

**NOAA  
FISHERIES**

# Economic Status of the Crab Fisheries off Alaska, 2023: Preliminary Summary Report

Brian Garber-Yonts, AFSC  
Crab Plan Team Meeting  
September, 2023

Contributors: Jean Lee, Anna Abelman (AKFIN)



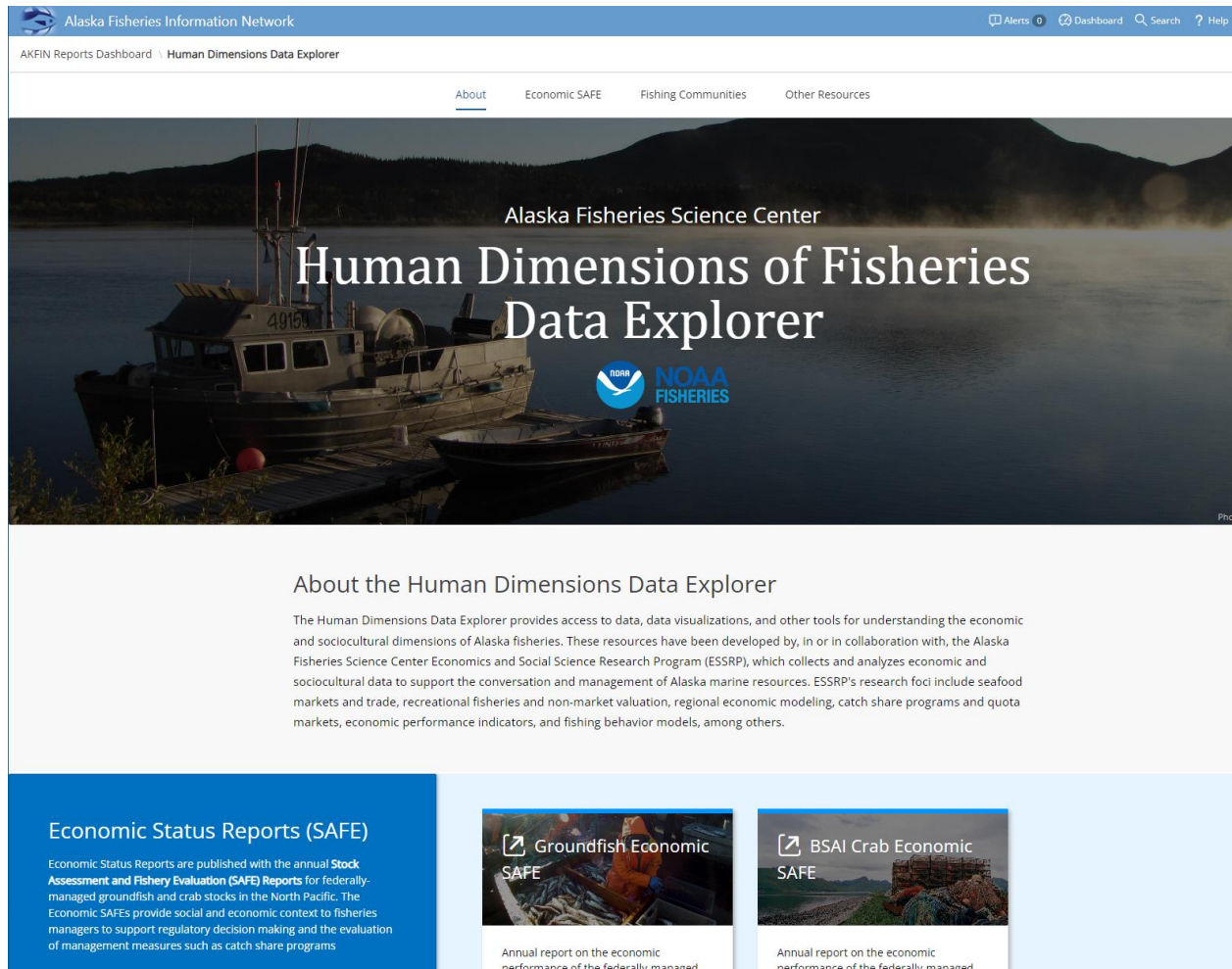
**NOAA FISHERIES**

# 2023 Crab Economic SAFE Overview

- Executive Summary
  - Report card
  - Key indicators: volume and value, employment and earnings, quota leasing
- Economic Status and Trends (Full report)
  - Economic output- production and value, by sector
  - Vessel and processing labor - income and employment
  - Harvest sector operating costs and financial performance
  - IFQ/CDQ lease market, QS market and holdings
    - QS Decomposition
  - Fishing capacity and effort
  - International trade - king and snow crab



# Economic SAFE & Data Availability



The screenshot shows the Alaska Fisheries Information Network (AKFIN) website. The header includes the Alaska Fisheries Information Network logo, navigation links for Alerts, Dashboard, Search, and Help, and a breadcrumb trail for AKFIN Reports Dashboard > Human Dimensions Data Explorer. The main navigation menu includes About, Economic SAFE, Fishing Communities, and Other Resources. The main content area features a large image of a fishing boat on a dock with the text "Alaska Fisheries Science Center Human Dimensions of Fisheries Data Explorer" and the NOAA Fisheries logo. Below this is a section titled "About the Human Dimensions Data Explorer" with a paragraph of text. At the bottom, there are three featured reports: "Economic Status Reports (SAFE)", "Groundfish Economic SAFE", and "BSAI Crab Economic SAFE".

Alaska Fisheries Information Network

Alerts 0 Dashboard Search Help

AKFIN Reports Dashboard > Human Dimensions Data Explorer

About Economic SAFE Fishing Communities Other Resources

Alaska Fisheries Science Center  
Human Dimensions of Fisheries  
Data Explorer

NOAA FISHERIES

Photo:

### About the Human Dimensions Data Explorer

The Human Dimensions Data Explorer provides access to data, data visualizations, and other tools for understanding the economic and sociocultural dimensions of Alaska fisheries. These resources have been developed by, in or in collaboration with, the Alaska Fisheries Science Center Economics and Social Science Research Program (ESSRP), which collects and analyzes economic and sociocultural data to support the conversation and management of Alaska marine resources. ESSRP's research foci include seafood markets and trade, recreational fisheries and non-market valuation, regional economic modeling, catch share programs and quota markets, economic performance indicators, and fishing behavior models, among others.

