

Floodplain Management on Cape Cod

October 7, 2020

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Cape Cod Cooperative Extension
Woods Hole Sea Grant

Assembly of
Delegates

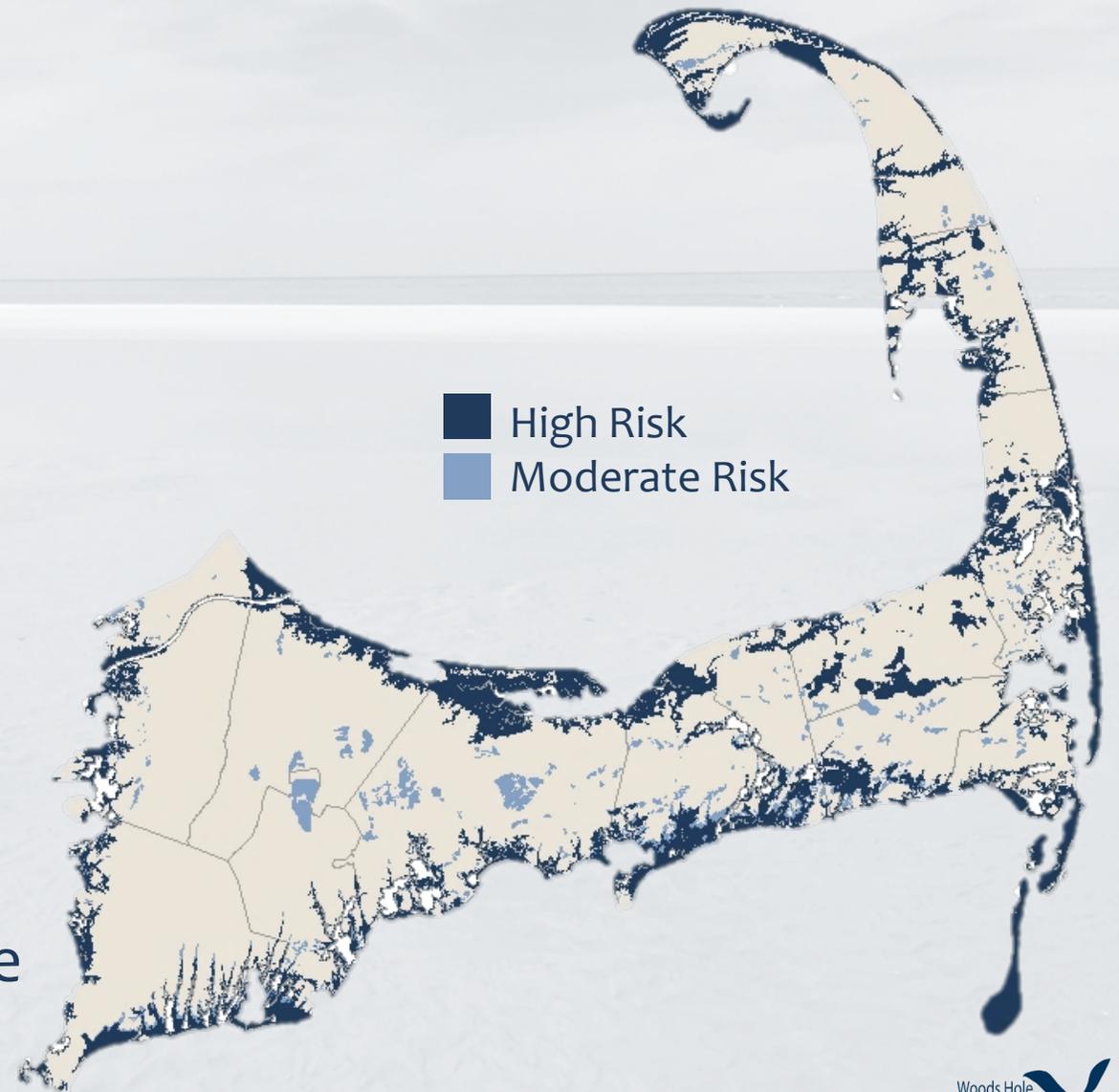
Floodplain Specialist & CRS Coordinator

- National Flood Insurance Program (NFIP)
- Community Rating System (CRS)
- Flooding, sea level rise, adaptation, and resilience



