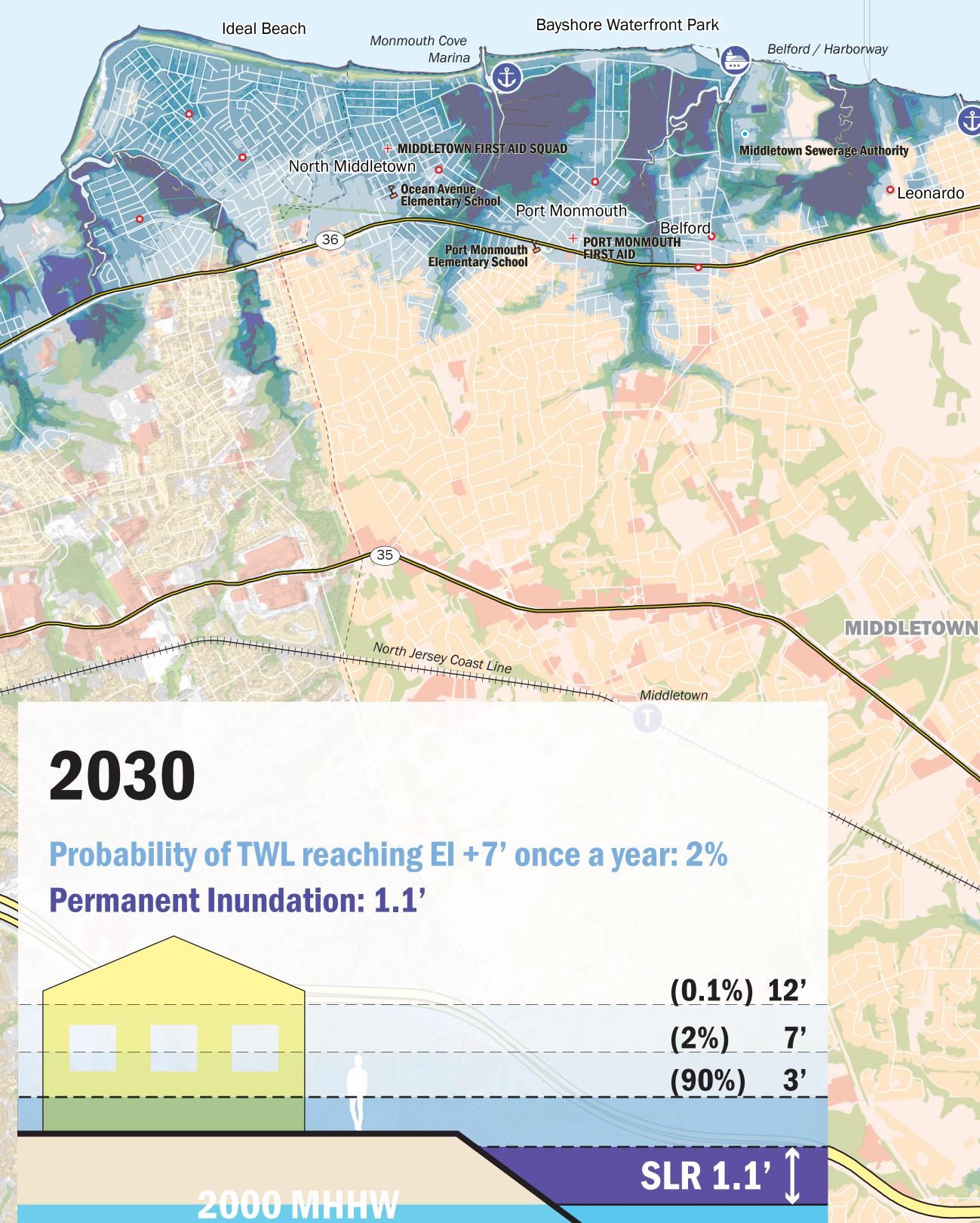
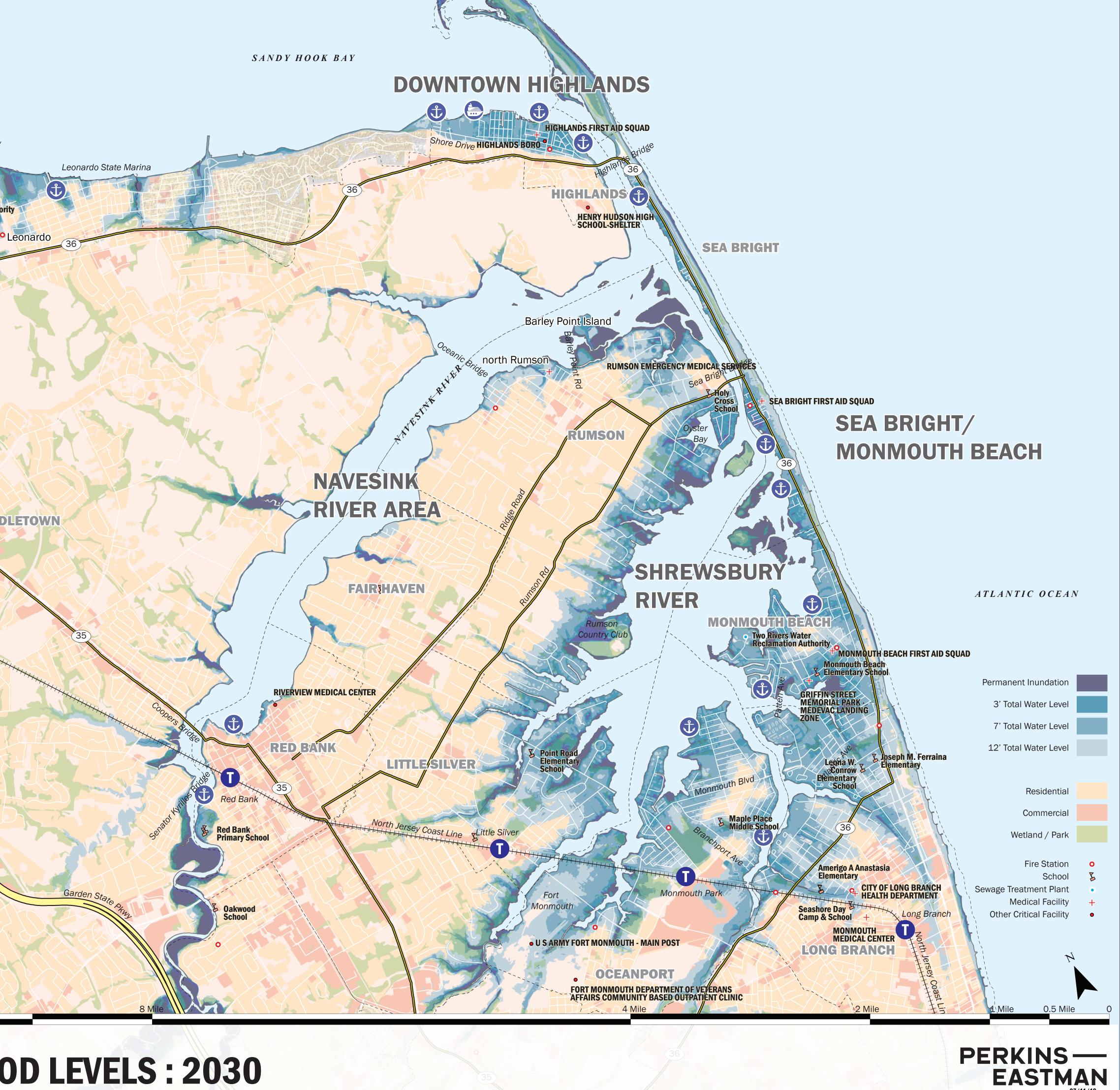


