Science, Service, Stewardship



Crab SAFE: Economic Status Report 2019

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2019 Crab Economic SAFE Overview

- Executive Summary
- Economic Status and Trends
 - Economic output
 - TACs, landings, ex-vessel and finished product volume
 - Ex-vessel and first wholesale revenue and average prices
 - Employment and labor income
 - Harvest sector operating costs and financial performance
 - Quota market and holdings
 - Fishing capacity and effort
 - International trade

Economic SAFE availability



https://www.afsc.noaa.gov/REFM/Socioeconomics/SAFE/default.php

or

https://www.fisheries.noaa.gov/alaska/sustainable-fisheries/alaska-crabstock-assessment-and-fishery-evaluation-reports

SSC Comments

...recommends that [net earnings] metrics be developed for the processing sector as well. The SSC also recommends that the Crab SAFE include report card indices that parallel those in the groundfish SAFE. The SSC notes that these indices do not need to be the same as those of the groundfish SAFE but should be informative about the current performance of the crab fisheries relative to past performance. The SSC also recommends that data presented in the Crab Economic SAFE tables be available for download by the public, similar to the data in the Groundfish SAFE." February, 2018

- Very limited non-confidential cost data available for crab processors.
- Report card indices and additional ESPs will de developed for May CPT meeting
- New! Executive Summary data available online via AKFIN: <u>https://reports.psmfc.org/akfin</u>

SSC Comments

"The upcoming crab SAFE analysis of the extent of quota leasing, the degree to which quota is being fished by leaseholders rather than quota owners, and how ownership patterns have changed over time should include a disaggregation to the community level where possible... Vessel ownership by community should be similarly tracked on an annual basis in the SAFE document to allow the identification of trends, as should the number of reductions in the amount of employment throughout the fisheries noted (e.g., the number of crew positions decreasing by 10%). ... information on average daily and total seasonal [processing] wages be provided by community and tracked over time. "June, 2018

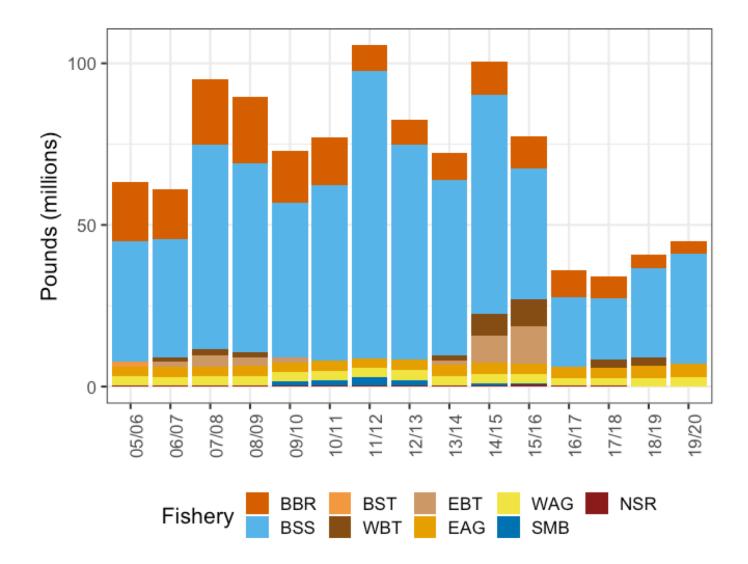
- Ownership decomposition still in development
- Community/regional disaggregation of results will be addressed as possible in annual community participation document (ACEPO, forthcoming).
- Crab processing labor statistics generally cannot be disaggregated to community level due to confidentiality limits.