Cape Cod Floodplains

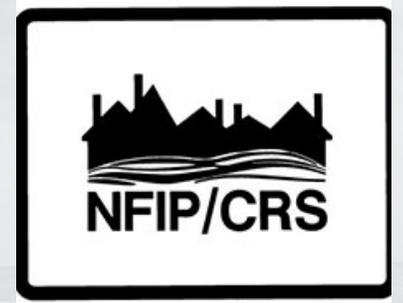
- National Flood Insurance Program
- Mandatory Purchase Requirement
- Building regulations/50% rule
- 52,000 acres (20% of land area)
- 28,000 parcels
- \$10.5 billion value
- \$2.8 billion flood insurance coverage
- \$15 million annual flood insurance premiums



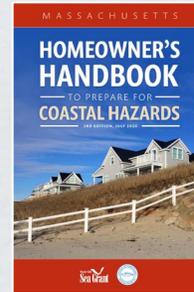
Community Rating System



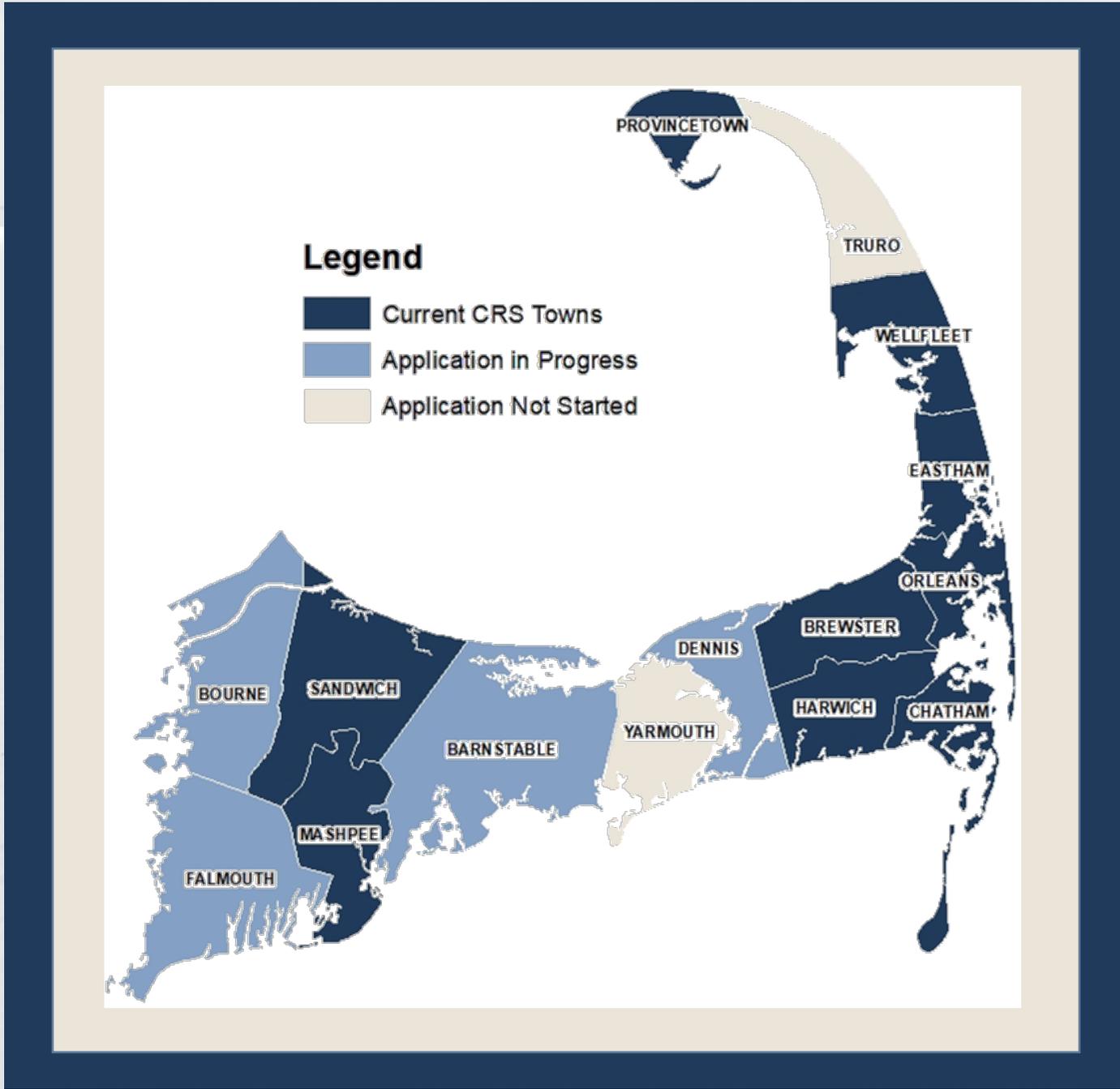
The Community Rating System (CRS)



