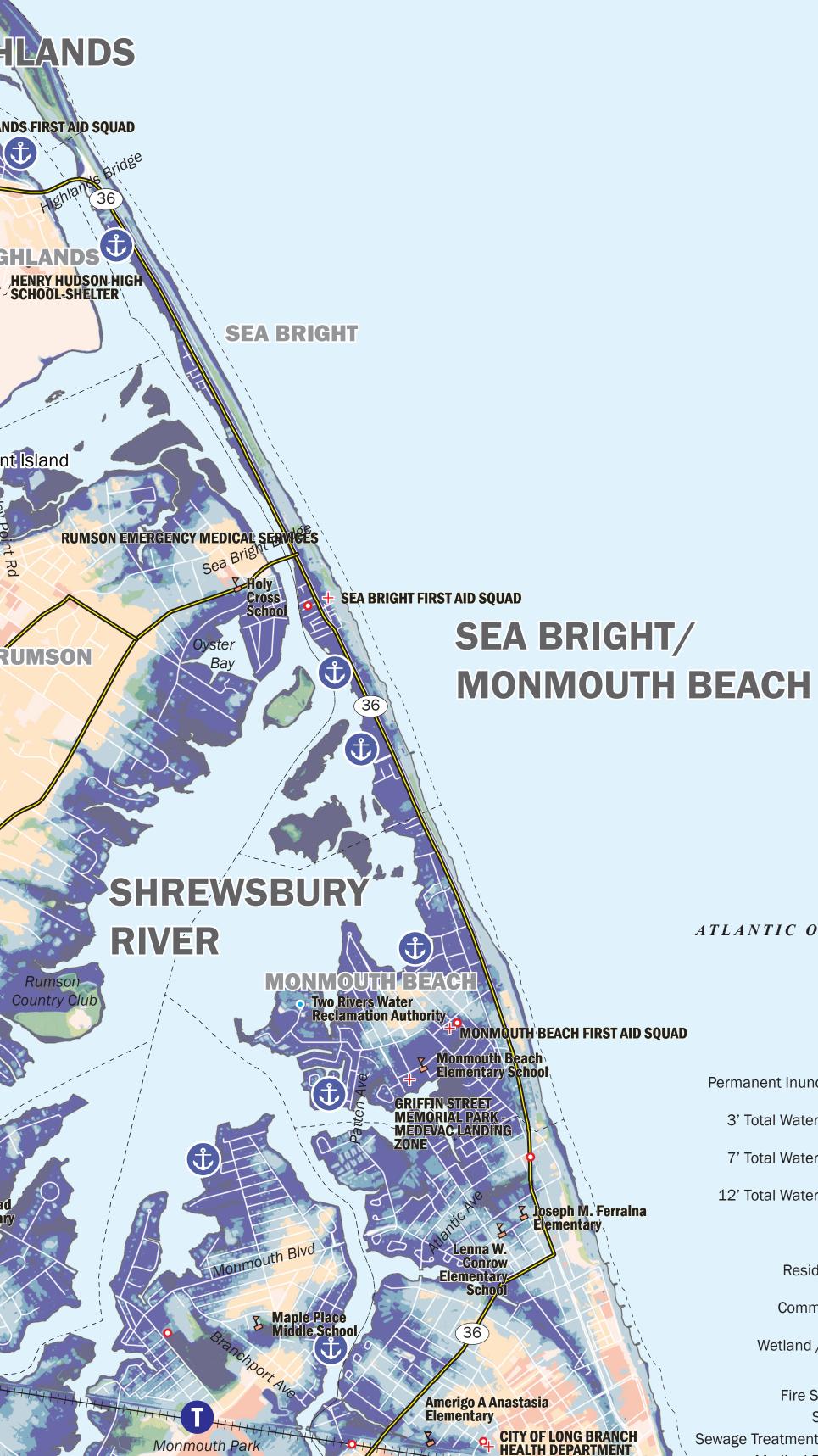
RIVERVIEW MEDICAL CENT

RED BANK

MA

LITTLE SILVER

North Jersey Coast Line Little Silv



ATLANTIC OCEAN

MONMOUTH BEACH FIRST AID SQUAD Permanent Inundation 3' Total Water Leve

I. Ferraina

ong Branch

7' Total Water Level 12' Total Water Level

> Residentia Commercial

Wetland / Park

Fire Station Medical Facili Other Critical Facility

Sewage Treatment Plan

PERKINS — EASTMAN

MONMOUTH MEDICAL CENTER

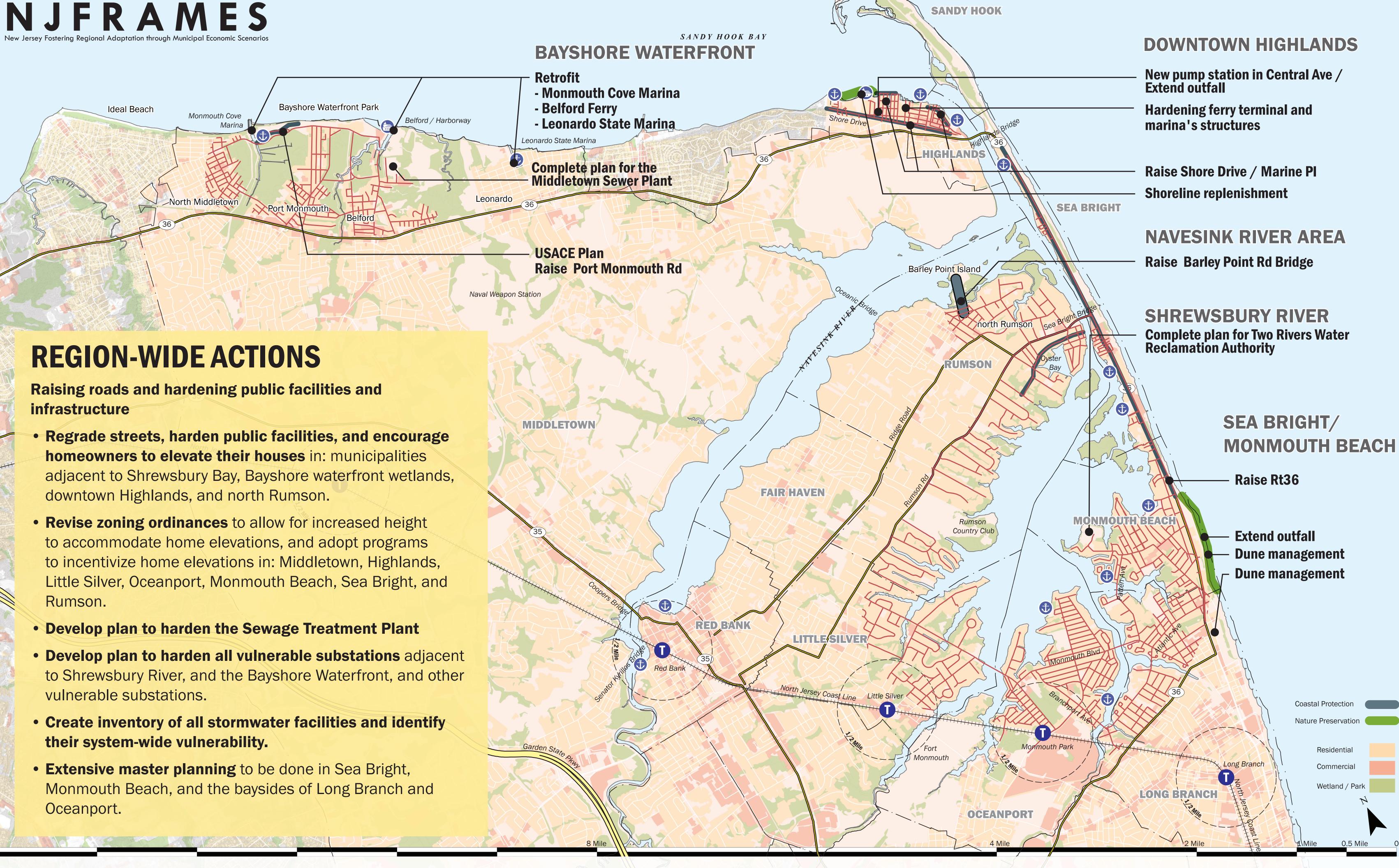
LONG BRANCH

Seashore Day Camp & School

OCEANPOR

FORT MONMOUTH DEPARTMENT OF VETERANS AFFAIRS COMMUNITY BASED OUTPATIENT CLINIC





LIVING WITH WATER: 2030

Probability of TWL reaching El +7ft once a year: 2% PERKINS — EASTMAN **Permanent Inundation: 1.1 ft**



Ideal Beach

BAYSHORE WATERFRONT

Connect to USACE Plan: Bavshore Waterfront Park ford / Harborway

REGION-WIDE ACTIONS

North Middletowr

Port Monr

Continue to be on adapting existing structures, public infrastructure and rebuild existing public facilities. Also includes raising bridges

- Elevate streets and public facilities in: Little Silver, Oceanport, Monmouth Beach, downtown Highlands, Sea Bright, and areas adjacent to wetlands in Middletown.
- Elevate streets south of Ridge Rd and in north Rumson.
- Monmouth County and NJDOT to elevate the Cooper Bridge, Oceanic Bridge, Highlands Bridge and their associated approaches.
- Monmouth County and NJDOT to elevate the Sea Bright Bridge, Patten Avenue, Monmouth Boulevard, and Atlantic Avenue bridges and their associated approaches.
- NJ TRANSIT to complete plans for elevating the NJ Coast Line bridge over the Navesink River, and the two bridges over the Shrewsbury River, and their associated approaches
- Phased approach for public access expansion for all open space areas
- Resiliency bond program to fund, wetland credit program, and other green finance programs to fund the transition of land into open space, floodable development

LIVING WITH WATER: 2050



C

Probability of TWL reaching El +7ft once a year:4% PERKINS — EASTMAN **Permanent Inundation: 2ft**

