

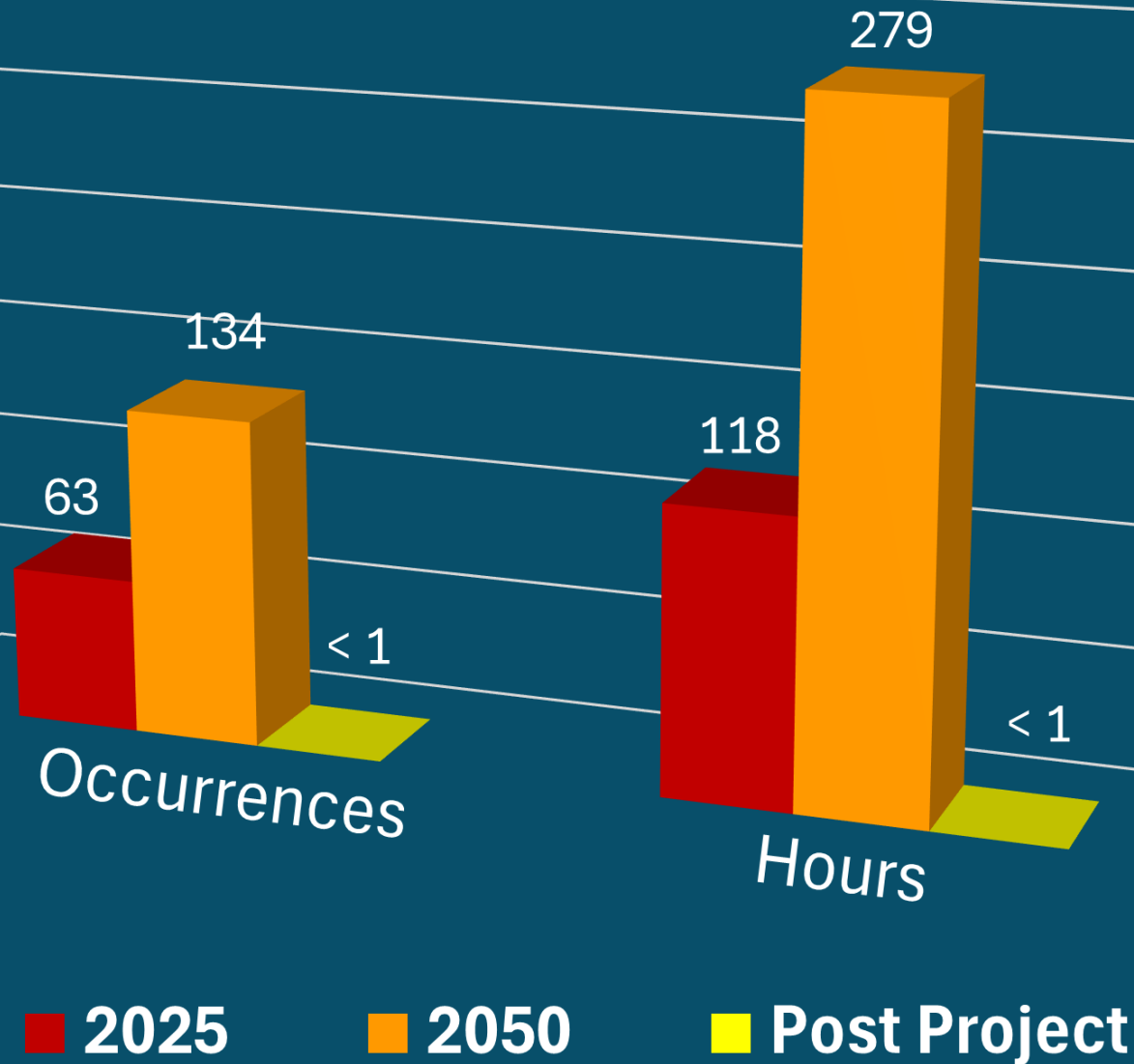
Save the Shore

A COMPREHENSIVE APPROACH TO FLOOD
MITIGATION IN COASTAL COMMUNITIES

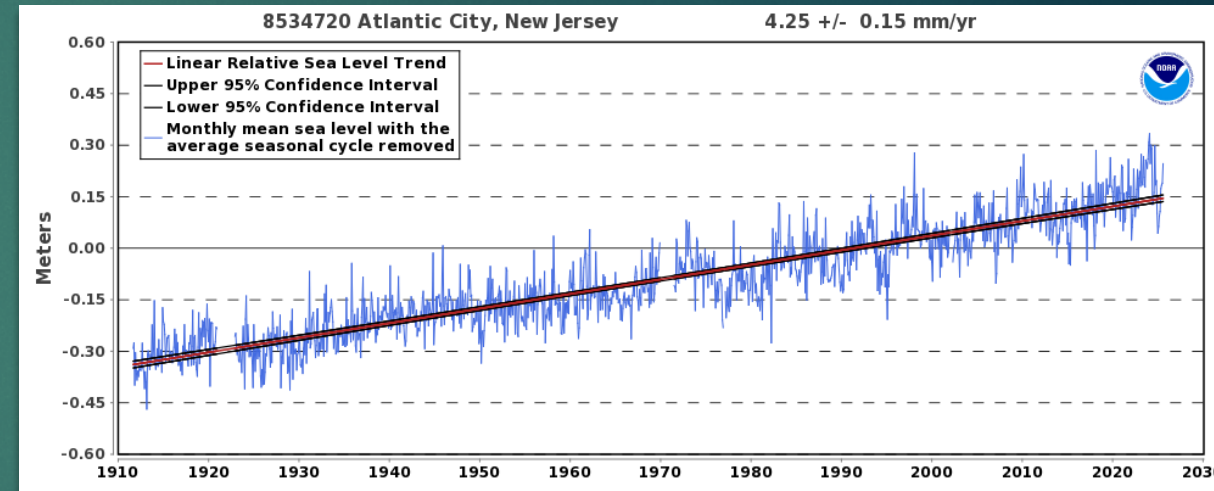
BOROUGH OF MANASQUAN



Main St East of Bridge - Closures



Impacts of Sea Level Rise



Flood Mitigation Strategies

- ▶ Retreat
- ▶ Surround / Walls
Levees
- ▶ Elevate



Objective

To assess the full extent of the coastal flood risk in Manasquan, accounting for sea level rise, and develop a comprehensive, scalable, and cost-effective mitigation plan that addresses flooding up to major coastal events with a phased implementation.

- ▶ **Enhance public safety**
- ▶ **Protect property**
- ▶ **Improve transportation**
- ▶ **Strengthen the overall quality of life**



Plan Strategies

- ▶ Elevate
 - ▶ Roads
 - ▶ Infrastructure
 - ▶ Utilities
- ▶ Flood walls
- ▶ Drainage upgrades
- ▶ Property restoration



