

Your Opportunity to Provide Input on Management Options to Reduce the Risk of Whale Entanglement in Oregon

Important Questions for Oregon's Dungeness Crab Industry

**(PRELIMINARY)
RESULTS
ROUND 2**



What did we do?

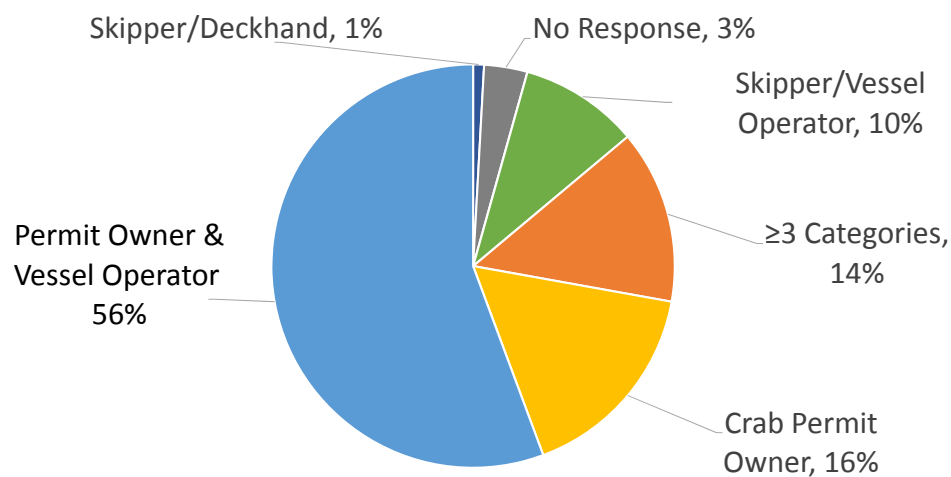
Late Oct	Decided to do a survey
Nov	Drafted survey, consulted with OSU IRB, applied for oversight determination.
Dec	Received oversight determination (not research), revised survey based on feedback.
Late Dec	Mailed survey to all permit owners (424)
Early Jan	Began receiving mailed surveys
Mid Jan	Start of crab season
Jan – Apr	Group members conducted follow up to encourage participation
Apr	Reported prelim results to working group. Decided to seek addl participants.
May	Mailed survey to ODCC mailing list (344)
Late June	Reported results to the Working Group

Survey Responses – Needs to be updated

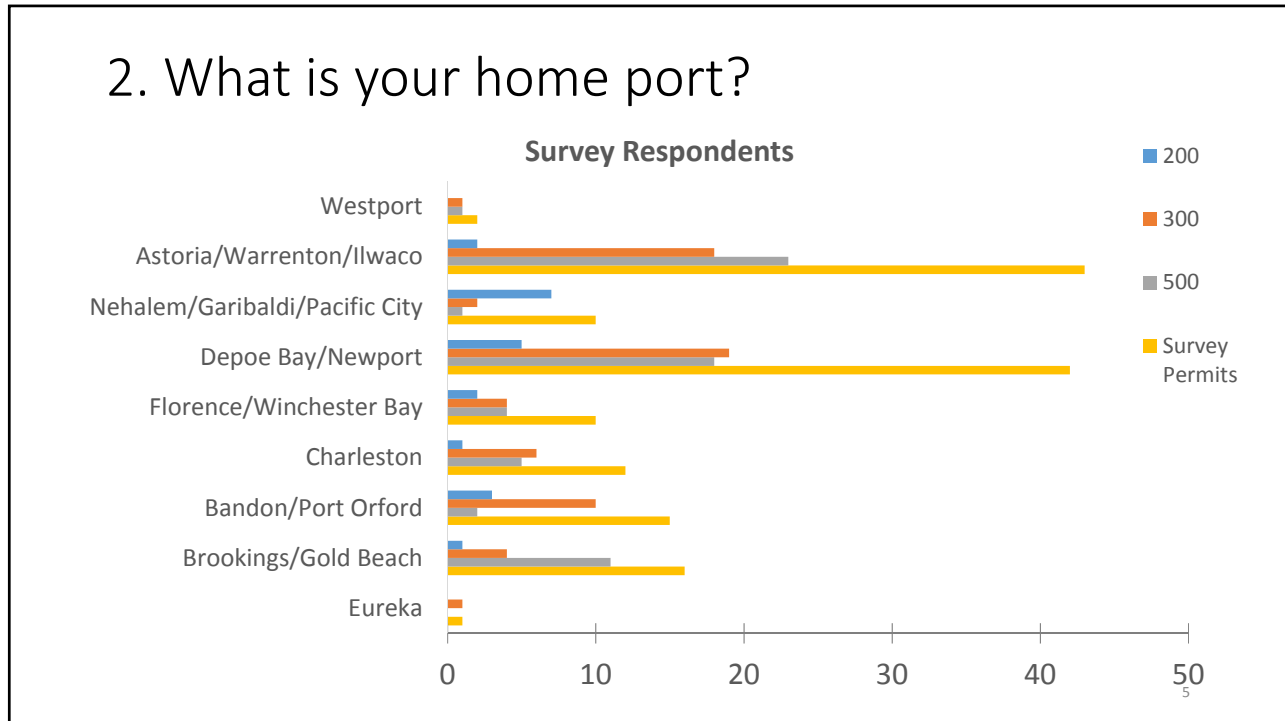
- Mailed 424 (Dec) + 344 (May) surveys
- Received 111 responses
- Response rate = 26.2% (of 424 permits)

- 89 (80%) of the survey respondents provided contact information

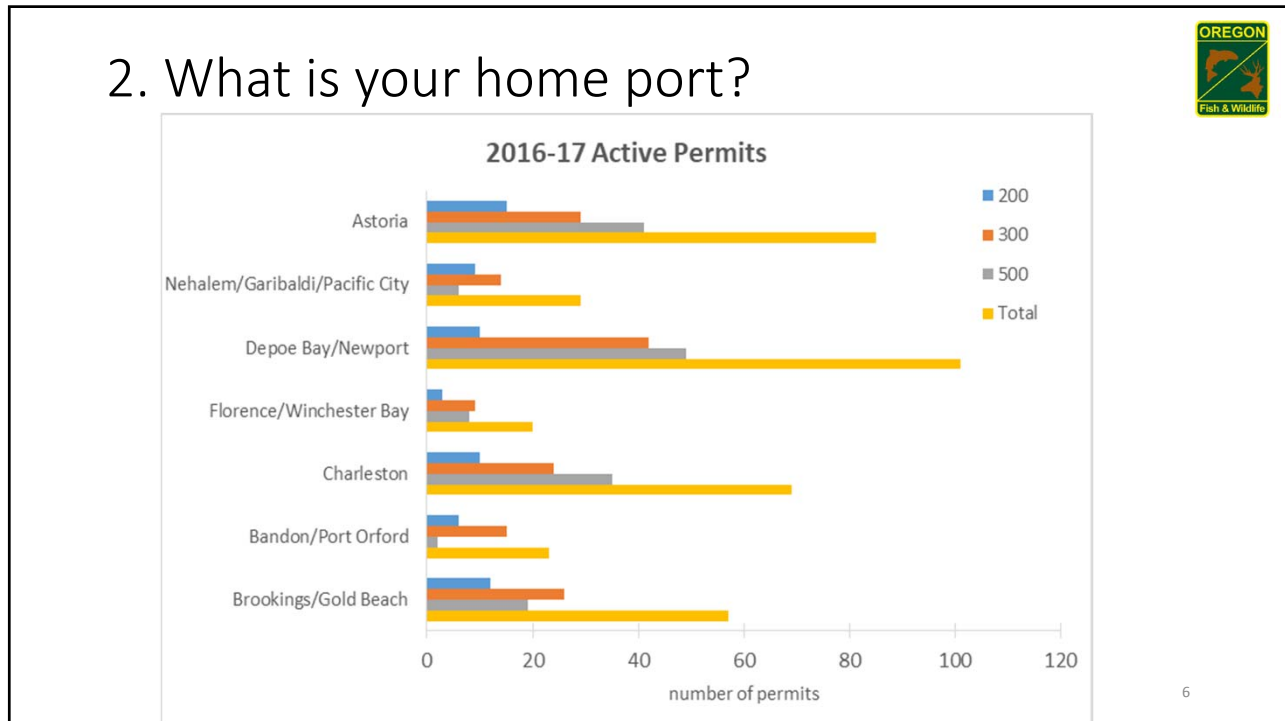
1. What is your role in the industry?



