



**NIOSH Update**

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**Occupational Safety and Health**

- Department of Labor
  - Occupational Safety and Health Administration
  - OSHA
  - Regulation/Enforcement
- Department of Health and Human Services
  - Centers for Disease Control and Prevention
  - CDC
  - National Institute for Occupational Safety and Health
  - NIOSH
  - Research, Training, and Prevention Recommendations

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**NIOSH Commercial Fishing Safety Research and Design Program**

- Provide scientific assessment
- Identify workers at risk & high priority problems
- Support the development of interventions
  - Engineering solutions, protective equipment, policies
- Evaluate interventions

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### National Program

- Commercial Fishing Incident Database (CFID)
  - National surveillance system for workplace fatalities
- Identifies specific hazards in each region of the country
  - Supports regional intervention studies




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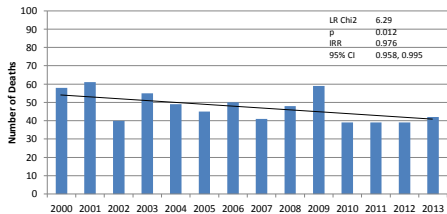
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### 14-Year Trend

Work-Related Fatalities in the US Fishing Industry, 2000-2013 (n=665)



- Average 47.5 deaths per year
- 24% decrease in the annual number of deaths




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### New Video!!

*...and it was almost as if instantly I didn't even have a boat.*

**Paul Revere:**  
A Story of Survival  
in Bristol Bay

Now available from the NIOSH website:  
<http://www.cdc.gov/niosh/docs/video/2014-115/>



NIOSH Website: <http://www.cdc.gov/niosh/docs/video/2014-115>  
YouTube - <https://www.youtube.com/watch?v=XuF6liqTnM>




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### “Rogue” Tactical Deck Vest

With fisherman narratives from NIOSH study, Kent:

- Worked with Trident Seafoods
- Tested with fisherman
- Designed Vest based on:
  - Appeal to broader base of northern fishermen
  - Less restrictive, continuous wear
  - Ability to wear under outerwear
- Included 12 lb. floatation for buoyancy with low profile



“Rogue” Tactical Deck Vest




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### New Project: Alaska/ West Coast

Lazarette Monitor

- Move from concept to prototype
- Target test boat \*F/V Majesty
- Initial boat tour completed FY14
  - » Initial wire-run measurements taken



\*Trident Seafoods




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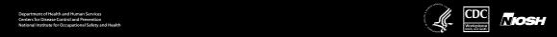
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### New Project: Hazard Assessment, BSAI Crab Fleet

Data from 2002-2013

- Personnel Casualties
  - On-board injuries
  - Falls overboard
- and
- Vessel Casualties
  - groundings
  - collisions
  - loss of propulsion




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### NIOSH PFD Study

- Alaska PFD Study: Oct. 2008 – June 2009
- 400 fishermen from 4 gear types surveyed
- 216 PFD evaluations of 6 different designs
- Identified fishery specific preferences in PFD style
- Identified fishery specific barriers to PFD use



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**PFDs That Work** **TRAWLERS**

**PFDs That Work** **GILLNETTERS**

**PFDs That Work** **LONGLINERS**

**PFDs That Work** **CRABBERS**

**PFD Use Among Trawlers:** 70% of trawlers use a PFD. The most common PFD used is the Type I PFD. The most common reason for not using a PFD is that it is too bulky. Other reasons include: it is too hot, it is too heavy, it is too expensive, and it is too difficult to use.

**PFD Use Among Gillnetters:** 60% of gillnetters use a PFD. The most common PFD used is the Type II PFD. The most common reason for not using a PFD is that it is too bulky. Other reasons include: it is too hot, it is too heavy, it is too expensive, and it is too difficult to use.

**PFD Use Among Longliners:** 50% of longliners use a PFD. The most common PFD used is the Type III PFD. The most common reason for not using a PFD is that it is too bulky. Other reasons include: it is too hot, it is too heavy, it is too expensive, and it is too difficult to use.

**PFD Use Among Crabbers:** 40% of crabbers use a PFD. The most common PFD used is the Type IV PFD. The most common reason for not using a PFD is that it is too bulky. Other reasons include: it is too hot, it is too heavy, it is too expensive, and it is too difficult to use.

*"I feel that the [Mustang responder PFD] is something that would be received well by the deckhands of the fleet."*



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## “Meet Angus Iversen”

- Multimedia health communication campaign
- Incorporates web, print, broadcast, and social media to promote the use of PFDs
- Speaks directly and humorously about the issue of MOB prevention and PFDs
- Memorable, quotable and different




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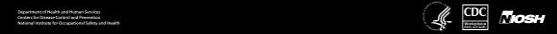
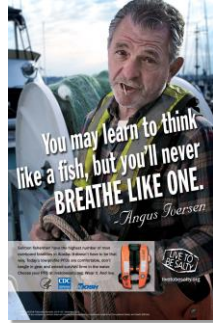
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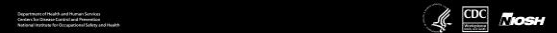
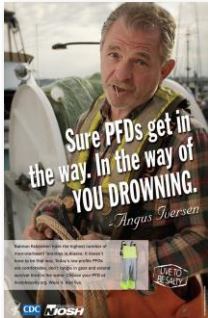
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'Live to be Salty' Webpage:

[www.livetobesalty.org](http://www.livetobesalty.org)



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NIOSH 'Live to be Salty' Products:

[www.cdc.gov/niosh/livetobesalty.html/](http://www.cdc.gov/niosh/livetobesalty.html/)

Links for print materials

- Posters
- Bumper Stickers
- Point of Sale
- Coasters



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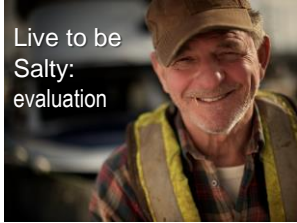
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### Research Questions

1. Has PFD use increased since the 2008-2009 evaluation?
2. Do fishermen recognize Angus, the *Live to be Salty* campaign brand, purpose and messages?
3. Did the campaign improve PFD use?




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### Locations

- King Salmon/Naknek
  - Salmon gillnet fishermen
  - Season – May/June to July
- Dutch Harbor
  - Crab fishermen
  - Season – October to February




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### Summary– NIOSH B Report

- Research organization– not regulatory
- New Products
  - Survival Story
  - Rouge Vest
- New Projects
  - Lazerette Monitor
  - Hazard Assessment
- Live to be Salty Messages
  - Promotion opportunities
  - Evaluation

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### Questions?



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[www.cdc.gov/niosh/topics/fishing](http://www.cdc.gov/niosh/topics/fishing)

 @NIOSHFishing

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