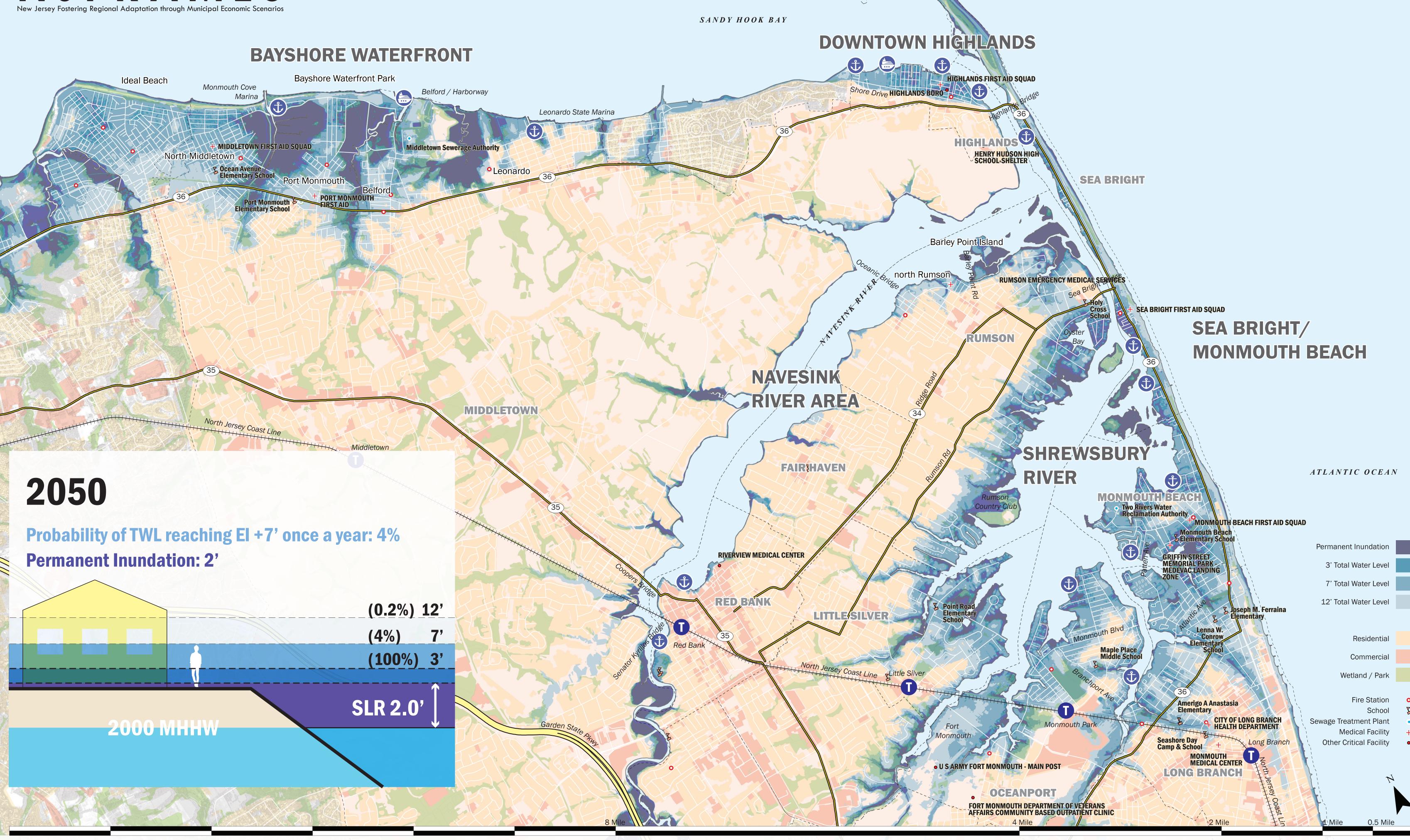
### **BAYSHORE WATERFRONT**



**PROJECTED SEA LEVEL RISE AND FLOOD LEVELS : 2030** 







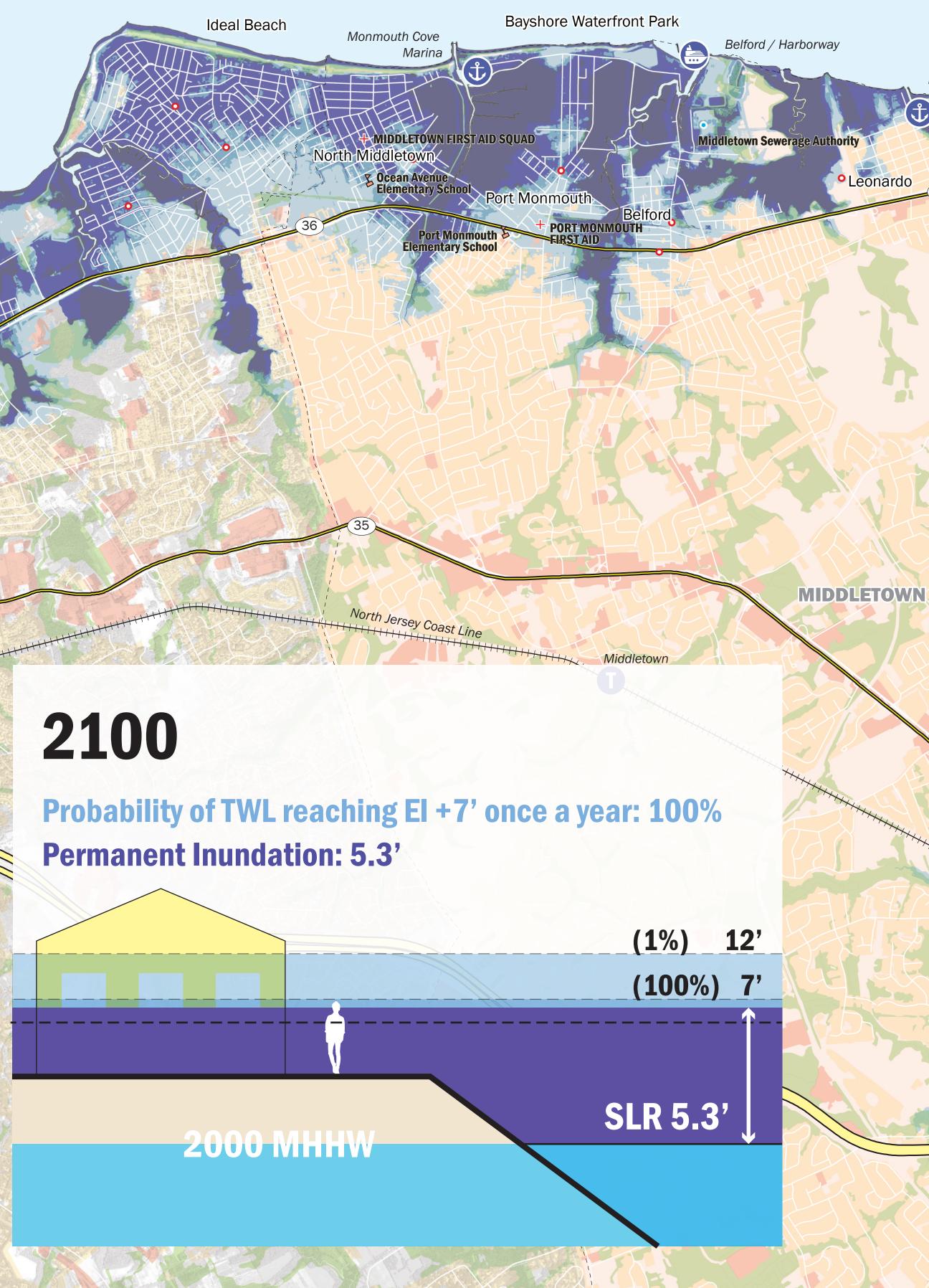
52mil