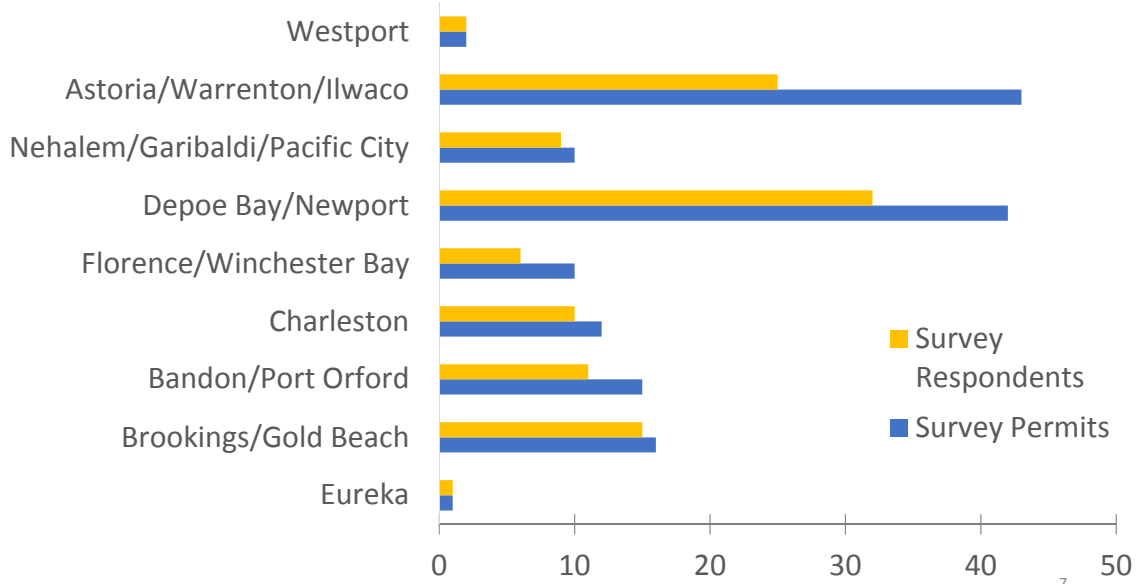
2. What is your home port?



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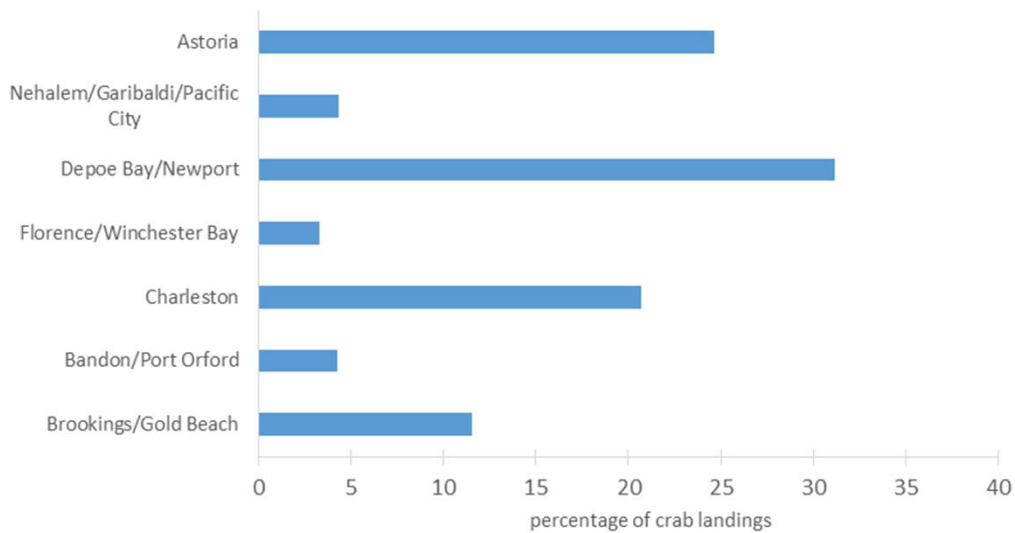


2. What is your home port?

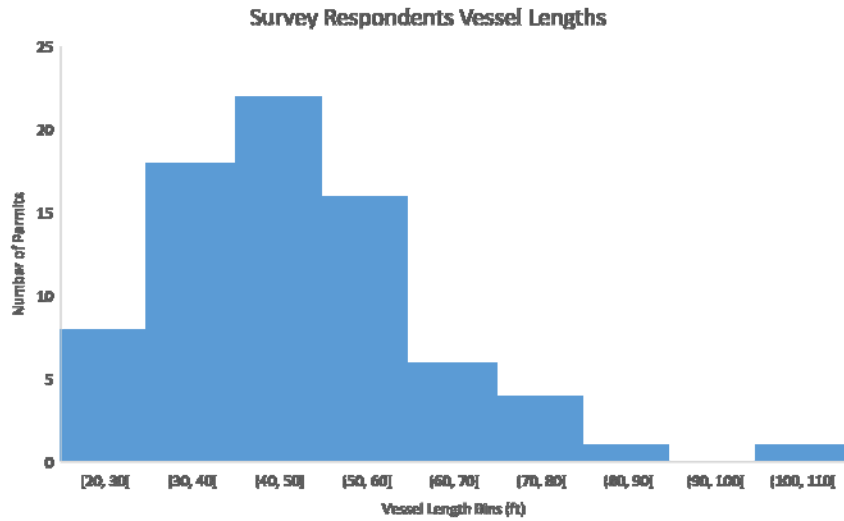


2. What is your home port?

5 yr average % of crab landings (2012-13 through 2016-17)

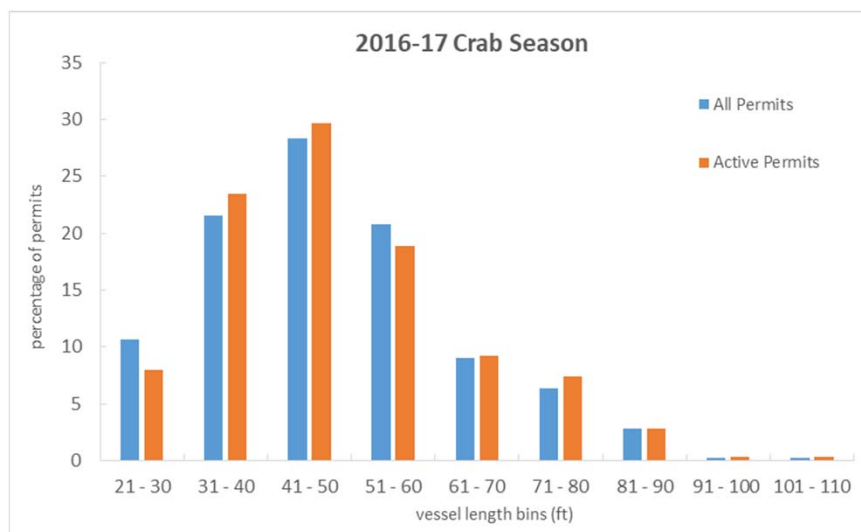


4. What is/are your vessel lengths?



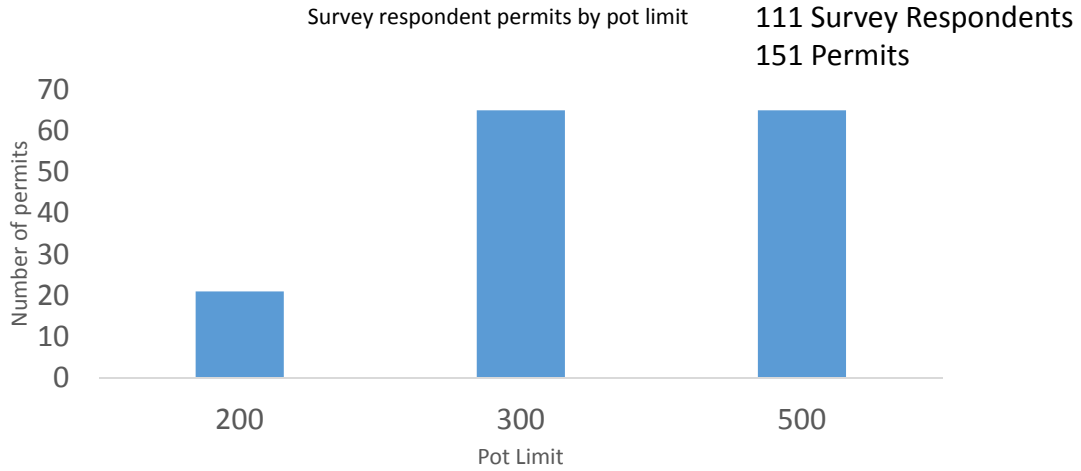
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4. What is/are your vessel lengths?



