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, efigus@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.

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.