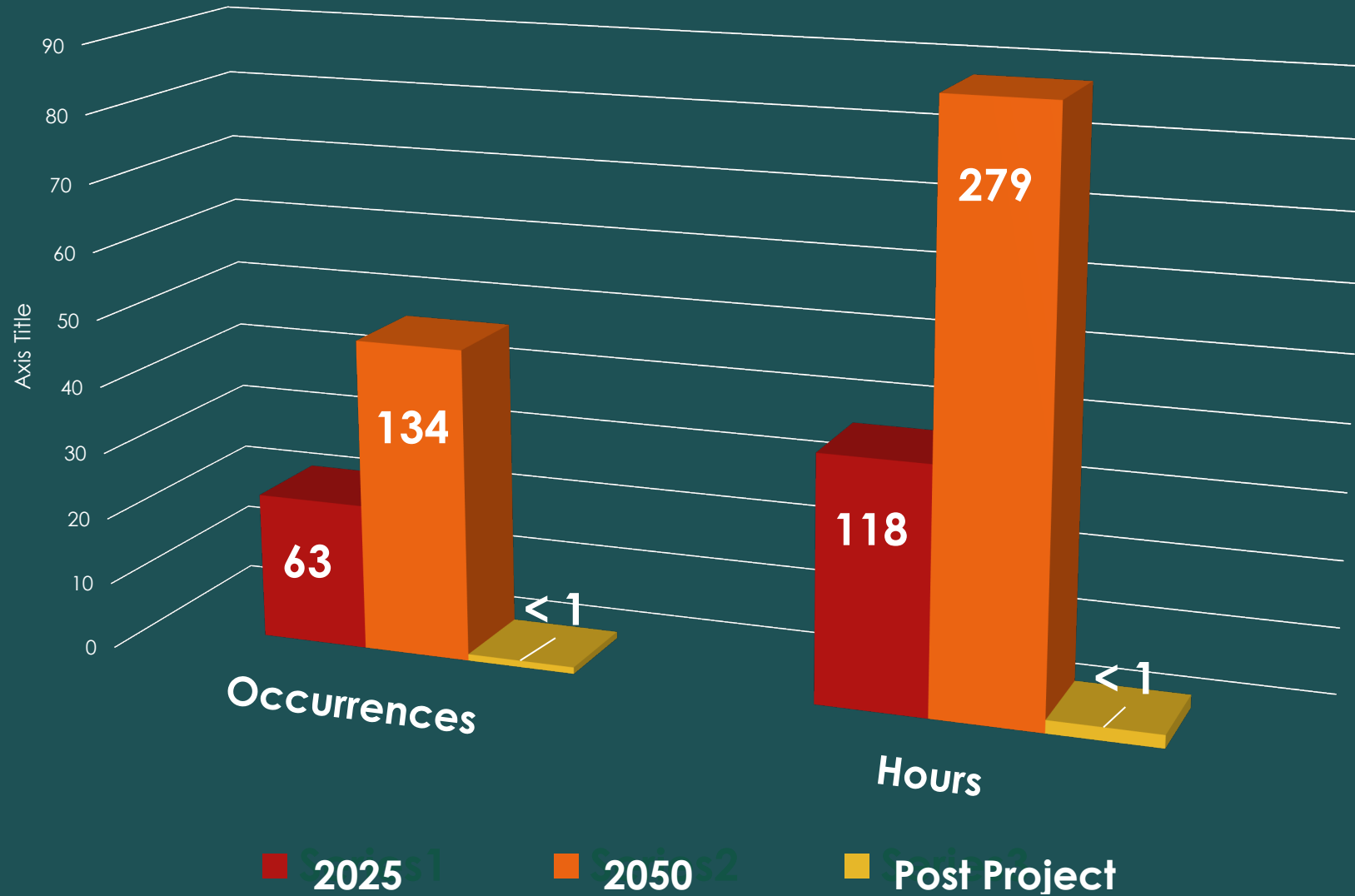
Manasquan's Flood Mitigation Plan

- ▶ 9 miles of roadway elevated
- ▶ 3 flood walls
- ▶ 36 stormwater outfalls and drainage
- ▶ New water & sanitary sewer throughout

