

Subsistence Harvests of Pacific Halibut in Alaska, 2016



**Division of Subsistence
Alaska Department of Fish and Game**

**Presentation to the
North Pacific Fishery Management Council**

**Anchorage, AK
December 2017**

**Project funded through a grant from the
National Marine Fisheries Service:
No. NA16NMF4370166**

For the full study findings, see:

Fall, James A. and David Koster. 2018. Subsistence Harvests of Pacific Halibut in Alaska, 2016. Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 436. Anchorage.

Project Background

- New subsistence regulations in effect May 2003
- 118 communities and 123 tribes eligible, plus residents of designated rural areas
- Registration requirement (SHARC)
- Regulations have provision for collecting harvest data
- This report covers the 12th year of the harvest assessment program (harvests in 2016)
- Due to funding constraints, the project did not document 2013 or 2015 harvests and will not document 2017 harvests
- If funding available, could continue for 2018

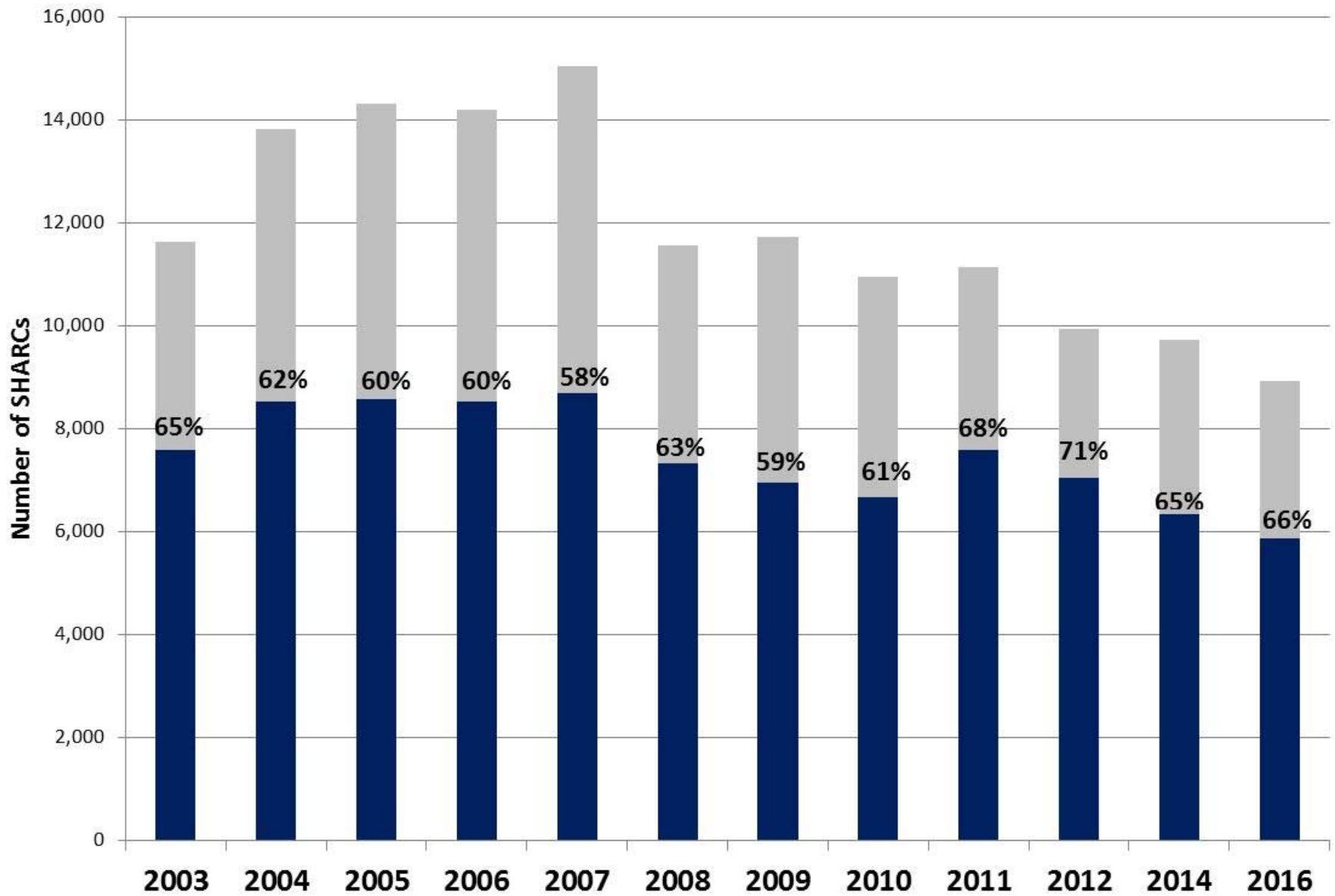
Methods

- Mailed survey is primary data collection method; response voluntary
- Mailed to all persons holding SHARCs during 2016: 8,779
- Three rounds of mailings
- Supplemented by contacts & interviews in 5 communities in southeast and western AK
- Harvests of some non-SHARC holders (146) included in estimates
- Total target group = 8,925 potential fishers