# **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

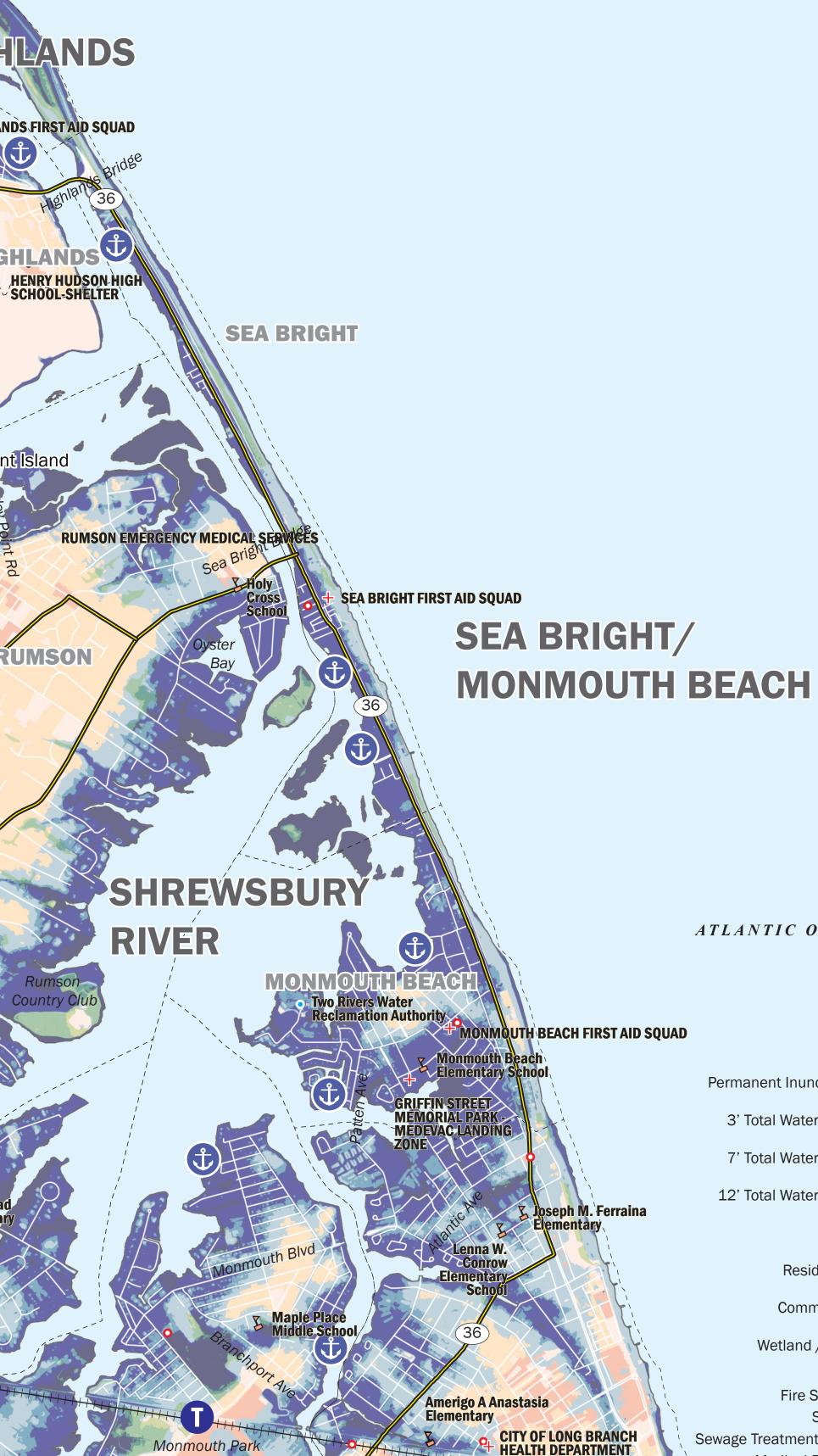
**RIVERVIEW MEDICAL CENT** 

**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

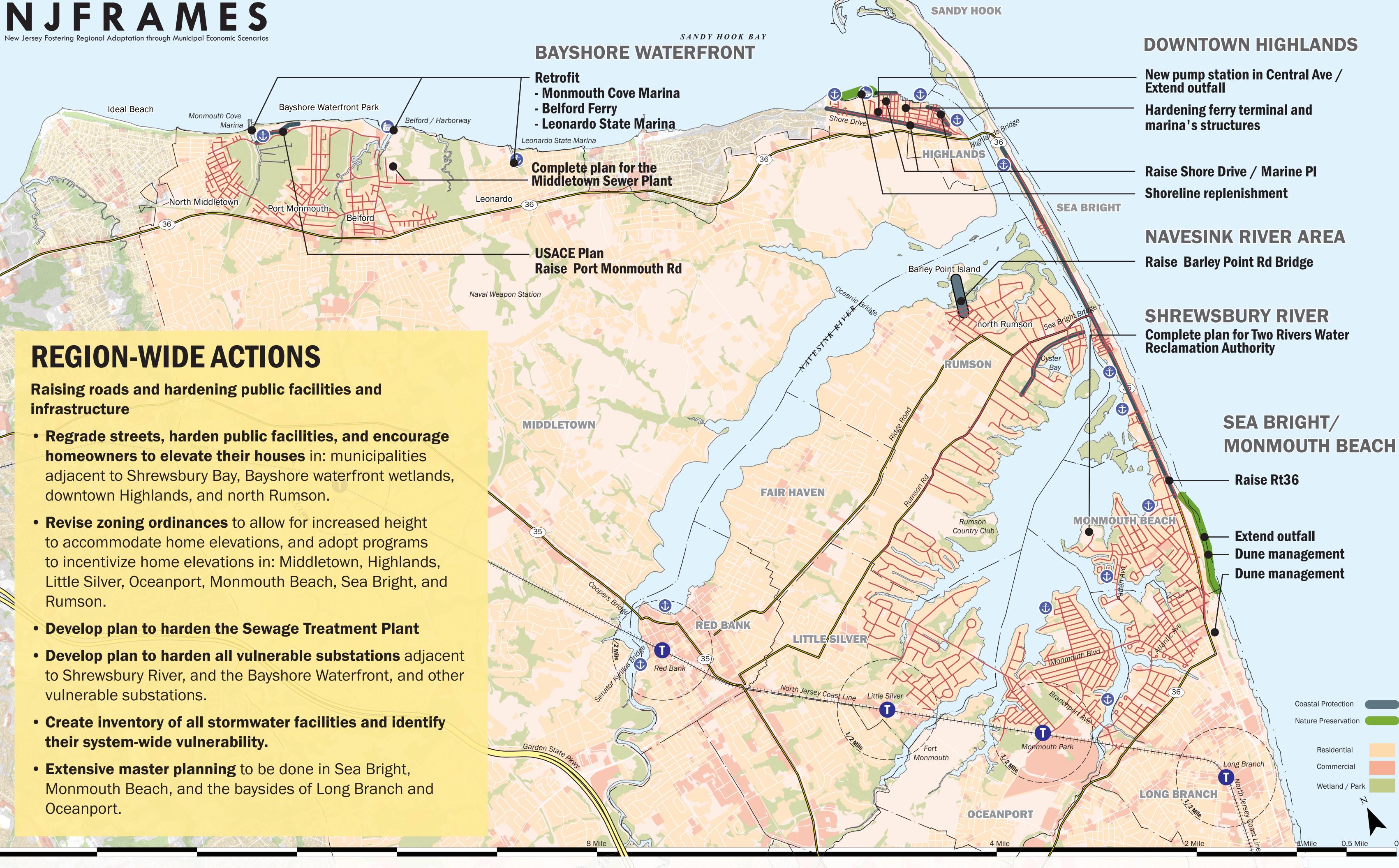