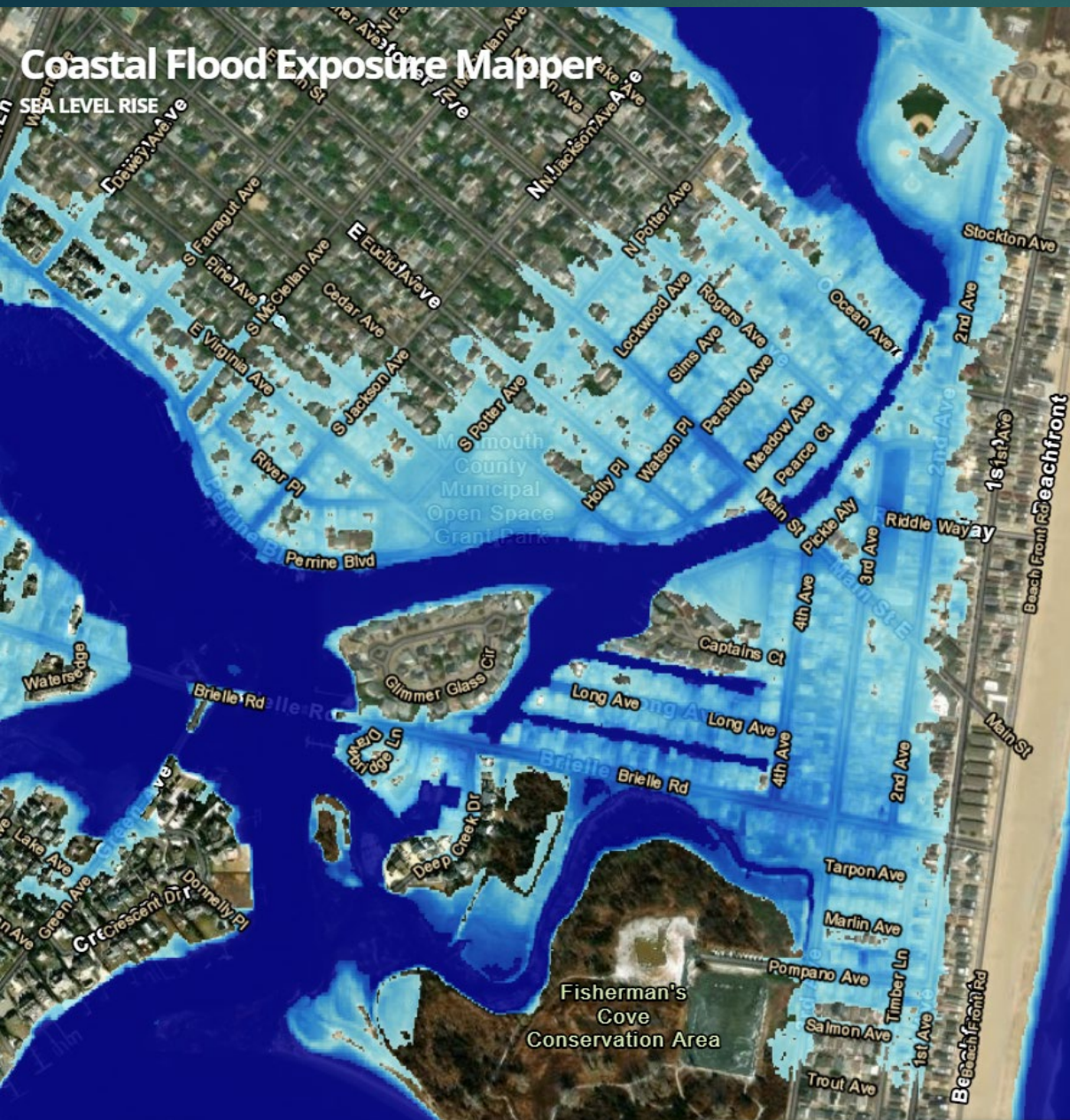


Borough of Manasquan
FLOOD MITIGATION PLAN
September 2025

Main Street East of Bridge - Annual Closures



CURRENT INUNDATION 5.0' NAVD88



POST PROJECT INUNDATION 5.0' NAVD88



Manasquan's Flood Mitigation Plan

- ▶ 1400 residences protected
- ▶ 9 miles of roadway elevated
- ▶ Evacuation route secured – 30 yr storm
- ▶ Reduces road closures townwide by 99%
- ▶ Rewind the clock 140 years



Stockton Lake Flood Wall

Details

- ▶ 1300 LF bulkhead
- ▶ 1200 LF flood wall
- ▶ 11 stormwater outfalls
- ▶ \$1.5m

Protects

- ▶ 40 residences
- ▶ 0.5 mi evacuation route
- ▶ Protected thru 30-year event



Perrine Area

Details

- ▶ 2.2 mi elevated roads
- ▶ 11 stormwater outfalls
- ▶ New water & sewer
- ▶ \$3.8m

Protects

- ▶ 160 residences
- ▶ 2.2 mi roadways
- ▶ Marinas & lift station



Perrine Blvd





Main St West

Details

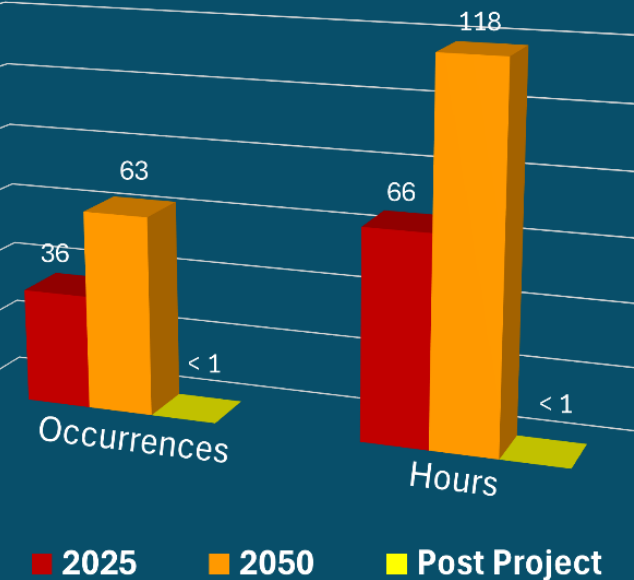
- ▶ 0.5 mi elevated roads
- ▶ 150' flood wall
- ▶ 9 stormwater outfalls
- ▶ New water & sewer
- ▶ \$3.7m

