

FISHERIES USE ANALYSIS MAPPING WORKSHOP WITH THE WASHINGTON COASTAL MARINE ADVISORY COUNCIL

November 9, 2015

2:00-4:00 PM

WDFW's Regional Office

Montesano, WA



*Washington
Department of*
**FISH and
WILDLIFE**

LINK FOR JOINING THE WEBINAR

<https://global.gotomeeting.com/join/466738424>

FOR WEBINAR AUDIO

[+1 \(619\) 550-0004](tel:+16195500004)

[Access Code: 466-738-424](https://global.gotomeeting.com/join/466738424)

Audio PIN: Shown after joining the meeting (each caller gets their own)

Meeting ID: 466-738-424

Webinar Protocols

All Webinar participants will be muted and discussion will be directed by the facilitator.

WCMAC members: please indicate desire to comment or ask a question with the GoToMeeting “chat” feature to be unmuted. Listen for the facilitator’s guidance on when to speak.

- Either type your question and the facilitator will ask it, or ask to be unmuted to ask your question.

For the Public: all attendees will be given the opportunity to use the chat feature during the public comment period and will be recognized by the facilitator accordingly.

Webinar Technical Difficulties?

- Instructions for connecting to the webinar are on the first slide of this presentation.
- If you have technical difficulties with audio, please use the chat box located at the bottom of the expanded GoTo Meeting Control Panel to contact staff.
- If you are unable to connect to the webinar at all, please call WDFW's Region 6 phone line: 360-249-4628 and someone will assist you.

Agenda

2:00 pm Introductions/Purpose of the Meeting
Susan Gulick

Purpose: WDFW describe fishery intensity mapping process, definitions of high, medium, and low intensities, and propose how fishery maps would be considered in the State’s “use analysis”

2:10 pm Coastal Fisheries Presentation Michele Culver/Corey Niles

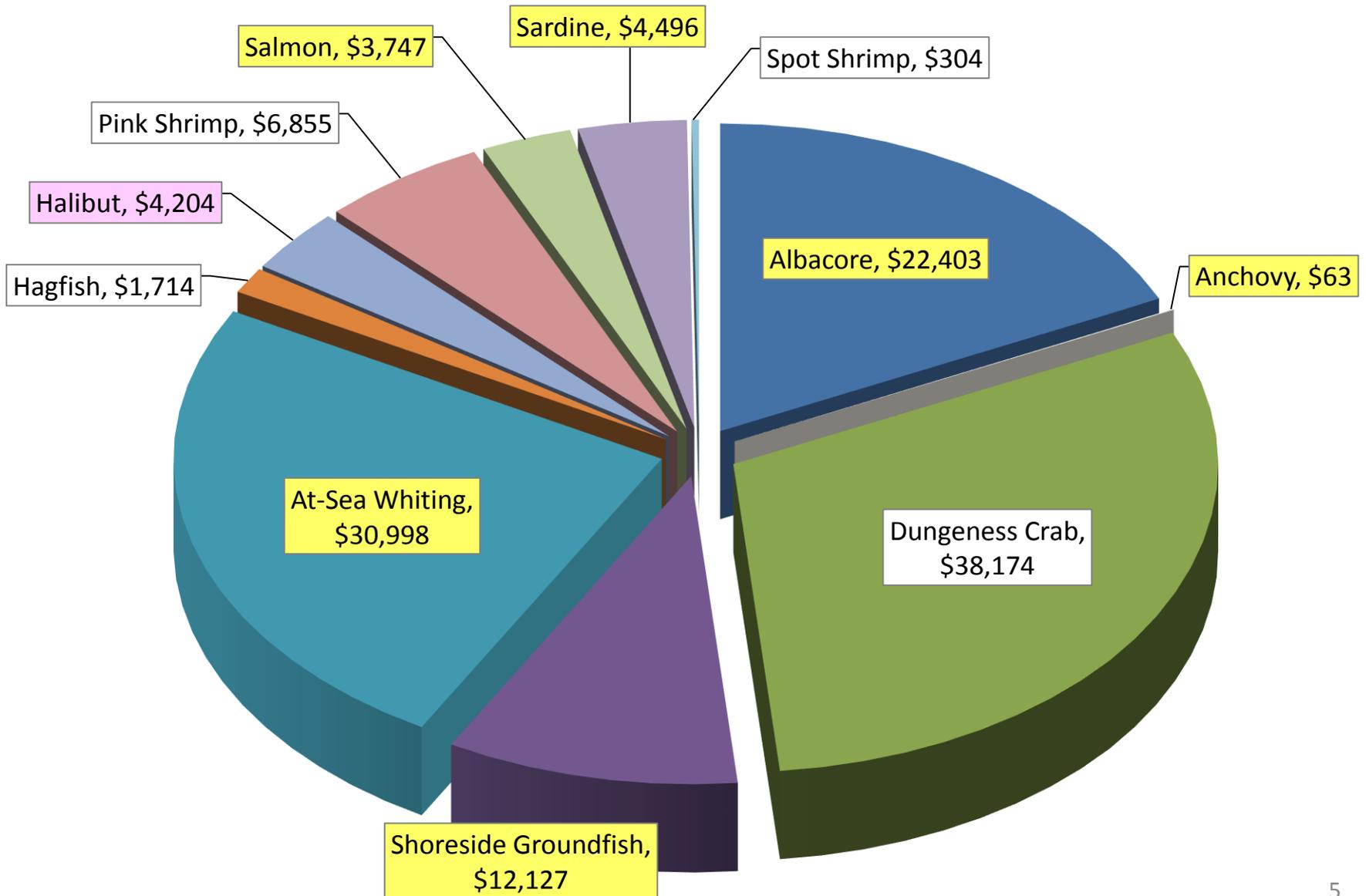
- Coastal Fisheries Overview
- Fishery Intensity Mapping Approach
- Application of Fishery Intensity Maps in “Use Analysis”
- Status Update on Fisheries Maps and Next Steps