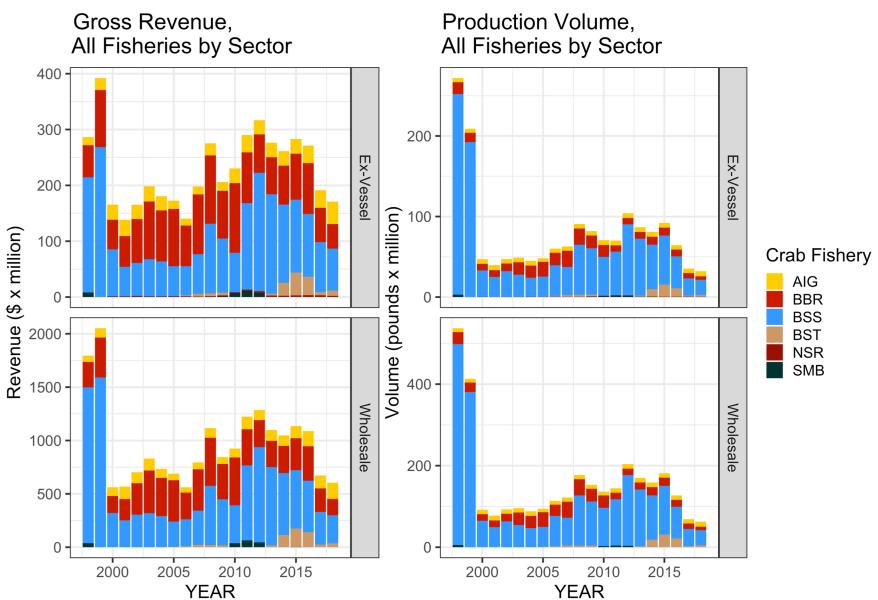
SSC Comments

"...The SSC agrees with the CPT that the Norton Sound red king crab fishery would be a good candidate for a pilot socio-economic report as it would be particularly valuable for evaluating the efficacy of multiple community protection measures" June, 2019

ESP was produced for SMB fishery; CPT has prioritized BBR as next crab ESP

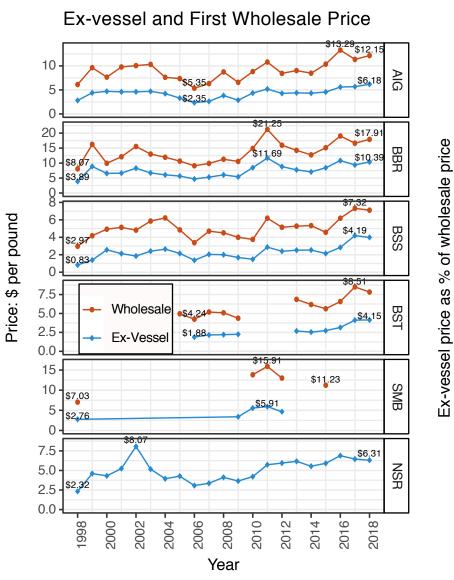
TAC 2005/06 - 2019/20

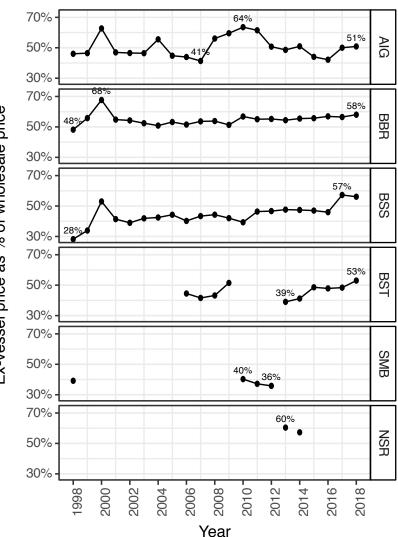




2018 Production & Value

Ex-vessel & Wholesale Price

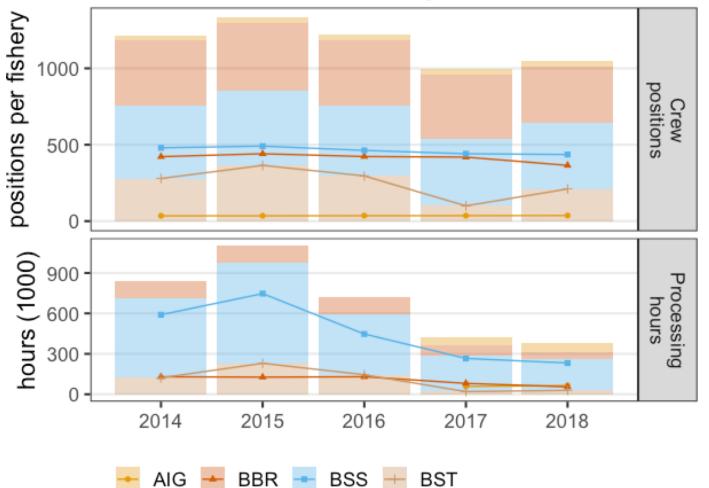




Ex-vessel/First Wholesale Price Ratio

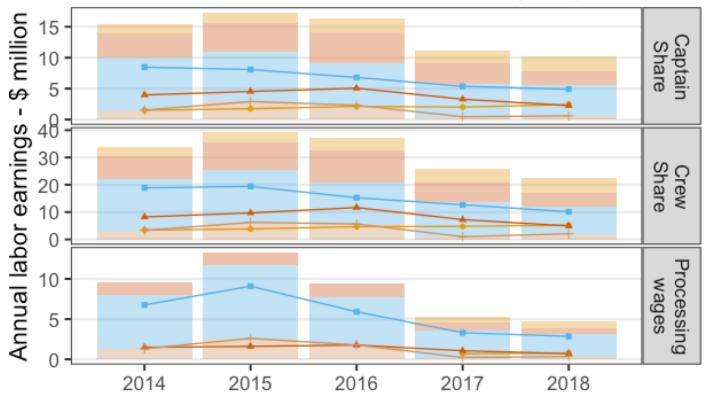
2018 Employment & Income (CR program)