- Flood insurance discounts in exchange for actions that reduce flood risk
- Improves flood resilience
 - Incentive for resilience
 - Improved building code enforcement & awareness
 - Open space preservation
 - Public education
 - Ideas for advanced floodplain management



Barnstable County



Cape Cod CRS Communities

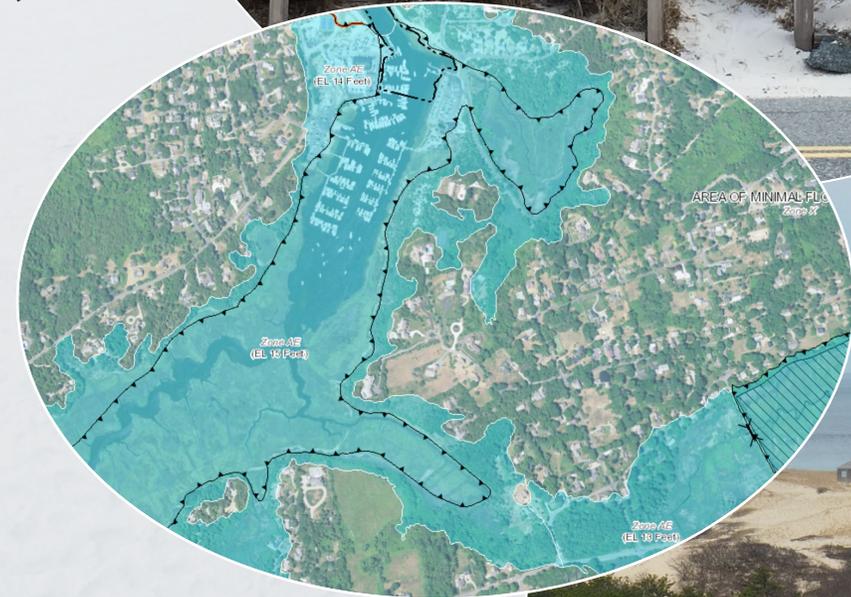
Community	Discount	Annual Savings	Policyholders
Brewster	5%	\$2,000	25
Chatham	10%	\$50,000	270
Eastham	10%	\$14,000	200
Harwich	15%	\$97,000	570
Mashpee	10%	\$53,000	445
Orleans	15%	\$20,000	100
Provincetown	10%	\$115,356	925
Sandwich	15%	\$81,000	280
Wellfleet	10%	\$21,000	120
TOTAL	NA	\$450,000	3,000