3:00 pm Q & A Session and Feedback from WCMAC Members

3:45 pm Public Comment

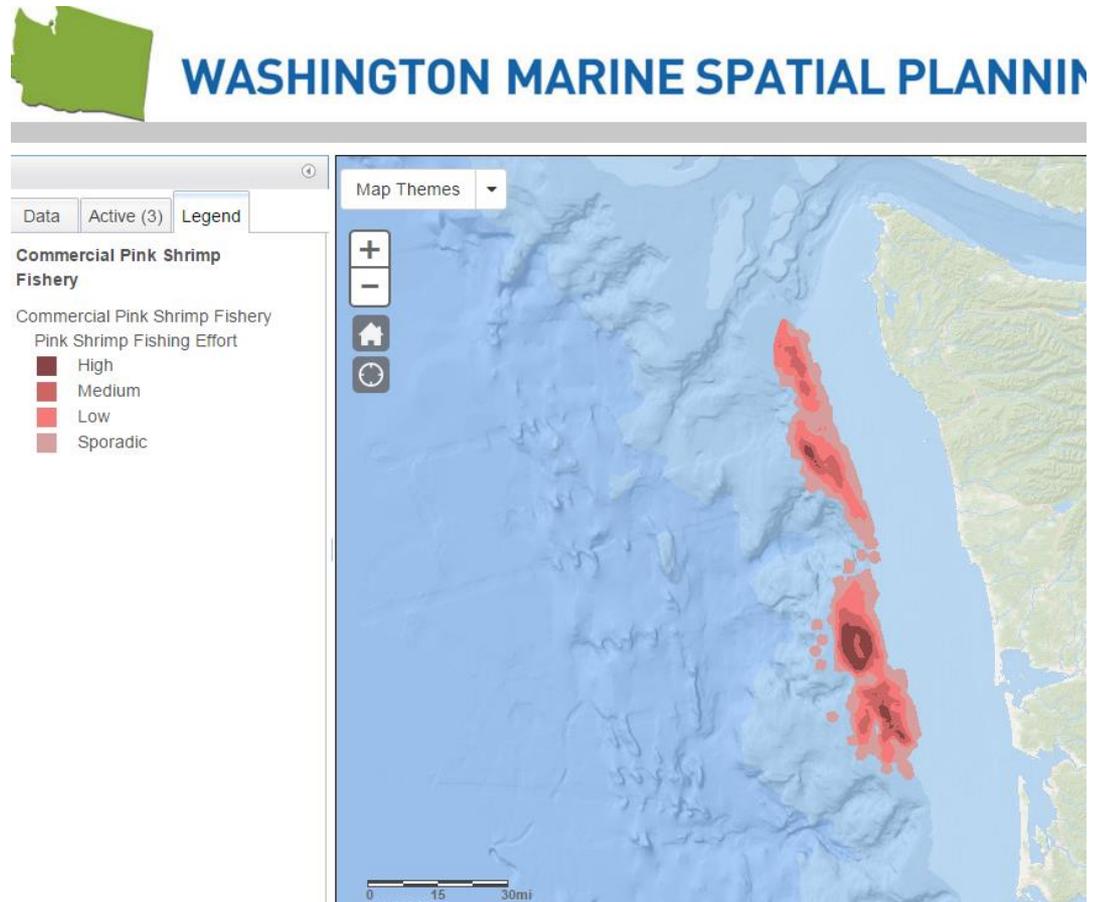
4:00 pm Adjourn

WA Coastal Commercial Fisheries Average Ex-Vessel Revenue (thousands \$) 2010-2014



Updating Existing Fisheries Maps

1. Incorporate new data where available.
2. Revisit definitions of “High”/ “Medium”/ “Low”
3. Additional feedback from fishery participants.
4. Summarize information by the MSP Planning Area grid



Maps being Updated

See handout:

Status of Fisheries Use Maps

Fishery	Existing Map On Portal		Updates		Type
	Source	Years	Being Completed	Notes on Update	
Commercial					
Albacore	Logbooks- Produced by SWFSC (1° blocks)	2000-2013	Yes	Raw logbook data (1995-2014) and interviews	Footprint and intensity
Dungeness Crab	Logbooks	2009/2010-2011/2012	Yes	Added 2012/2013 and 2013/2014 seasons	Footprint and intensity
Groundfish					
Fixed Gear	Not on portal		Yes	WDFW met with fixed gear fleet on March 25th	Footprint
Bottom Trawl	Logbooks	2003-2011	Yes	Added 2012-2014	Footprint and intensity
Pacific Whiting	Logbooks	2003-2011	Yes	Added 2011-2014 at sea	Footprint and intensity

Fisheries Use Mapping Approach

1. Step 1 is to identify the “footprint” of each fishery
 - The footprint covers all areas that the fishery has occurred in or show potential to occur in based on the available information.
2. Second, we are attempting to characterize areas of high, medium, and low intensity within the footprint.