LONG BRANCH

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

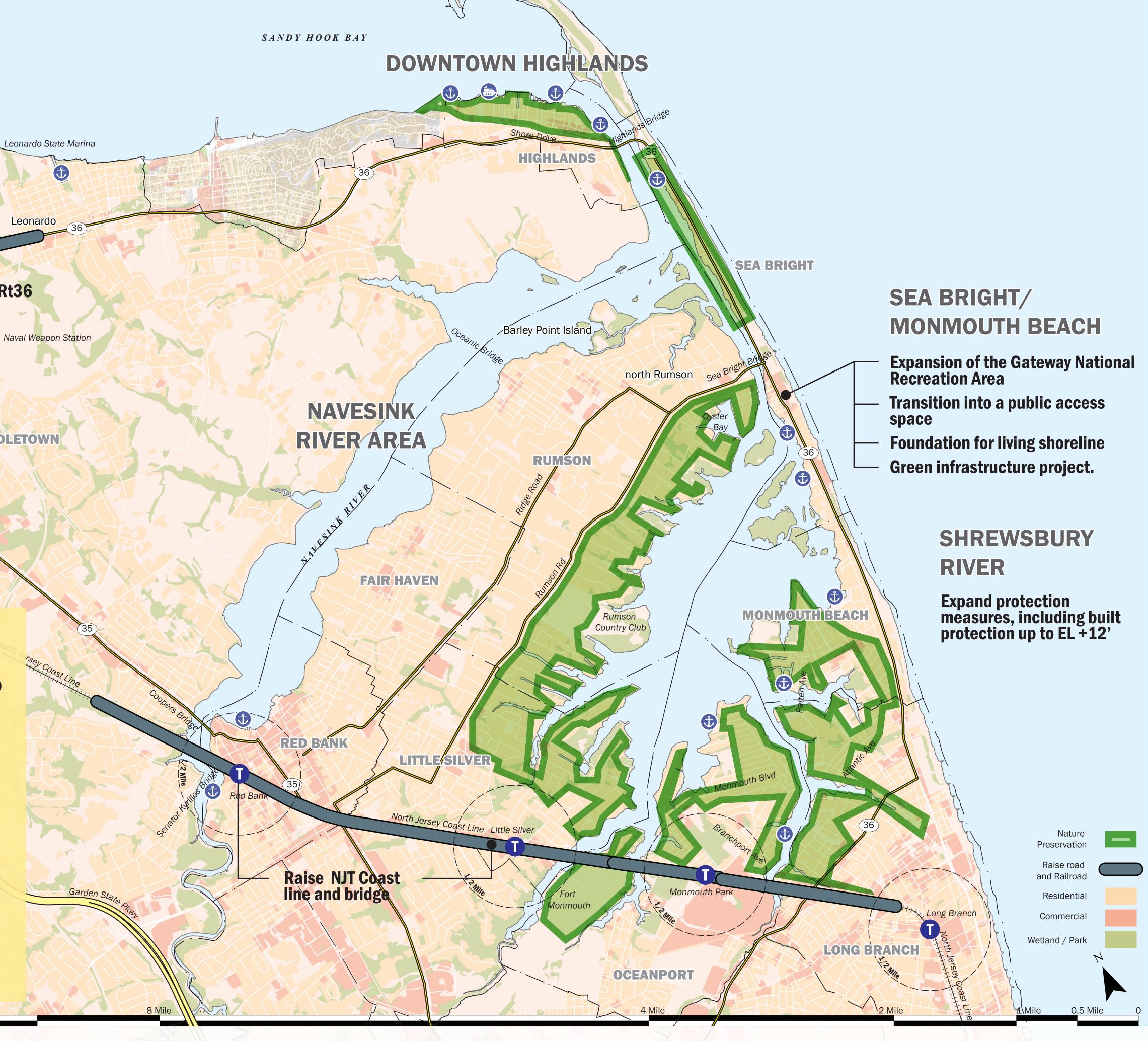
# -North Middletown Port Monmouth Raise Rt36 MIDDLETOWN