Sample Achievement for 2016

- **5,862 surveys returned**, of 8,925 potential fishers
- **Sampling fraction of 66%**
- **High rates of return** achieved in most larger communities with the most SHARCs issued

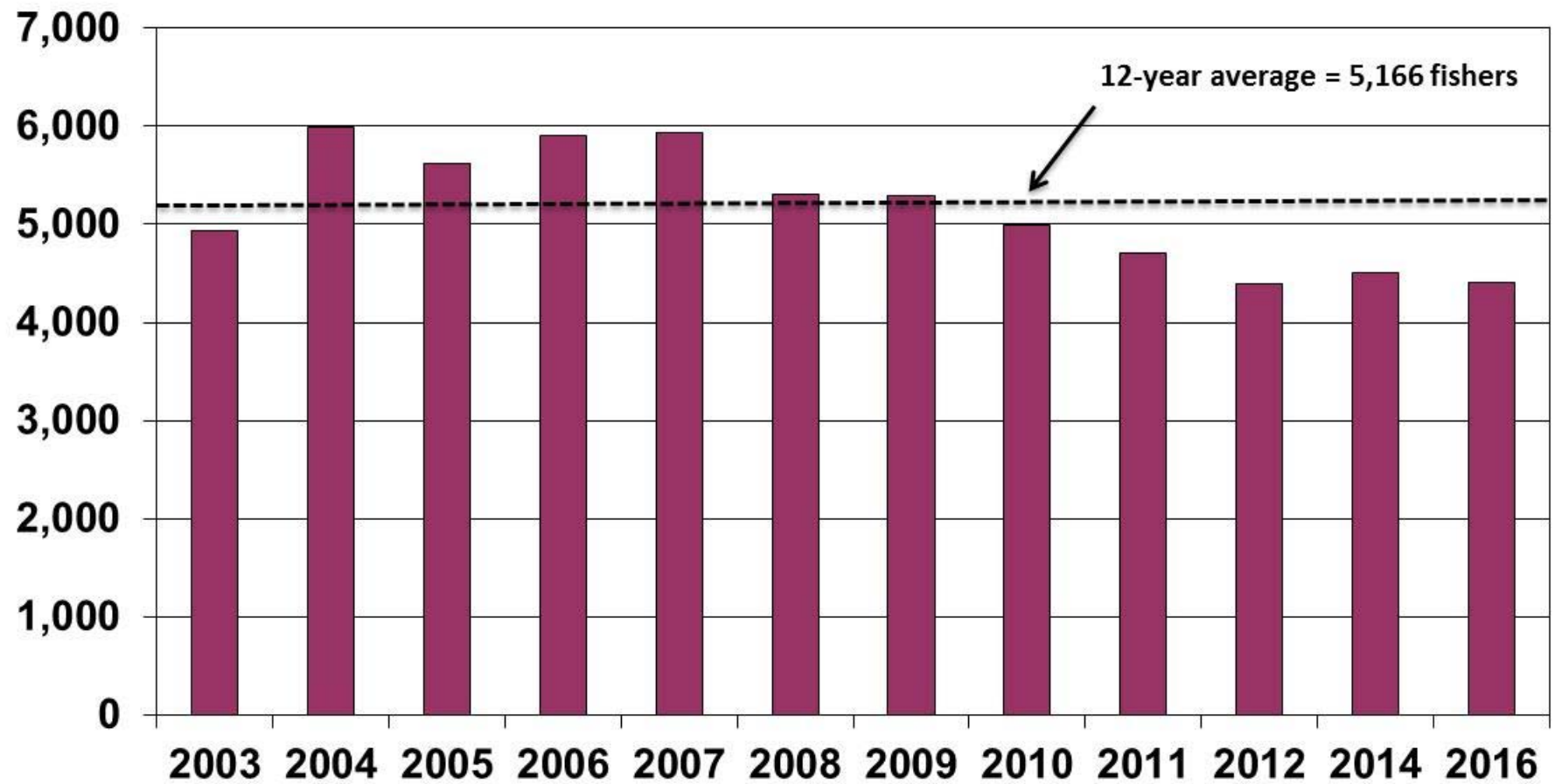
SHARC Survey Achievement, 2003-2012, 2014 & 2016