DOWNTOWN HIGHLANDS



Ideal Beach

BAYSHORE WATERFRONT

Bayshore Waterfront Park

Iford / Harborway

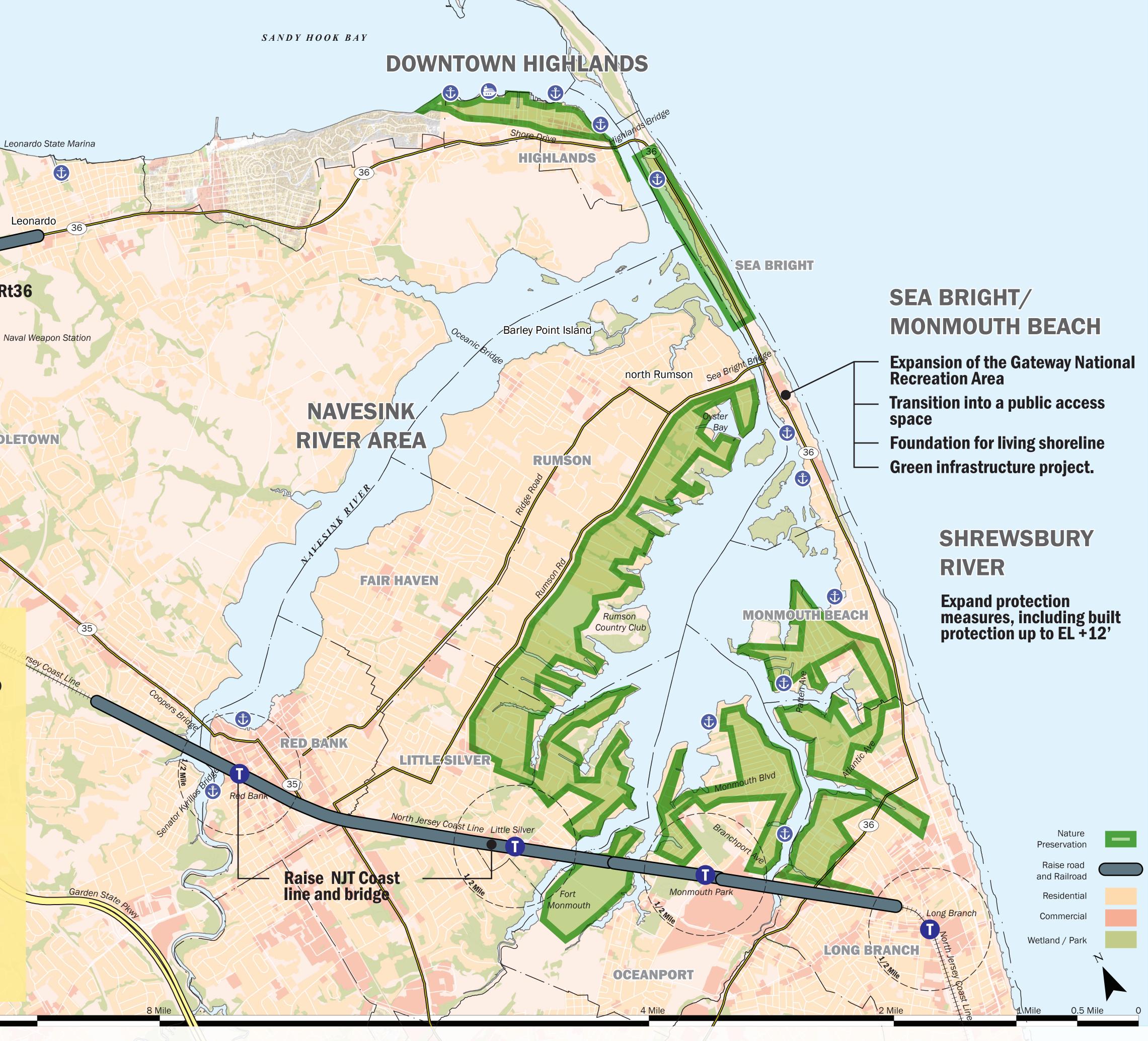
-North Middletown Port Monmouth Raise Rt36 MIDDLETOWN

REGION-WIDE ACTIONS

Hardening transportation infrastructure necessary to support the greater Jersey Shore region

- NJ TRANSIT to elevate the NJ Coast Line bridge over the Navesink River, and the two rail bridges over the Shrewsbury River, and their associated approaches.
- NJDOT to elevate vulnerable sections of Route 36 in Middletown
- The expansion of the Gateway National Recreation Area and the barrier island transition back to its original function as a dynamic natural area protecting the back side of the Shrewsbury estuary

