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Fisheries Technical Working Group (F-TWG)

Master Plan 2.0 Stakeholder Engagement



NEW YORK
STATE OF
OPPORTUNITY™

NYSERDA

August 15, 2023

Purpose of these Office Hours

- Overview of Master Plan 2.0.
- Share/summarize general concerns of the fishing industry; based on prior input, including input on deep water wind in other regions.
- Hear the fishing industry's concerns with deep water wind off New York and New Jersey.
- What is most important to **you** and how you'd like to see it addressed through further studies, workshops, etc.?
- Summarize themes and discussions from the previous office hour sessions.

Outcome

- Input will be captured in a brief appendix to the Fish/Fisheries Study of the OSW Master Plan 2.0 (September/October 2023), which will then be provided as a recommendations document to BOEM.

Introductions



CADMUS

- F-TWG Lead: NYSERDA – (518) 441-9811
 - Morgan Brunbauer, Morgan.Brunbauer@nyserda.ny.gov
- Technical Support: Tetra Tech
 - Brian Dresser, brian.dresser@tetrattech.com
 - Katy White, katy.white@tetrattech.com
- Facilitation Support: CBI and Cadmus
 - Pat Field, pfield@cbi.org
 - Ashley Arayas, ashley.arayas@cadmusgroup.com

Meeting Ground Rules

- Engage constructively with one another.
- Acknowledge and articulate differences with respect and clarity.
- Provide input and advice to the State of New York, including broadly shared advice where possible.

F-TWG Mission Reminder

- The mission of the Fisheries Technical Working Group (Fisheries TWG or “F- TWG”) is to provide advice and guidance to help steer the State of New York’s efforts to advance offshore wind development in an environmentally responsible way and to protect and sustain the State’s and region’s fisheries and fishing communities.
- For purposes of this framework, the term “fisheries” includes commercial and recreational fishing as generally used in fisheries management-related discussions.

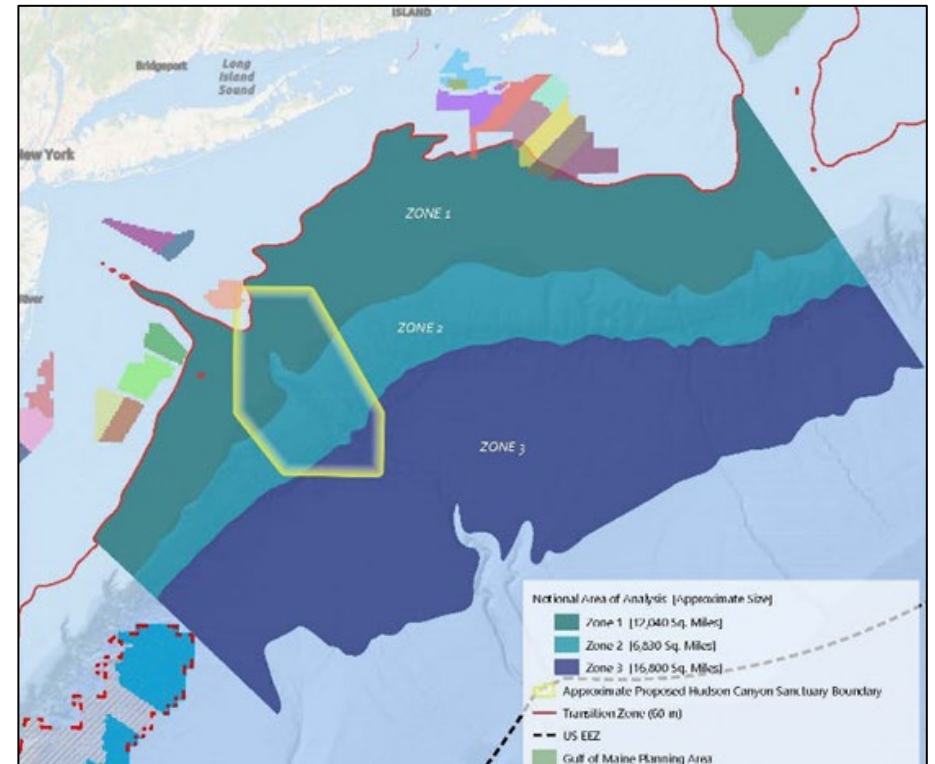
Master Plan 2.0: Deep Water Fisheries Engagement Approach