#### Economic Status Reports (SAFE)

Economic Status Reports are published with the annual **Stock Assessment and Fishery Evaluation (SAFE) Reports** for federally-managed groundfish and crab stocks in the North Pacific. The Economic SAFEs provide social and economic context to fisheries managers to support regulatory decision making and the evaluation of management measures such as catch share programs

#### Groundfish Economic SAFE

Annual report on the economic performance of the federally-managed

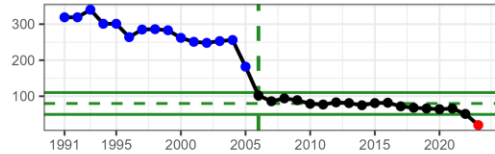
#### BSAI Crab Economic SAFE

Annual report on the economic performance of the federally-managed

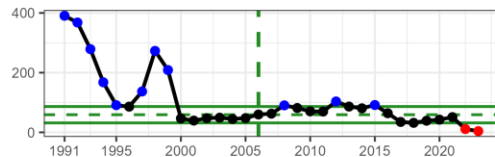
[Human Dimensions Data Explorer](https://reports.psmfc.org/akfin/f?p=501:2000)  
<https://reports.psmfc.org/akfin/f?p=501:2000>

# Report Card Metrics

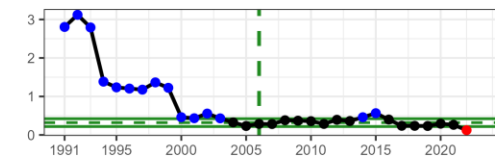
1. Count of active crab vessels



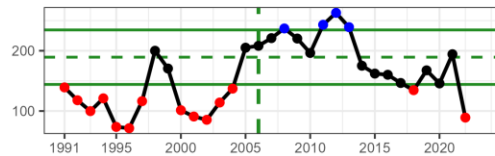
2. Ex-vessel pounds landed, total (million)



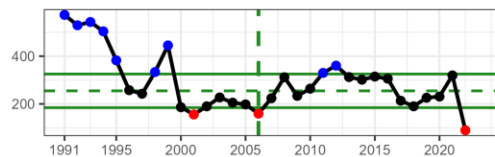
3. Total potlifts (million)



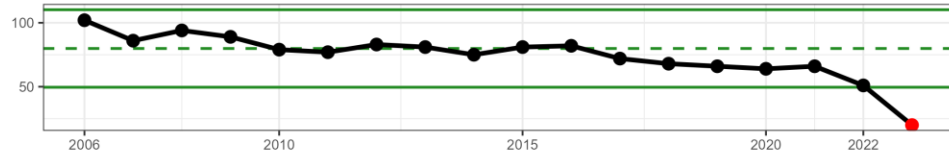
4. Pounds landed per potlift (wtd average)



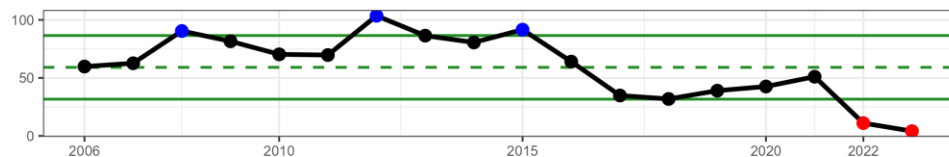
5. Ex-vessel value, total (\$2022 million)



Post-Rationalization



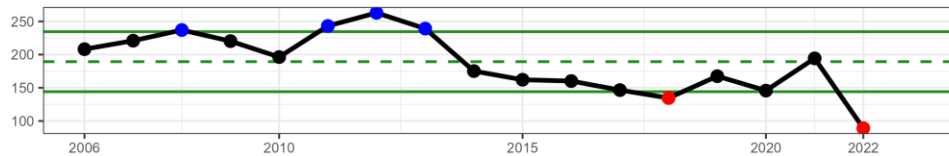
Post-Rationalization



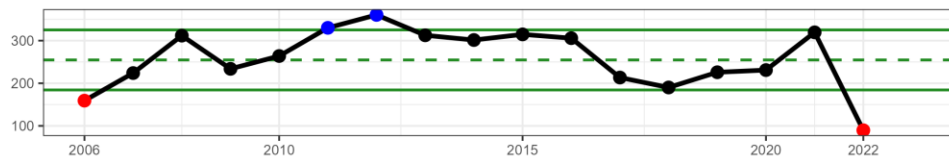
Post-Rationalization



Post-Rationalization



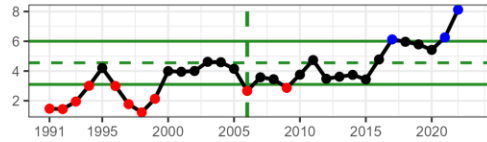
Post-Rationalization



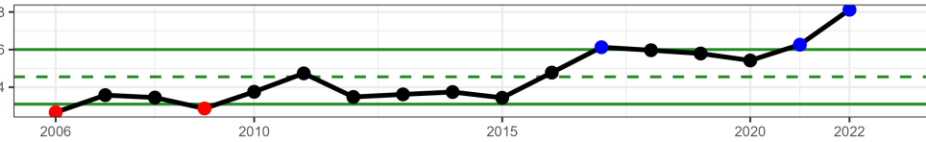
Note: See Figure 1.3 for footnotes.

