

Evaluation of the impact of ACSA on vessel safety

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Introduction

- Who am I?
 - A commercial fisherman
 - Cook Inlet Salmon
 - A scientist
 - National Institute for Occupational Safety & Health (NIOSH)
 - A student
 - Oregon State University

Introduction

- What am I doing?
 - Designing a research project to answer questions about the effects that ACSA has had on vessel safety
 - A NIOSH study & part of my dissertation at OSU

Objectives of this Discussion

- Share my current plan for evaluating ACSA
- Hear feedback from the group on my plan
 - Strengths & weaknesses / pros & cons
- Together find ways to make the study stronger and more meaningful

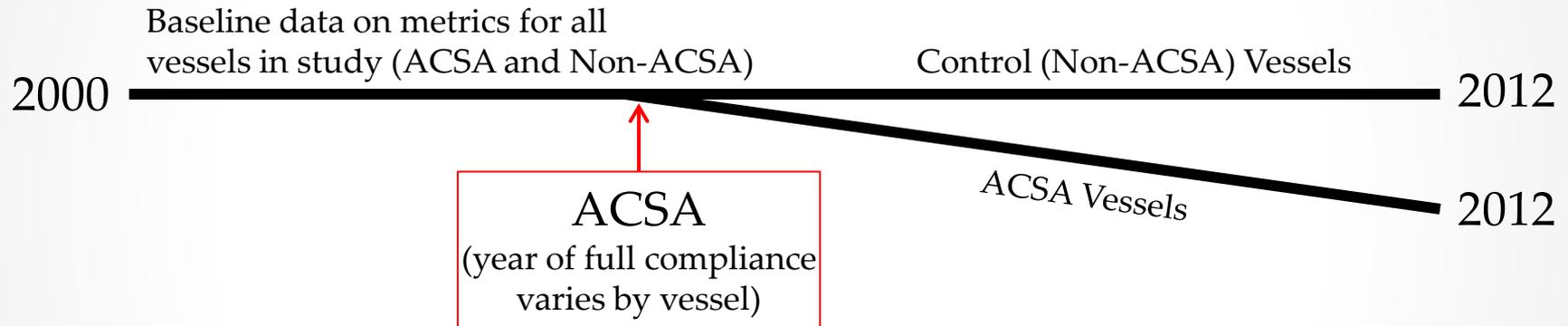
Plan for Evaluating ACSA

- Metrics (Outcomes)
 - Primary: Vessel system failures at sea (loss of steering, propulsion, power, stability, watertight integrity)
 - Secondary: Injuries and fatalities to workers on vessels
- Timeframe of data on metrics
 - Each year during 2000-2012
- Data Sources
 - USCG; NIOSH; NMFS

Plan for Evaluating ACSA

- Analysis
 - Look at the data on vessel breakdowns at sea, injuries and fatalities each year during the study time period
 - Compare rates of these metrics before and after ACSA
 - Have there been decreases in any of these metrics after ACSA?
 - Compare the metrics on ACSA vessels to similar sized non-ACSA vessels operating in same areas during 2000-2012
 - Are changes in the metrics due to ACSA, or some larger outside influence?

Measuring changes over time



Feedback from Group

- Are the metrics appropriate?
 - Vessel breakdowns at sea
 - Crewmember injuries and fatalities
- What others metrics should be considered?
- Which non-ACSA fleets would be reasonable as a comparison group?
- Are there any problems with the study that need to be addressed?
- How can the study be improved?
- What should be changed?

Thank You!

Contact me with more ideas:

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