Master Plan 2.0: Deep Water

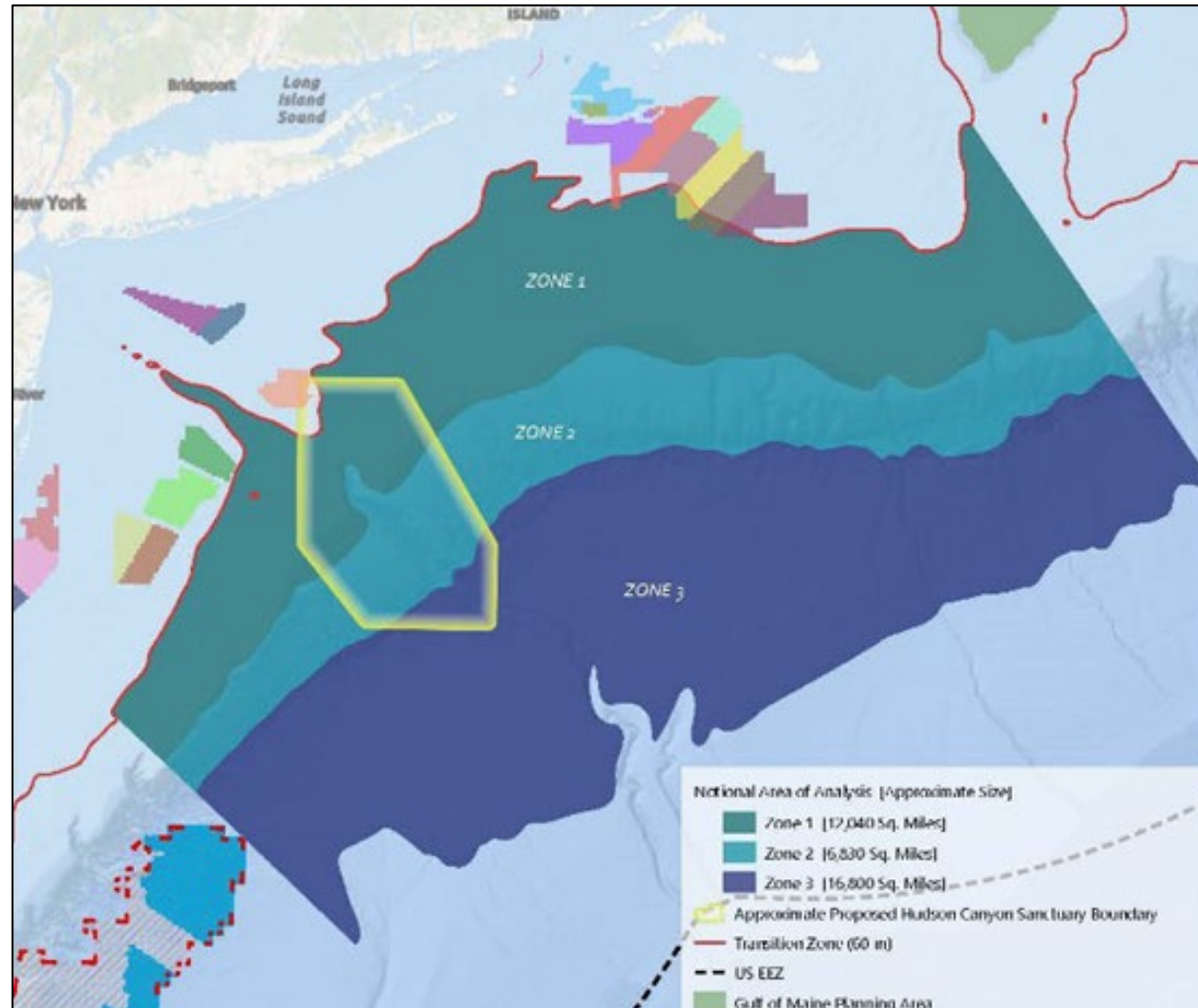
- Serve as an **organizing principle** for all OSW work that will ensure a continued, robust, transparent, and proactive approach to meeting New York's goals of 9GW and beyond.
- An opportunity for NYS to evaluate and **characterize the risks and opportunities** for offshore wind development in a comprehensive, sequential, and logical approach for achieving 9GWs and beyond.
- Build on the success of New York's original master plan and **unlock the next frontier of offshore wind** development.