Definitions of High/Medium/Low

- Where available, we focus on units of fishing effort by hexagon in the MSP Planning Area hexagonal grid (i.e. number of sets or tows per hexagon) .
- Following the approach taken with the ecologically important areas definition of importance, we based the definitions on quantiles/percentiles:
 - **Top 25 percent** of hexagons are “**High**”
 - **Middle 50 percent** are “**Medium**”
 - **Bottom 25 percent** are “**Low**”
- Rankings are relative, i.e. each fishery is ranked only against itself.

Definitions of High/Medium/Low cont'd.

- For some fisheries, detailed location data is not available or did not lend itself to the percentile approach (e.g. 45 percent of the hexagons have a fishing effort value of 1 set).
- In such cases, we define intensity based on professional judgment of fishery managers and participants.
 - E.g. salmon troll, sardine, commercial and recreational albacore.

“Intensity” vs. “Conflict” vs. “Impact”

Fishing intensity does not equate to high/medium/low “conflict” or “impact.”

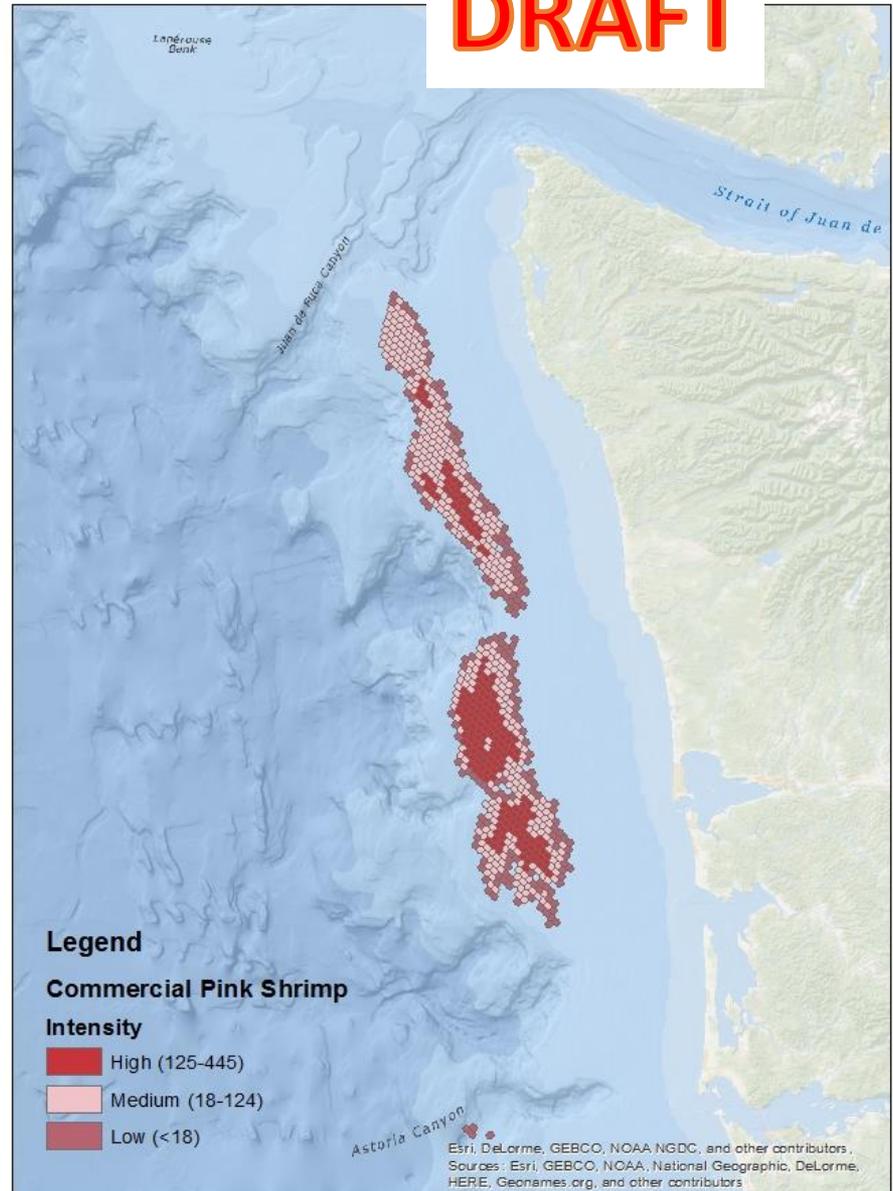
- E.g., areas that rank relatively low in terms of intensity could still be economically important to the fishery.
- WDFW continues to recommend that all overlaps between fisheries and new uses being described as having potentially “high conflict.”
- Proper evaluation of the potential impacts caused by a new use on a fishery would require full impact analysis.

