

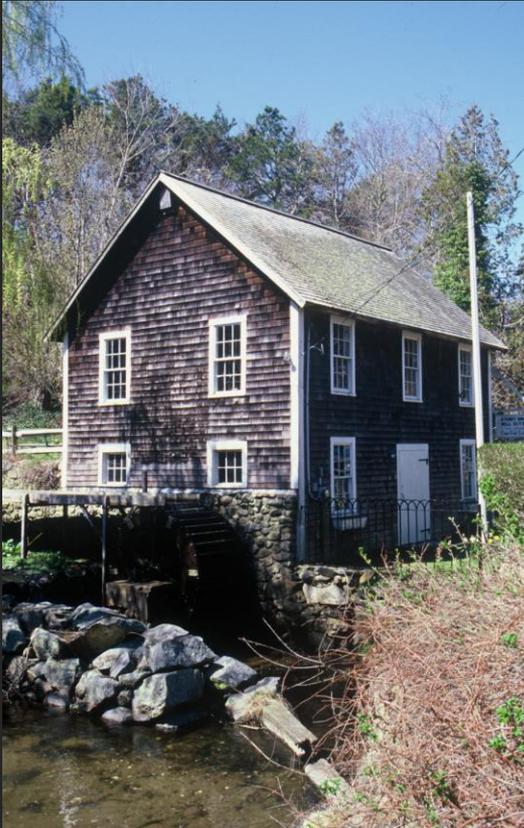
CAPE COD'S HISTORIC STRUCTURES IN FLOOD HAZARD AREAS

Sarah Korjeff, Preservation Specialist
Cape Cod Commission



CAPE COD
COMMISSION

Why this topic?





Historic structures are important to our history, culture and community character

--and the National Flood Insurance Program and Building Codes have special provisions for some historic structures



What is an historic structure?