MP 2.0 OUTCOME:

- The identification of areas in the region of greatest and least risk to environmental and fisheries resources and users and to recommend to BOEM areas or topics for further assessment. **Will not generate unsolicited bids.**
- A Master Plan describing NYS's integrated approach to the continued development of the OSW industry, and NYS serving as a hub for that industry.

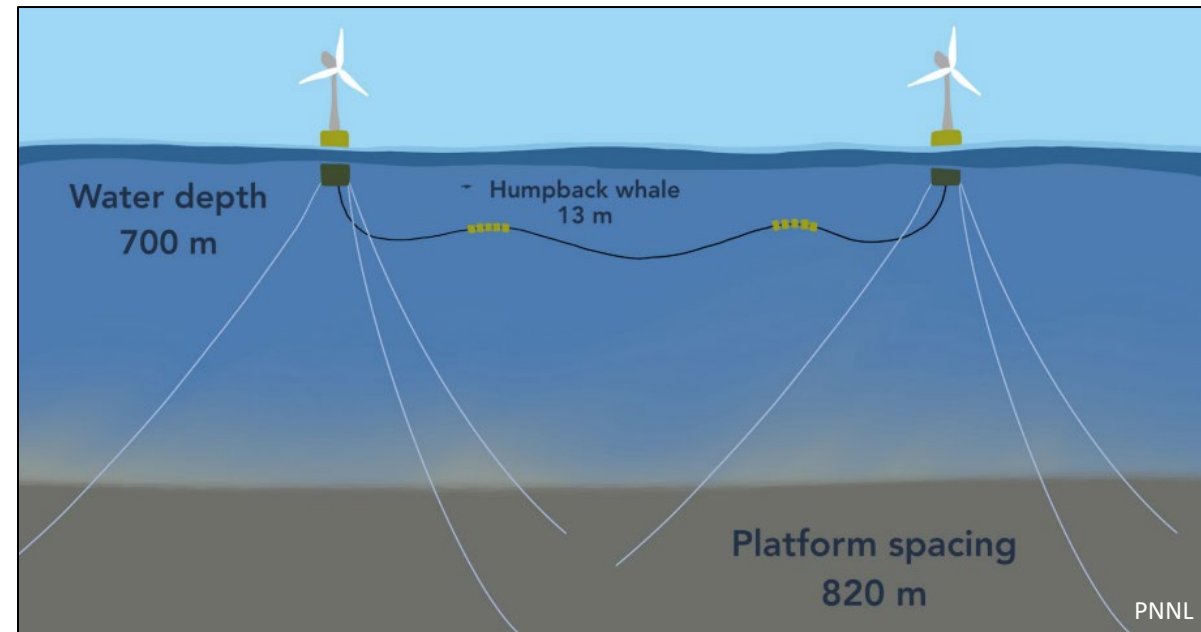
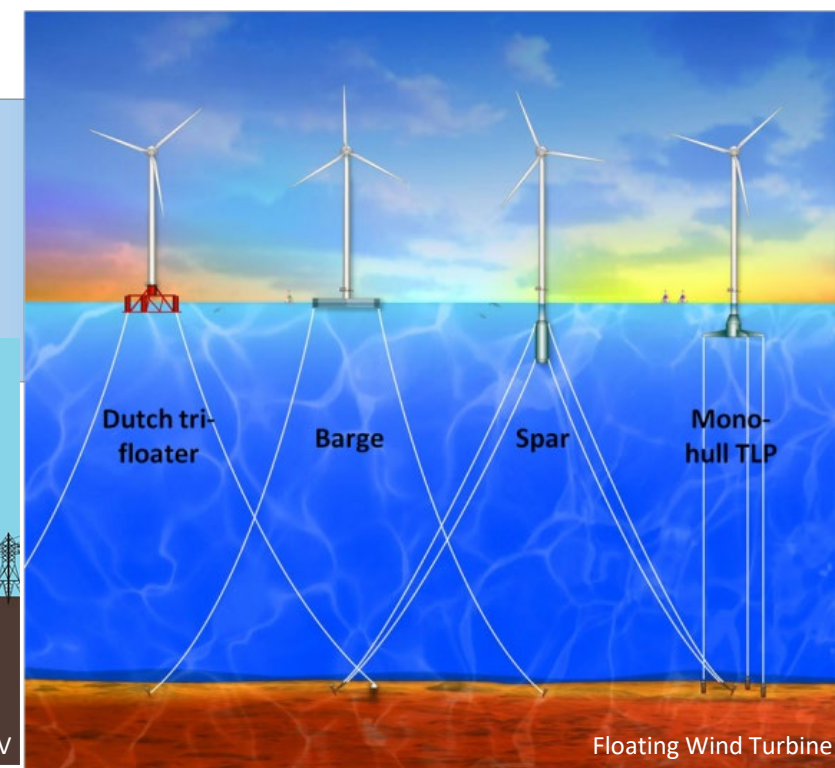
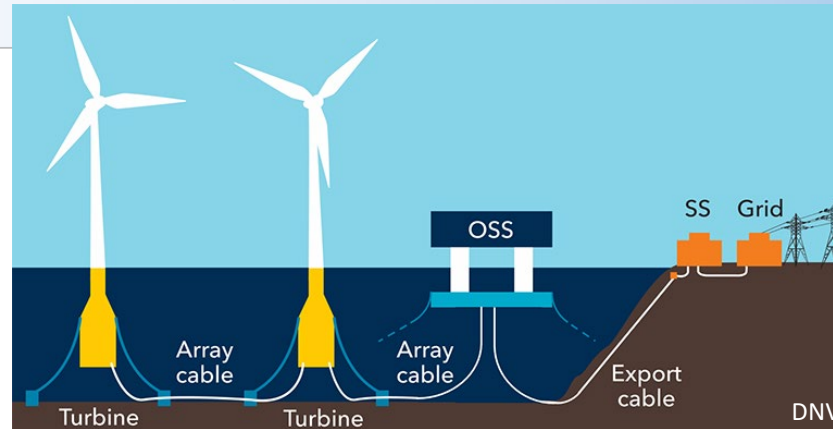