# **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

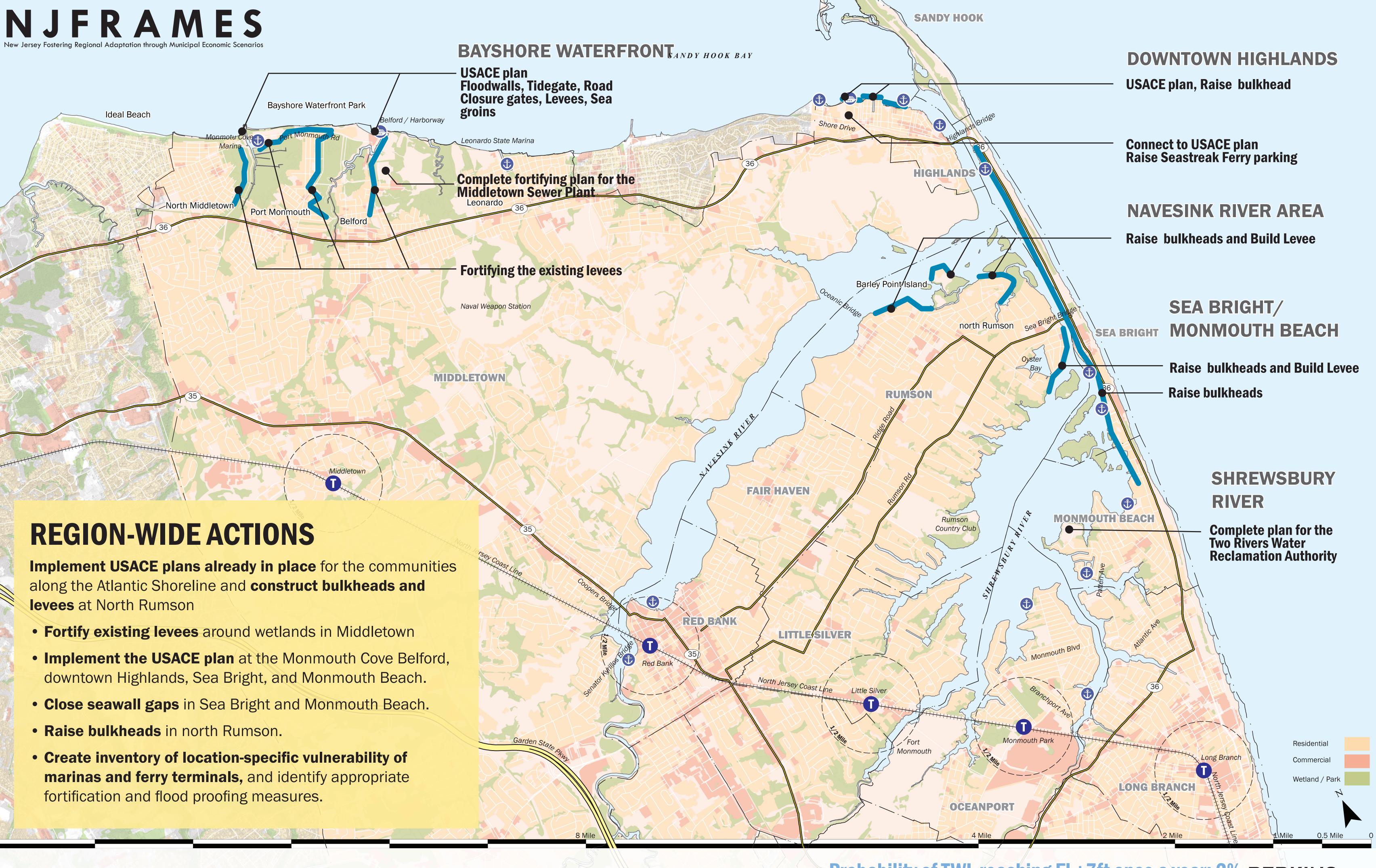
# **LIVING WITH WATER: 2100**



Cont

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