Maps Based on Percentile Definitions

DRAFT

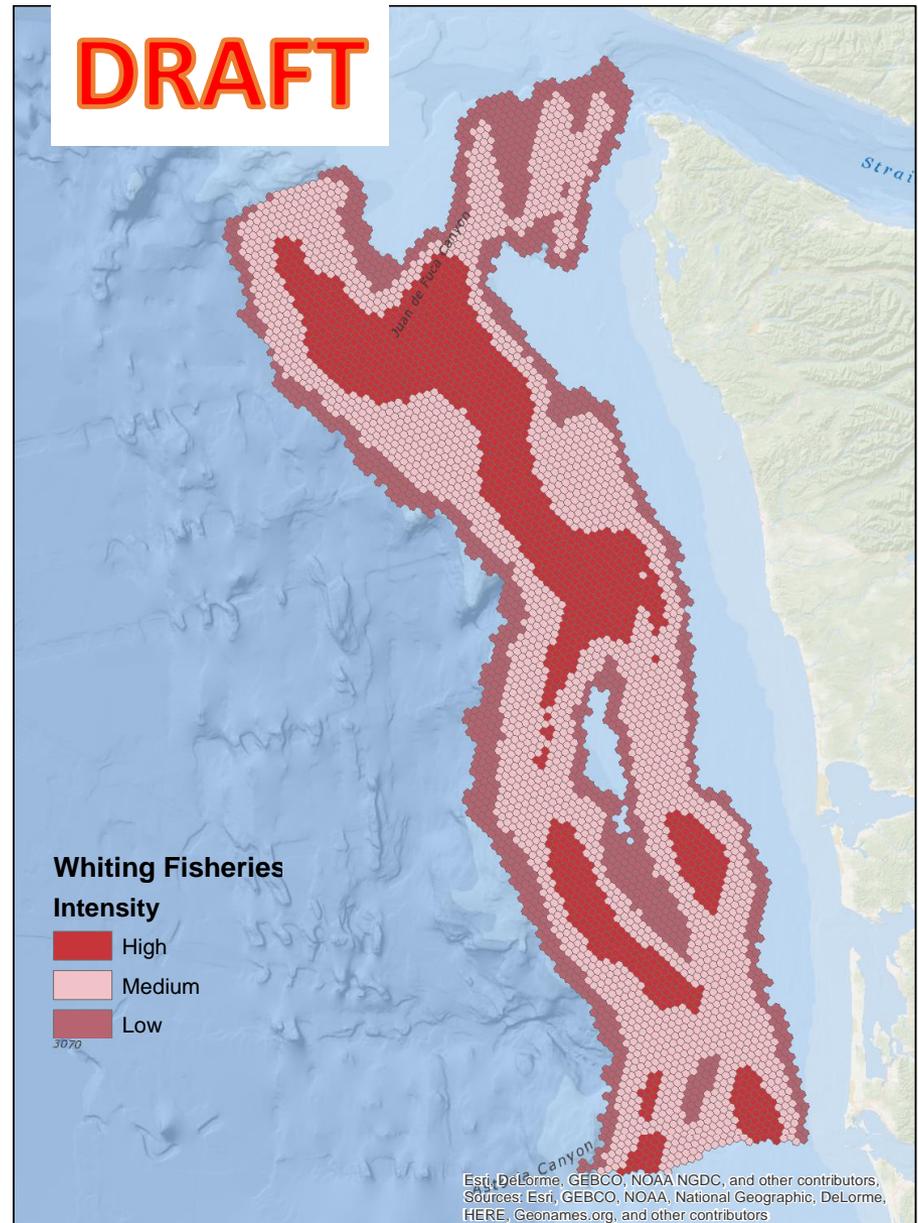
Commercial Pink Shrimp

Source: Logbooks (2011-2014)