AoA Depths



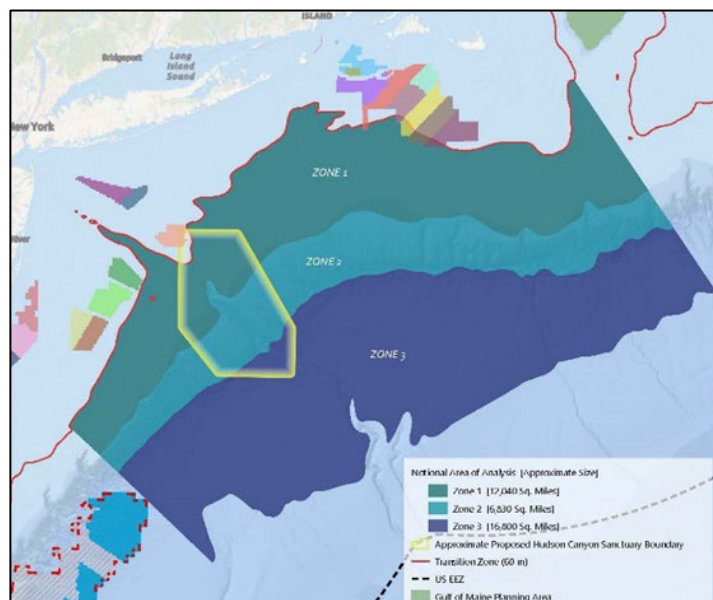
Floating Wind Footprint

- Multiple technology prototypes.
- Anchoring and cable radius changes with technology type.
- PNNL scenario with a Humpback Whale for scale.
- Majority of AoA is expected to be floating technology, but possible for fixed technology to advance into deeper water.



Fisheries within the Area of Analysis (AoA)

- Potential target fisheries and gear used in the AoA:
 - Based off Northeast Ocean Data Portal and comments provided by NMFS feedback.



Zone 1	Zone 2	Zone 3
-Black Sea Bass* -Fluke** -Golden Tilefish** -Groundfish -Jonah Crab** -Lobster** -Monkfish -Ocean Quahog* -Pelagics (Herring/Mackerel/Squid) -Scallop* -Scup* -Skate* -Squid/Mackerel/Butterfish -Summer Flounder* -Surfclam* -Whiting* -Bottom Trawl <65 ft -Bottom Trawl >65 ft -Dredge -Gillnet -Longline -Pots and Traps -Other	-Black Sea Bass* -Fluke** -Golden Tilefish** -Jonah Crab** -Lobster** -Monkfish* -Ocean Quahog* Pelagics (Herring/Mackerel/Squid) -Scup* -Skate* -Squid/Mackerel/Butterfish -Summer Flounder* -Surfclam* -Whiting* -Bottom Trawl <65 ft -Bottom Trawl >65 ft -Longline -Pots and Traps -Other	-Red Crab (added from Office Hour 2 input) -Longline -Other

Are there additional Fisheries here?

*Provided by NMFS feedback, **Comments from NOAA Proposed Hudson Canyon Sanctuary

Synthesis of Comments

- Incorporated existing input from prior efforts:
 - NYSERDA OSW Master Plan 1.0
 - NYSERDA OSW Master Plan 2.0 Blue Print
 - BOEM Gulf of Maine Draft Call Area
 - BOEM Central Atlantic Draft Wind Energy Areas
 - BOEM CA Leases
 - BOEM OR Call Areas
 - RODA Research Priorities
 - RODA Impact Fees Report
 - Gulf of Maine Fisheries Working Group
 - **NOAA Proposed Hudson Canyon Sanctuary**
 - **BOEM NYB**
- Comment guidelines:
 - General deep water wind environmental concerns.
 - From fishing industry representatives only.
- Analyzed 73 comments.

Northeast and Mid-Atlantic Comments Represented
Atlantic Offshore Lobstermen's Association
Fisheries Survival Fund
Garden State Seafood Association
Gloucester Fishermen's Wives Association (GFWA)
Kavanagh Fisheries
Long Island Commercial Fishing Association
Maine Fisheries Working Group
Massachusetts Fishermen's Partnership (MFP) is
Massachusetts Lobstermen's Association (MLA)
Massachusetts Seafood Collaborative
Massachusetts Seafood Collaborative
Mid-Atlantic Fishery Management Council
National Coalition for Fishing Communities
National Marine Fisheries Service
New England Fishery Management Council
Northeast Seafood Coalition
Responsible Offshore Development Alliance (RODA)
Responsible Offshore Science Alliance (ROSA)
Salt Water Anglers of Bergen County
Seafreeze Ltd.
Seafreeze Shoreside
Surfside Foods, LLC
The Blue Water Fisherman's Association (BWFA)
The Maine Coast Fishermen's Association (MCFA)
The Maine Coast Fishermen's Association (MCFA)
The Maine Lobstermen's Association (MLA)
The New England Young Fishermen's Alliance (NEYFA)
The New Hampshire Commercial Fishermen's Association (NHCFA)
XI Northeast Fishery Sector Inc.

