

Monitoring bycatch/discards in the Pacific halibut (*Hippoglossus stenolepis*) fishery Southeast Alaska

Elizabeth Figus*, Dr. Keith Criddle**

*University of Alaska Fairbanks, 17101 Point Lena Loop Road, Juneau, AK 99801, ecfigus@alaska.edu, www.facebook.com/halibutresearch

**University of Alaska Fairbanks, 17101 Point Lena Loop Road, Juneau, AK 99801, kcriddle@alaska.edu

PROJECT GOAL:

DETERMINE IMPACTS OF THREE ALTERNATIVES FOR MONITORING BYCATCH IN THE PACIFIC HALIBUT (*Hippoglossus stenolepis*) FLEET IN SOUTHEAST ALASKA.

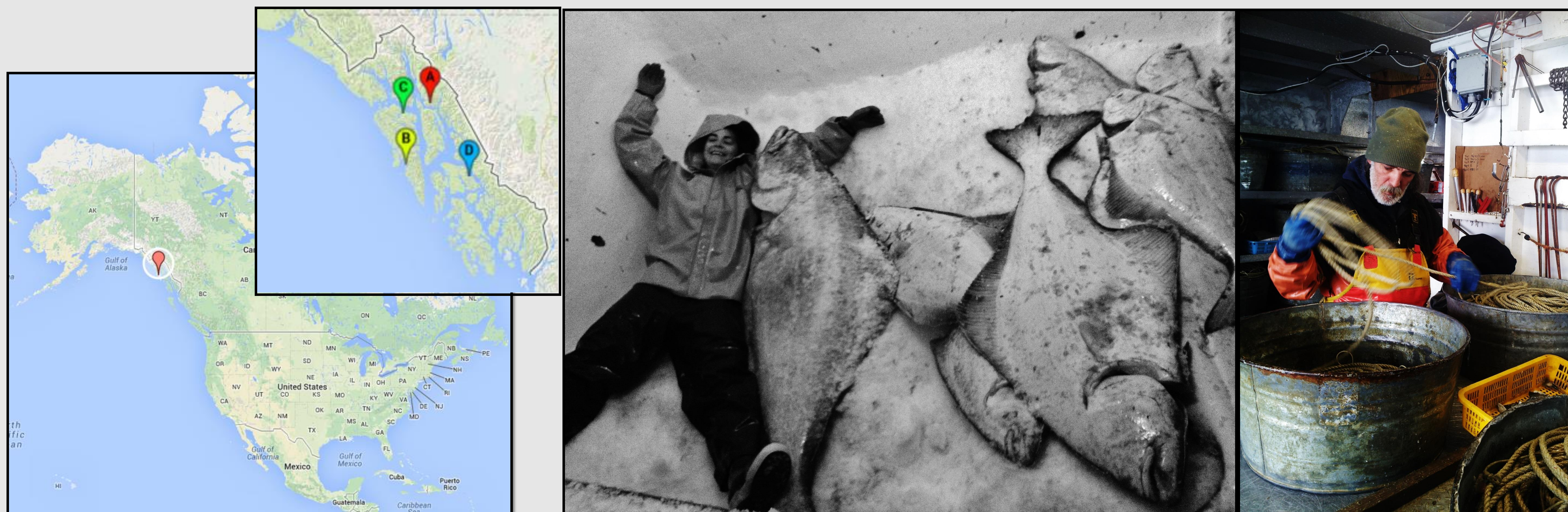


Photo sources left to right: Google.com, Retrieved 1 May 2014; Google.com, Retrieved 1 May 2014; MacKenzie Peterson, 2013; Greg Riepma, 2013.

Project Objectives

- Document fishermen-observed trends in bycatch, ability to ID non-target species, & perceptions of monitoring systems;
- Assess comparisons of fishermen observations with landings reports and fisheries-independent data (AKFIN & IPHC);
- Draw conclusions about impacts of monitoring alternatives on profitability and biological sustainability.

Part 1

Interviews with fishermen

- Juneau (A), Sitka (B), Hoonah (C), Petersburg (D)
- Transcription
- Atlas.ti
- Coding
- Cultural Consensus Analysis

Part 2

Statistical analyses

- IPHC
- AKFIN
- Regression Analyses
- Spearman's Rank Correlation Coeff.
- ANOVA

Part 3

Making Comparisons

- Findings from Part 1
- Findings from Part 2
- Regression Analyses

Part 4

Drawing conclusions

- Multiple Criteria Decision Analysis
- Evaluating impacts of three alternative bycatch monitoring systems on bycatch and on the fishing fleet.
- Management workshop with fishermen in study communities.

Photographs were taken by Elizabeth Figus and Greg Riepma, 2013.