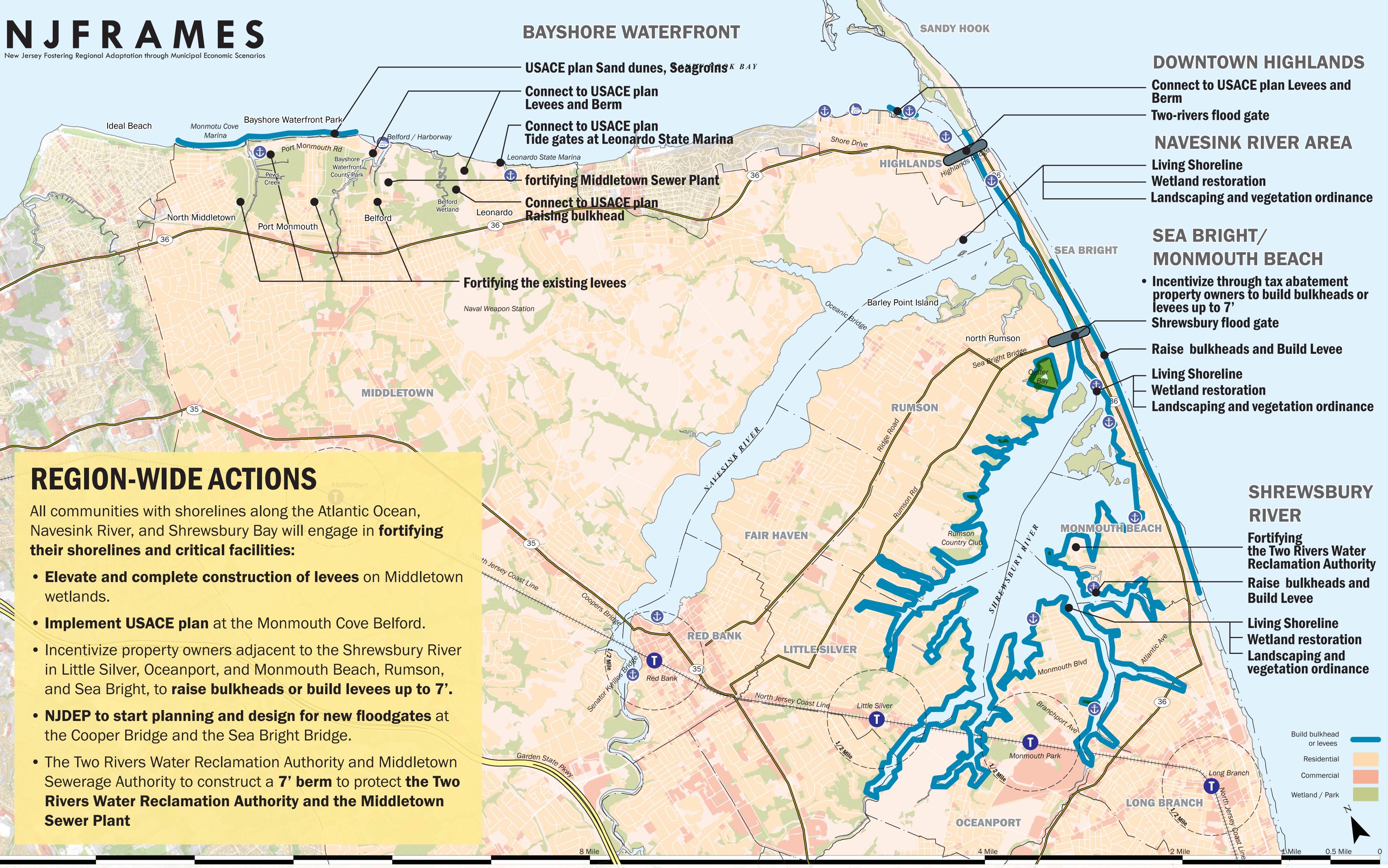




# **PROTECTING OUR COMMUNITIES FROM THE WATER: 2030**

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

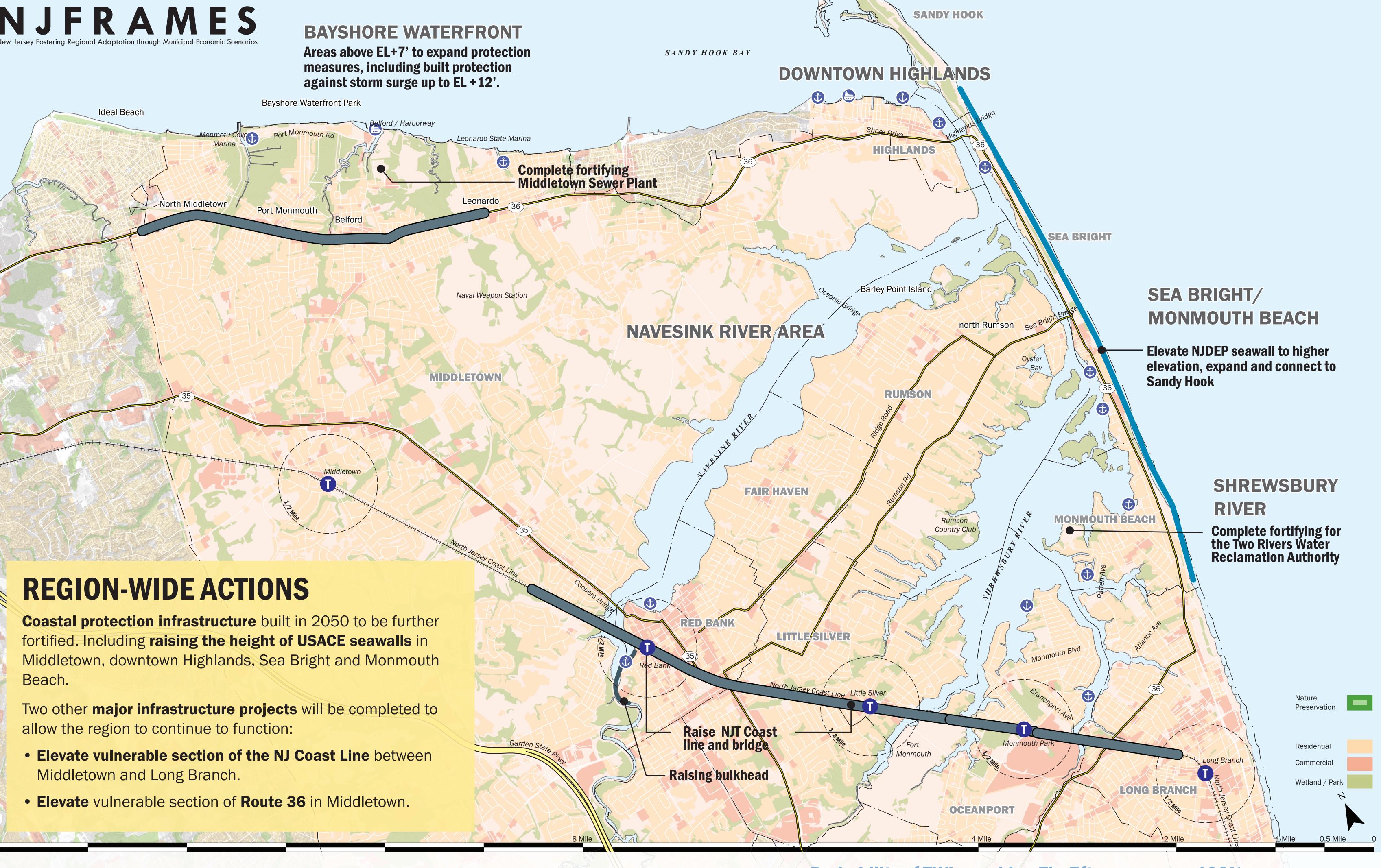




