# **Oregon Crab Fishing Safety Evaluation**



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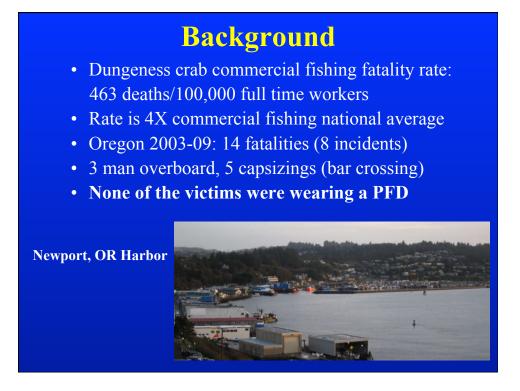
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## **Study Objectives**

- 1. Identify experiences and views regarding critical safety issues:
  - Falling overboard & capsizing experience/concerns
  - PFD use
  - Vessel stability reports
  - USCG dockside safety inspections
  - Safety training and readiness
- 2. Evaluate selected PFDs for use in Dungeness crab fishery



### **Study Approach**

- **1. Dockside survey** 
  - Newport, OR
  - Prior to season start
  - ~15 minutes to complete
- - Additional questions for ship captain
  - Recruit crewmembers for PFD assessment

#### 2. PFD Assessment

- 50 PFDs (5 types x 10) randomly distributed
- Complete survey after 1 & 30 days of PFD use
- Survey: PFD use, comfort, affect on work

Similar study design and approach as work conducted by Jennifer Lincoln in Alaska



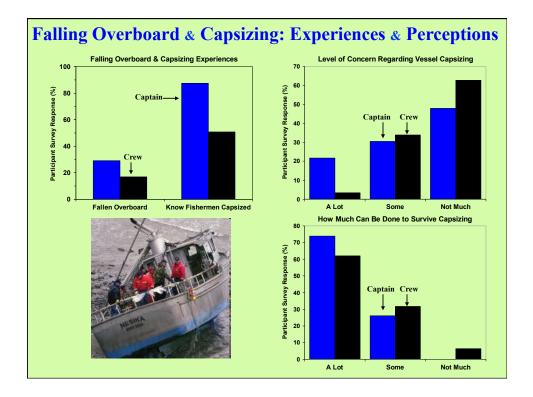


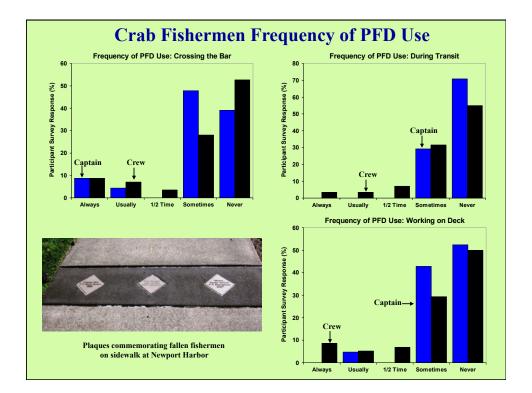
|                    | <u>Captain (n = 24)</u> |      |       | <u>Crew (n = 59)</u> |      |       |
|--------------------|-------------------------|------|-------|----------------------|------|-------|
|                    | Mean                    | SD   | Range | Mean                 | SD   | Range |
| Age                | 48.3                    | 13.9 | 19-66 | 33.1                 | 10.9 | 19-61 |
| Years crab fishing | 24.2                    | 12.2 | 2-42  | 7.2                  | 6.5  | 0-28  |
| Residence (%)      |                         |      |       |                      |      |       |
| - Oregon           | 86.2                    |      |       | 87.0                 |      |       |
| - Alaska           | 4.4                     |      |       | 6.2                  |      |       |