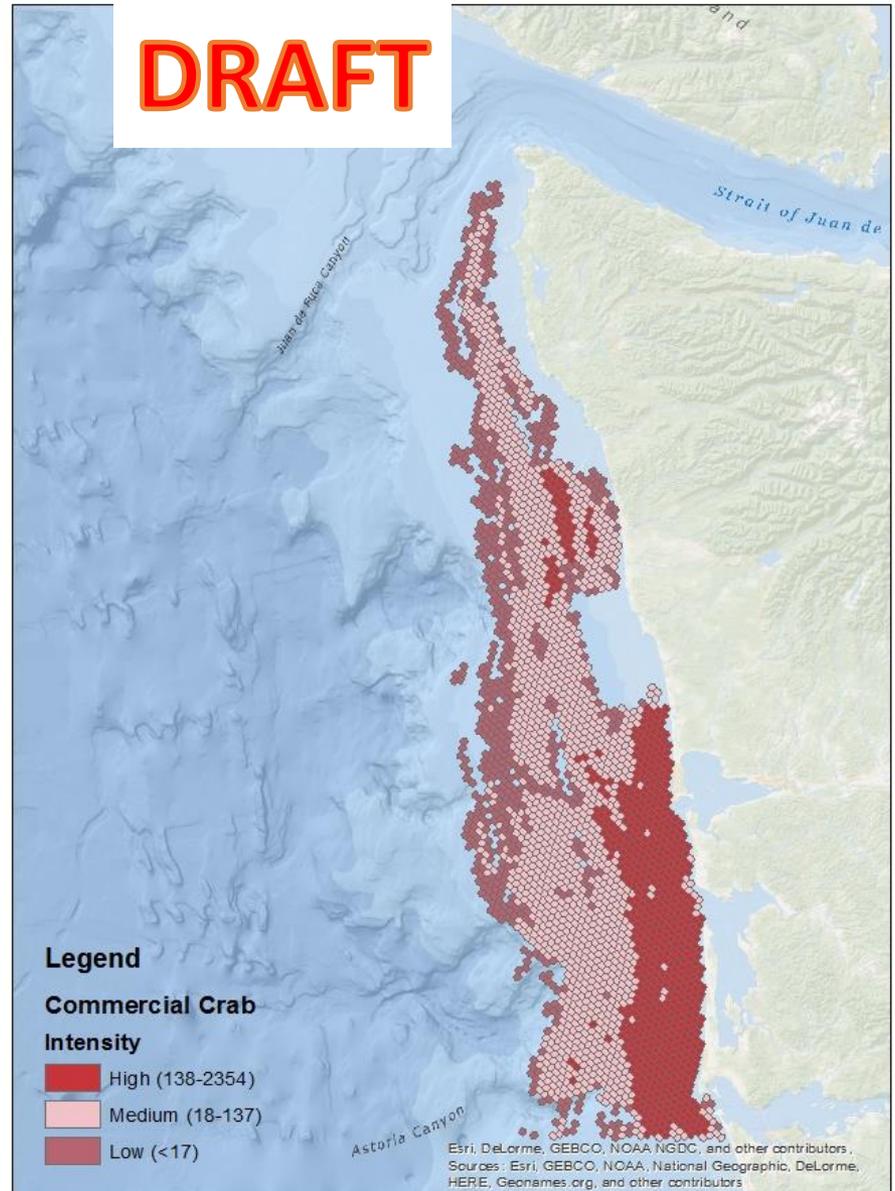
Commercial Whiting Fisheries

Source: Logbooks and At-Sea
Hake Fishery Observer Program
records (2003-2014)



Commercial Dungeness Crab

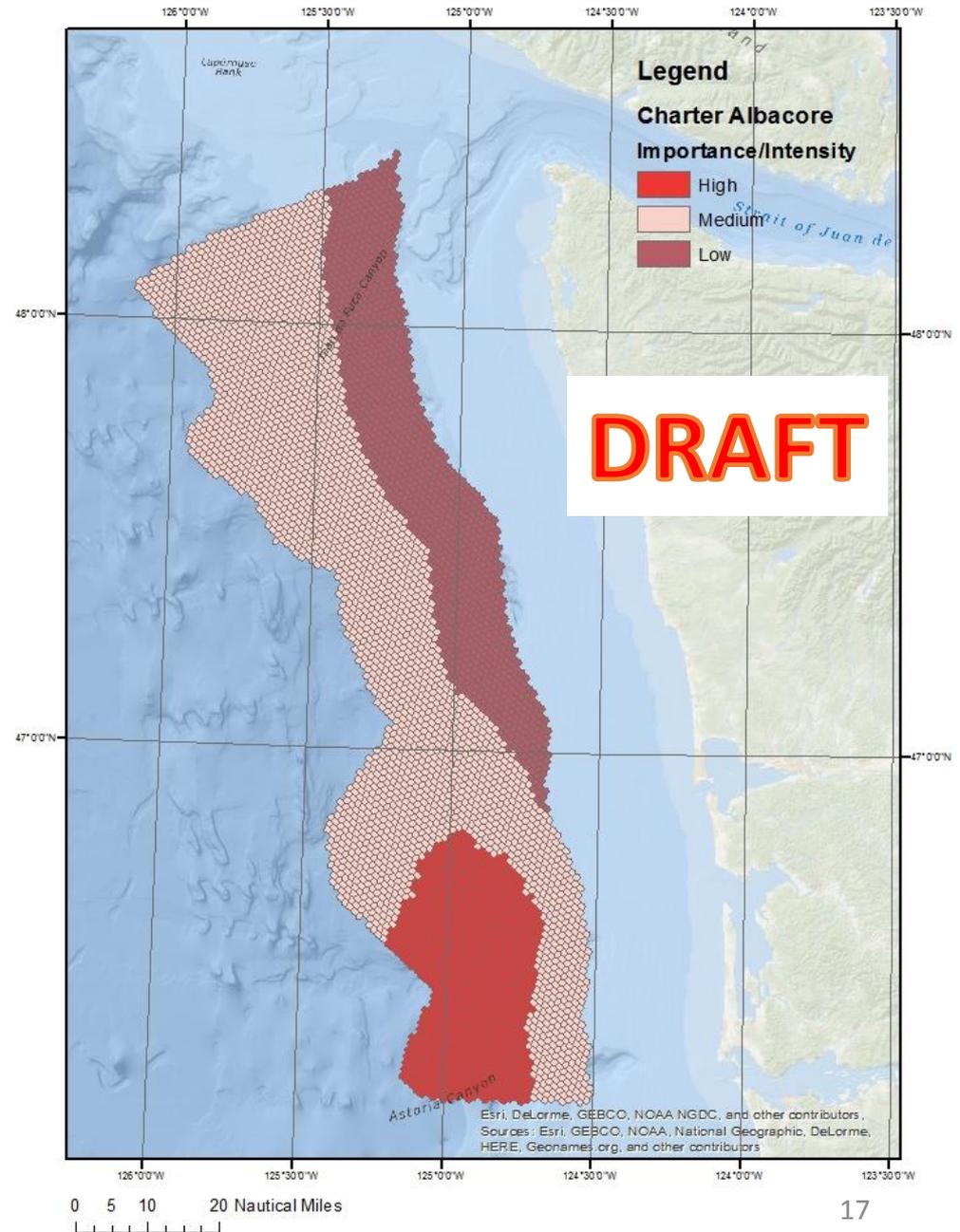
Source: Logbooks from
2009/2010- 2013/2014



