



**NOAA**  
**FISHERIES**

# Developing a Report on West Coast Fisheries Considerations in Offshore Wind Development

A BOEM-funded Report under IAA--- M22PG00032

Overview for the PFMC's Marine Planning Committee  
Feb. 23, 2023

**Lisa Pfeiffer, Ph.D**  
Research Economist  
NMFS Northwest Fisheries Science Center

**Jennifer Lilah Isé**  
West Coast Offshore Wind Energy Coordinator  
NMFS West Coast Region

# Presentation Overview

- Purpose of this presentation
- Overview of Project
- Key elements of the report
- Invitation for Input / Questions for Discussion



# Information Sharing

- Not a formal comment opportunity
- Awareness
- Invite input and suggestions we can consider for inclusion



# Project Overview

- Funded under BOEM's [Environmental Studies Program](https://www.boem.gov/sites/default/files/documents/regions/pacific-ocs-region/environmental-analysis/PR-22-SOC.pdf)
  - Oct 2022 to Sept 30, 2023. Study brief: <https://www.boem.gov/sites/default/files/documents/regions/pacific-ocs-region/environmental-analysis/PR-22-SOC.pdf>
- Objective:
  - For BOEM to better understand socioeconomic characteristics of West Coast fisheries in relation to offshore wind (OSW) development
  - Provide additional information to enable BOEM to conduct a more thorough analysis of potential impacts from OSW activities (including siting characterization, leasing, construction and operations, and decommissioning) on fishing sectors and communities.
- Leverage NMFS unique expertise in fisheries socioeconomics
- NMFS will prepare a socioeconomic report describing West Coast fisheries -- Due to BOEM Sept 30, 2023



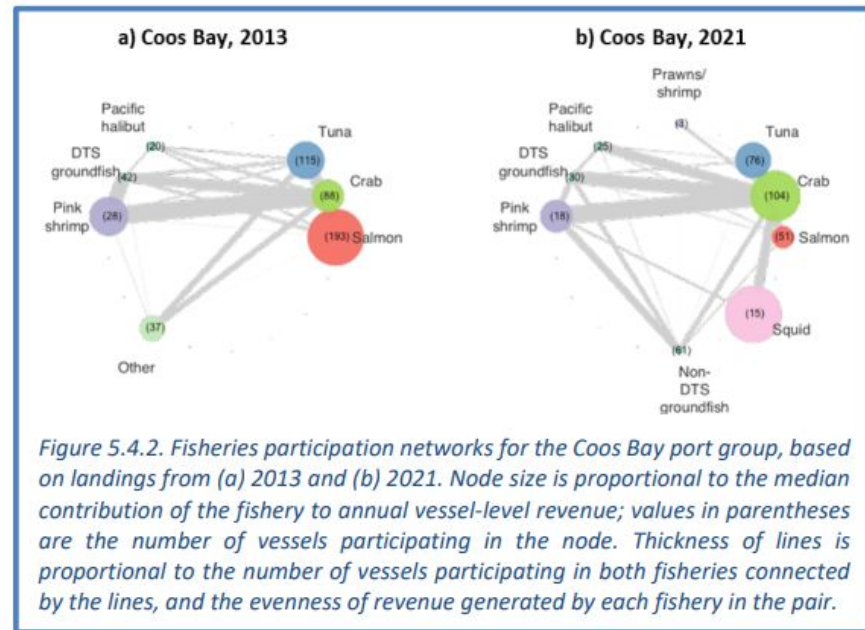
# West Coast Fishing Communities Report -- Key Elements

1. Describe West Coast federal commercial and recreational fisheries, supportive industries and infrastructures, unique interconnections (i.e., portfolios), and operational aspects
2. Identifies the types of socioeconomic data available, their complications and other issues, types of socioeconomic modeling and data analysis commonly used by NMFS scientists, and how each source of information can contribute to BOEM' s planning steps (including NEPA)
3. Identifies ways to incorporate information from non-federal fisheries of relevant scope to BOEM priorities
4. Describe ways to identify sectors and primary and secondary markets that may be most susceptible to impacts from offshore wind development
5. Describes tools and methods to estimate direct and indirect impacts from offshore wind development offshore CA, OR, and WA
6. Gives special consideration to potential fisheries socioeconomic impacts from a range of potential offshore wind energy area development across states and jurisdictions



# 1 - Federal commercial and recreational fisheries, supportive industries and infrastructures, unique interconnections (i.e., portfolios), and operational aspects

- Look to fishery descriptions in FMPs
- For example:
  - Harvesters
  - Charter fishing operations, private anglers
  - Seafood buyers and processors
  - Fisheries infrastructure -- refrigeration/warehousing, Ship and boat building and repair, marinas, etc.
- Interconnections / portfolios and Operational aspects
  - NOAA CCIEA Report
  - Economic data collections



Fishery participation networks,  
NOAA CCIEA Report

# Socioeconomic data, tools, and methods (#s 2 & 5)

## 2 - Types of socioeconomic data available ... modeling and data analysis commonly used in fisheries management

- Data types examples
  - Advantages and disadvantages of each type of fishery data (tickets, logbooks, VMS, etc)
  - Economic data (EDC, cost-earnings)
  - Social data (social surveys, indicators, fishing community profiles)
- Modeling and analysis examples
  - Fishery management analyses under MSA, RFA, NEPA

## 5 - Tools and methods to estimate direct and indirect impacts from OSW development off CA, OR, and WA

- I/O PAC (Input/Output Economic Impact Model for the Pacific)
- Social Indicators Tool
- What these methods can do (and cannot do)

# Welcome discussion on those and...

- 3 - ways to incorporate information from non-federal fisheries
- 4 - how can primary and secondary markets that may be most susceptible to impacts from OSW development be identified?
- 6 - consideration of potential fisheries socioeconomic impacts from a range of potential OSW development across states and jurisdictions
- Are there fisheries management actions that you feel would be a good model to follow?
- Local fisheries knowledge resources (papers, databases, fora)?
- How to address lack of adequate spatial data for recreational fisheries?



# Thank you.

If you have additional thoughts, feel free to contact Lisa and Lilah.

## **Lisa Pfeiffer**

[Lisa.Pfeiffer@noaa.gov](mailto:Lisa.Pfeiffer@noaa.gov)

Research Economist  
NMFS Northwest Fisheries  
Science Center

## **Jennifer Lilah Isé**

[Jennifer.Ise@noaa.gov](mailto:Jennifer.Ise@noaa.gov)

West Coast Offshore Wind Energy  
Coordinator  
NMFS West Coast Region

Questions for BOEM, contact Project PI:

## **Karen Villatoro**

[karen.villatoro@boem.gov](mailto:karen.villatoro@boem.gov)

Economist  
BOEM Pacific Regional Office