Selected Projects



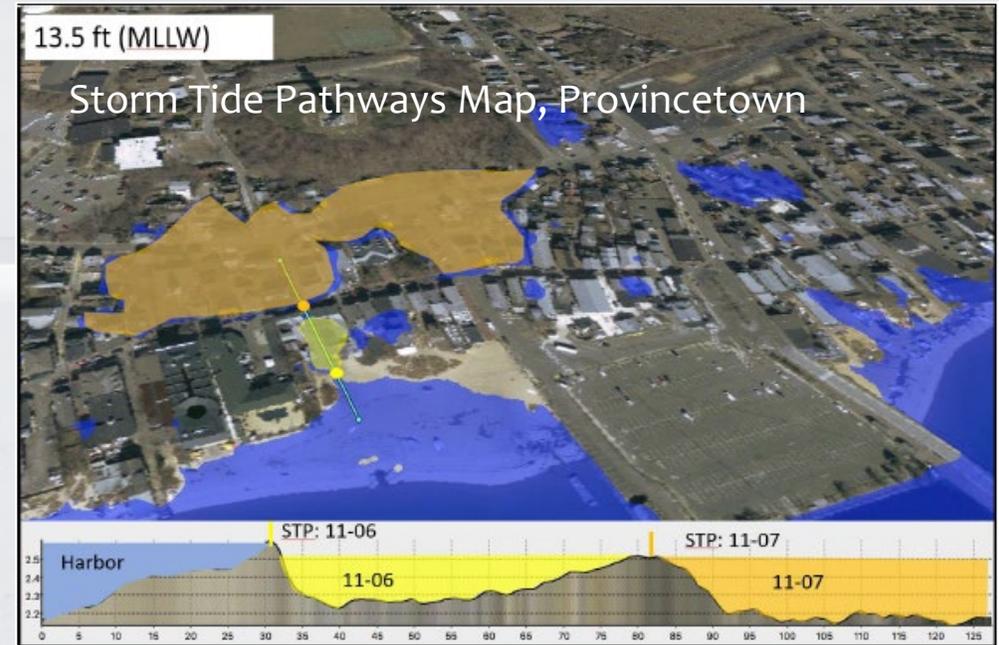
Selected Projects and Partnerships

- Model floodplain bylaw (DCR/FEMA, Cape Cod Commission)
- Municipal Vulnerability Preparedness Program (Cape Cod Commission)
- Historic structures & flooding (Cape Cod Commission)
- Cape Cod and Islands Association of Realtors trainings (CCIAOR, WBNERR)



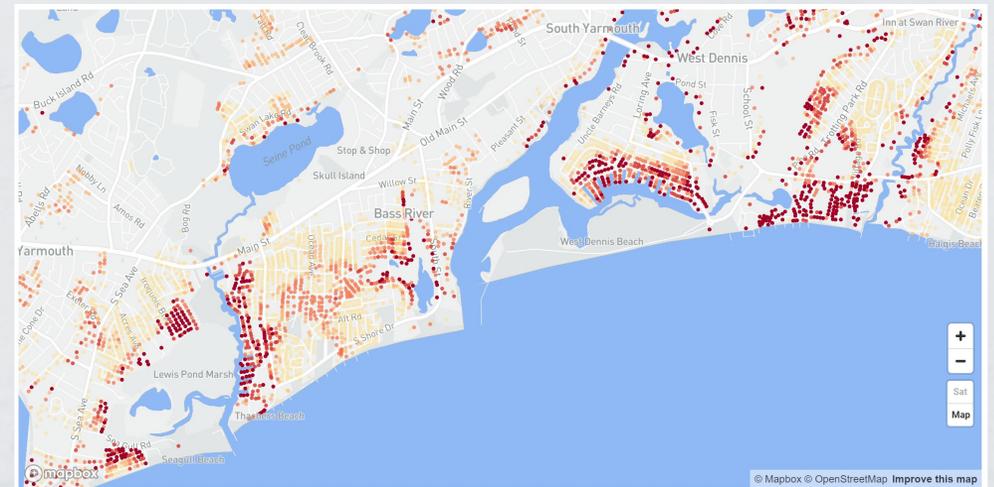
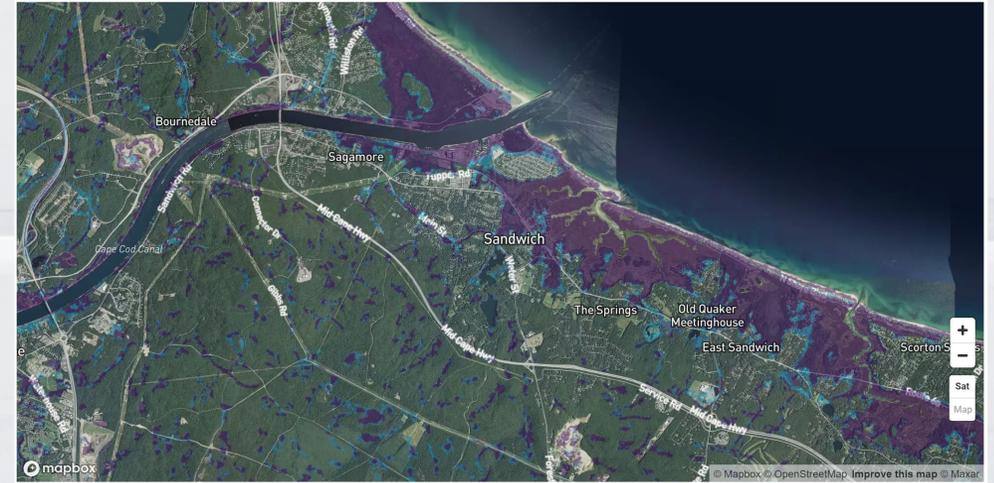
Storm Tide Pathways