Must possess **integrity** of design, setting, materials and workmanship,
AND

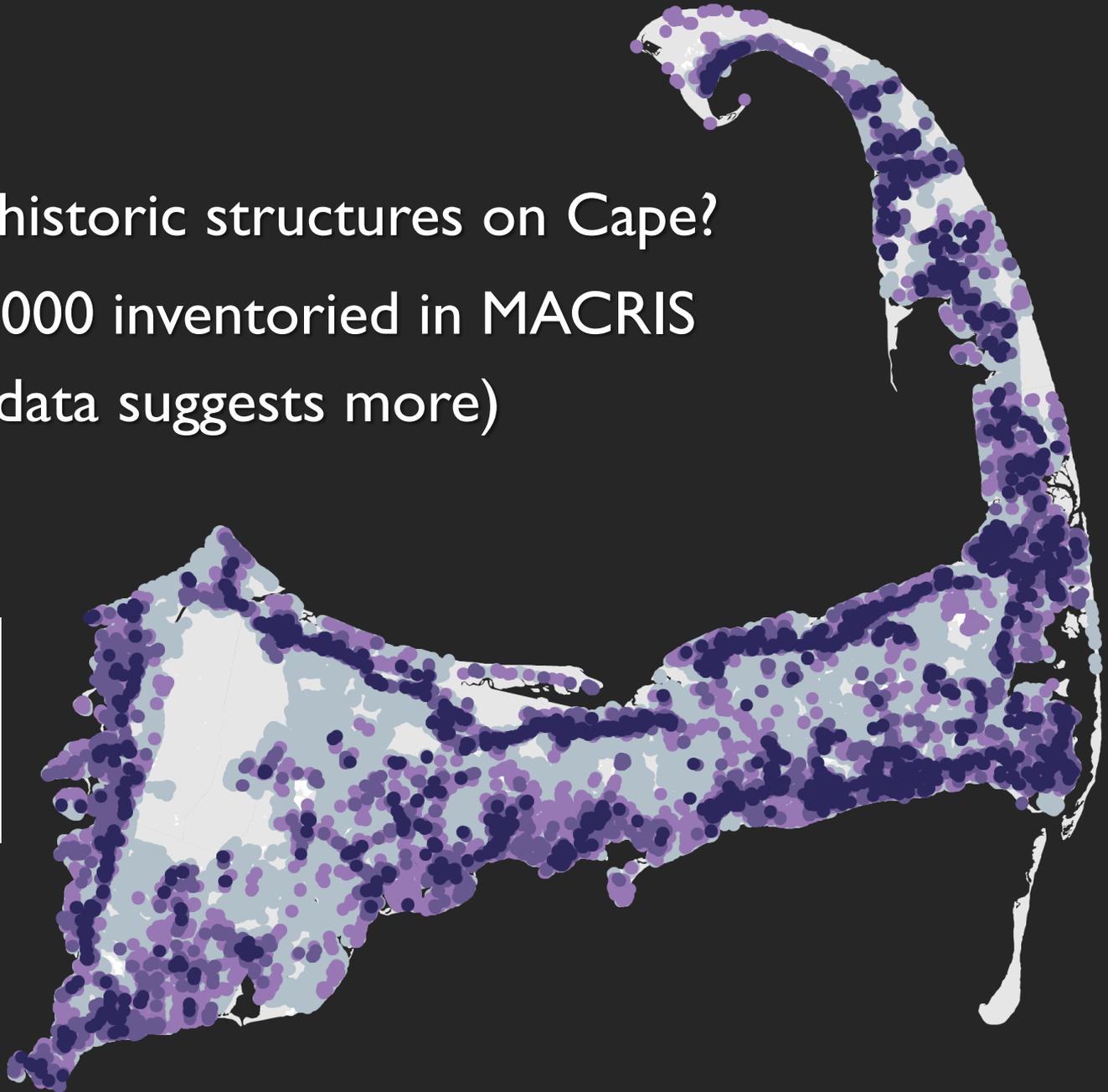
Must be **associated with:**

- **Events** that significantly contribute to broad patterns of our history; or
- Lives of significant **persons** in our past; or
- Embody distinctive characteristics of a **type of construction** or have high artistic value; or
- Be likely to yield information important in history or **prehistory**.



How many historic structures on Cape?
Roughly 11,000 inventoried in MACRIS
(Assessors data suggests more)

- Pre-1800
- 1801-1900
- 1901-1940



How many inventoried historic
structures in flood hazard areas?
- Roughly 2,300 or almost 20%

Barnstable 233
Truro 318
Falmouth 460
Provincetown 530



NATIONAL REGISTER OF HISTORIC PLACES

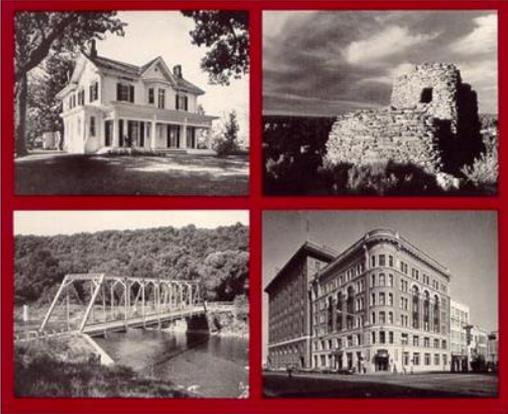
NATIONAL PARK SERVICE
NATIONAL REGISTER PUBLICATIONS NR HOME RESEARCH TRAVEL EDUCATION

NATIONAL REGISTER BULLETIN
HOW TO APPLY THE NATIONAL REGISTER
CRITERIA FOR EVALUATION

Next

U.S. Department of the Interior, National Park Service

PDF of: [How to Apply the National Register Criteria for Evaluation bulletin \(13 MB\)](#)



By the staff of the National Register of Historic Places
finalized by Patrick W. Andrus
edited by Rebecca H. Shrimpton
1990
Revised 1991, 1995, 1997
Revised for Internet 1995, 2001, 2002

Listing requires evaluation based on criteria established by US Department of Interior – spelled out in National Park Service Bulletin #15.

Cape Cod has over 40 National Register districts and more than 150 individual National Register structures.