Aggregate Crab Employment Crew Positions and Processing Labor Hours



2018 Employment & Income (CR program)

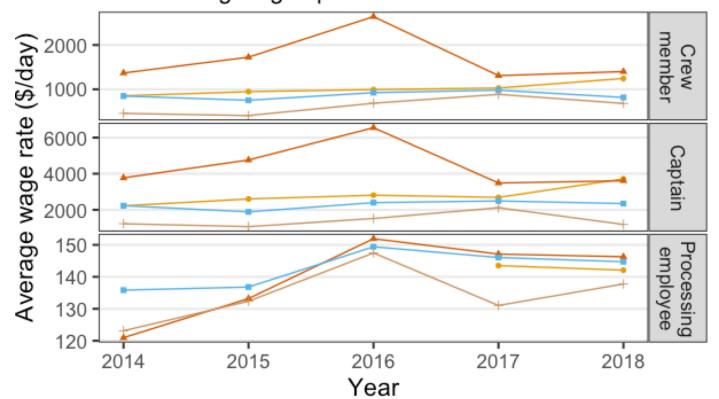
Aggregate Crab Labor Earnings, Crew and Captain Share, and Processing Wages





2018 Employment & Income (CR program)

Crab Labor Wage Rates -Captain/Crew share earnings/vessel-day -Processing wages per 12-hr shift



🕨 AIG 🛨 BBR 🛨 BSS 🕂 BST

IFQ Lease Activity and Rates



BBR CVO A: 62-63% BSS CVO A: 46% Over all QS:

- 81-88% Leased
- 39-42% Gross

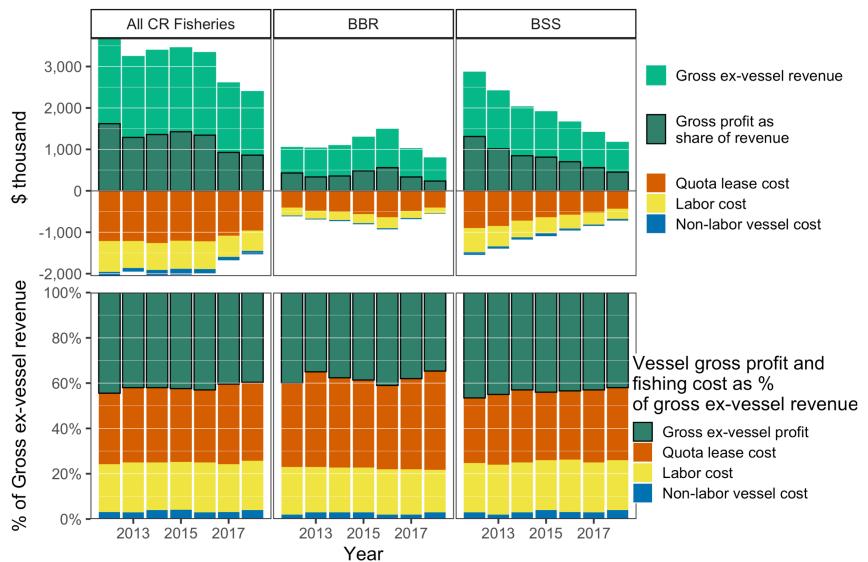
Vessel Income Statement - 2018

Number of active vessels	55	
Pounds landed Quota pounds leased (% of landed)	76 61	(68%)
—- Quota lease cost	(\$407)	(44%)
Gross residual after lease cost	\$386	56%
Provisions	(\$4.05)	(0.5%)
—— Bait	(\$7.37)	(0.9%)
—— Fuel	(\$7.50)	(1.0%)
—- Non-labor vessel cost (Total)	(\$19)	(3%)
Gross residual (non-labor)	\$367	54%
Labor cost	(\$132)	(19%)
 Harvesting cost (Total) 	(\$557)	(65%)
Gross ex-vessel profit	\$235	35%