# Report Card Metrics

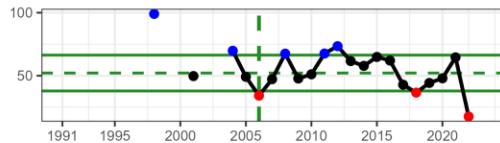
6. Price index - wtd average, all ex-vessel sales (\$2022)



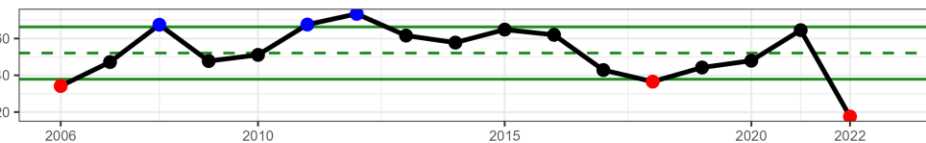
Post-Rationalization



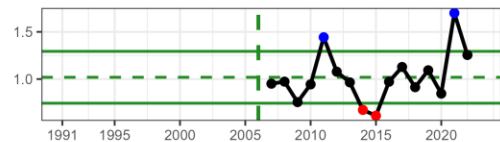
7. Crew labor payment, total, all vessel crew (\$2022 million)



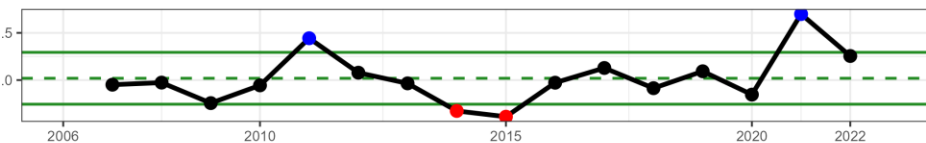
Post-Rationalization



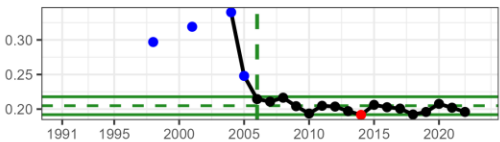
8. Deck crew pay per day - average per crew member, per day (\$2022K)



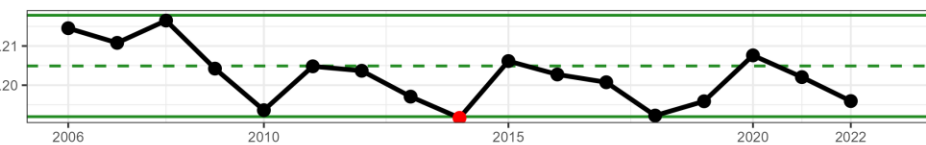
Post-Rationalization



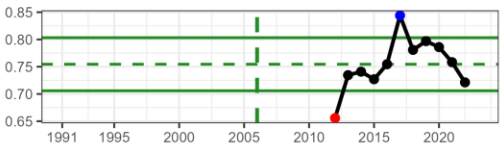
9. Crew labor payment as share of ex-vessel gross revenue (%)



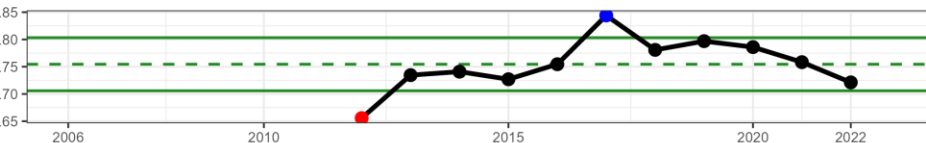
Post-Rationalization



10. Quota lease royalty cost as share of ex-vessel gross revenue (%)



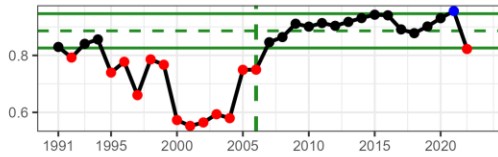
Post-Rationalization



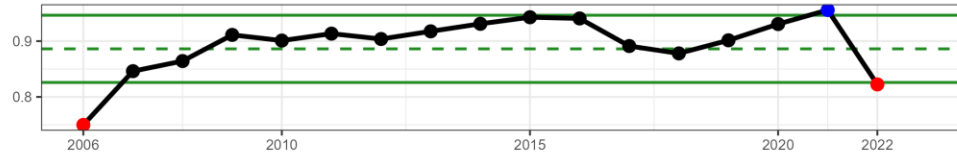
Note: See Figure 1.3 for footnotes.

# Report Card Metrics

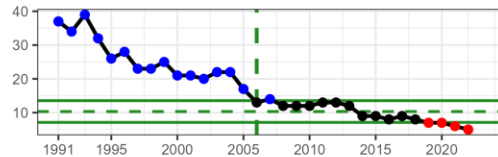
11. Crab ex-vessel revenue share



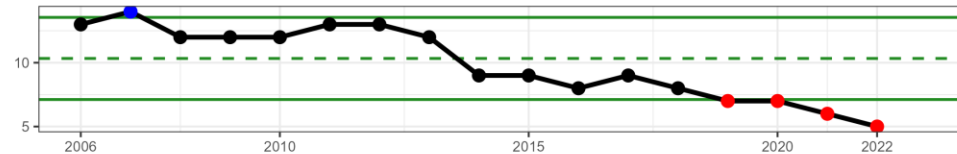
Post-Rationalization



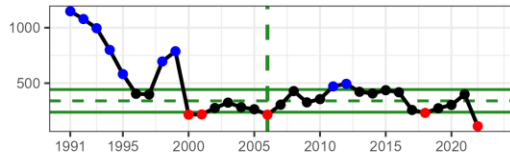
12. Count of active crab processing plants



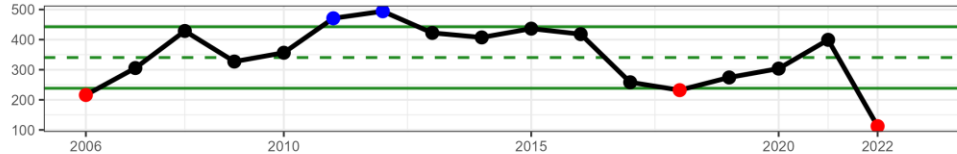
Post-Rationalization



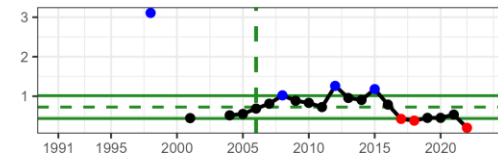
13. First-wholesale revenue, total (\$2022 million)



