

4TH ANNUAL CAPE COASTAL CONFERENCE

Perspectives on Resource and Habitat Management

With Focus on Collaborations &
Cooperative Research

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What is the DMF?

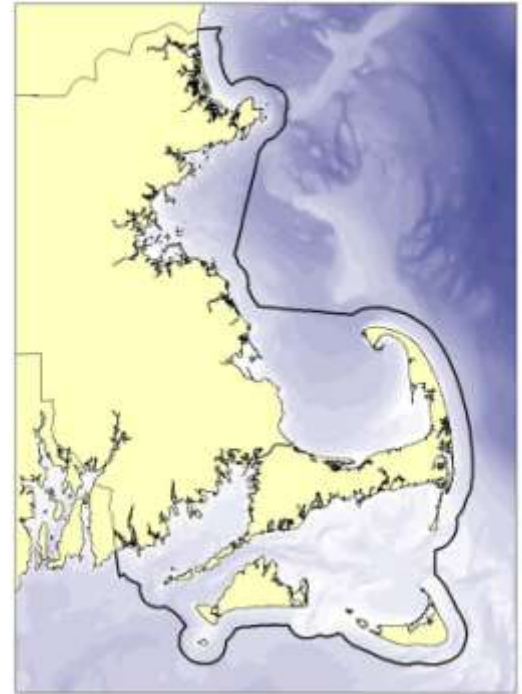


- DMF develops and promulgates the Commonwealth's regulations governing commercial and recreational fishing activity conducted in the marine environment.
- Promotes and develops commercial and recreational fisheries through research, technical assistance, and the collection of statistics.

How are Fisheries Managed?

(It's complicated...)

- Local: Municipalities manage most shellfish
- State: Finfish, lobster and some shellfish (surf clams, whelks, h-s crabs)
 - Regional oversight for many species
Atl. States Marine Fisheries Commission
- Federal: NMFS and Regional Councils regulate fisheries that are predominately beyond 3 miles



Commercial Landings and Value (2015)

Lobster, Oysters, Sea Scallops, Quahogs, and whelks comprise the top 5 species landed in Barnstable & Dukes County.



SPECIES	LIVE LBS	VALUE	% Value
LOBSTER, AMERICAN	3,237,892	\$15,665,541	23%
OYSTER, EASTERN	4,558,087	\$15,488,738	23%
SCALLOP, SEA	3,583,333	\$5,840,009	9%
NORTHERN QUAHOG	4,151,408	\$5,216,181	8%
WHELK, CHANNELED	1,579,047	\$3,591,932	5%
STRIPED BASS	553,042	\$2,380,305	4%
MUSSEL, BLUE	13,483,911	\$2,068,204	3%
GOOSEFISH	933,647	\$1,687,753	3%
FLUKE	402,017	\$1,605,450	2%
CRAB, JONAH	2,450,914	\$1,528,464	2%
TUNA, BLUEFIN	260,372	\$1,364,112	2%
CLAM, SOFT	605,566	\$1,359,807	2%
DOGFISH, SPINY	6,466,829	\$1,278,357	2%
SKATE, WINTER	4,794,031	\$1,189,713	2%
CLAM, SURF	3,089,965	\$910,907	1%
SQUID,(LOLIGO)	568,503	\$805,187	1%
SCALLOP, BAY	221,186	\$777,614	1%
SEA BASS, BLACK	173,880	\$530,418	1%
WHELK, KNOBBED	370,194	\$517,357	1%
BLUEFISH	495,601	\$515,671	1%
MACKEREL, ATLANTIC	794,825	\$455,949	1%
COD, ATLANTIC	218,579	\$448,999	1%
CRAB, HORSESHOE	392,323	\$359,076	1%

Note: Most groundfish & herring landed more often in industrial ports of New Bedford & Gloucester.

Sustainable Fisheries & Ocean Warming

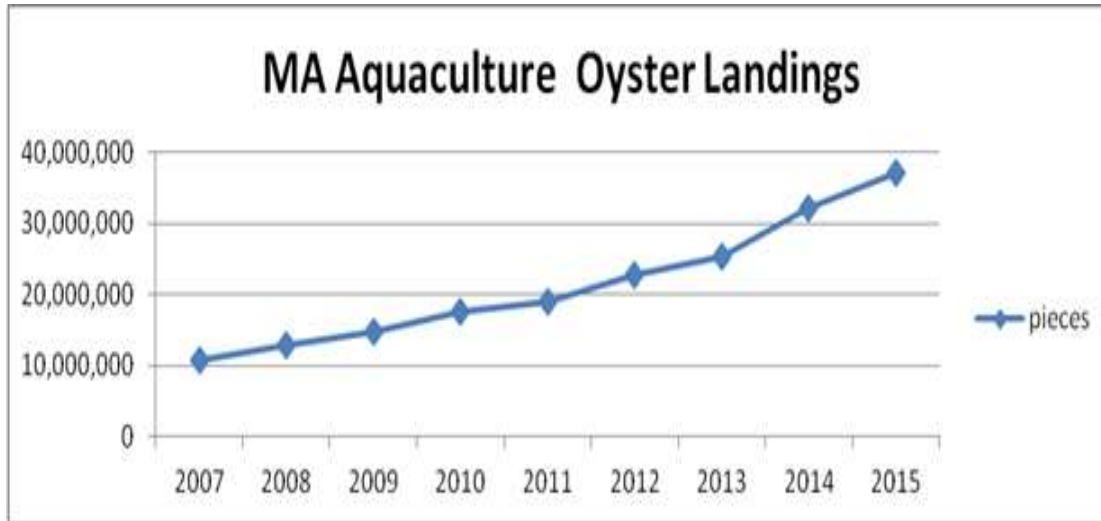
- Results are mixed:
 - Gulf of Maine & Georges Bank lobster reach all-time high
 - SO. NE lobsters decline
Displaced lobstermen shifted to whelk trapping
 - Other cool water finfish spp. (winter flounder, cod) declining
 - Mid-Atlantic Spp. (black sea bass, scup) increasing