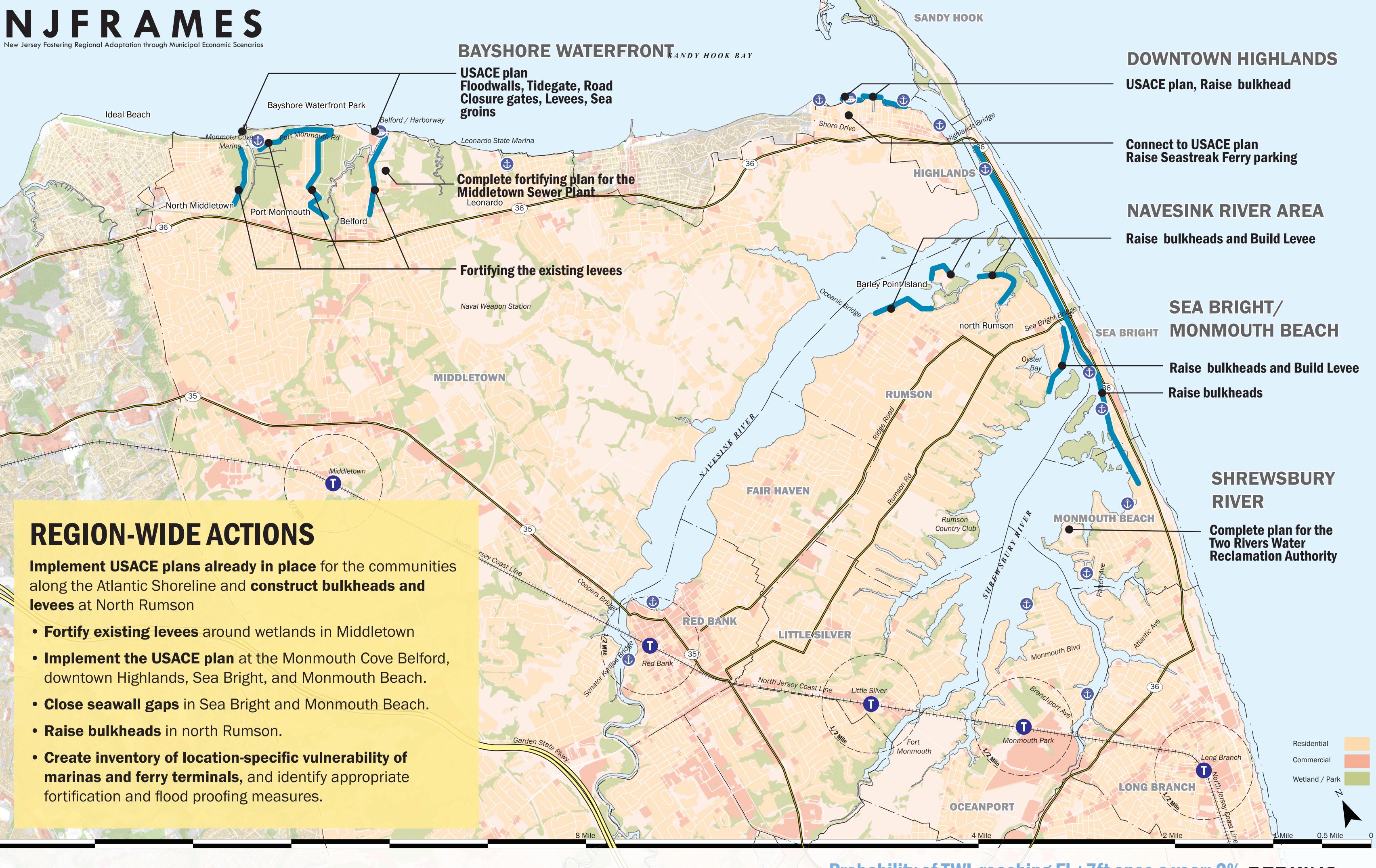
LIVING WITH WATER: 2100



Cont

Probability of TWL reaching El +7ft once a year:100% PERKINS — EASTMAN **Permanent Inundation: 5.3ft**