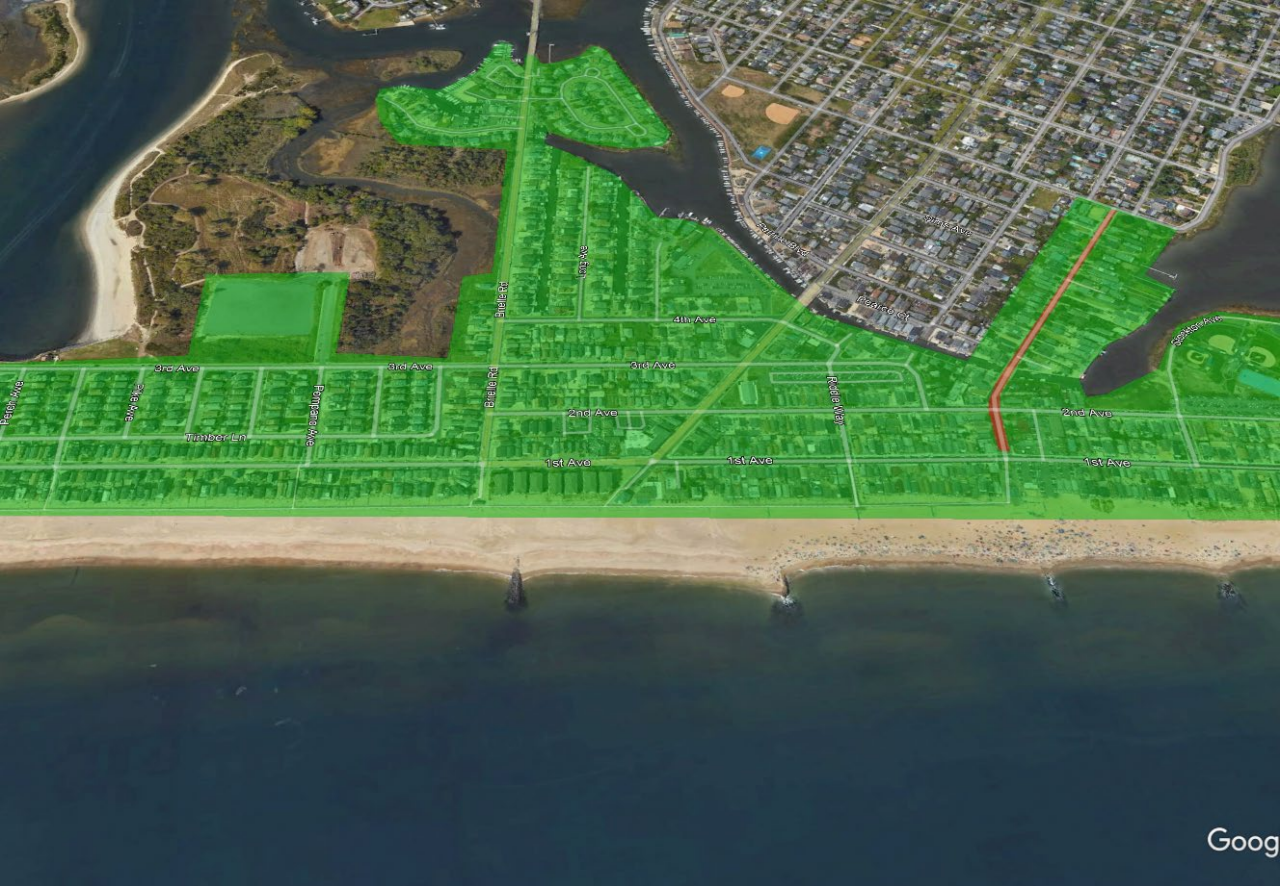
Protects

- ▶ 200 residences
- ▶ 2 mi roadways
- ▶ Marinas & recreational fields



Main St West of Bridge - Closures





Ocean Ave Evacuation Rte

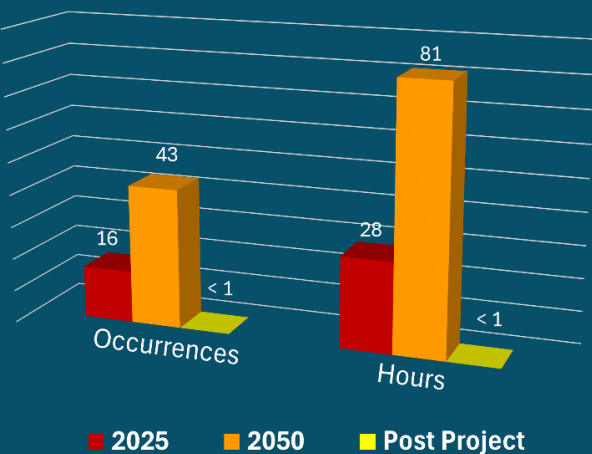
Details

- ▶ 0.3 mi elevated roads
- ▶ New water & sewer
- ▶ \$2.3m

Protects

- ▶ 60 residences
- ▶ Critical evacuation route serving over 1,000 residences and 20 businesses