Maps Based on Logbook Data with Criteria-Based Intensity Definitions

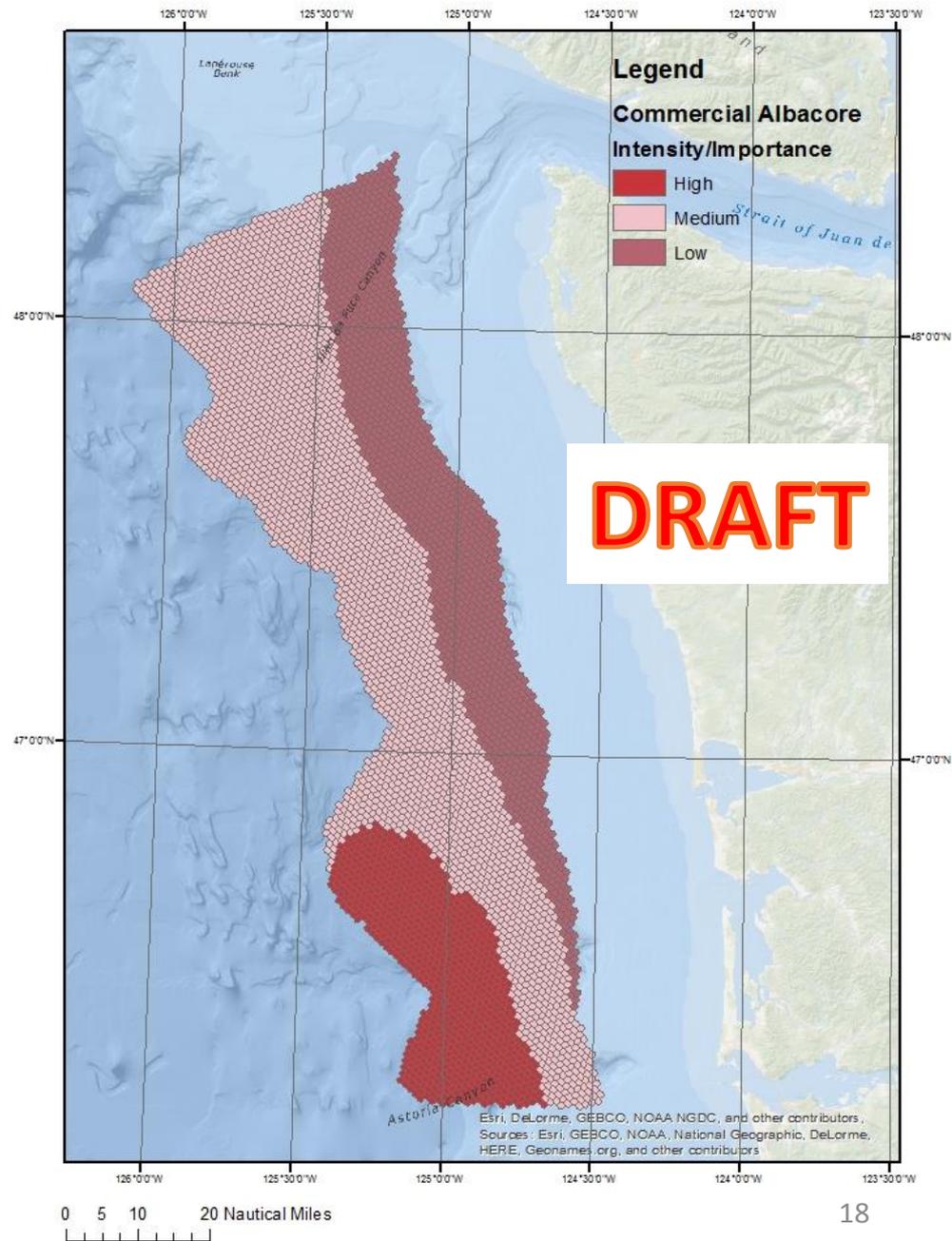
Charter Albacore

Source: Logbook data (2006-2014) and angler interviews



Commercial Albacore

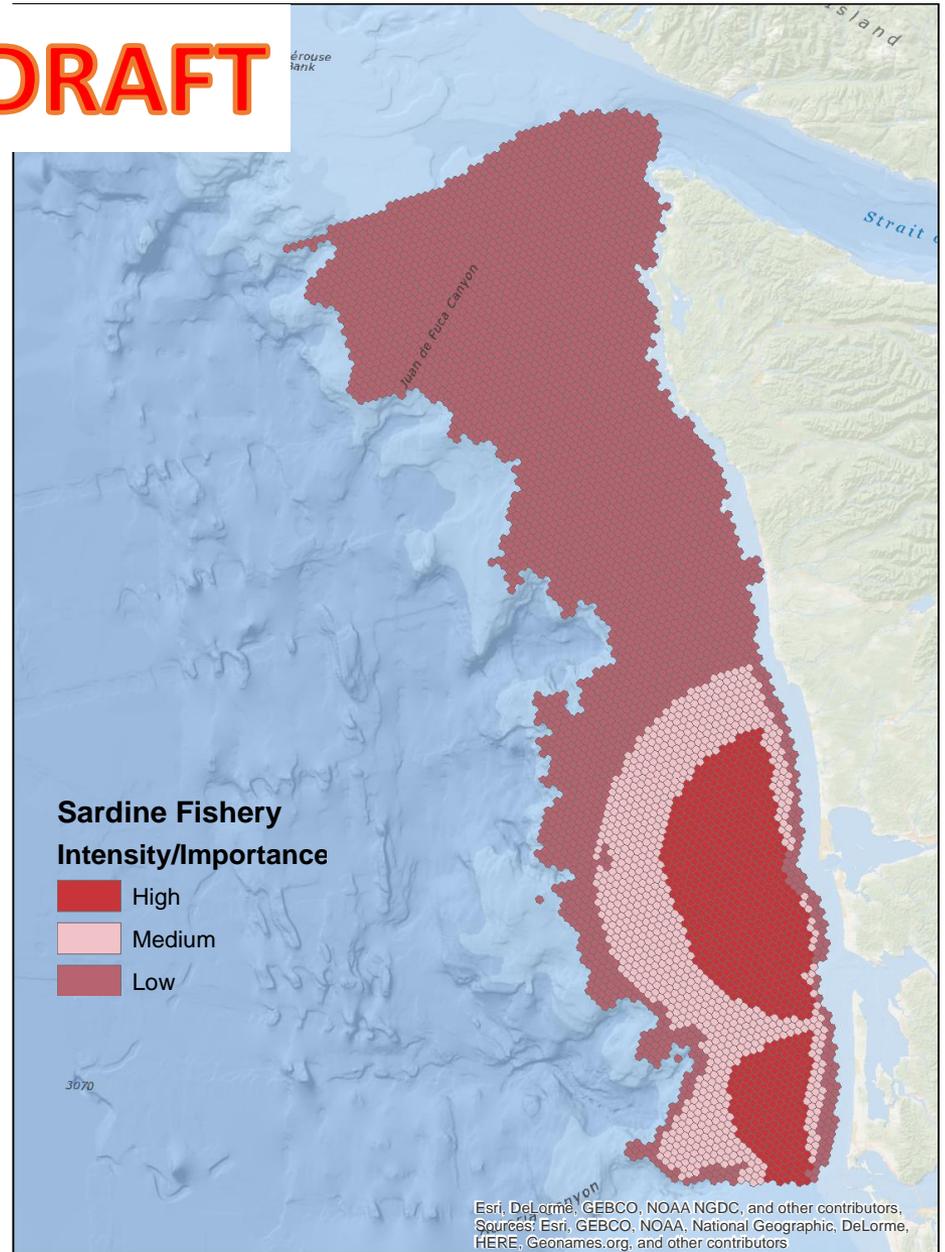