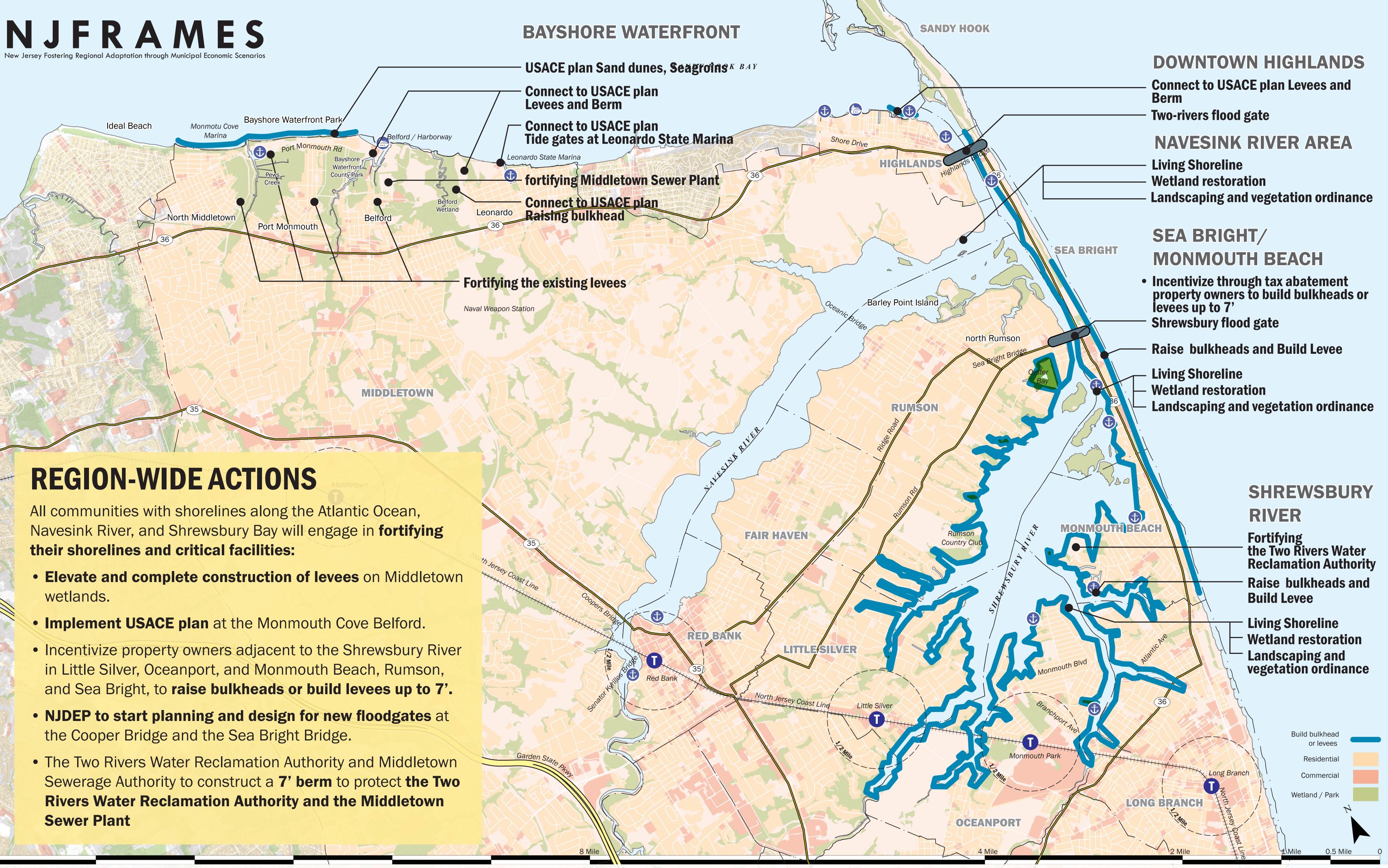




PROTECTING OUR COMMUNITIES FROM THE WATER: 2030

Probability of TWL reaching El +7ft once a year: 2% PERKINS — EASTMAN **Permanent Inundation: 1.1ft**