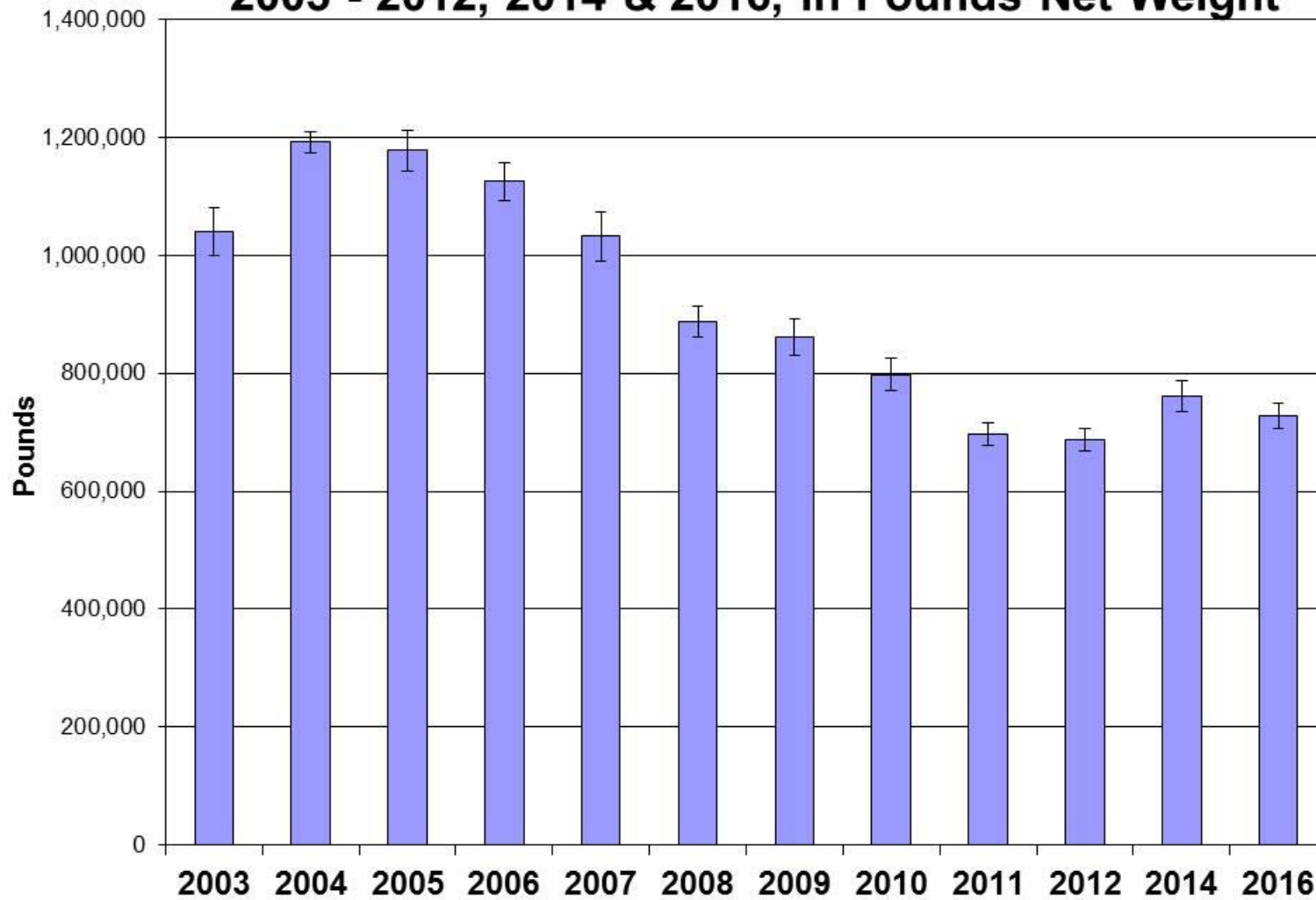
Study Findings: Halibut 2016

- Estimated number of **subsistence fishers = 4,408**
- Estimated subsistence harvest = **36,815 halibut**
- Estimated subsistence harvest = **727,178 lbs** net weight (= 75% of round weight) (19.8 lbs/fish)
- **60% of harvest occurred in Area 2C** (SE Alaska), 31% in Area 3A (SC Alaska), & 6% in Area 4E (East Bering Sea Coast)
- 75% of harvest taken with setline gear; 25% with hand-operated gear