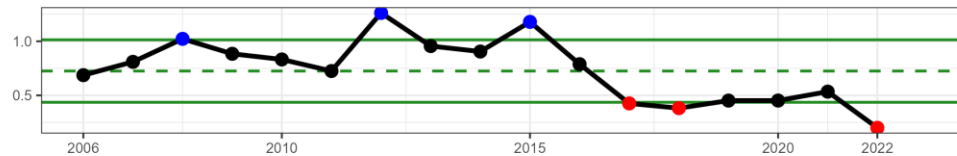
Post-Rationalization



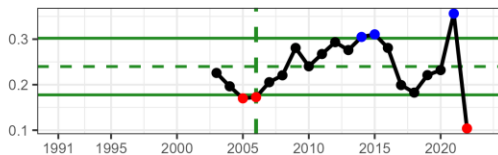
14. Processing labor hours, total (million)



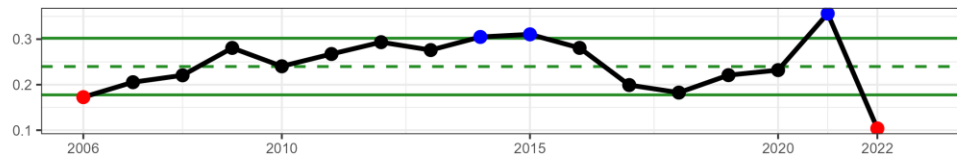
Post-Rationalization



15. Crab first wholesale revenue share

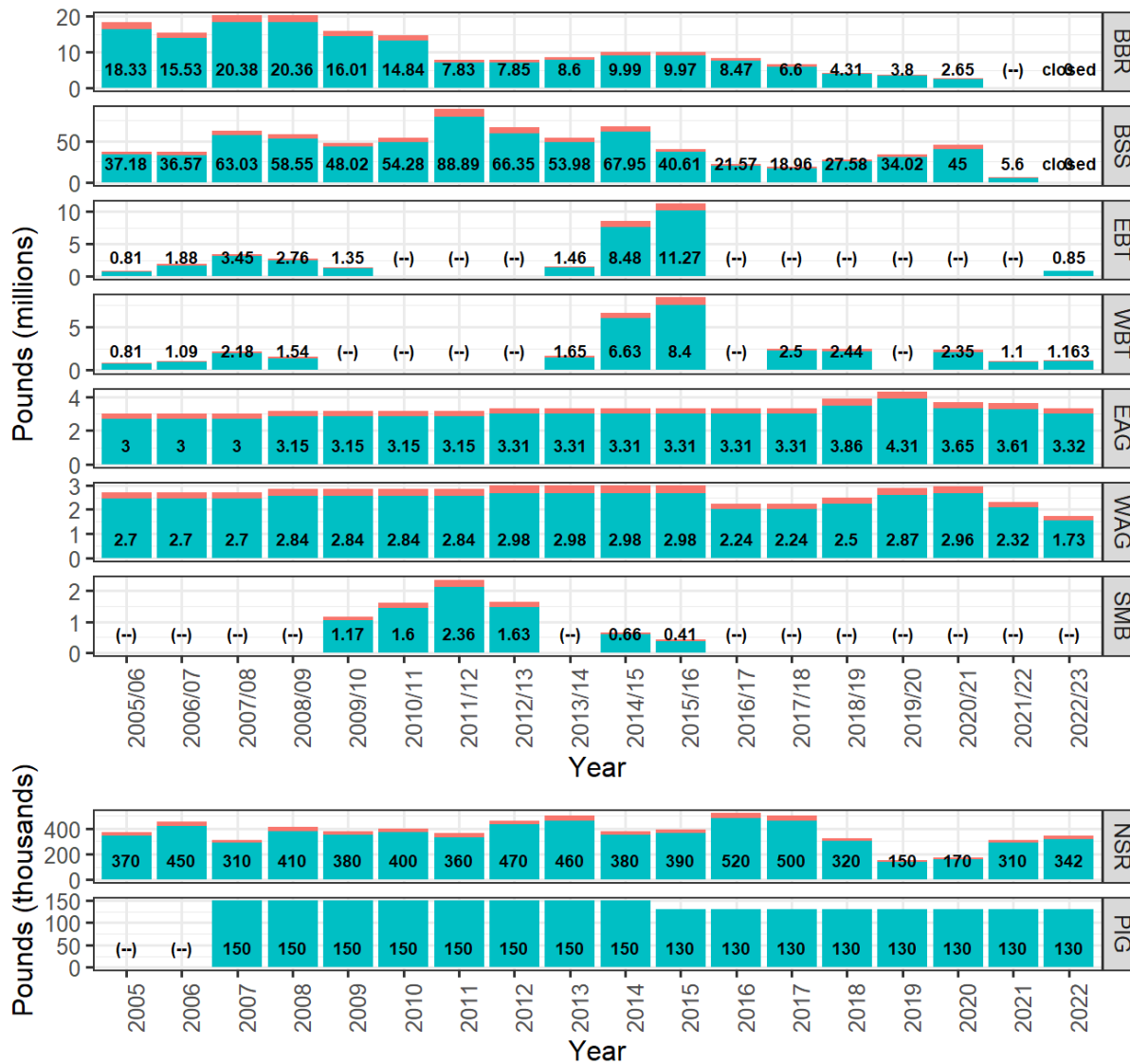


Post-Rationalization



Note: Green vertical line indicates the first full calendar year of implementation of the CR program. Green horizontal lines show the mean (dashed) and 1 standard deviation (solid) for the 2005-present reference period. Color of plotted values indicates values within (black), above (blue), and below (red) one standard deviation of the mean.