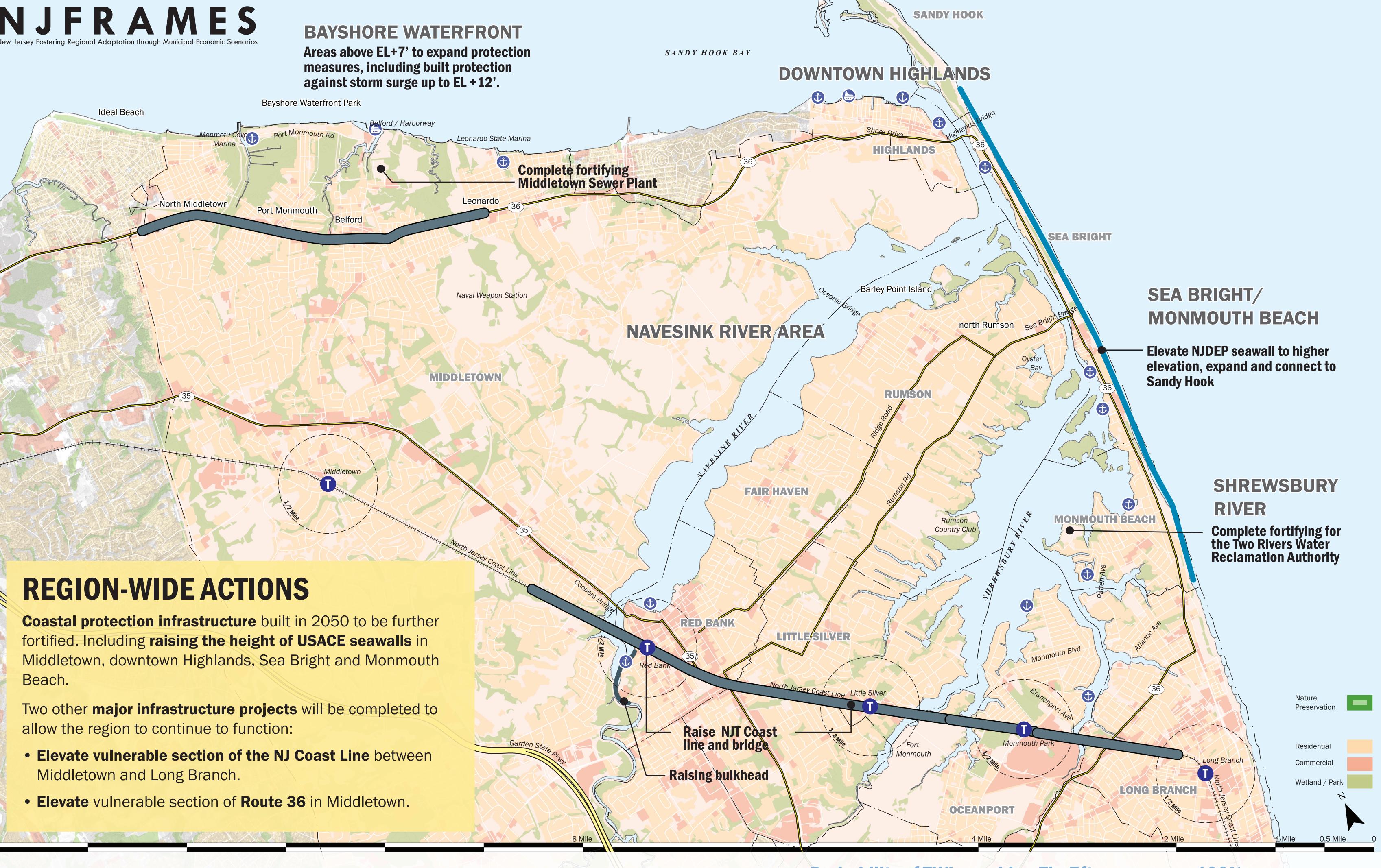




PROTECTING OUR COMMUNITIES FROM THE WATER: 2050

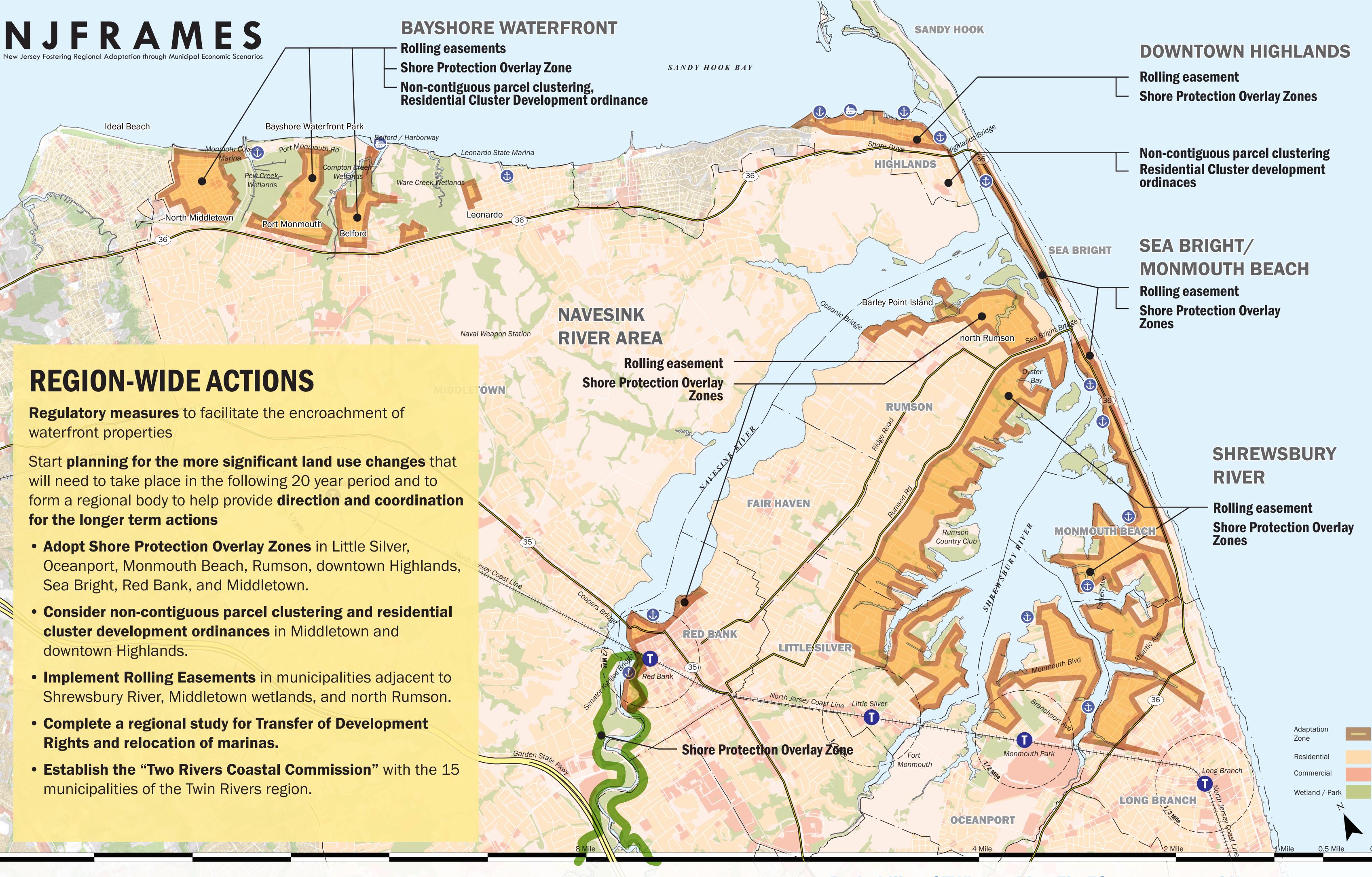
Probability of TWL reaching El +7ft once a year:4% PERKINS — EASTMAN **Permanent Inundation: 2ft**