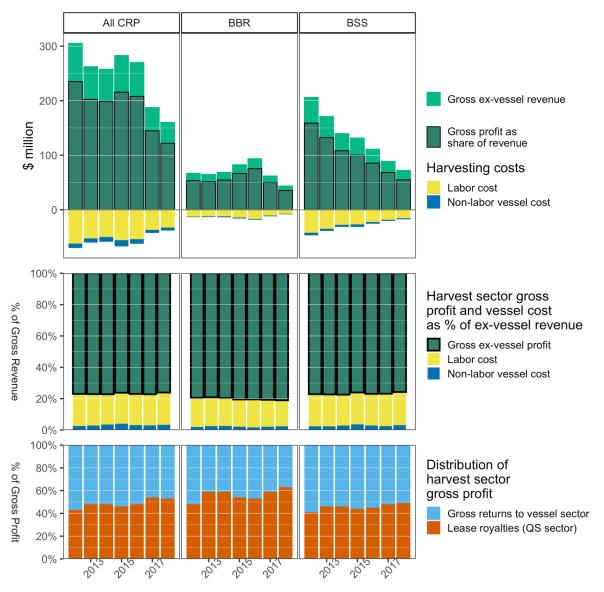
Vessel Income Statement - 2018

Number of active vessels Pounds landed	62 292	
Quota pounds leased (% of landed)	226	(66%)
Gross ex-vessel revenue	\$1167	
—- Quota lease cost	(\$433)	(32%)
Gross residual after lease cost	\$734	68%
Provisions	(\$6.66)	(0.6%)
—— Bait	(\$15.02)	(1.3%)
—— Fuel	(\$15.14)	(1.3%)
—- Non-labor vessel cost (Total)	(\$37)	(4%)
Gross residual (non-labor)	\$697	64%
—- Labor cost	(\$246)	(22%)
 Harvesting cost (Total) 	(\$716)	(58%)
Gross ex-vessel profit	\$451	42%

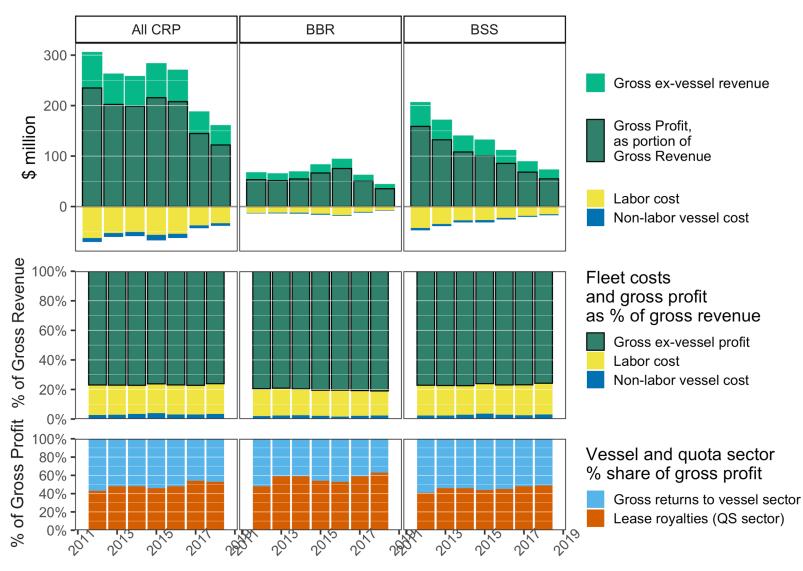
Vessel Income Statement



Fleet Income Statement

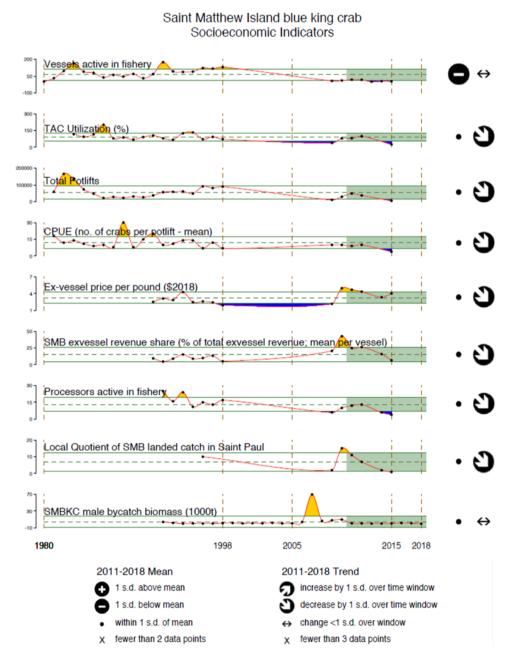


Fleet Income Statement



ESPs

- Candidate stocks
- Standardize metrics



Discussion

Priorities for 2020 SAFE:

- Report card metrics, ESP integration
- Price forecasts & current-year estimates
- Demographics (Community chapter)
- Processing sector income analysis
- Consistency with Groundfish Econ SAFE
- Council EDR Review