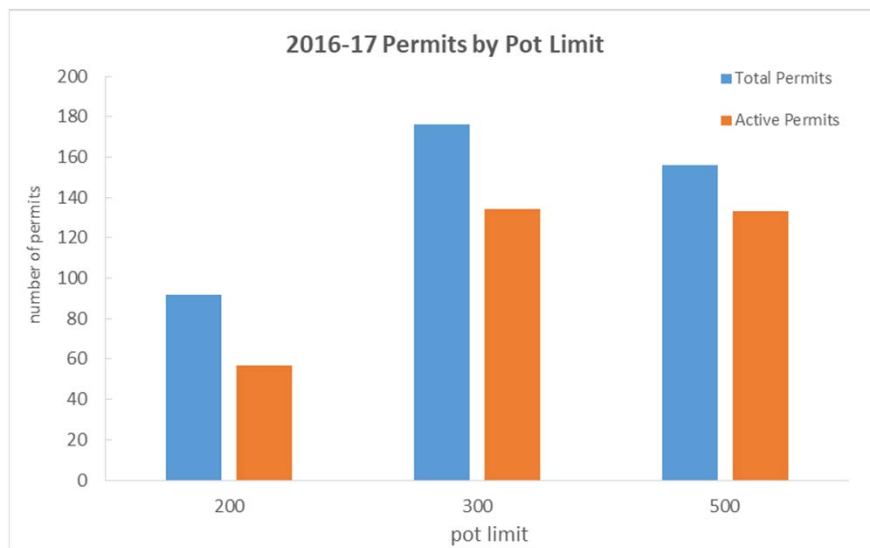
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5. What tier permit(s) do you fish?



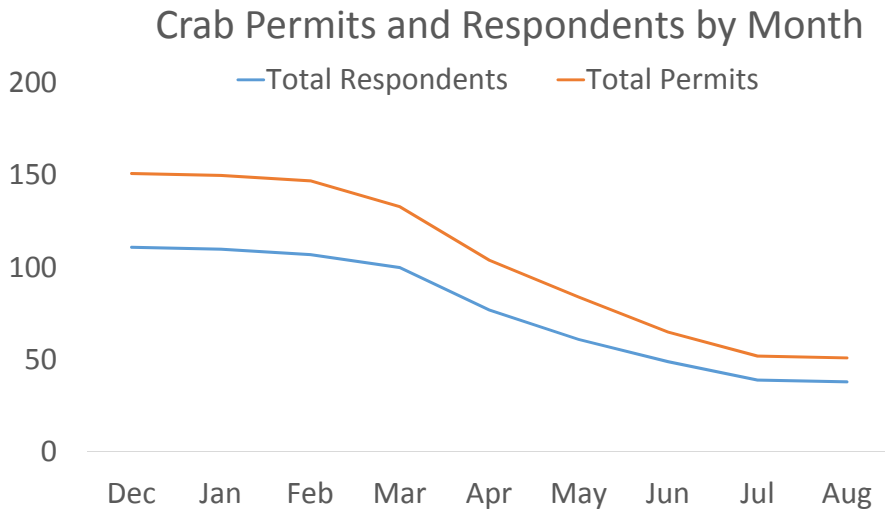
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5. What tier permit(s) do you fish?



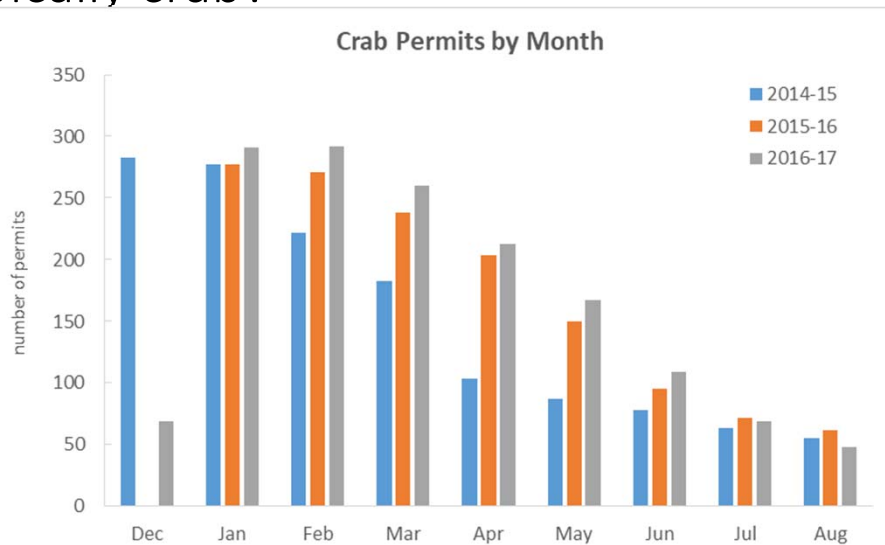
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6. In the last 5 years, what months did you typically crab?



13

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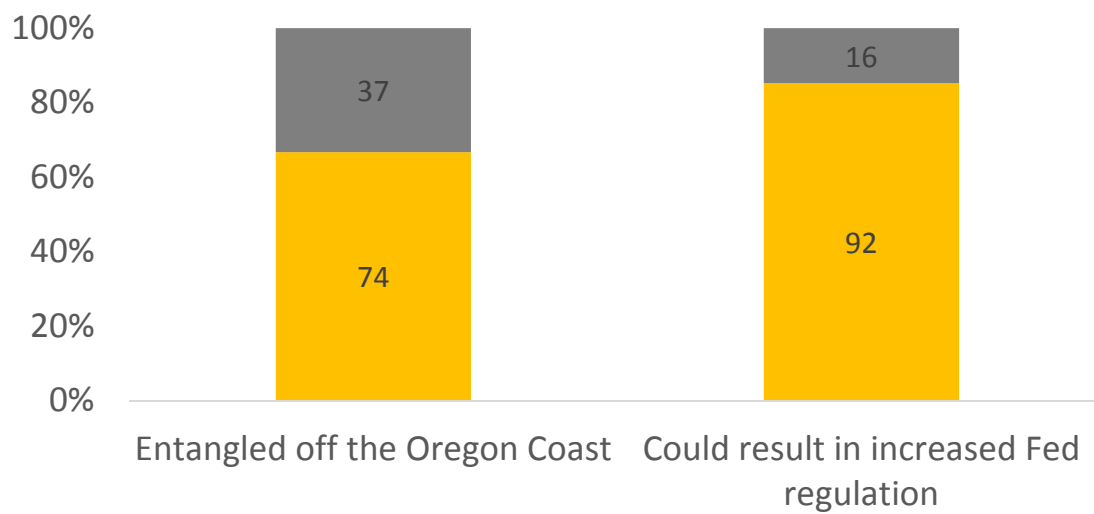
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Perceptions about Whale Entanglement