- Partnership with Center for Coastal Studies
- Advanced localized flood mapping
- Incorporation into NWS predictions
- Mapping in progress for Cape Cod Bay and Chatham to Barnstable
- Grants from Seaport Economic Council and Economic Development Administration (CCC, REPC partners)



Flood Factor™

- Property-specific flood risk rating
- Includes future risk and rainfall
- Incorporated into real estate listings
- Significant accuracy concerns
- Increase in prospective buyer/seller questions about flood risk

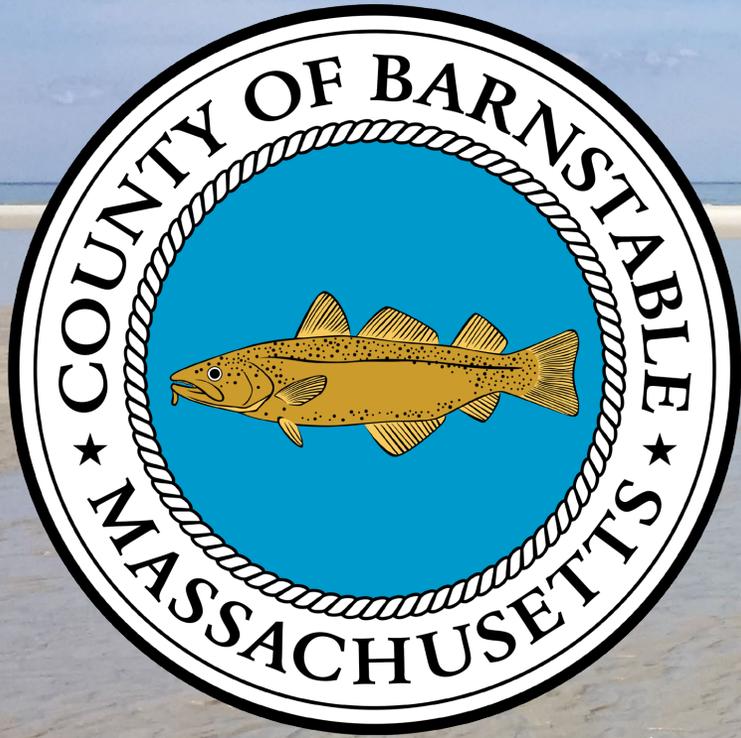


Summary: By the Numbers

Barnstable County Floodplain Management Program since 2015

- National awards/legislation: **3**
- Technical assistance and outreach events: **700**
- People reached: **5,000**
- Certified Floodplain Managers®: **tripled**
- Grant \$ brought into County: **\$750,000**
- \$ saved for residents and businesses on flood insurance: **\$1.8 million**





Woods Hole



Sea Grant

Thank You!

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