PROTECTING OUR COMMUNITIES FROM THE WATER: 2100

Probability of TWL reaching El +7ft once a year:100% PERKINS — EASTMAN **Permanent Inundation: 5.3ft**



MOVING AWAY FROM THE WATER: 2030

Probability of TWL reaching El +7ft once a year: 2% PERKINS — EASTMAN **Permanent Inundation: 1.1ft**



BAYSHORE WATERFRONT

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REGION-WIDE ACTIONS

- Update Shore Protection Overlay Zones in Little Silver, Oceanport, Monmouth Beach, Rumson, Downtown Highlands, Sea Bright, Red Bank, and Middletown.
- Adopt non-contiguous parcel clustering and residential cluster development ordinances in Middletown and downtown Highlands.
- **Continue use of Rolling Easements** in municipalities adjacent to Shrewsbury River, Middletown wetlands, and north Rumson.
- Twin River Coastal Commission to establish a Transfer of **Development Rights program and revise zoning in the** areas identified as receiving areas to accommodate increased development.
- Two Rivers Water Reclamation Authority to complete plans for the relocation
- Designate Middletown wetlands as an Ecological Reserve.

MOVING AWAY FROM THE WATER: 2050

Continue to use rolling easements Update shore protection overlay zones

SANDY HOOK BAY

Critical facility adjustment plan

Encouraging development

Naval Weapon Statior

NAVESINK **RIVER AREA**

Continue to use rolling easement

Update shore protection overlay zones

RED BANK

FAIR HAVEN

ersey Coast Line

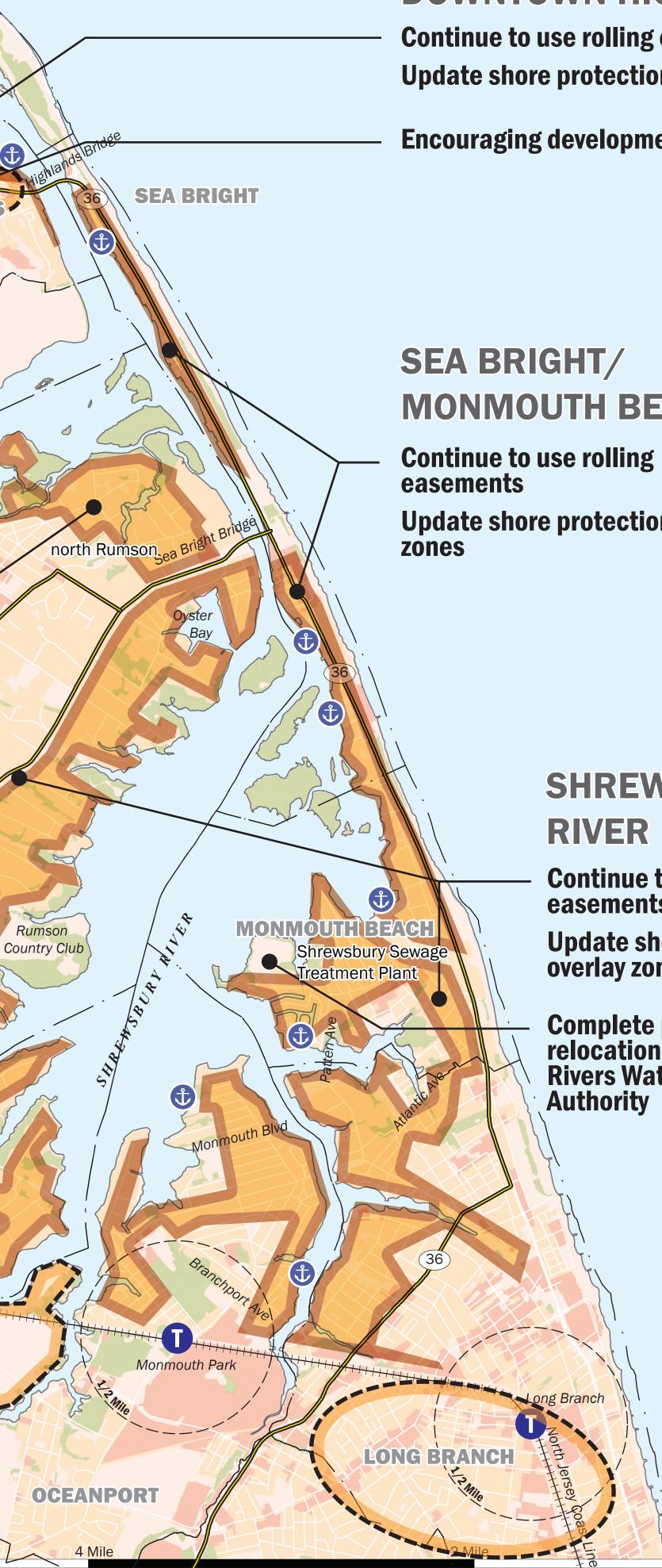
LITTLESILVER



Cont

Barley Point Island

RUMSON



DOWNTOWN HIGHLANDS

Continue to use rolling easements Update shore protection overlay zones

Encouraging development

MONMOUTH BEACH

Update shore protection overlay

SHREWSBURY

Continue to use rolling easements

Update shore protection overlay zones

Complete plans for the relocation of the Two **Rivers Water Reclamation**

Potential Growth Area

Adaptation

Residential

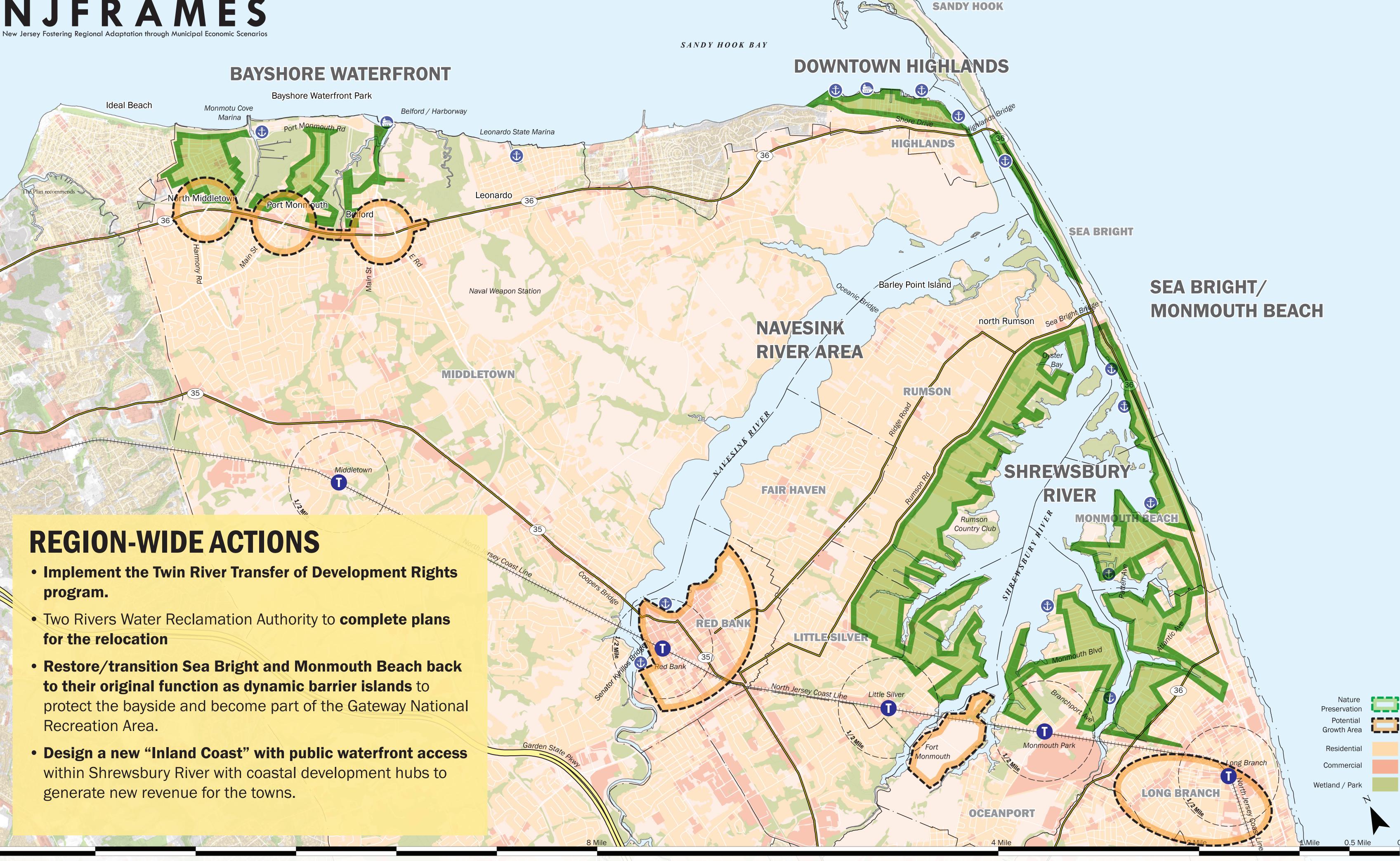
Commercial

Wetland / Park

Zone

Probability of TWL reaching El +7ft once a year:4% PERKINS — EASTMAN **Permanent Inundation: 2ft**





MOVING AWAY FROM THE WATER: 2100

Probability of TWL reaching El +7ft once a year:100% PERKINS — EASTMAN **Permanent Inundation: 5.3ft**