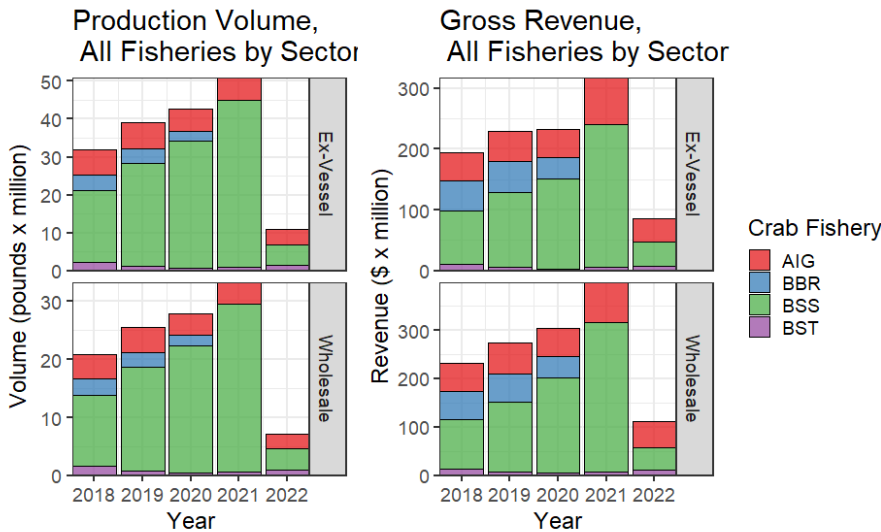
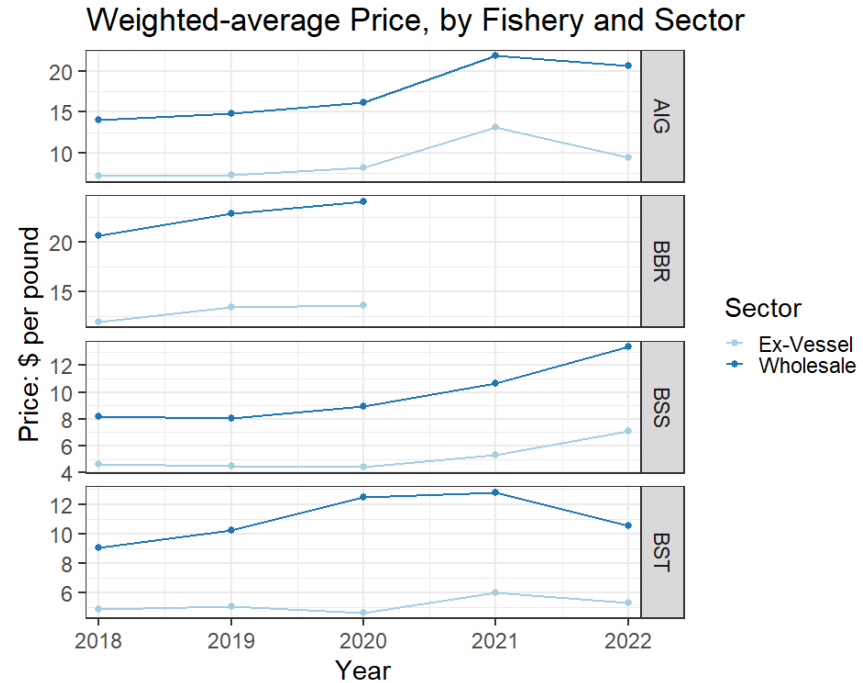
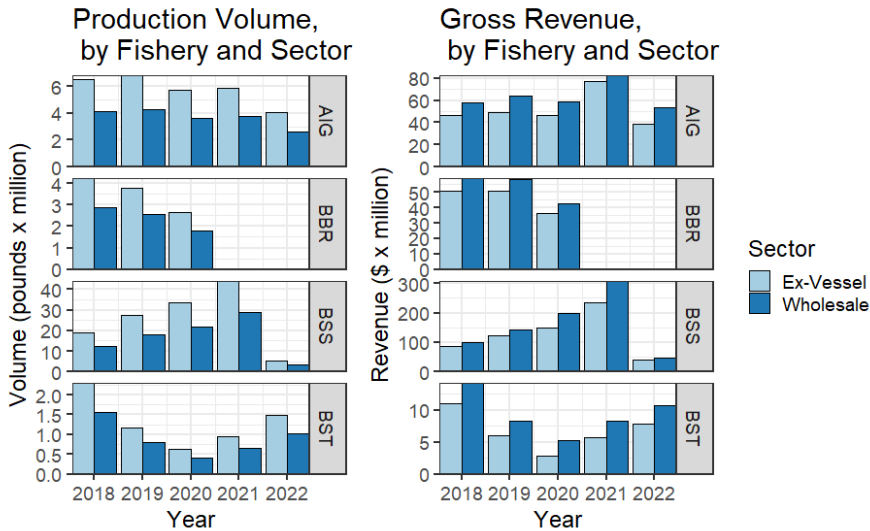
# TACs 2005/06 - 2022/23