# **PROTECTING OUR COMMUNITIES FROM THE WATER: 2050**

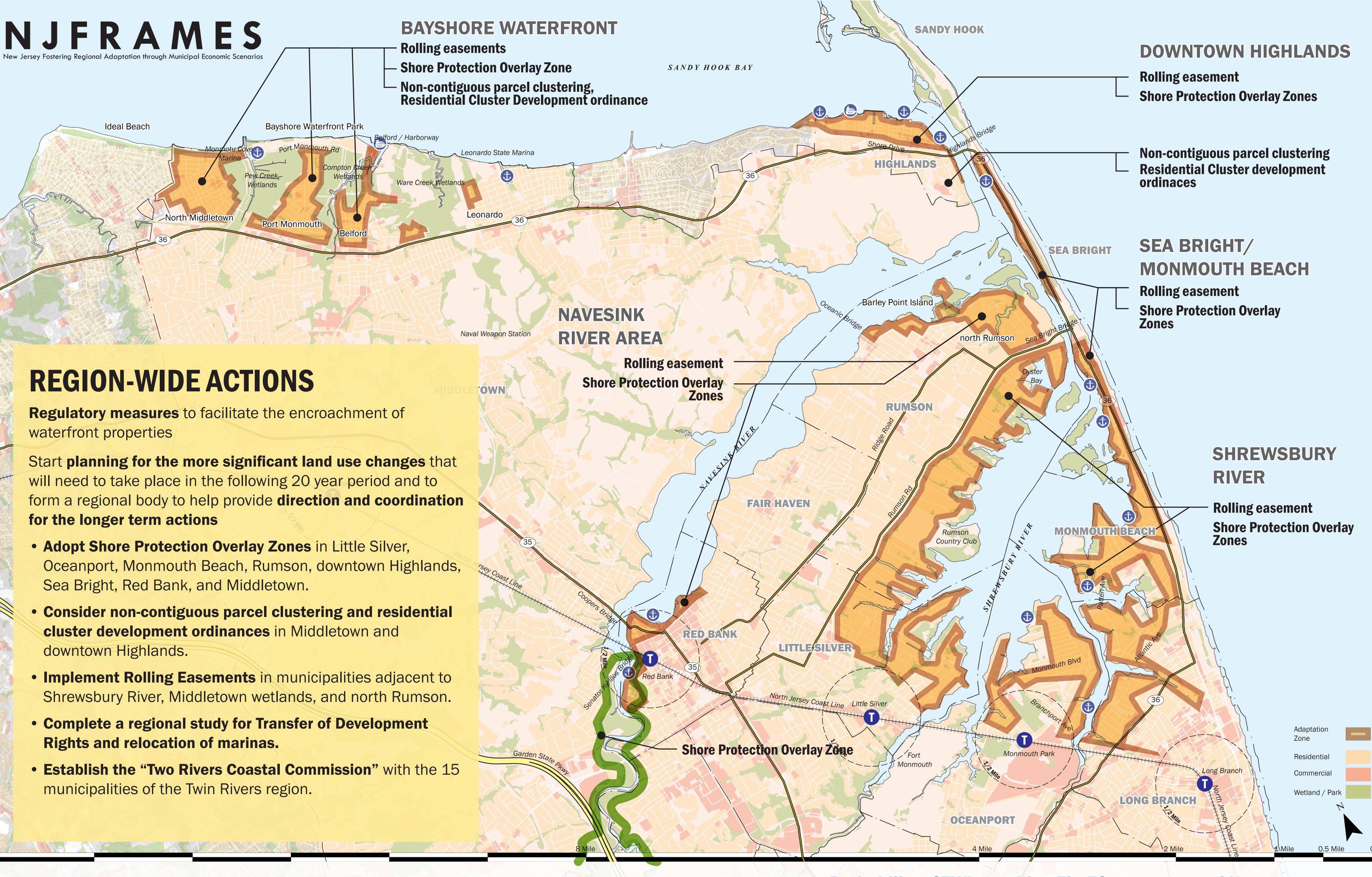
**Probability of TWL reaching El +7ft once a year:4%** PERKINS — EASTMAN **Permanent Inundation: 2ft** 





