

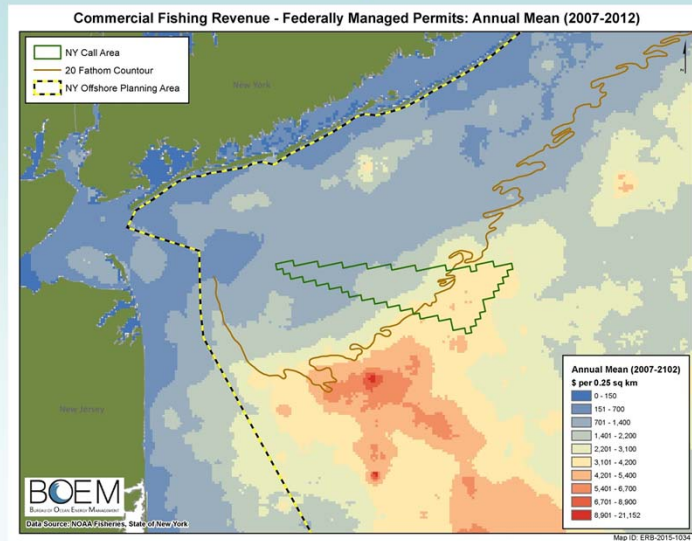
Identifying Key Fishing Areas

- Goal: Understand the existing fishing uses of the potential NY call area
 - Review what federal permit data indicates
 - Does it correctly characterize your important fishing areas?
 - What caveats need to be included (e.g., quota limitations; high/low yield years)?
 - Identify and discuss how to fill data gaps with:
 - Non-permitted species
 - State-permitted species



BOEM is at the initial steps of the process with many opportunities for industry input along the way.

Northeast Fisheries Science Center's Socioeconomic Report – 2007 to 2012



- Data is based on:
 - Vessel trip reports
 - Fisheries observer data
 - Seafood dealer reports
- Covers federal waters from Maine to South Carolina

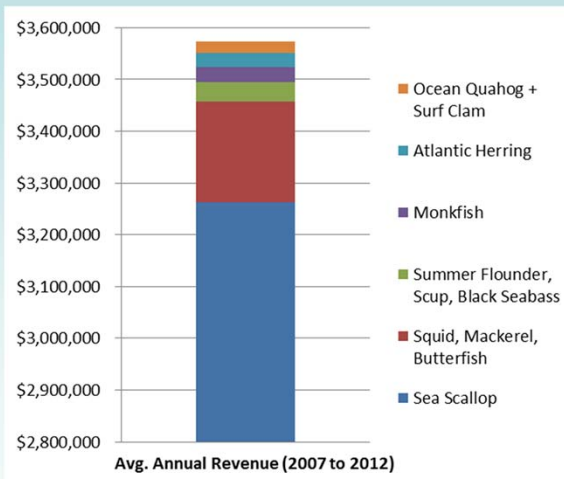


BOEM funded the Northeast Fisheries Science Center to analyze vessel trip report (VTR) data from federally managed permits. This map is an example of the mean average annual revenue.

The methodology for utilizing the VTR data uses fisheries observer data regarding trip length and area to better inform how to interpret VTR data. The revenue is the actual amount landed from the trip from seafood dealer reports. The analysis conducted by Justin Kirkpatrick and others at the Northeast Fisheries Science Center provides a starting point to understand the magnitude, gear types, species and home ports of vessels that could be affected by the siting of a wind energy facility in the proposed area. The actual impacts will be dependent on a number of factors, such as suitable alternative fishing location.

BOEM knows that VTR data has limitations and that the full fishing story may be not captured, which is the purpose of this meeting.

What Species Are Harvested from NY Call Area?



NY Call Area provided:

- 0.8% of total sea scallop revenues from Atlantic coast
- 0.5% of total squid, mackerel & butterfish revenue from Atlantic coast
- 0.1% of total monkfish revenues; Atlantic herring; summer flounder, scup & black seabass from Atlantic coast