Source: Logbook data (1995-2014) and angler interviews



DRAFT

Commercial Sardine

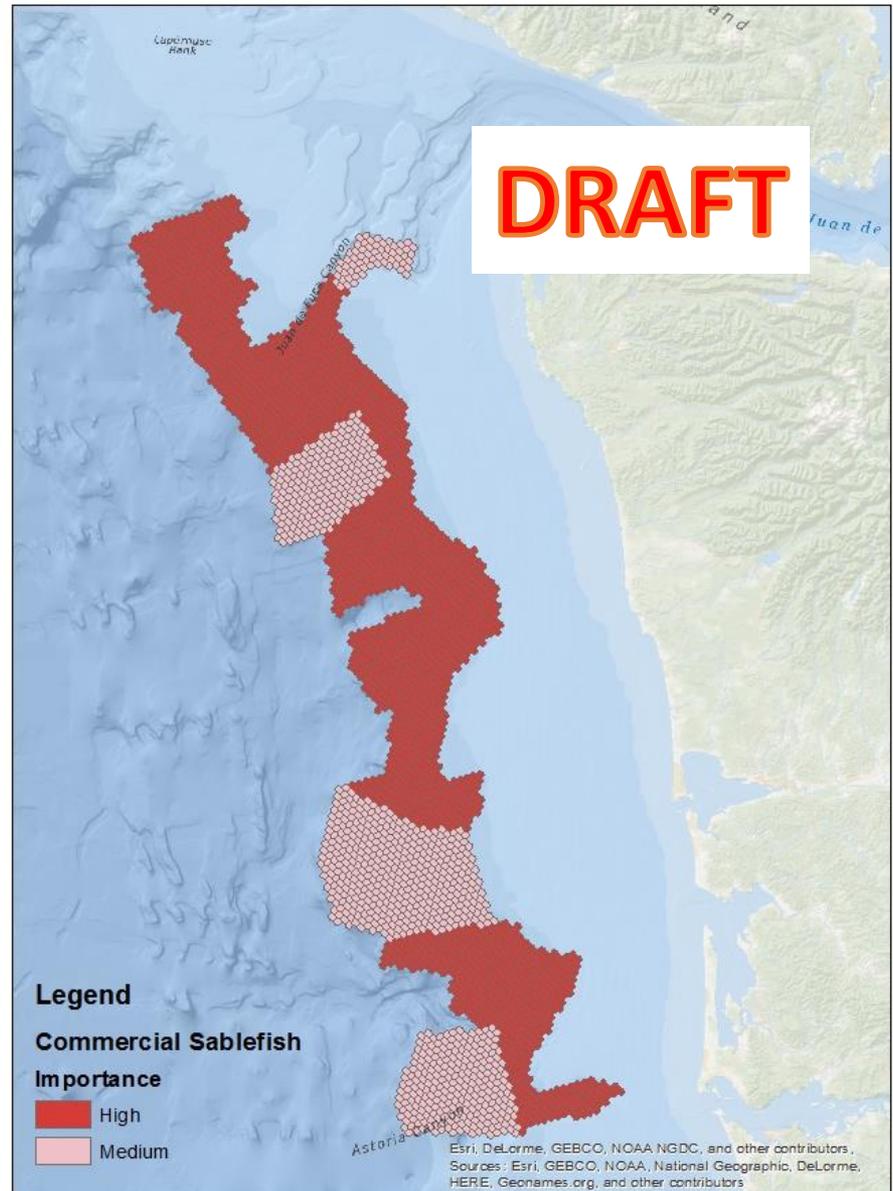
Source: Logbook data (2002-2014) with intensity defined by distance from port and depth criteria.