Ocean Ave Closures



Main St East

Details

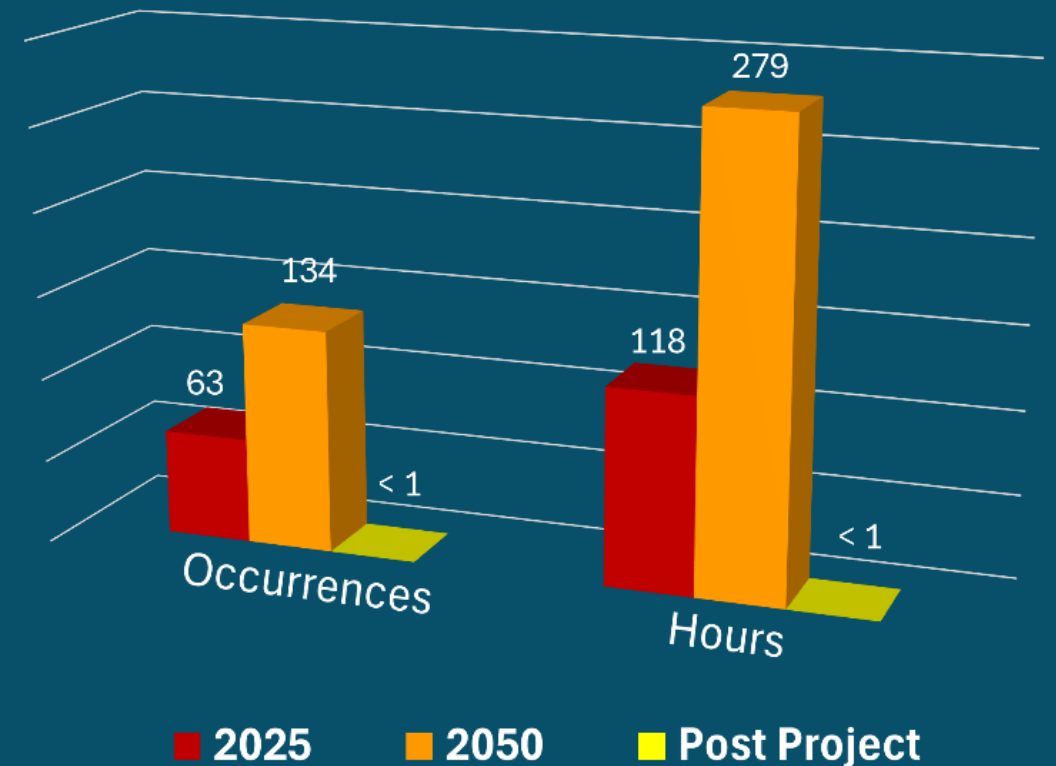
- ▶ 0.5 mi elevated roads
- ▶ 550' flood wall
- ▶ 5 Stormwater outfalls
- ▶ New water & sewer
- ▶ \$1.6m

Protects

- ▶ 100 residences
- ▶ 0.5 mi roadways
- ▶ Marinas & DPW facilities



Main St East of Bridge - Closures



Brielle Road

Details

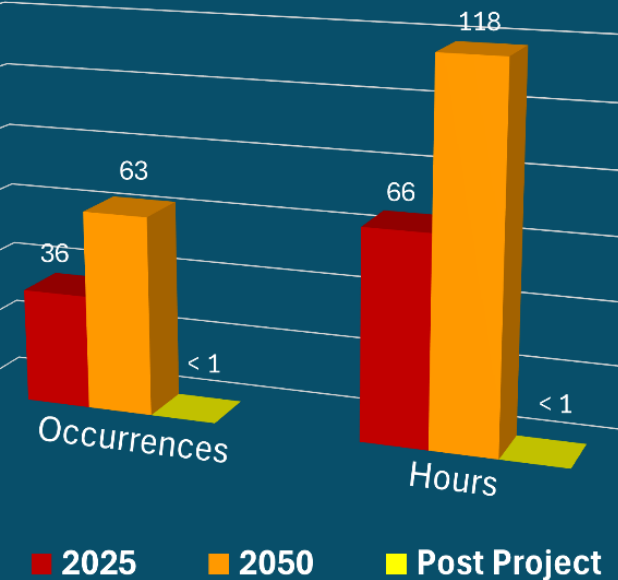
- ▶ 1.5 mi elevated roads
- ▶ 4 stormwater outfalls
- ▶ New water & sewer
- ▶ \$6.7m