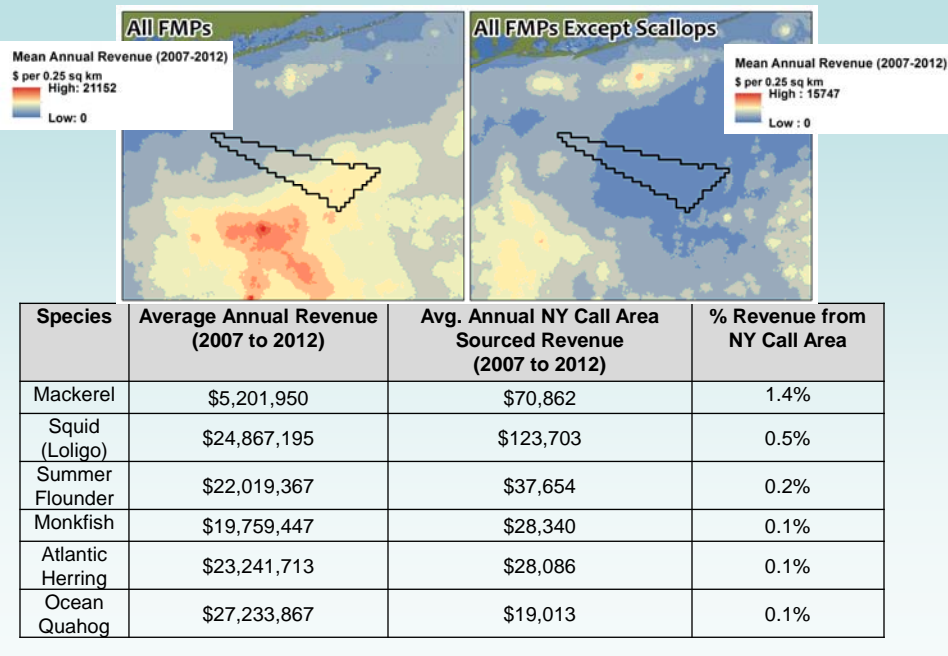


Between 2007 and 2012, VTRs indicated that on average more than \$3.5 million was generated from federally permitted fish harvesting within the NY call area annually.

The percent exposure is based on the average annual revenue for the entire fishery as managed under the Federal fishery management plan for that species.

The high value of sea scallops are a main driver, which represents almost \$3.3 million of that \$3.5 million. The next highest fisheries management plan species are squid, mackerel and butterfish at less than \$200,000 annually.

What Is Being Fished Besides Scallop in NY Call Area?



Main Gear Types Being Used in NY Call Area

Top Gear	Average Annual Revenue* from Atlantic Coast	Avg. Annual NY Call Area Sourced Revenue	% Revenue from NY Call Area	Top Fishery Management Plans
Dredge	\$486,160,813	\$2,914,060	0.6	Sea scallop; Surf clam ocean quahog; monkfish; unmanaged
Bottom Trawl	\$174,094,198	\$569,332	0.3	Sea scallop; squid, mackerel, butterfish; summer flounder, scup, black seabass; monkfish
Mid-water Trawl	\$21,384,152	\$89,500	0.4	Squid, mackerel, butterfish; Atlantic herring; spiny dogfish; unmanaged

* Based on federal reporting

Data support comments that vessels are harvesting sea scallops, which are a high revenue species. As a portion of total revenue, harvest from the WEA is low.

What Ports Rely on Landings from the NY Call Area?

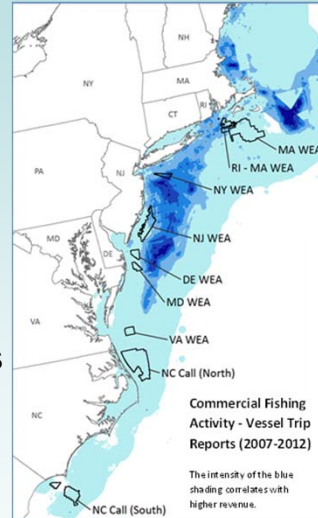
Top Landing Port Groups	Federally Permitted Catch (2007 to 2012)	
	Avg. Annual Revenue from NY Call Area	% Revenue from NY Call Area
Freeport, NY	\$77,363	9.9
Point Lookout, NY	\$166,664	6.9
New London, CT	\$112,670	1.8
Point Pleasant, NJ	\$478,290	1.6
Newport News, VA	\$398,210	1.0
New Bedford, MA	\$1,264,815	0.4
Montauk, NY	\$36,063	**

Lots of Maps at Open House

- We have a variety of different map options:
 - Gear type
 - Species
 - Fisheries management plan
- BOEM can conduct additional analyses, but we need your input on what is important to give to decision makers

Next Steps for Report and Data

- GIS data available: www.boem.gov/Renewable-Energy-GIS-Data
- Final report: target publication of March 2016
- Anticipate additional fisheries stakeholder meetings to discuss results in other wind energy lease areas



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Note: This presentation was given by Amy Stillings, Industry Economist, Office of Renewable Energy Program, Bureau of Ocean Energy Management (BOEM)

On Nov. 4, 5, and 6, 2015 at various locations in NJ and NY as part of BOEM's Area Id for NY Call Area: Fishing Industry Outreach Meetings.

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