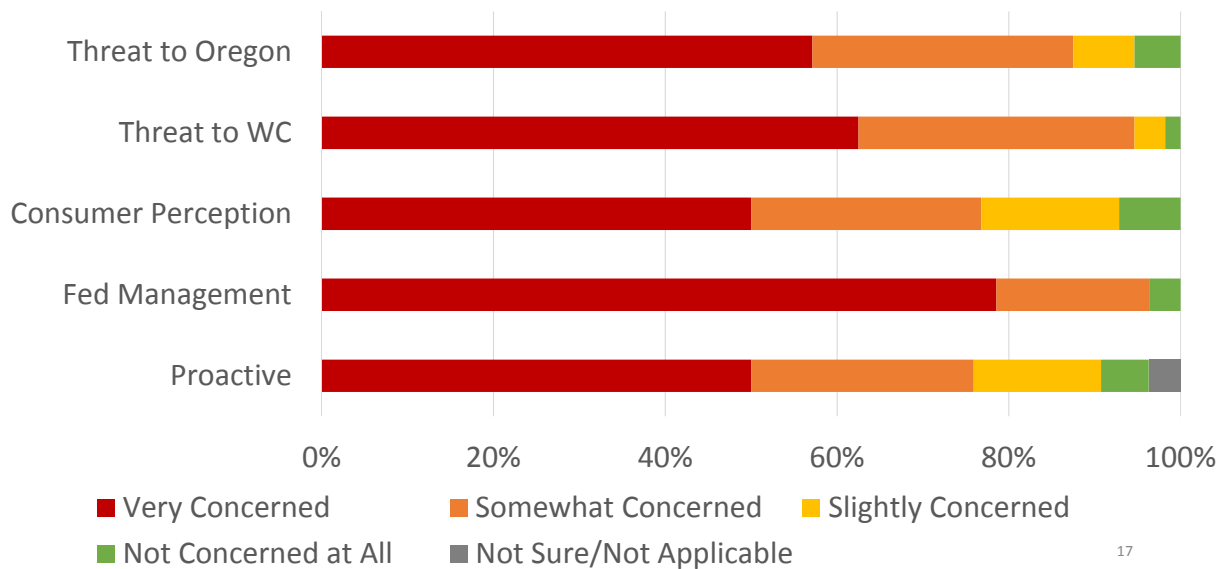
Image courtesy of <http://brainden.com/scary-optical-illusions.htm>

7,8. Before survey, did you know?



16

9. Rank your concern about the following issues:



10. What questions do you have about whale entanglement issues?

- Majority (69%) did not answer
- More info about reported entanglements
- Ways to reduce risk of entanglements
- Whale Biology
- Other stressors
- Process
- Comments:
 - Not a problem
 - Haven't personally seen any entanglements

Feedback on the Directive

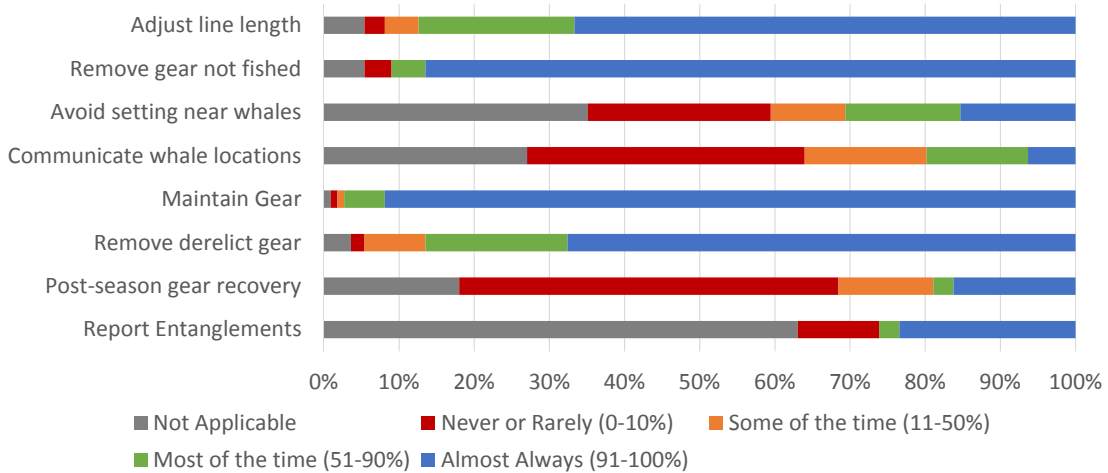
Oregon Commercial
Dungeness Crab Fishing

**2017 - 2018 Directive
to Minimize Whale
Entanglement Risk**



Recommended by the
Oregon Whale Entanglement Working Group

11. How frequently did you do the following things?



12. How or when would these practices be difficult to implement?

Concerns:

- Avoiding setting in the vicinity of whales will be difficult
 - Early season, time constraints, human safety
 - Reducing scope will lead to more lost gear
 - Needed?
 - Measures don't solve problem, and could be used to disenfranchise the industry
-
- Many thought measures sounded generally reasonable.

13. Do you have recommendations to make the Best Practices Directive better?

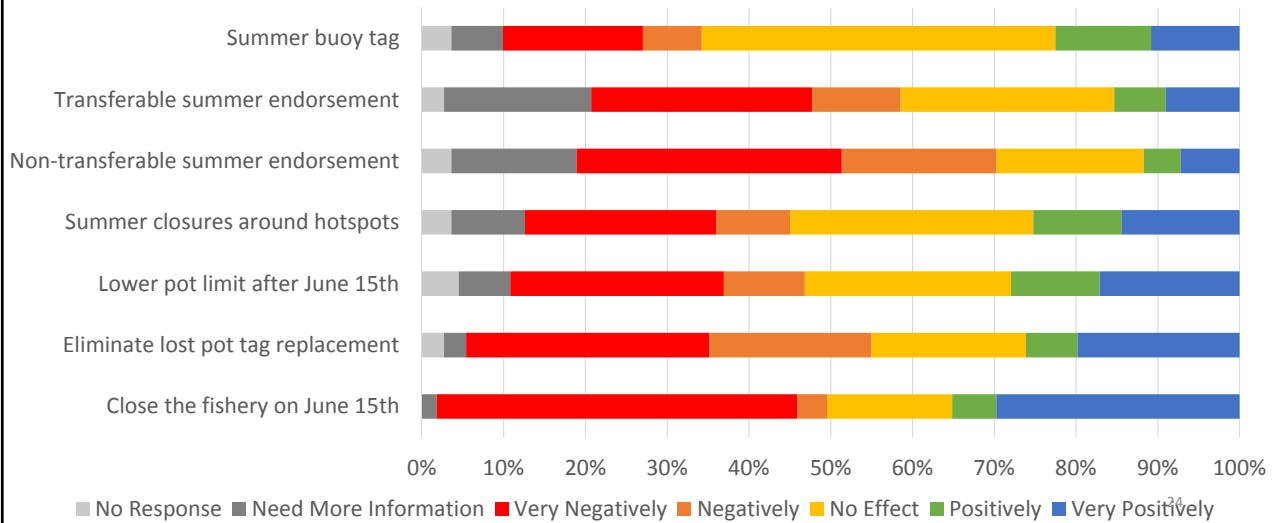
- Gear: Sinking Lines & Trailer length reductions & scope
- Area & Seasonal restrictions
- Derelict gear program improvements
- Education & Enforcement
- Seasonal recommendations
- Pot reduction
- No changes needed