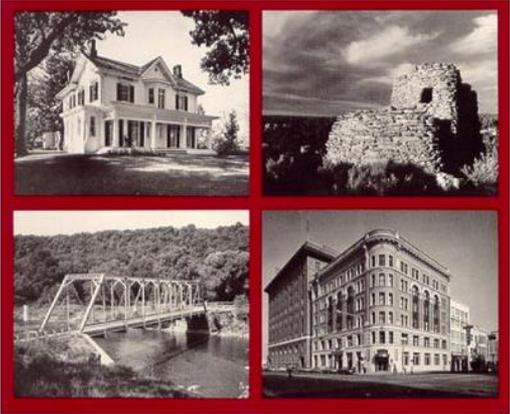
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889 National Register buildings in flood hazard areas:

- Falmouth 58
- Sandwich 66
- Barnstable 87
- Yarmouth 90
- Provincetown 511

Every Cape town has at least one



OTHER HISTORIC RESOURCE DESIGNATIONS

Local Historic District

- requires town meeting and MHC approval

Preservation Restriction

- requires compliance with MGL; owner and MHC approval

State Register of Historic Places

- a compendium of other designations



GET INFO AT maps.mhc-macris.net

← → ↻ ⓘ Not secure | maps.mhc-macris.net

MACRIS MAPS 2.0 beta

[About](#) | [Help](#) | [Disclaimer](#)

Address or MHC# Search

[Bing](#) | [MassDOT](#) | [Street View](#)

Available Layers

- Base Layer
- Inventory Layers
- MassGIS Layers

Legend

MHC Towns Completed

- Updates Pending
- Completed
- Not Completed

Archaeology Login

Username:

Password:

10 km
5 mi

MACRIS Data: [Massachusetts Historical Commission](#)
Data CC-BY-SA by [OpenStreetMap](#)

Zoom in to town level

MACRIS MAPS 2.0 beta
[About](#) | [Help](#) | [Disclaimer](#)

Address or MHC# Search

[Bing](#) [MassDOT](#) [Street View](#)

Available Layers

- Base Layer
- Inventory Layers
- MassGIS Layers

Legend

MHC Inventory Points

- Nat'l Register of Historic Places
- ★ Preservation Restriction
- ▲ Local Historic District
- ▲ NRHP and LHD
- Inventoried Property

Archaeology Login

Username:
Password: Login

1000 m
2000 ft

MACRIS Data: [Massachusetts Historical Commission](#)
Data CC-By-SA by [OpenStreetMap](#)

The screenshot displays a web-based GIS application interface. At the top left, the title 'MACRIS MAPS 2.0 beta' is shown with navigation links for 'About', 'Help', and 'Disclaimer'. Below this is a search bar for 'Address or MHC#' and a set of navigation controls including 'Bing', 'MassDOT', and 'Street View'. A vertical toolbar on the left contains various map interaction icons. The main map area shows a detailed view of Cape Cod, Massachusetts, with numerous blue dots representing inventoried properties. Other markers include red dots for National Register of Historic Places, green triangles for Local Historic Districts, and purple stars for Preservation Restrictions. Major roads like MA 137 and MA 39 are labeled. The interface also includes an 'Available Layers' panel, a 'Legend' section, and an 'Archaeology Login' form with fields for 'Username' and 'Password'. A scale bar at the bottom left indicates 1000 meters and 2000 feet. At the bottom right, there is a data attribution for 'MACRIS Data: Massachusetts Historical Commission' and 'Data CC-By-SA by OpenStreetMap'.

Select individual property

Available Layers

- Base Layer
- Inventory Layers
- MassGIS Layers

Legend

MHC Inventory Points

- Nat'l Register of Historic Places
- ★ Preservation Restriction
- ▲ Local Historic District
- ▲ NRHP and LHD
- Inventoried Property

Archaeology Login

Username:

Password: Login

50 m
100 ft

MACRIS Data: Massachusetts Historical Commission
Data CC-BY-SA by OpenStreetMap

-69.94931, 41.6711

Historic Inventory Points **Historic Inventory Areas (1)**

Demolished?	MACRIS #	Historic Name	Common Name	Address	Designations	Use Types
	CHA.LH	Chatham Light Station			NRDIS NRDIS NRTRA	Lighthouse Related;



MACRIS #: [CHA.LH](#)
 Name: Chatham Light Station
 Address: none provided
 Type: Area
 Designations: NRDIS NRDIS NRTRA,
 Use Types: Lighthouse Related;
 Significance: Architecture; Maritime

