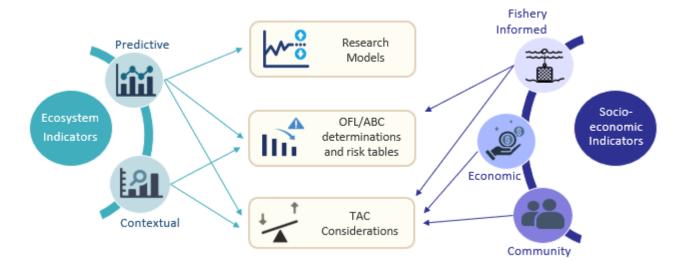


Eastern Bering Sea Snow Crab



2025 Ecosystem and Socioeconomic Profile (ESP) Report Card

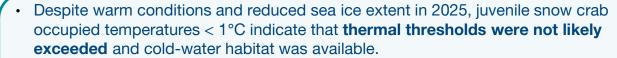


Ecosystem Considerations



Predictive





- Bitter crab disease, Pacific cod consumption and juvenile snow crab energetic condition indicators have not reached concerning levels in recent years, suggesting suitable conditions for high survival and rebuilding.
- Range contraction and a southward shift in the mature male snow crab center of abundance has coincided with a decline in the size of the cold pool since 2022.
- Notable trends in growth and maturity include a directional downward shift in male size at terminal molt for the past three decades, and a substantial increase in female size at maturity from 2024 to 2025.
- The operational sex ratio was strongly female-skewed in 2025, although < 1% of mature females with empty clutches suggests high reproductive potential despite depressed abundances of large male snow crab.



- Fishery-informed indicators generally support improved stock condition relative to the most recent (2021/22) fishery, and crab vessel captain observations are consistent with high fishery CPUE.
- Despite a continued extreme northerly shift in the center of distribution of fishing
 activity and a reported fishing practice change in setting pots at greater depths to
 avoid undesirable crab during the 2024/25 fishery, no considerations suggest greater
 than normal risk.







Contextual



Snow Crab ESP Report Card

Ecosystem Indicators

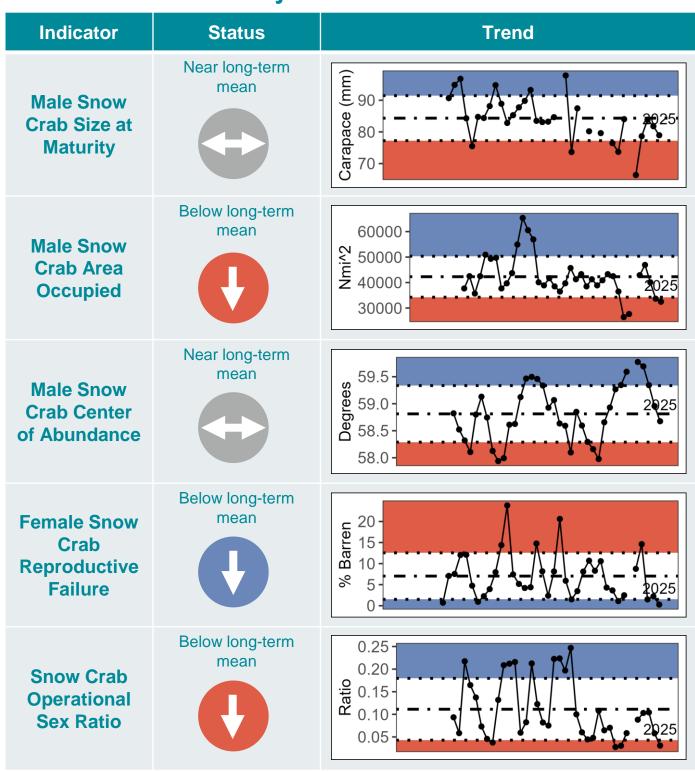
Ecosystem mulcators		
Indicator	Status	Trend
Juvenile Snow Crab Temperature of Occupancy	Near long-term mean	Sep 1 - 2025 -1
Winter/Spring Sea Ice Extent	Near long-term mean	40- 30- 30- 20- 10-
Juvenile Snow Crab Disease Prevalence	Near long-term mean	Bender 2 - A - A - A - A - A - A - A - A - A -
Juvenile Snow Crab Energetic Condition	Near long-term mean	ti 35 - \2025
Pacific Cod Consumption	Near long-term mean	2500 - \$2000 - \$00 - \$1500 - \$1000 - \$500 -

Contextual



Snow Crab ESP Report Card

Ecosystem Indicators



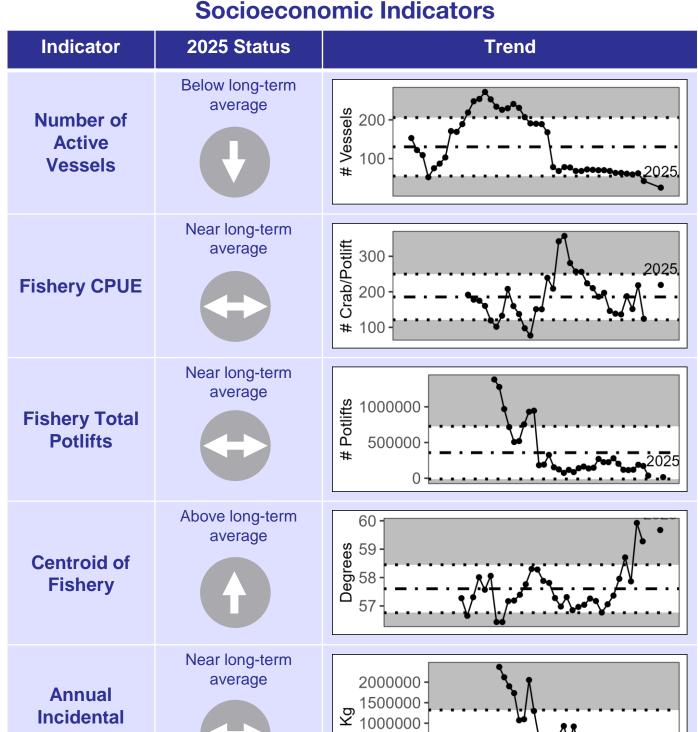
Catch

Fishery Informed





Socioeconomic Indicators



500000





Socioeconomic Indicators



Fishery Informed

Indicator	Status	Trend
Skipper Survey: Perceived Abundance of Industry Preferred Males	Increase in perceived abundance	25%+ Increase - 10-25% Increase - No Change - 10-25% Decrease - 25%+ Decrease - 0 2 4 6 8 Number of Responses
Skipper Survey: Changes in Fishing Behavior	Change in behavior	No Change - Moved Fishing Locations - Fished Deeper - Longer Soak Times - 0 2 5 8 10 Number of Responses
Skipper Survey: Motivation for Changes in Fishing Behavior	Change in behavior	Undesirable Crab Trawlers in the Area No Change Low CPUE Too Much Sorting 0 2 5 8 Number of Responses