Feedback on Management Recommendations

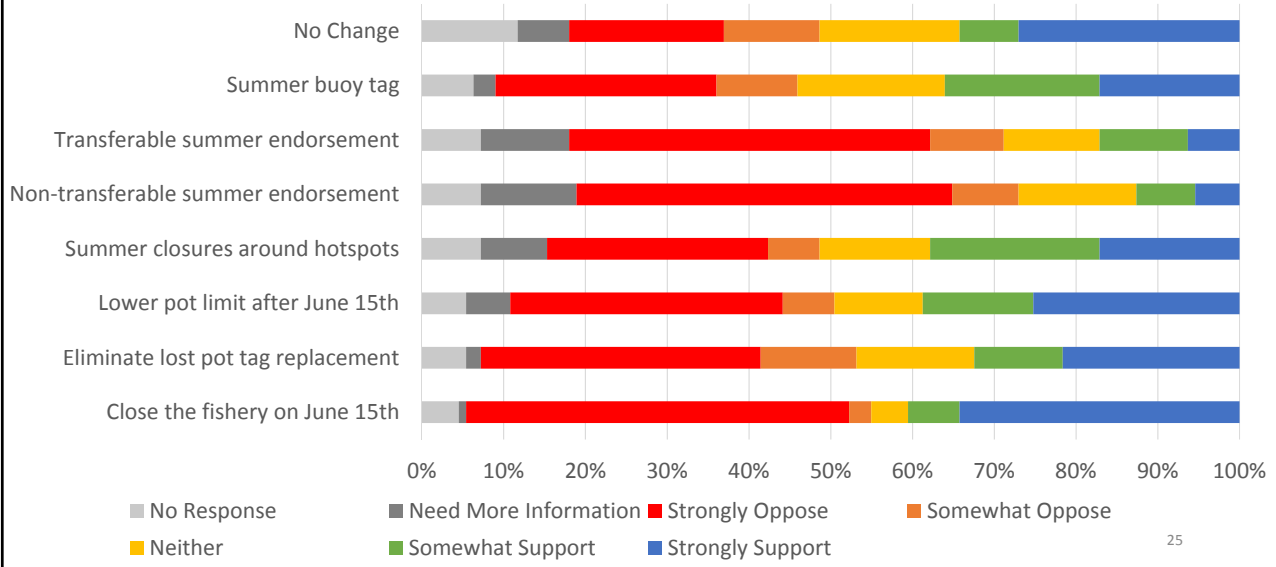


Photo courtesy of <http://mentalfloss.com/article/93244/12-scientifically-cute-facts-about-puppies>

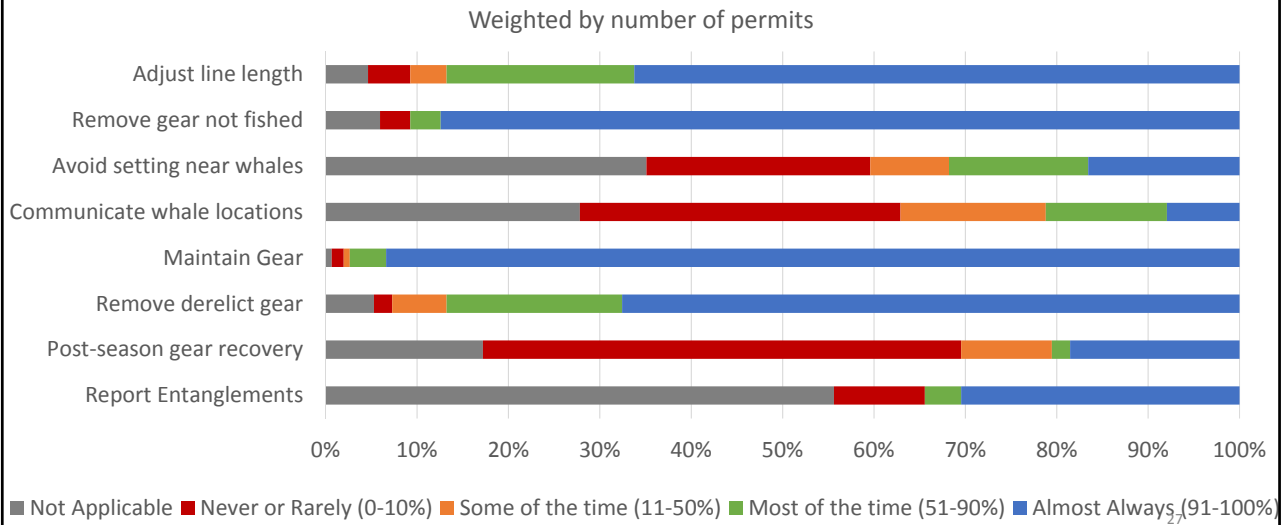
14. Management options impacts on your fishing business?



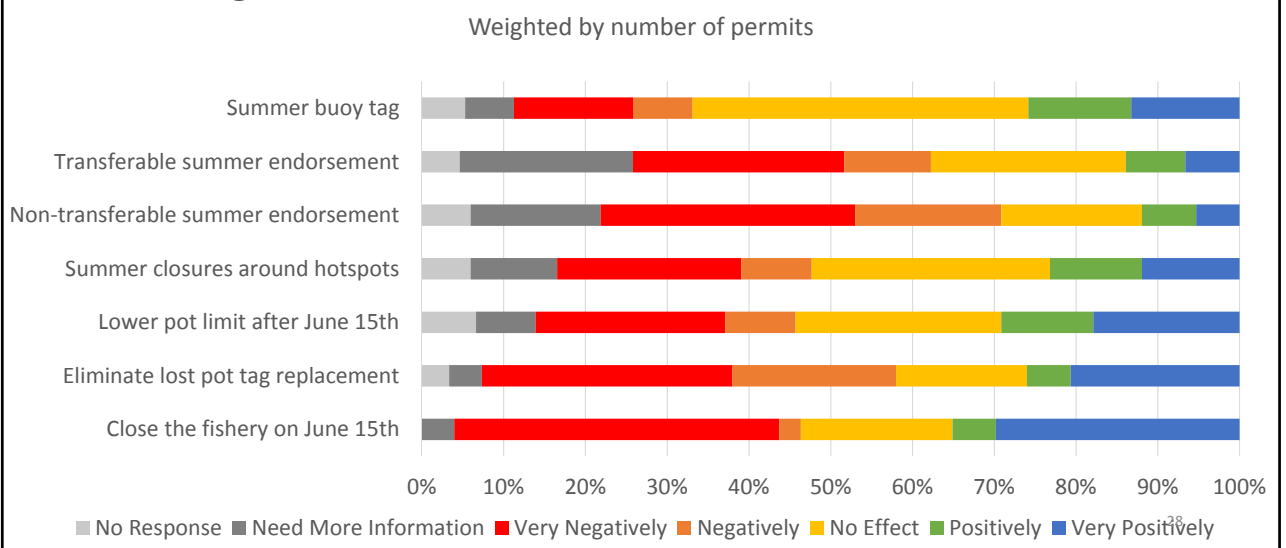
15. How much to support or oppose?



11. How frequently did you do the following things?



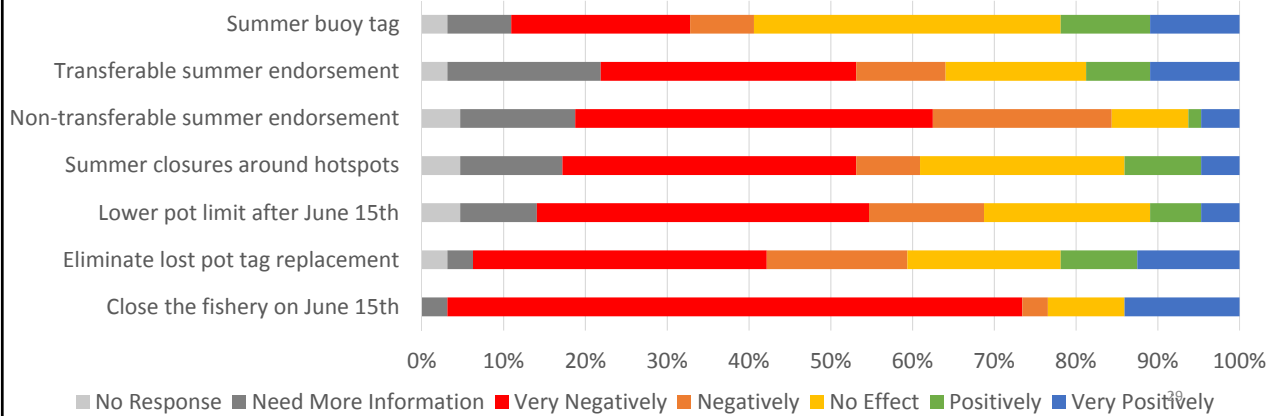
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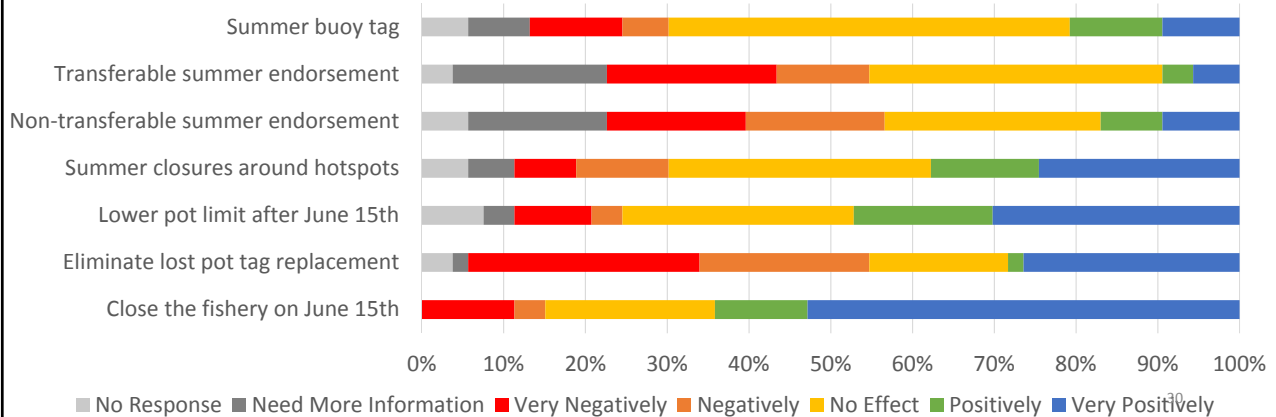
Vessel length <50'
n = 64