EXAMPLES



5 miles



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WOODS HOLE, FALMOUTH



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WOODS HOLE



500'



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COMMISSION

WOODS HOLE

INVENTORIED BUILDINGS

1941-Present

1940 or earlier



WOODS HOLE

INVENTORIED BUILDINGS

- 1941-Present
- 1940 or earlier

FEMA FIRM FLOOD ZONES

- VE
- AE
- .2% ANNUAL CHANCE FLOOD HAZARD



SANDY NECK, BARNSTABLE





CAPE COD BAY

BARNSTABLE
HARBOR

500'



SANDY NECK



CAPE COD BAY

BARNSTABLE
HARBOR

500'

SANDY NECK

INVENTORIED BUILDINGS

 1941-Present

 1940 or earlier



CAPE COD
COMMISSION

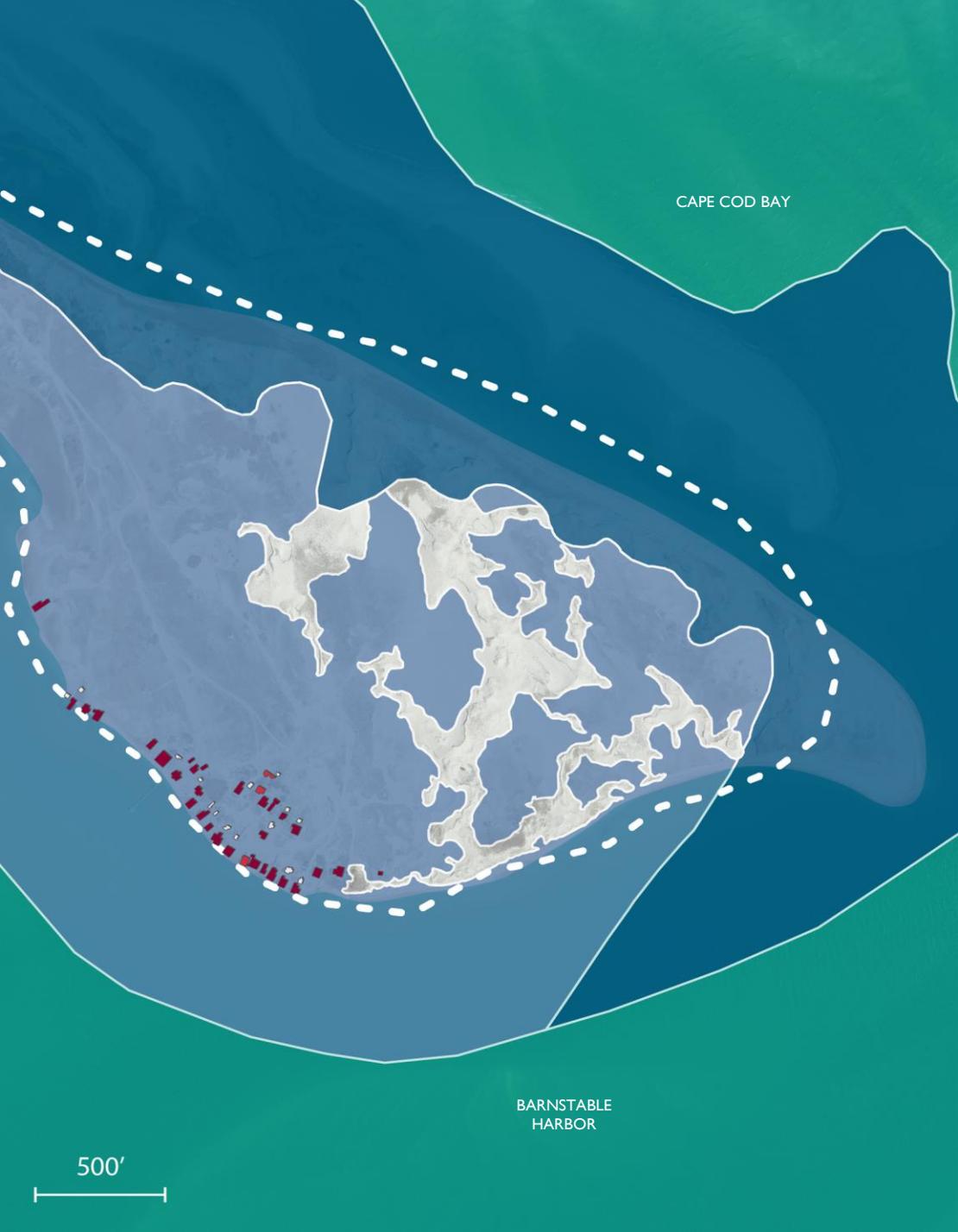
SANDY NECK

INVENTORIED BUILDINGS

- 1941-Present
- 1940 or earlier

FEMA FIRM FLOOD ZONES

- V
- AE AND AO
- .2% ANNUAL CHANCE FLOOD HAZARD



PROVINCETOWN

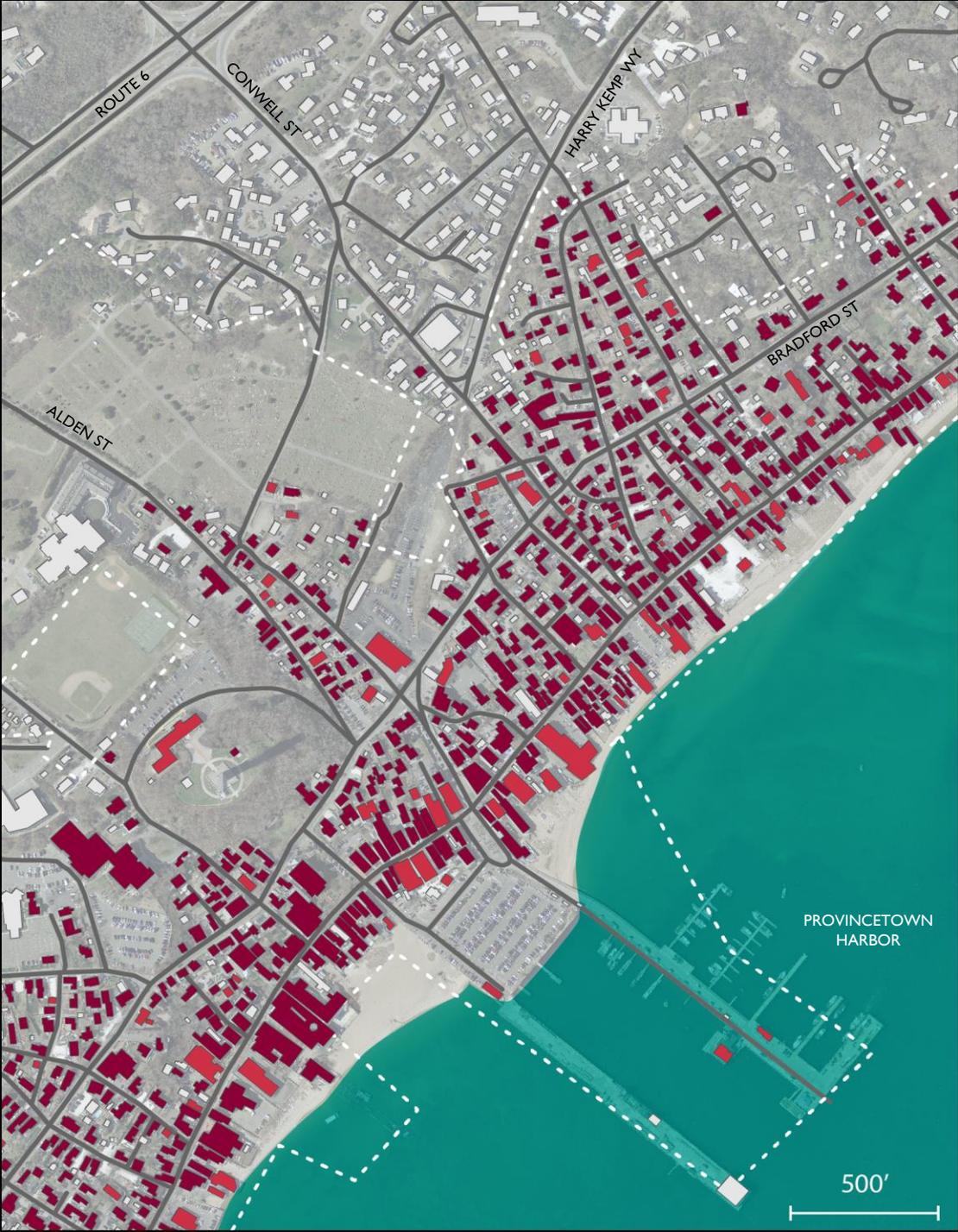




PROVINCETOWN



CAPE COD
COMMISSION



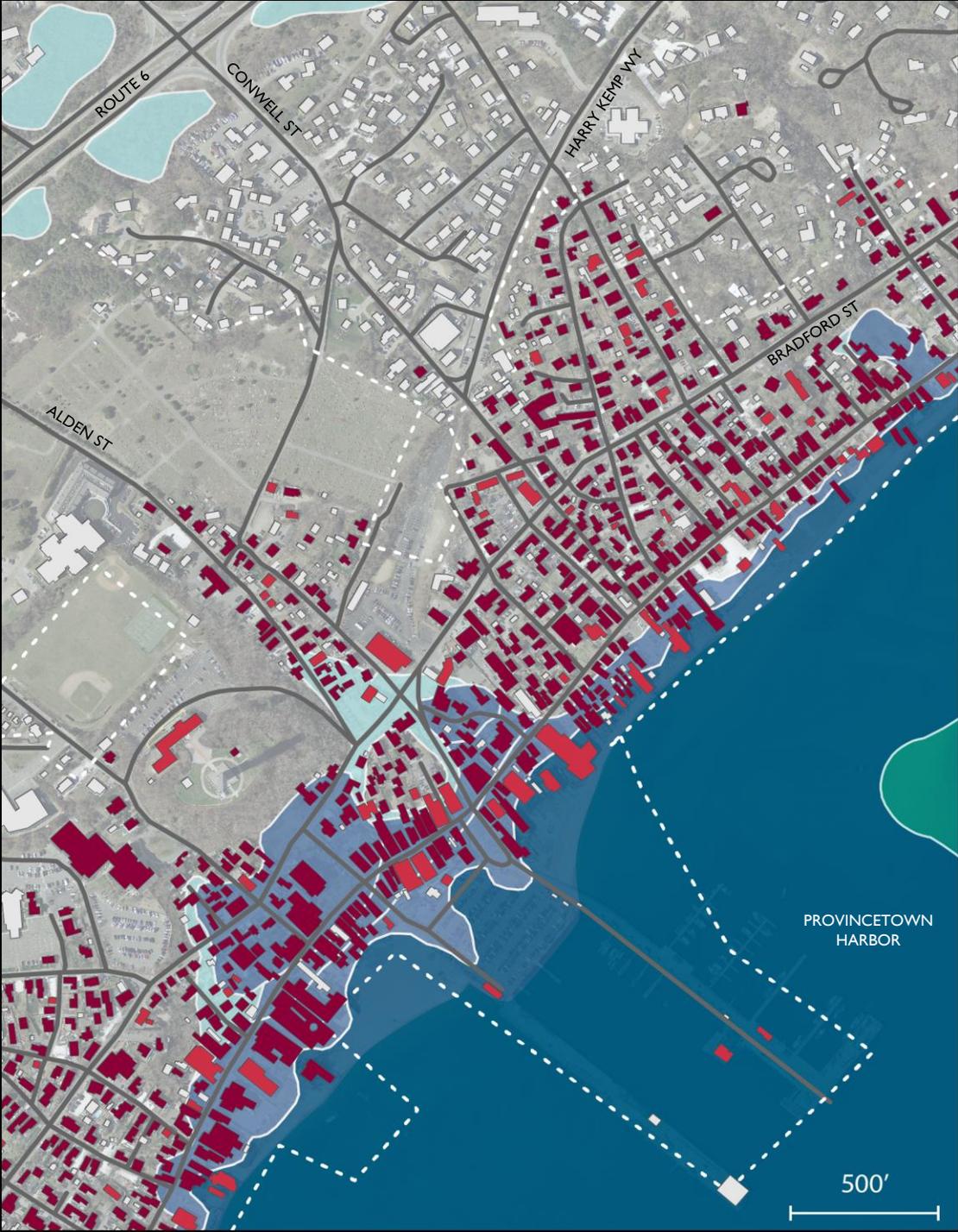
PROVINCETOWN