NMFS Specific Concerns

- NMFS AoA specific concerns.

NMFS AoA Specific Concerns

Cold Pool

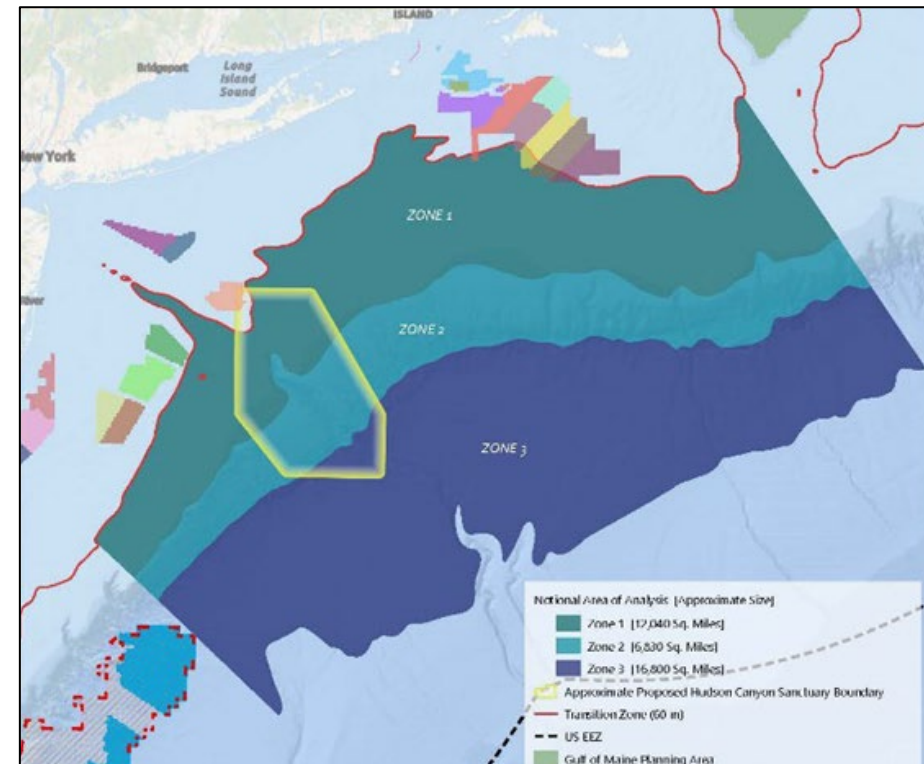
Frank R. Lautenberg Deep-Sea Coral Protection Area