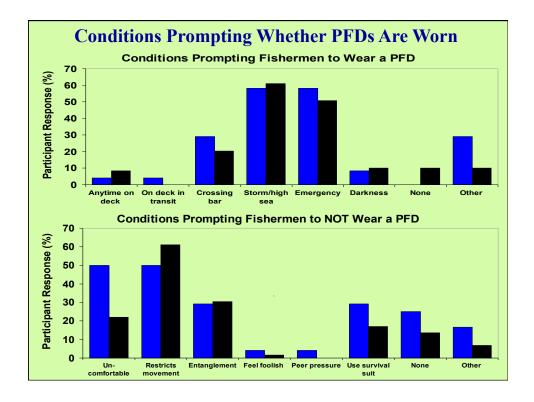


## Newport, OR Crab Fishery

|                                | Mean (range)   |
|--------------------------------|----------------|
| Vessel length (feet)           | 33.9 (36 - 85) |
| Crewmembers                    | 3.5 (2 – 5)    |
| Crab pots carried              | 200 (30 - 500) |
| Homeport: Newport, OR          | 82.6%          |
| Months/year crab fishing       | 4.8 (1-12)     |
| <b>Fimes/week crab fishing</b> |                |
| - First 2 months of season     | 3.3 (1-7)      |
| - After first 2 months         | 2.3 (1-7)      |
| Fishing trip duration (days)   | 3.2 (1-11)     |







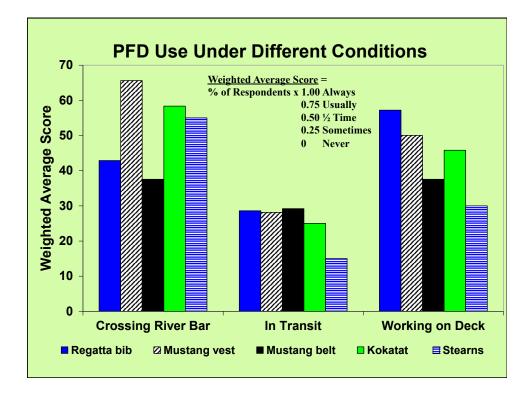
### **Crab Fishermen PFD Assessment**

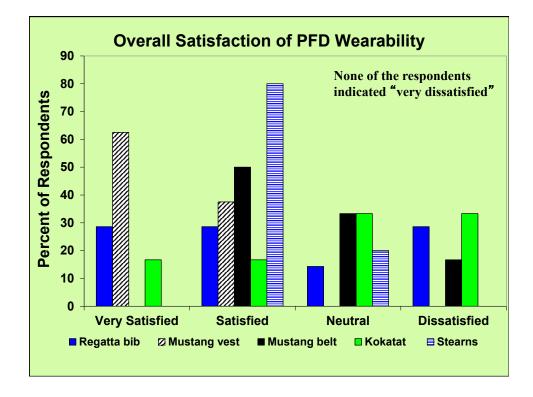
- 50 PFDs distributed
- Received 5 surveys after one day of PFD use
- Received 16 surveys through US Mail
- Additional 17 surveys completed by phone
- Also emailed and mailed surveys to participants
- Total of 33 surveys completed (66%)

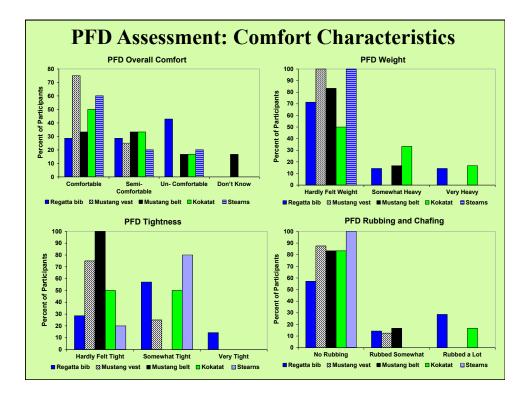
Newport, OR Bar

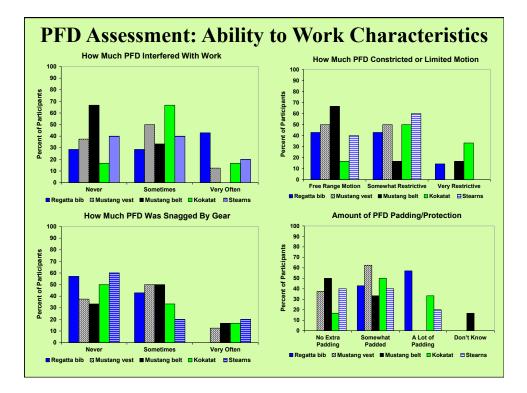












### **Summary & Conclusions**

- OR crab fishermen aware of hazard
- Hazard concern and PFD use vary considerably
- PFD use corresponds with relative hazard
- PFDs not used because of:

comfort, entanglement, constricted movement

• "New" PFD designs may encourage increased use

For, though from out our bourne of time and place The flood may bear me far, I hope <u>NOT</u> to see my Pilot face to face <u>FOR I HAVE WORN A PFD</u>, when I crossed the bar.

Crossing the Bar, Alfred Lord Tennyson (Emphasis on modifications)