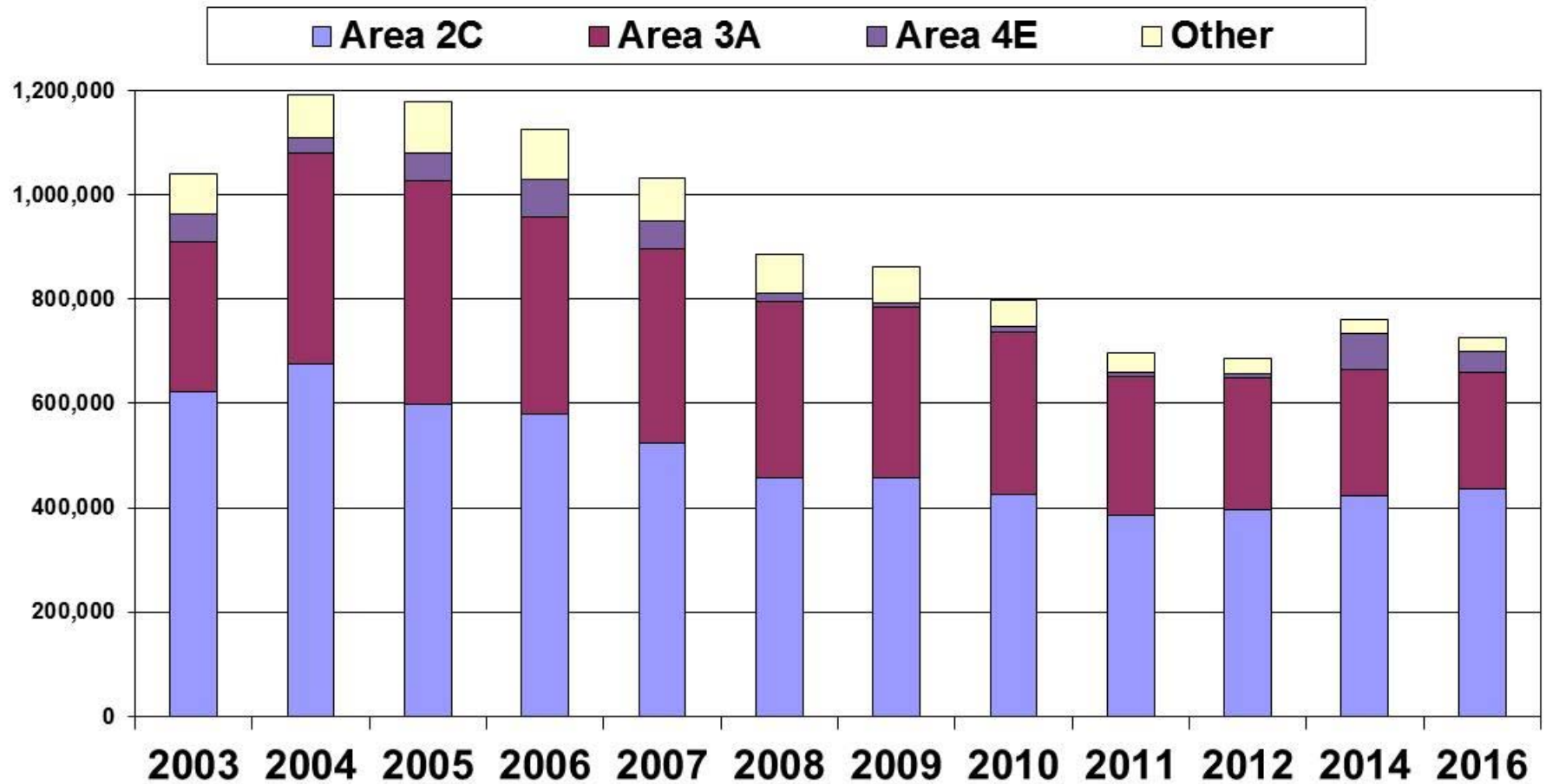
Estimated Number of Individuals Subsistence Fishing for Halibut in Alaska, 2003-2012 , 2014 & 2016