Georges Bank Coral Protection Area

Underwater Canyon

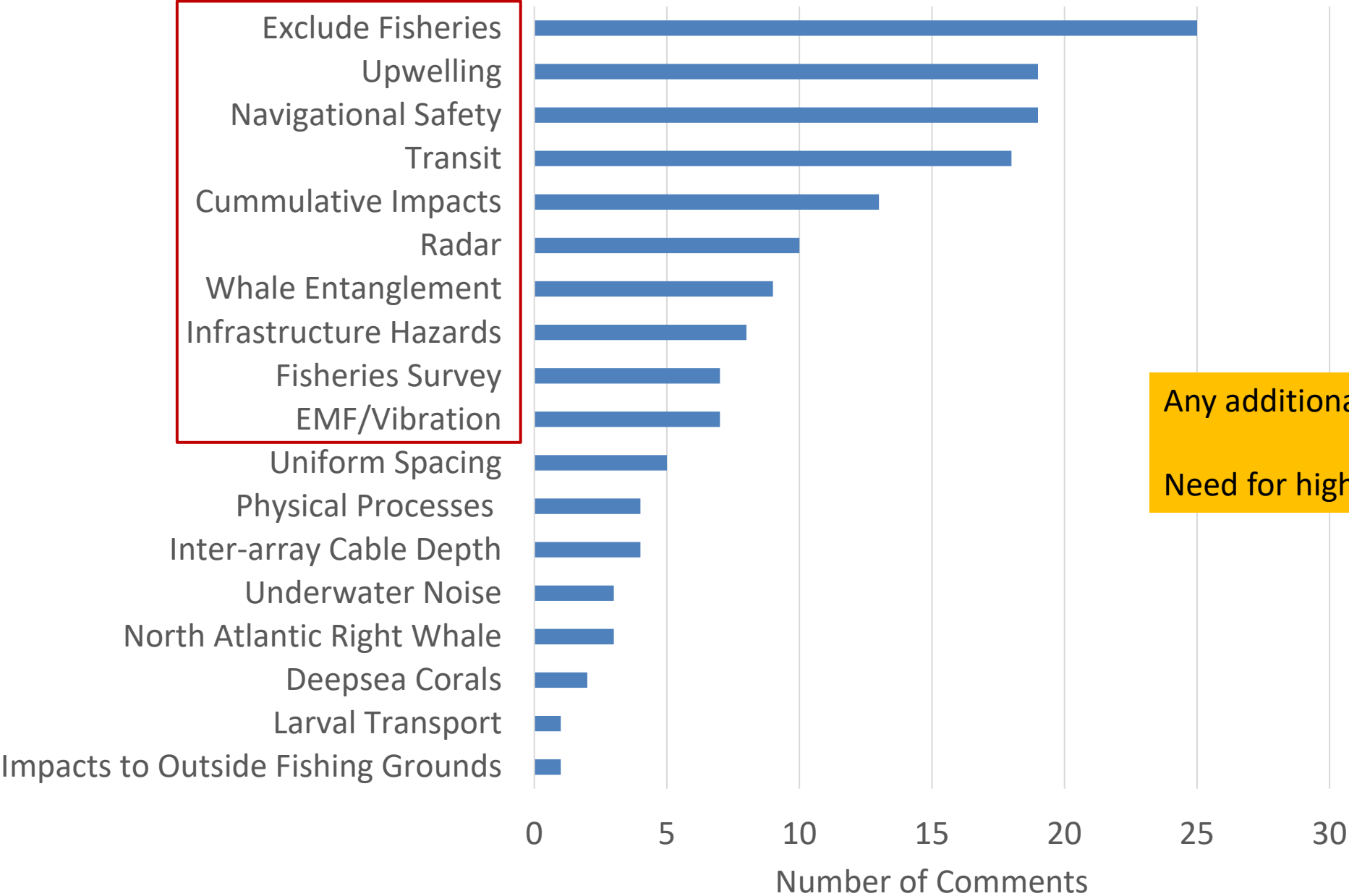
Shelf break habitat for marine mammals

Habitat usage for Zone 3 is not well known



Comment Synthesis

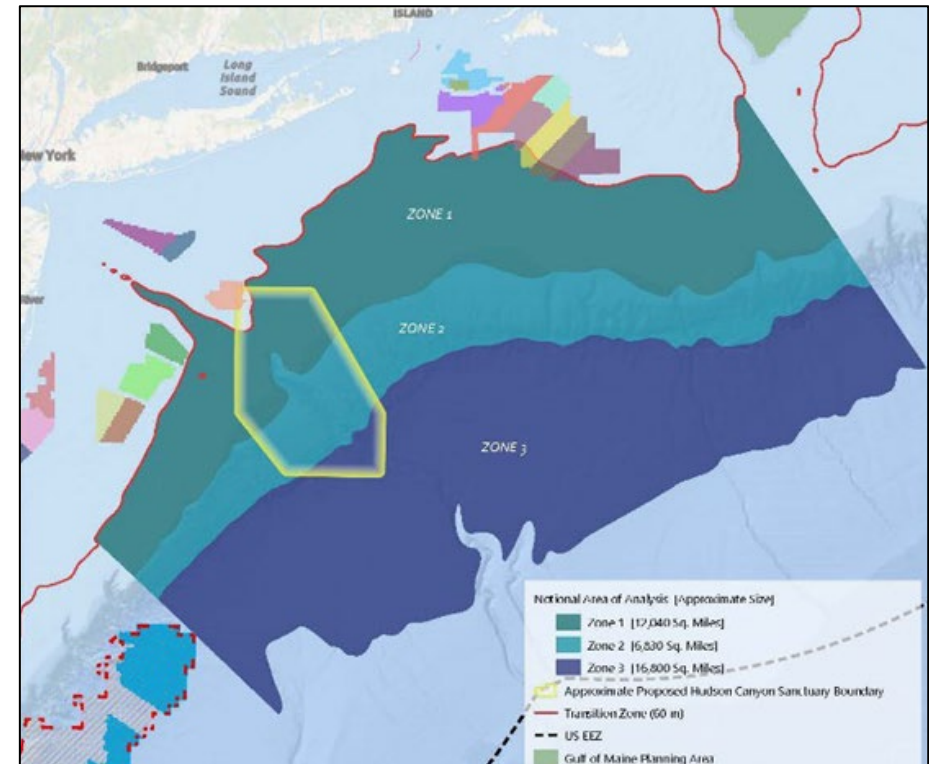
Concern Themes



Any additional concerns?
Need for higher ranking?

Feedback from Office Hour 1

- All prior comments are important, no ranking suggested.
- Review NOAA Proposed Hudson Canyon Sanctuary comments.
- Larval transport.
- Multiple oceanographic processes and their effects elsewhere.
- Themes from NYB comments.
- Floating will be different footprint than fixed (on the seabed and in the water column).



Feedback from Office Hour 2

- Highlighted concerns do represent those of highest interest, especially exclusion of fisheries, upwelling, and oceanic processes.
- Which platform designs and inter-array cable depths are most commonly used or preferred in other floating OSW installations?
- Importance of Zone 1 considerations for scallop fishing interests. Include the FSF letters for the MA RFI and RI/MA Lease Issuance that influenced the communication of information to remove scallop areas from the MA-RI WEAs.
- Is New York State considering areas closer to shore, which would have considerably less impacts on fisheries?
- The type of mooring system used by deep water OSW could influence constraints with fishing interests (e.g., potential to prevent trawling or bottom dredging).
- Mid-Atlantic groups seem to be underrepresented.
- Considerable interest in the potential to install cell receivers on OSW infrastructure to extend cell service at sea, continued concerns with radar, and collision with platforms.