“Fishermen are slow to change but quick to adapt”

Growth in Aquaculture

- Stunning growth in Oyster Culture



- On the Horizon: Longline Kelp Culture



Industry Cooperative Research

- Fishermen funded ventless trap survey
- Oyster Research to reduce Vp risk
- GOM cod survey
- New fishing gear related projects:
 - Reduce entanglement risk of aquaculture lines
 - Squid jigging
 - Bycatch reduction for otter trawls



Seafood Marketing Program

New logo as a tool for increasing awareness and demand for Massachusetts seafood products (launched August 2016)



Consumer engagement

- educational material
- new media content (with efforts to reach millennials)
- events such as the Big E to reach consumers
- partnerships such as Farm to School to encourage institutional procurement

Industry engagement

- steering committee of seventeen (11 industry members)
- marketing toolkit for seafood businesses
- **grant program: pilot year just posted with deadline of 1/6/17 for seafood marketing efforts**

Recreational Fishing

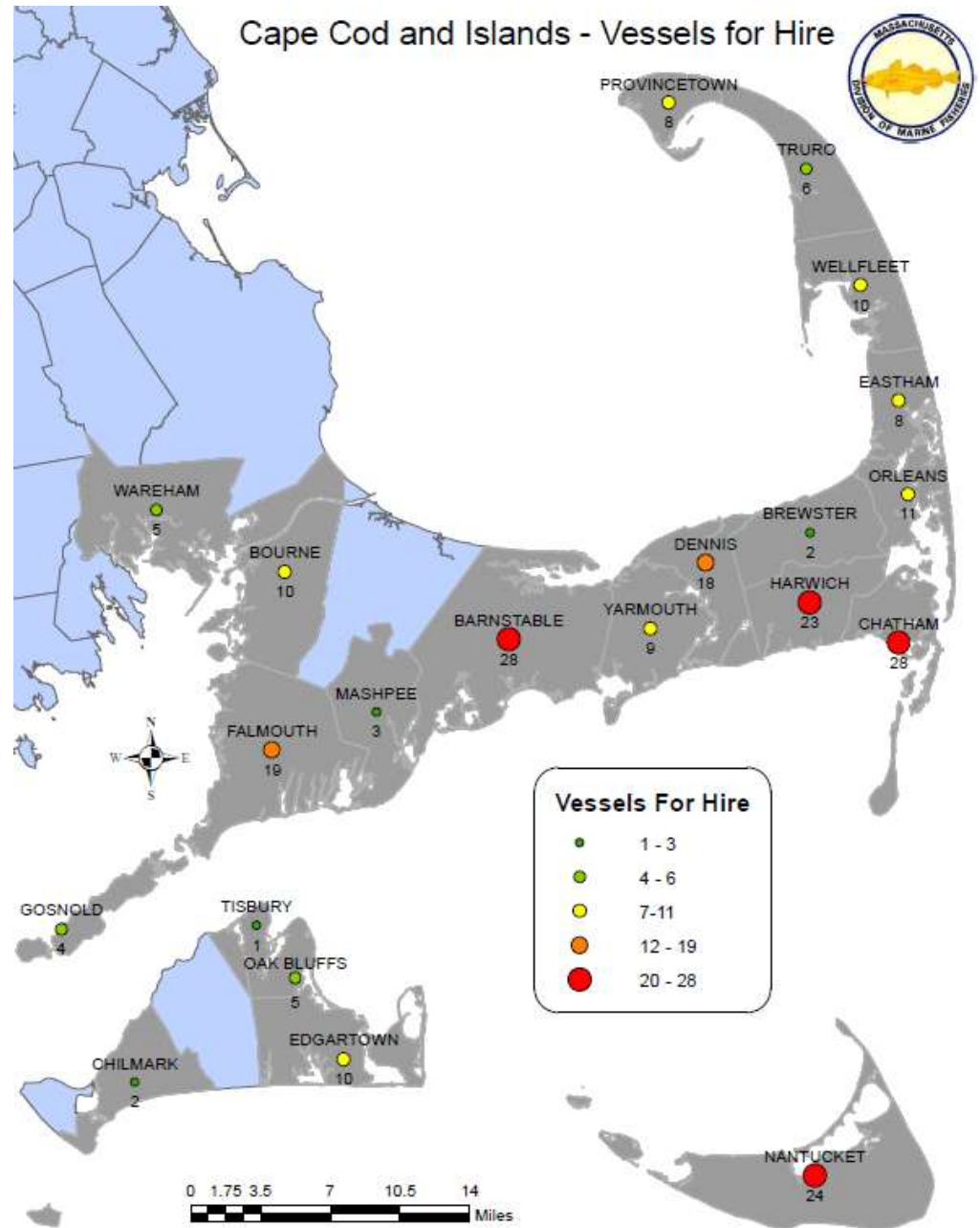
¼ million anglers:
resident & nonresident

- key to tourist economy
- User-friendly permitting: \$10 for all; free for 60 & over

Dedicated fund spends
1/3 on public access



234 Party and Charter Boats serve tourists and locals who seek access to high quality fishing





Thank You !