Protects

- ▶ 370 residences
- ▶ 1.5 mi roadways
- ▶ Marinas & commercial establishments
- ▶ Evacuation route



Brielle Road - Closures



Brielle Road



2nd Ave Area

Details

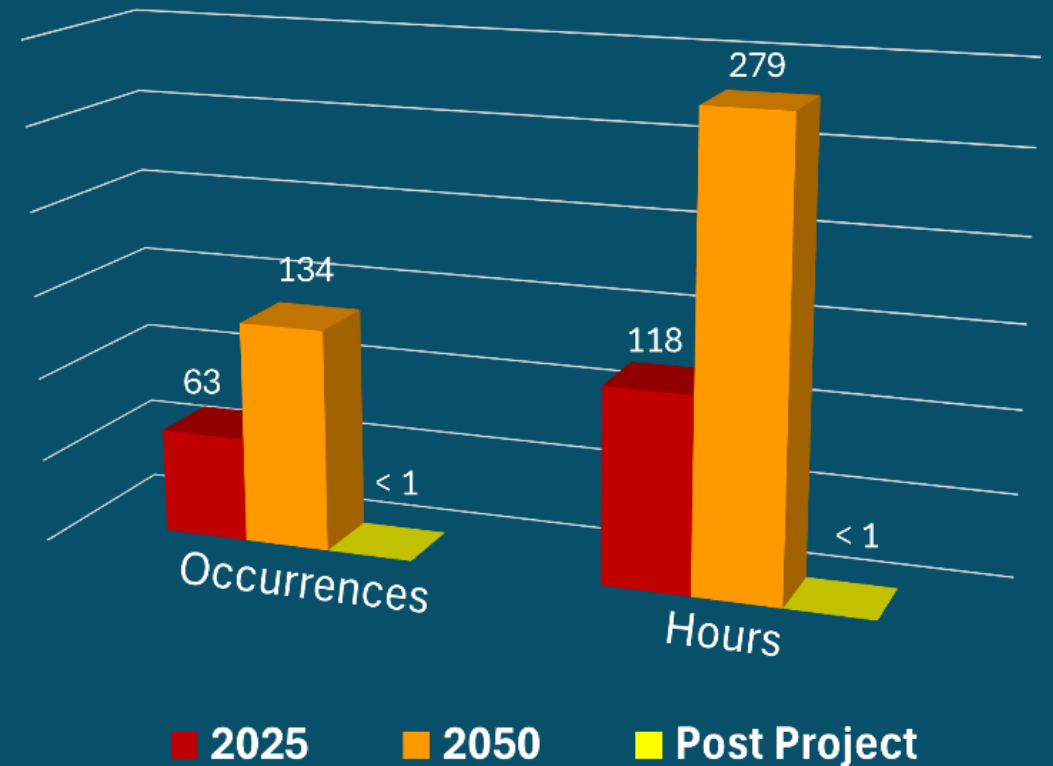
- ▶ 0.5 mi elevated roads
- ▶ 3 stormwater outfalls
- ▶ New water & sewer
- ▶ \$2.7m

Protects

- ▶ 76 residences
- ▶ 0.5 mi roadways
- ▶ DPW facilities
- ▶ Recreational complex
- ▶ House of worship