INVENTORIED BUILDINGS

1941-Present

1940 or earlier





PROVINCETOWN

INVENTORIED BUILDINGS

- 1941-Present
- 1940 or earlier

FEMA FIRM FLOOD ZONES

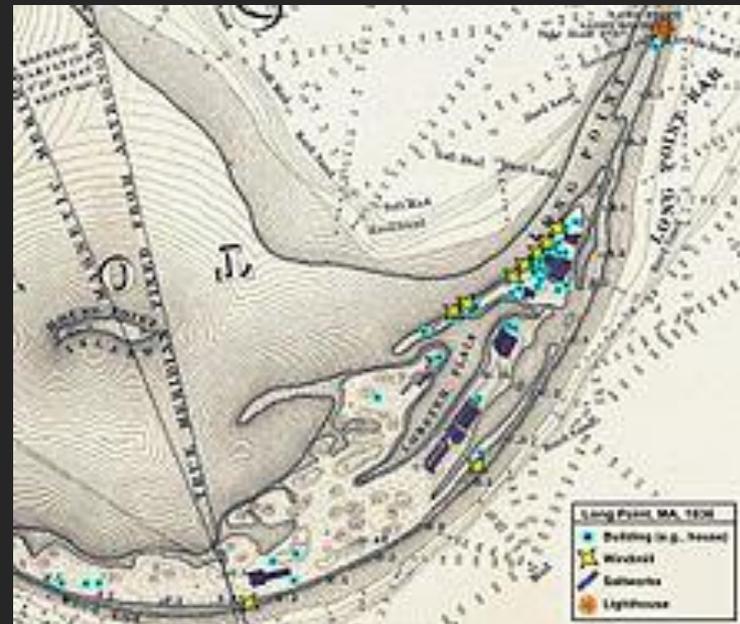
- VE
- AE AND AO
- .2% ANNUAL CHANCE FLOOD HAZARD

HISTORIC PRECEDENTS



InsertBy Grolltech - Own work, CC BY-SA 3.0,
<https://commons.wikimedia.org/w/index.php?curid=18361339>

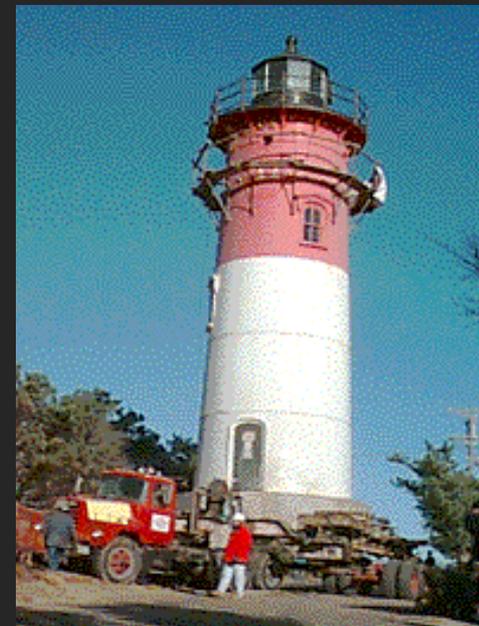
Provincetown Long Point



HISTORIC PRECEDENTS



Lighthouse Moves



END



RESOURCES AND STUDIES

- Breezy Point, NY Home Elevation Study
- “Keeping 74 Bridge Street Above Water” Newport, RI
- “Weather it Together” Cultural Resource Hazard Mitigation Plan, Annapolis, MD
- Stockade Historic District, Flood Mitigation Design Guidelines, Schenectady, NY
- Mandeville, LA Master Plan and Guidelines for Elevating Historic Buildings
- Trustees of Reservations Coastal Vulnerability Assessment
- YaleEnvironment360 video of Dorchester County, MD on Chesapeake Bay
- Resilient Cape Cod website