14. Management options impacts on your fishing business?

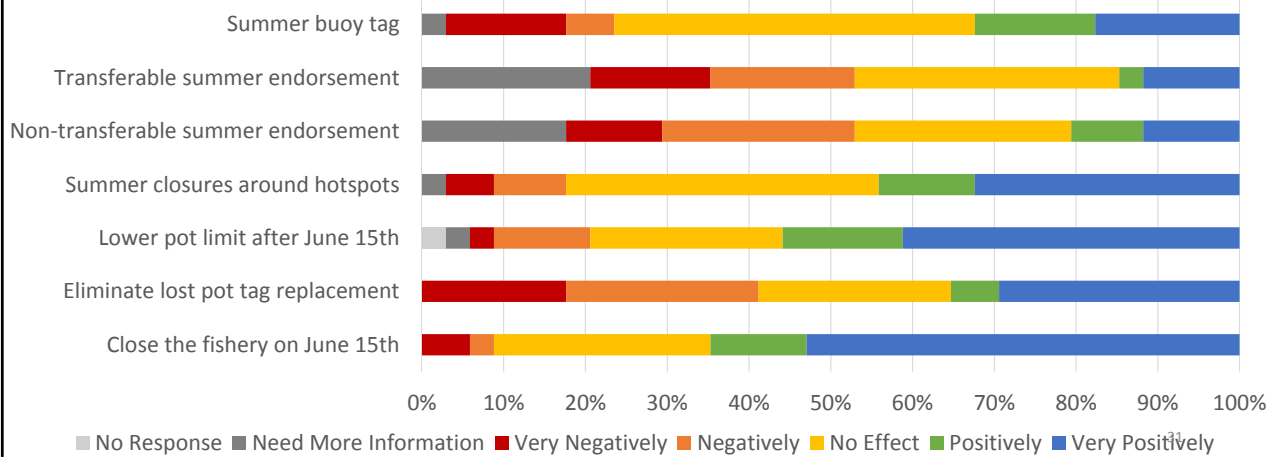


Vessel length >=50'
n = 53



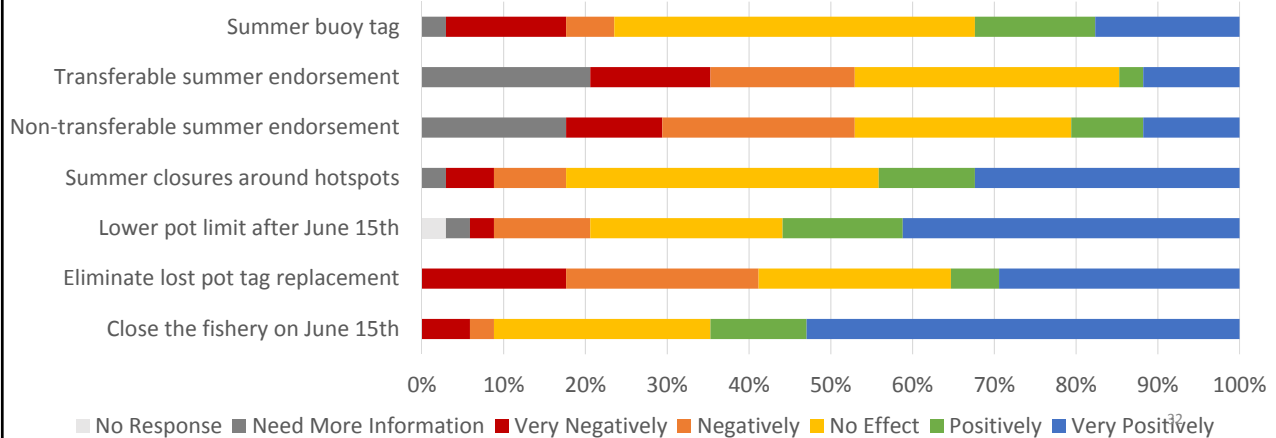
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Respondents that typically fish Dec-Mar
n = 34

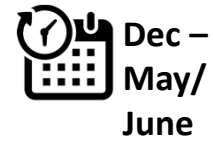


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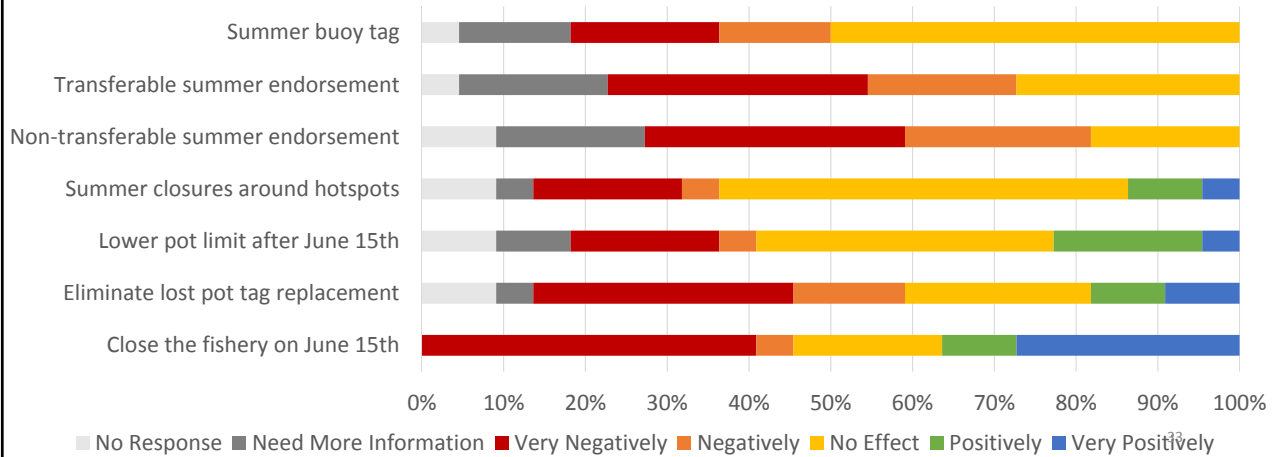
Respondents that typically fish Dec-Apr
n=16