Maps Based on Interviews with Fishery Participants and Managers

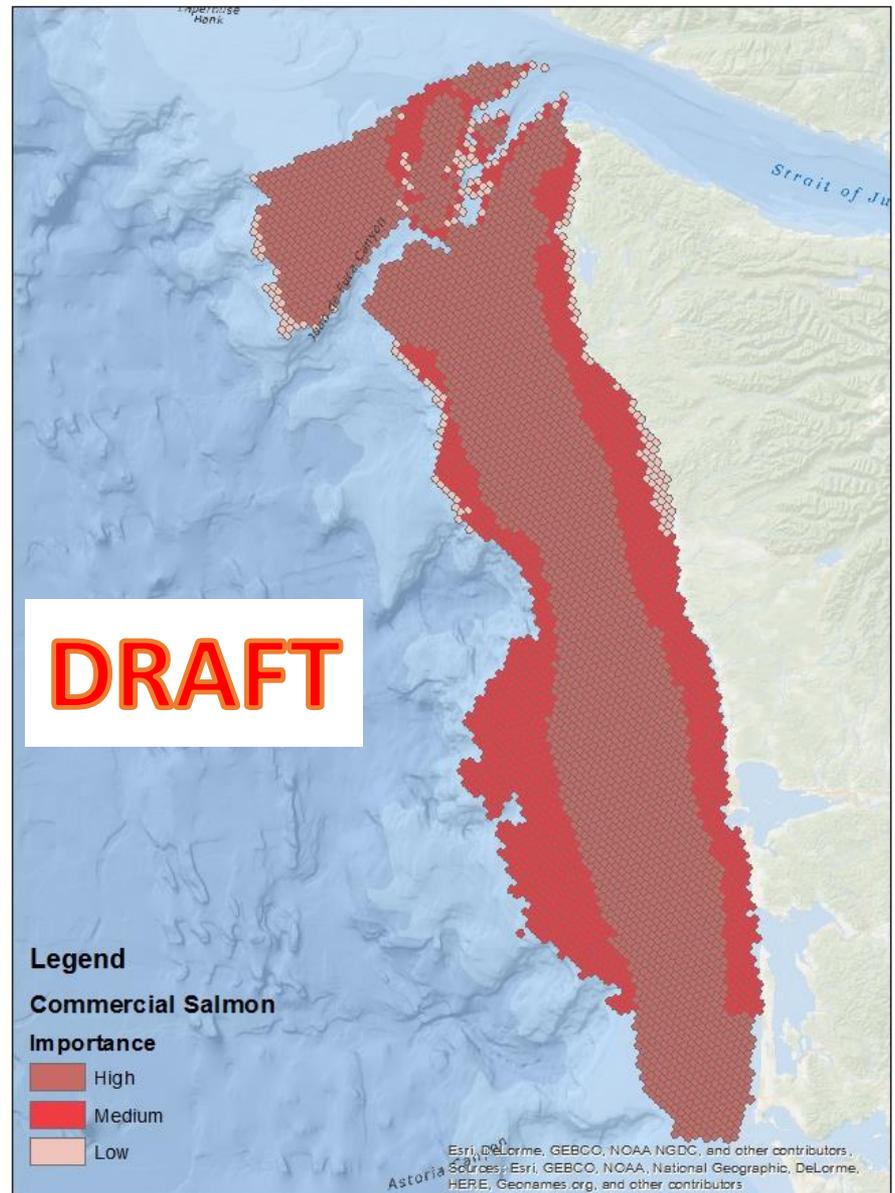
Commercial Sablefish (Fixed Gear)

Source: Angler interviews



Commercial Salmon

Source: Interviews with Salmon Trollers



Next Steps

- Incorporate any final feedback from industry
- Roll up fishing maps to create 1. sum of uses map and 2. overall intensity of use map.
- Fishing maps will be combined with the other Use Analysis maps and shown to the WCMAC at its December 9th meeting.