- The commercial long line fishing industry has considerable concerns about deep water OSW development. The Bluewater Fishermen's Association should be contacted for additional information.

Feedback from Office Hour 3

- Request to assess floating OSW options with turbines sited as close as possible, in order to minimize the exclusion areas for fisheries. Potential future work product.
- Considerable commercial pelagic longline fishing in Zone 2 and Zone 3, determined by oceanic processes. Need distinction between bottom longline and pelagic longline interests. Anything outside of 100 fathoms in depth is an area for pelagic longline gear.
- Agreement with NMFS concern that there is a lack of knowledge and studies around the benthic habitats in Zone 3.
- Underwater noise is under emphasized in the comment synthesis.
- Distinction between navigational safety for non-fishing vessels and fishing vessels.
- Concerns with prioritizing the different comment themes against each other and ranking them. The primary concern should be the cumulative impacts of OSW development.
- Greatest area of concern are the impacts on fishing in Zone 1.
- Number of turbines required to meet 9GW depends on technology and size.
- New York is working with 11 other states, developers, and interest groups to develop a regional compensation framework across the region for compensation that accounts for losses associated with OSW. NYSERDA is the signing party for OSW contracts.

Further Input

- What work products would be important to highlight? – examples of prior work-products below
 - Transit Lane Workshop (example of that outcome shown in the image here)
 - Offshore Wind Submarine Cabling Overview
 - State of the Science Workshops