Allocation ■ CDQ ■ IFQ

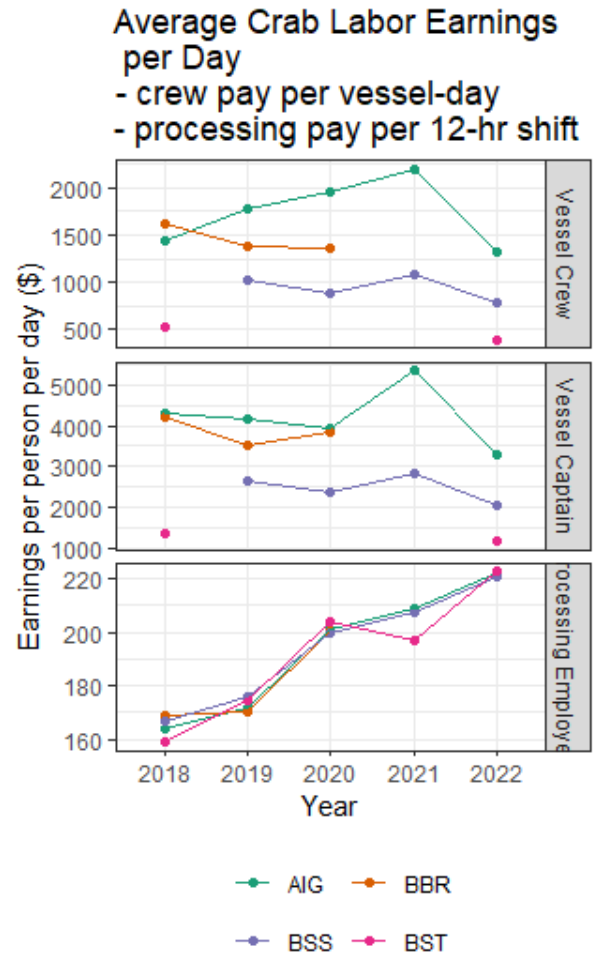
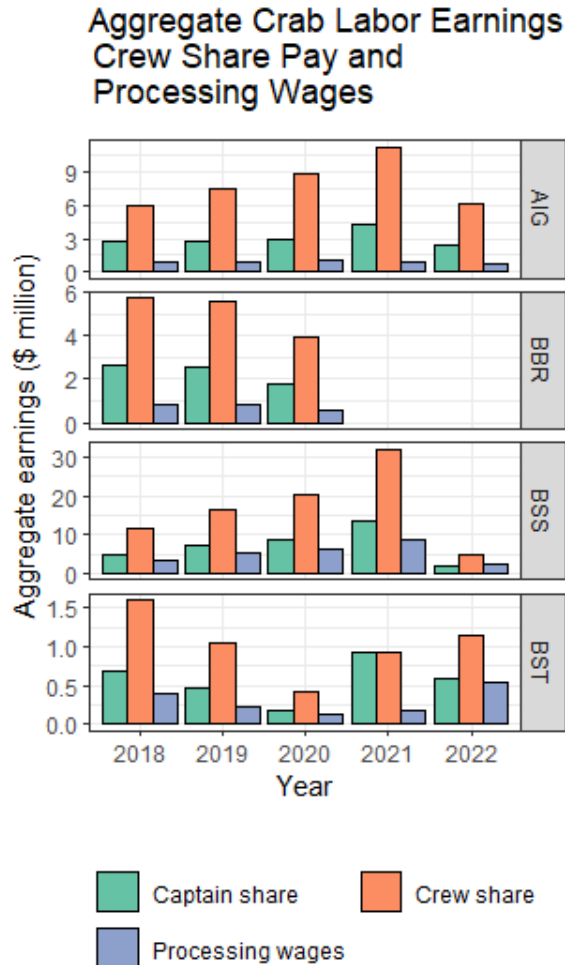
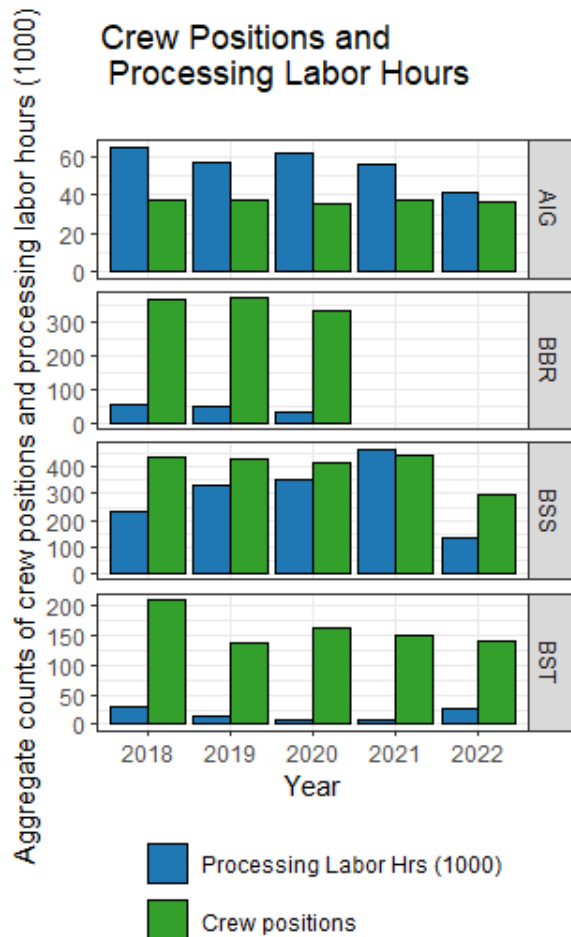