14. Management options impacts on your fishing business?



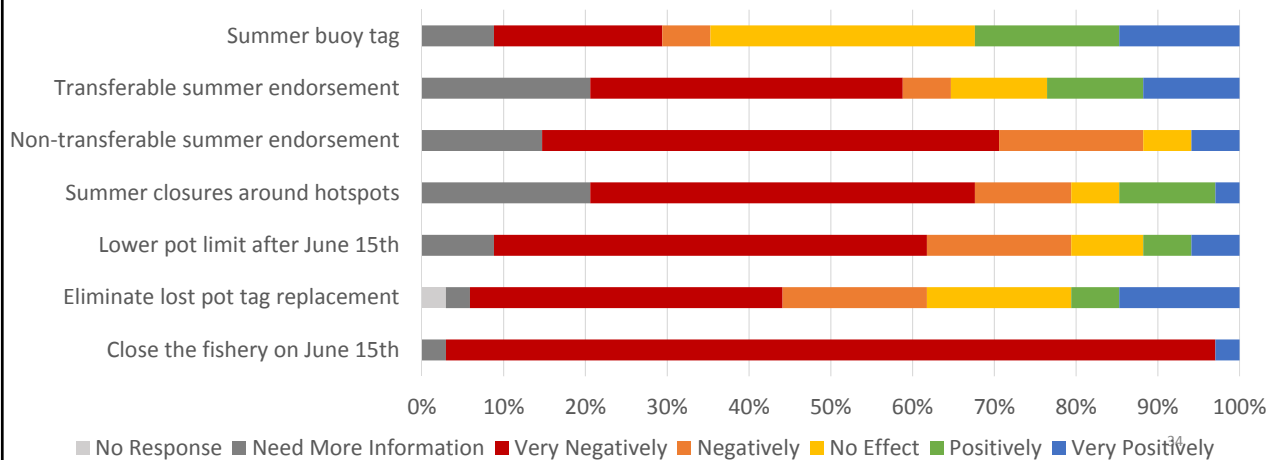
Respondents that typically fish Dec-May/June
n = 22