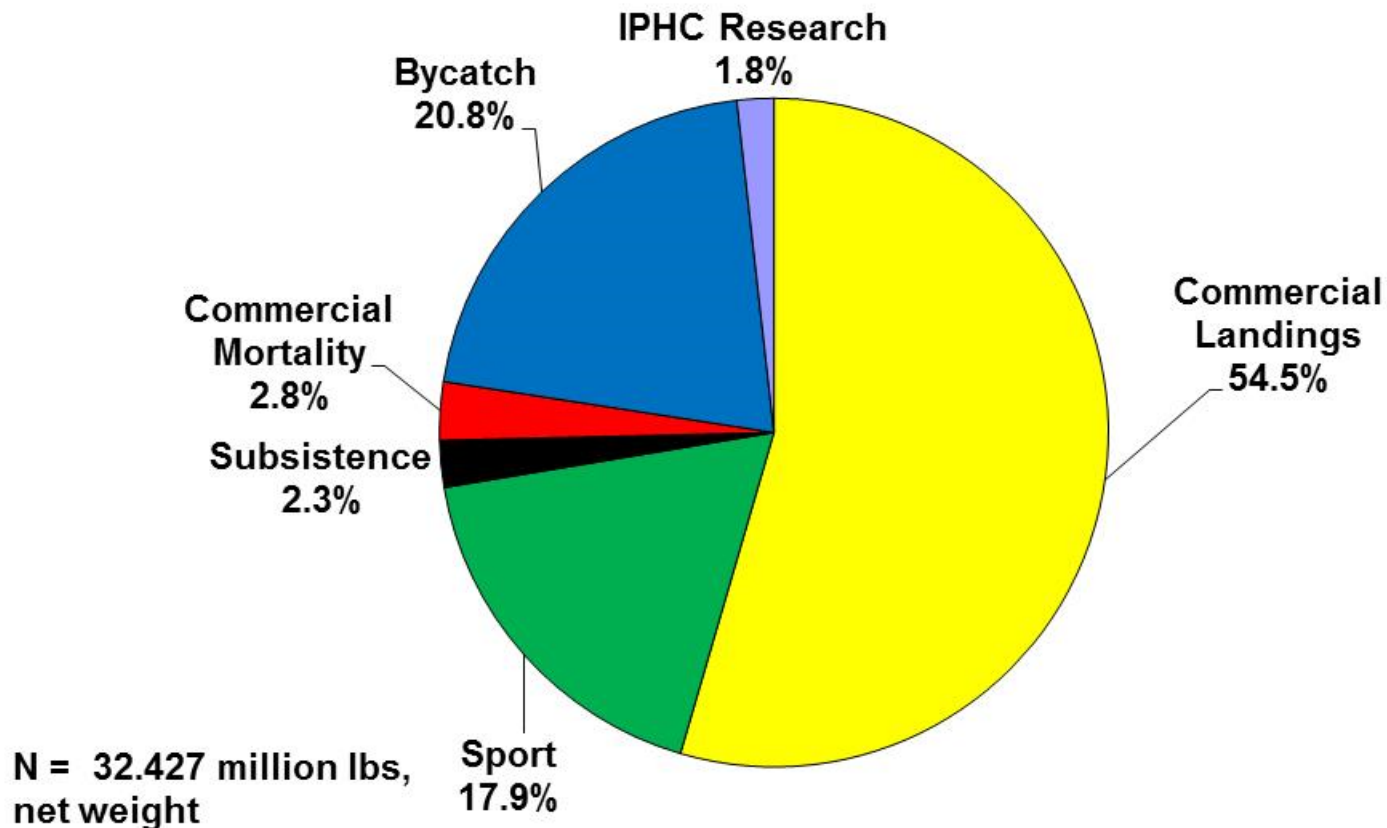
Estimated Subsistence Harvests of Halibut in Alaska, 2003 - 2012, 2014 & 2016, in Pounds Net Weight



Estimated Subsistence Harvests of Halibut in Alaska, 2003 - 2012, 2014 & 2016 (lbs net weight), by Area



Halibut Removals, Alaska, 2016



- Subsistence harvests by area ranged from 6.4% in Area 2C to 0.4% in Area 3B

Conclusions: Harvest Survey, 2016

- Overall, 2016 harvest survey was a success: good response rates and overall reliable harvest estimates
- Can discern some general patterns in the fishery since the new regulations came into effect
- Reasons for trends in harvests (state, area, community) are complex and require further investigation
- Concerns about nonrenewal of SHARCs, especially in certain regulatory areas
- Need to supplement mailed SHARC survey with in-person survey in portions of Area 4
- Recommendation to continue harvest monitoring

For More Information

- Division of Subsistence Website:
www.subsistence.adfg.state.ak.us and go to publications for draft final report
- Or: call us at 907-465-4147, or 465-3617, or 267-2353
- Or write: ADF&G, Division of Subsistence, 333 Raspberry Road, Anchorage, AK, 99518
- Or contact NMFS at: 1-800-304-4846 (option 2) or www.fakr.noaa.gov/ram/subsistence/halibut.htm