2nd Ave Closures



Paving Tie-In

Details

- ▶ 1.6 mi elevated roads
- ▶ Upgraded drainage
- ▶ New water & sewer
- ▶ \$2.5m

Protects

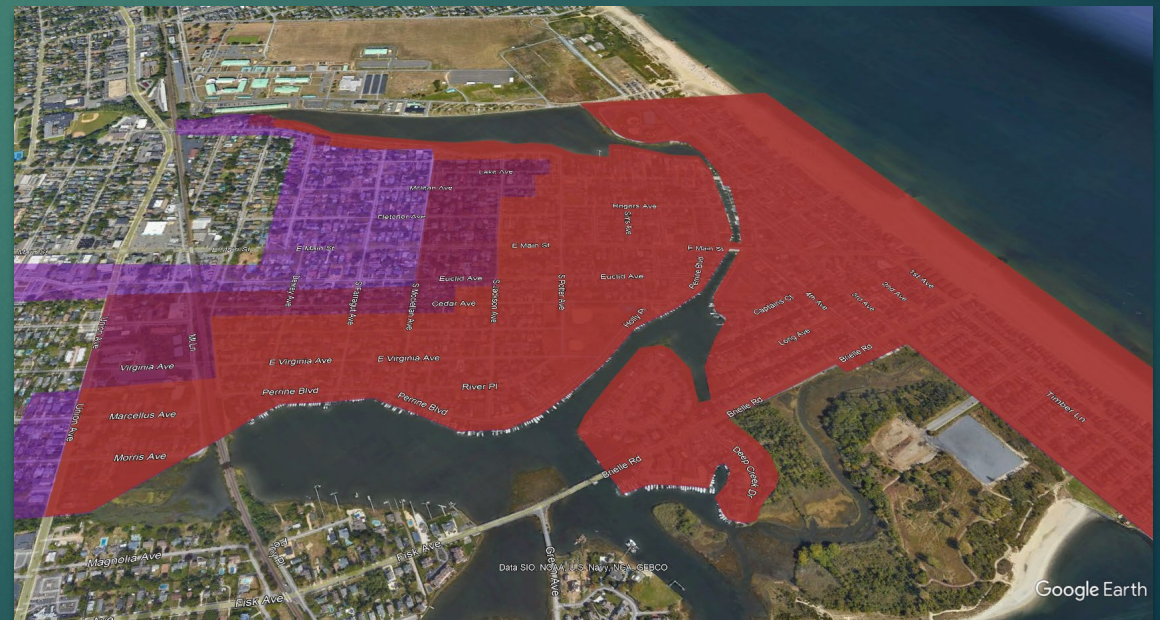
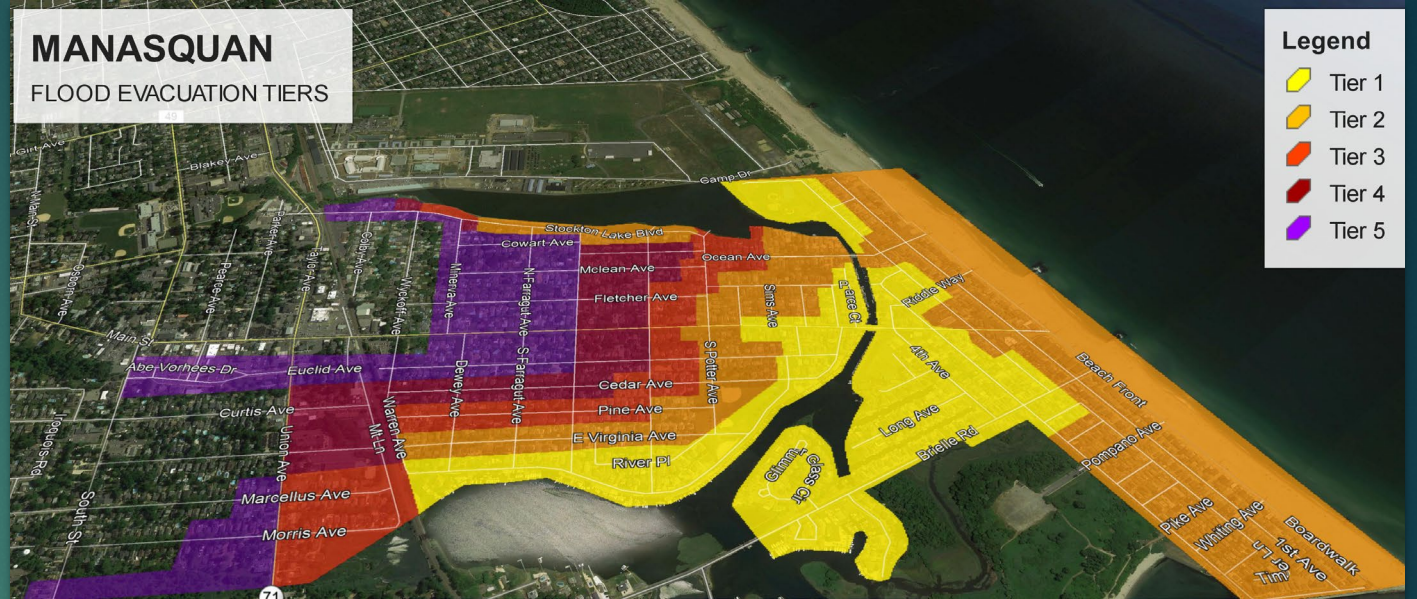
- ▶ 296 residences
- ▶ 1.6 mi roadways
- ▶ DPW facilities
- ▶ 3 commercial establishments
- ▶ House of worship



Evacuations

MANDATORY
EVACUATION

MANASQUAN FLOOD EVACUATION TIERS



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MITIGATION IN COASTAL COMMUNITIES

BOROUGH OF MANASQUAN