14. Management options impacts on your fishing business?

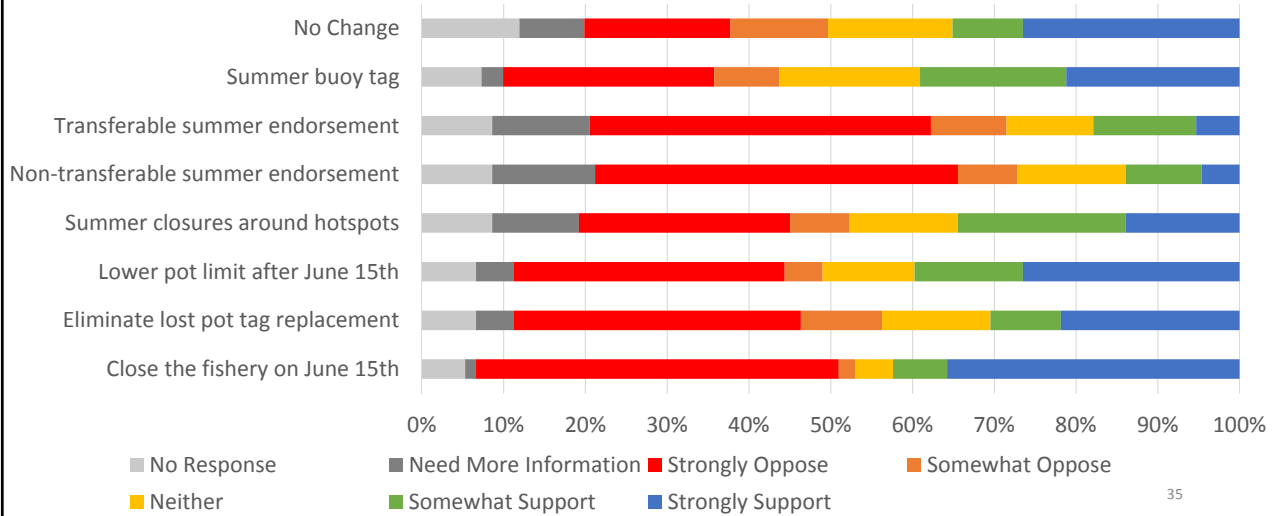


Respondents that typically fish Dec-Jul/Aug
n=39



15. How much to support or oppose?

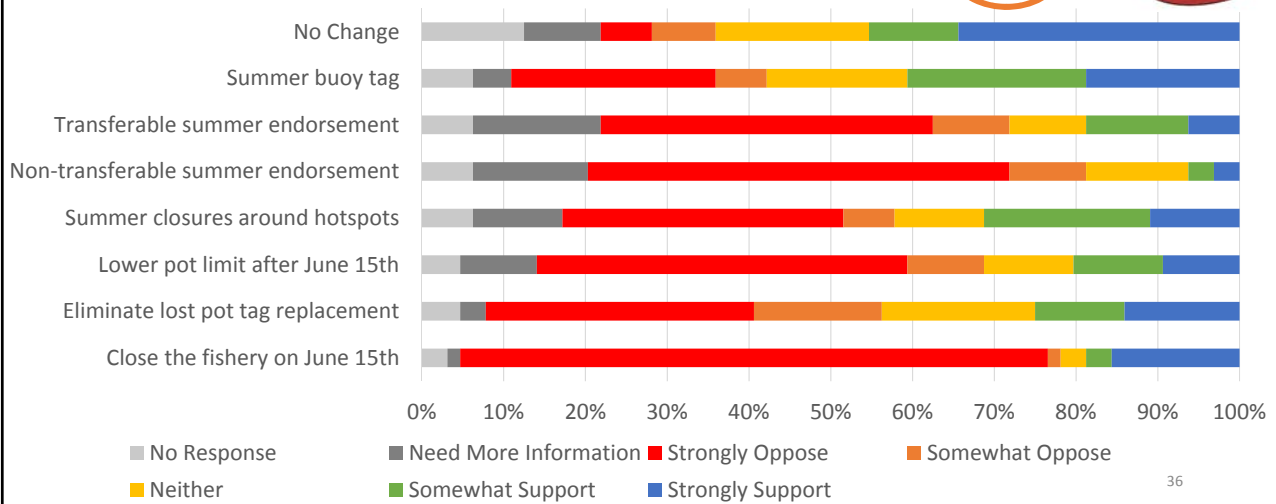
Weighted by number of permits



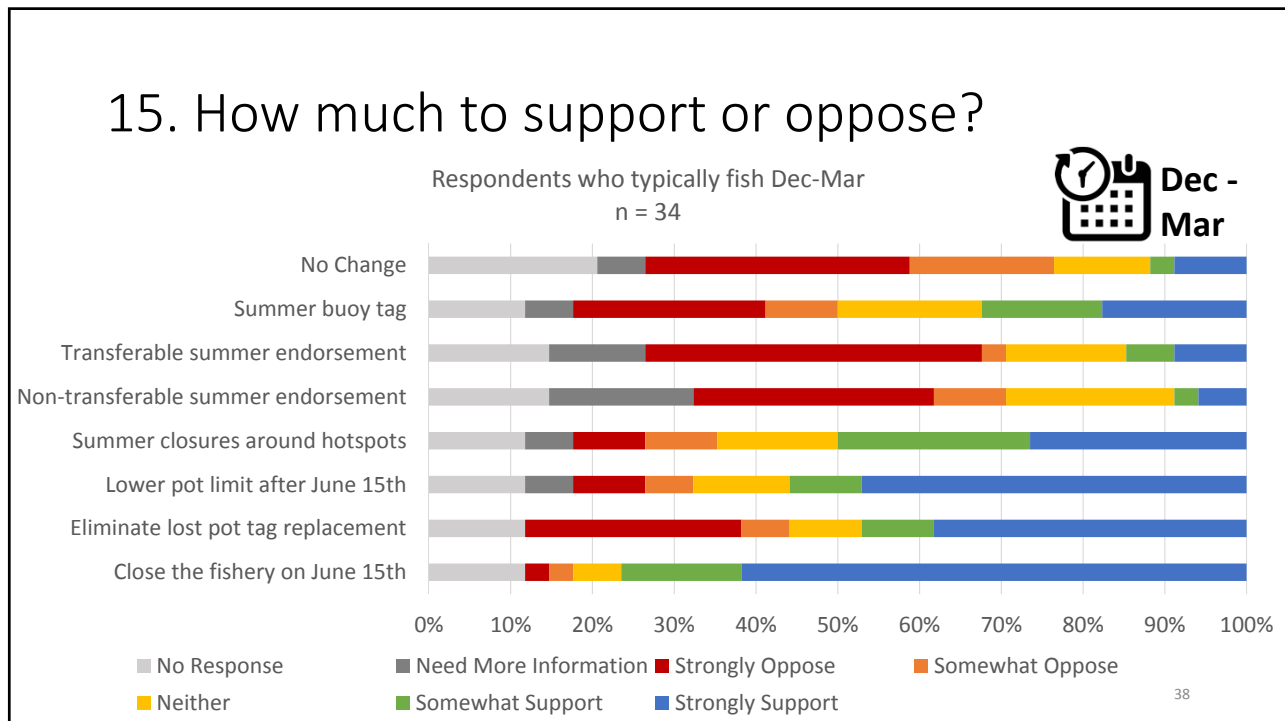
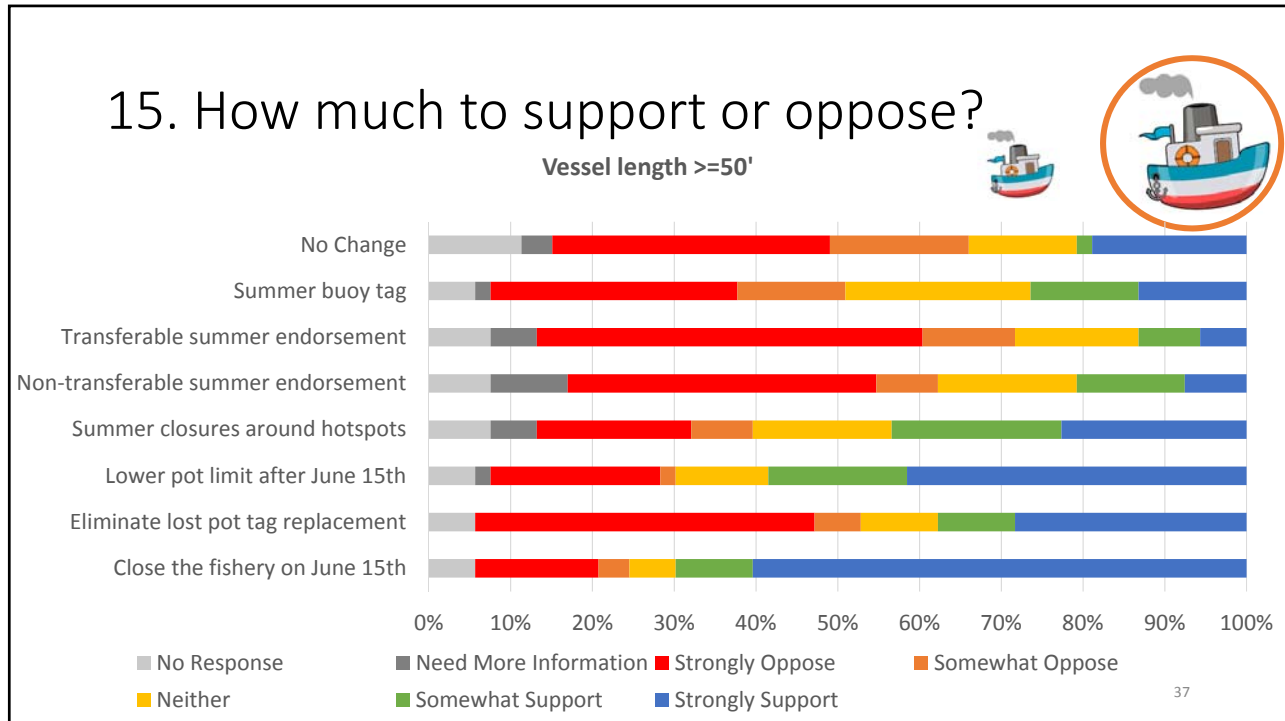
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15. How much to support or oppose?

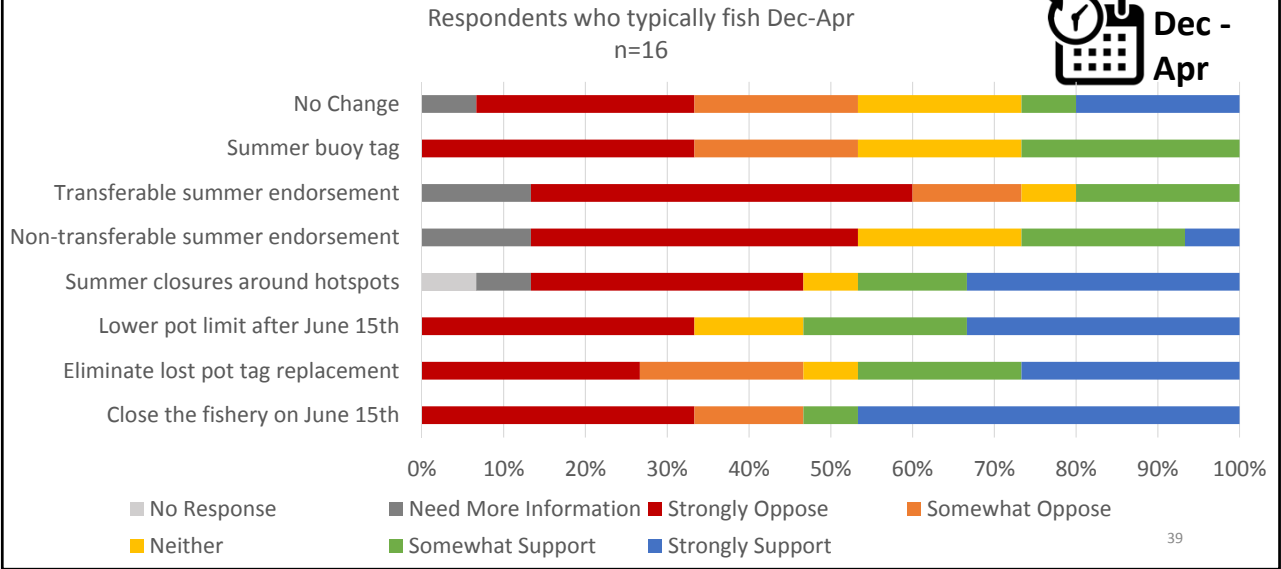
Vessel length <50'



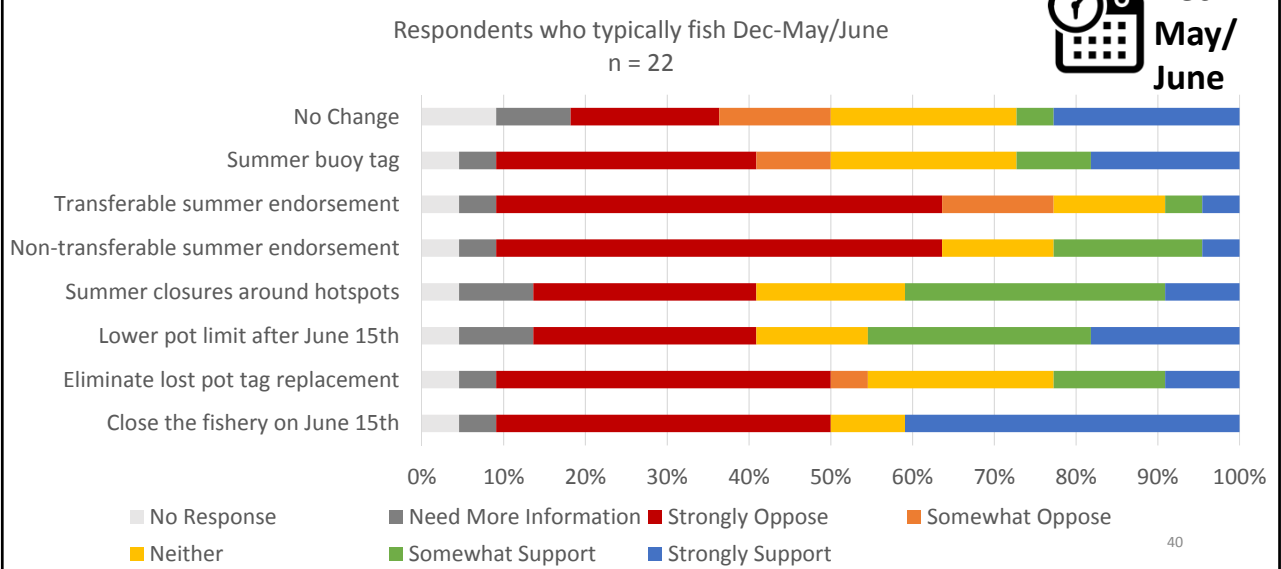
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