# Production & Value 2022



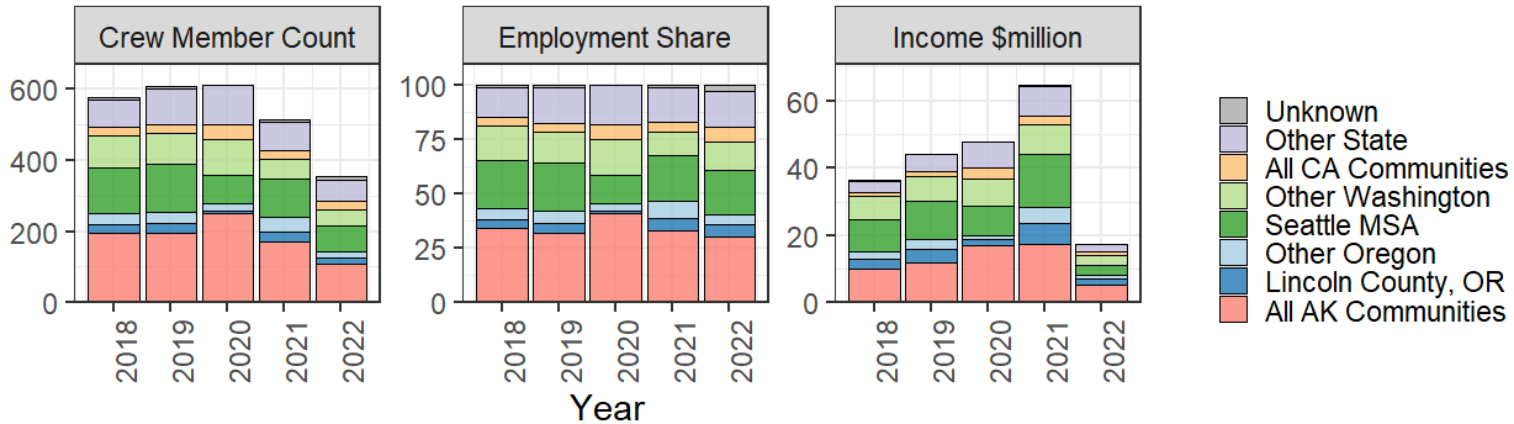


# Harvest & Processing Sector Employment & Labor Costs

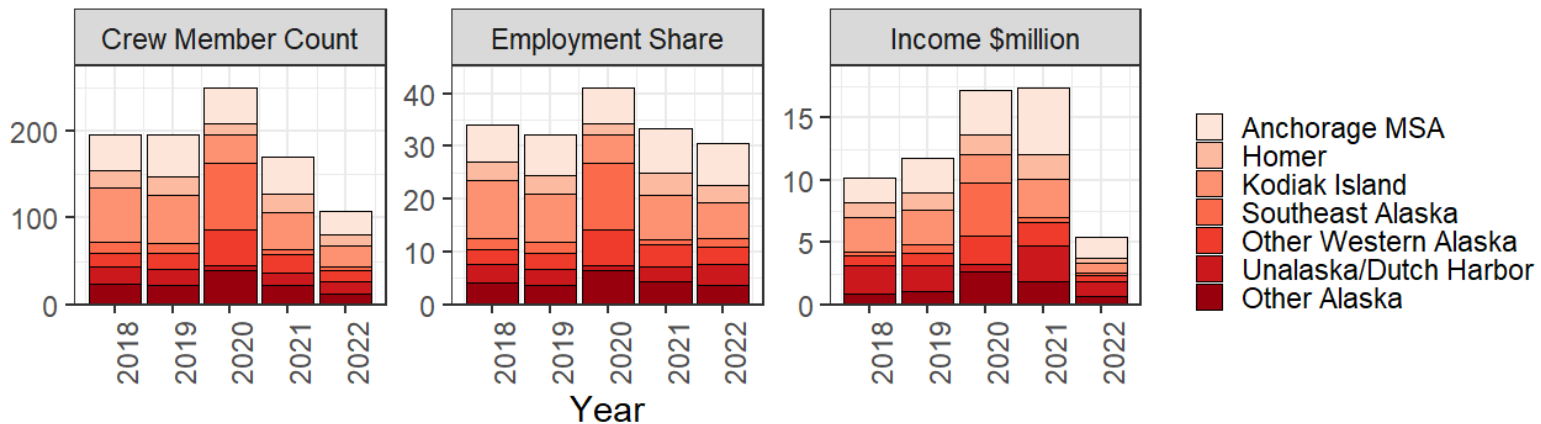


# Crew Employment and Income, by Community/Region of Residence

## All Communities

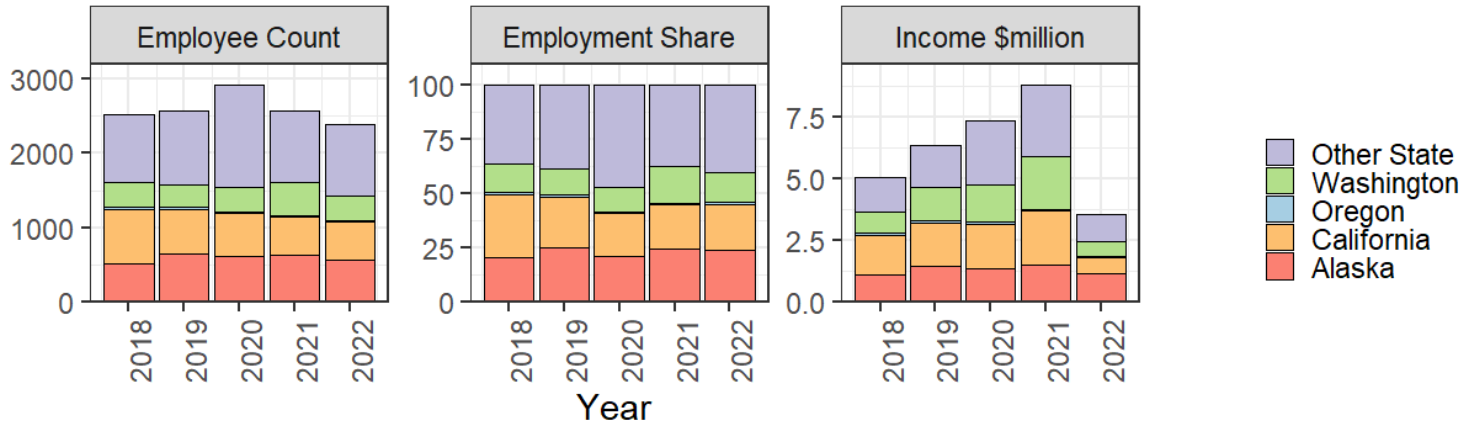


## Alaska Communities

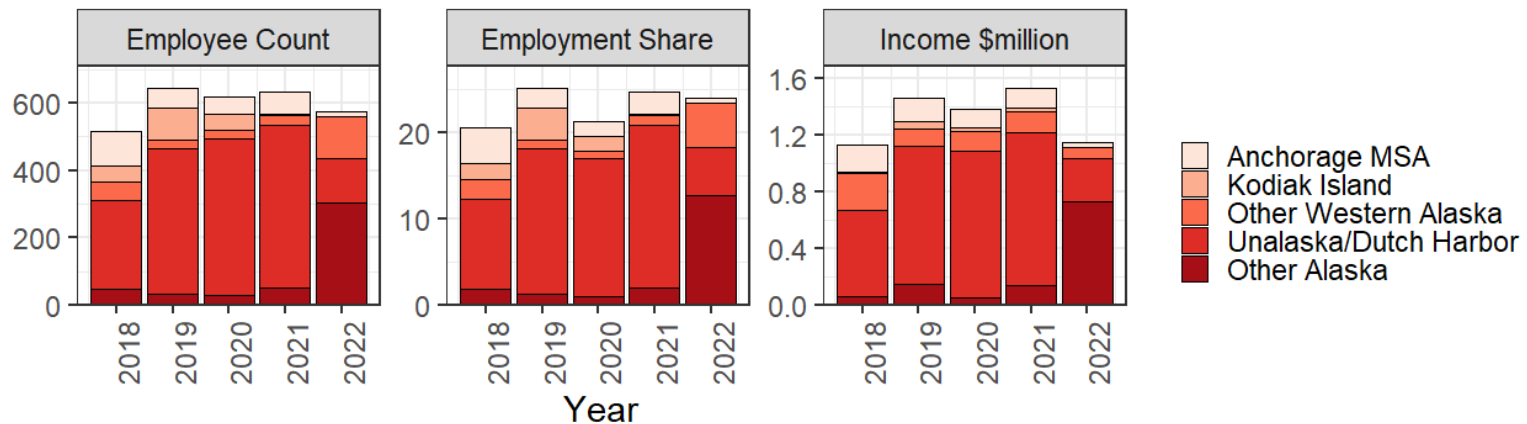


# Processing Labor Employment and Labor, by Community/Region of Residence

## All Communities

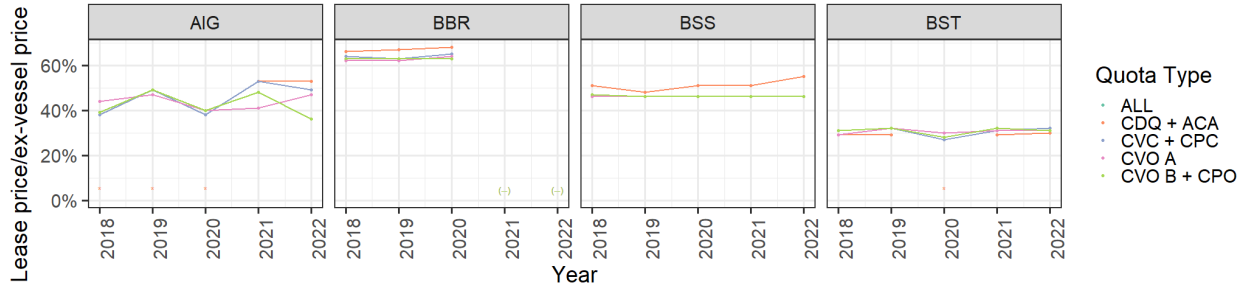


## Alaska Communities

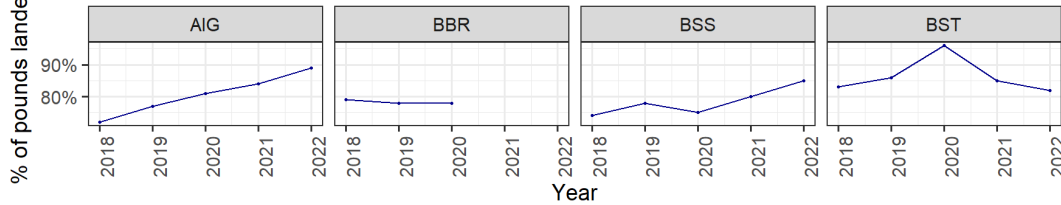


# IFQ Lease Activity and Rates

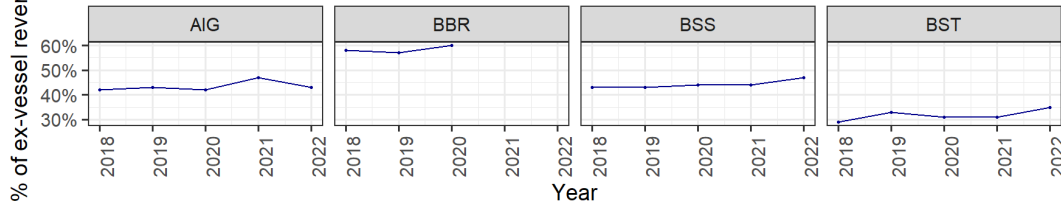
Average lease rate (lease price as % of ex-vessel price), vessel median, by quota type



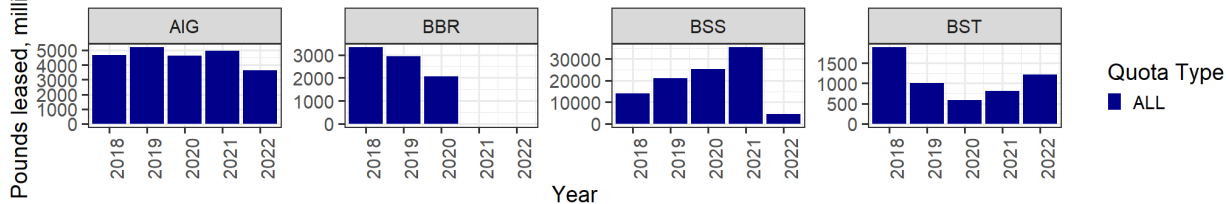
Lease volume as % of pounds landed by fishery, weighted mean



Lease cost as % of ex-vessel gross by fishery, weighted mean



Total fishing quota leased volume, all vessels



# Discussion

## Priorities for 2023 Economic SAFE:

- Minimal changes in scope and content of document per SSC
- Price forecasts and current-year estimates in development
- Salient indicators of current state of industry, stakeholders
- Potentially report on regional economic impact analysis of closures (ESSR study ongoing, C. Seung et al)

- ESSR Program Annual Report Coordination

- Crab, Groundfish Econ SAFE
- ACEPO
- ESPs, EPRs

Strategic plan/framework/index and communication

Stakeholder outreach

Delayed due to staffing issues





**NOAA FISHERIES**