# **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

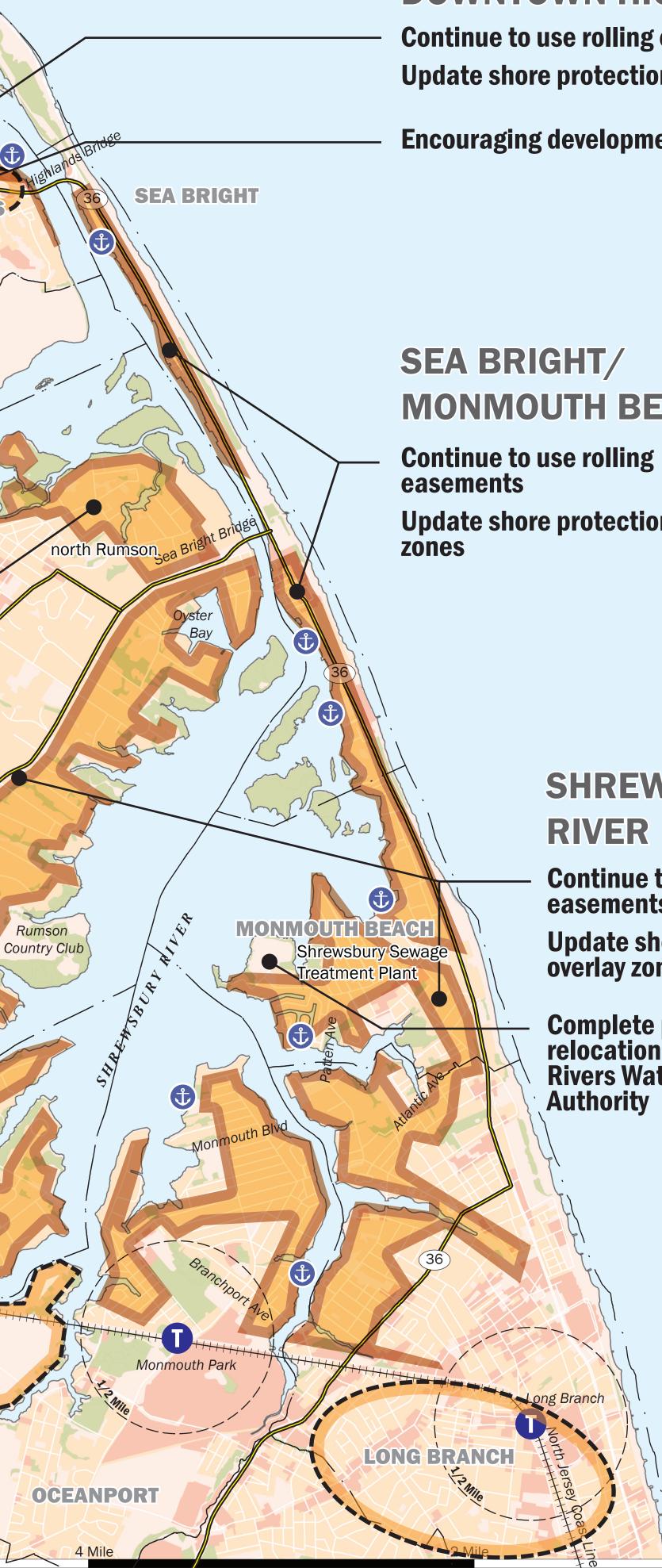
LITTLESILVER



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

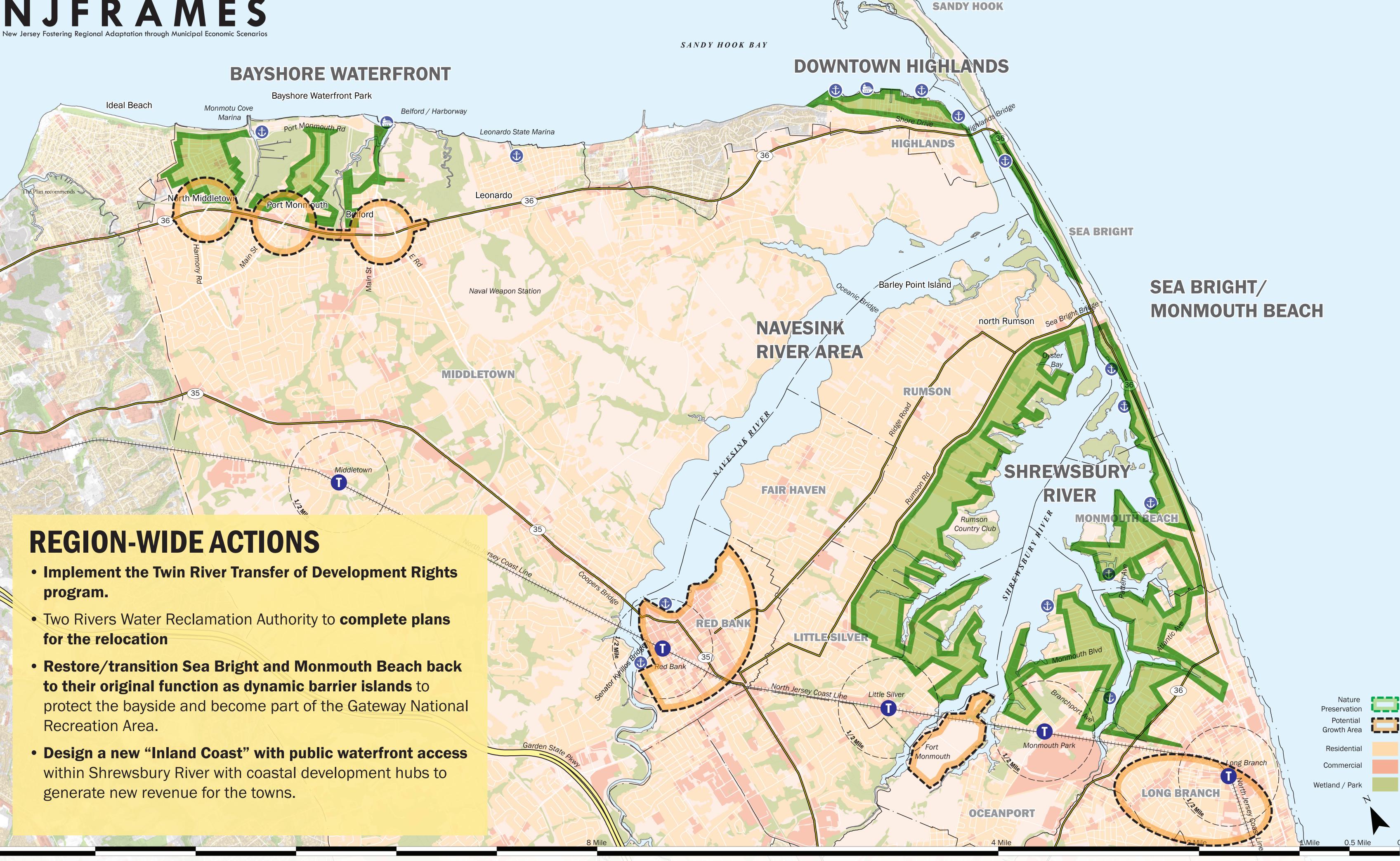
Commercial

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**