

# C6 BSAI CRAB STOCKS

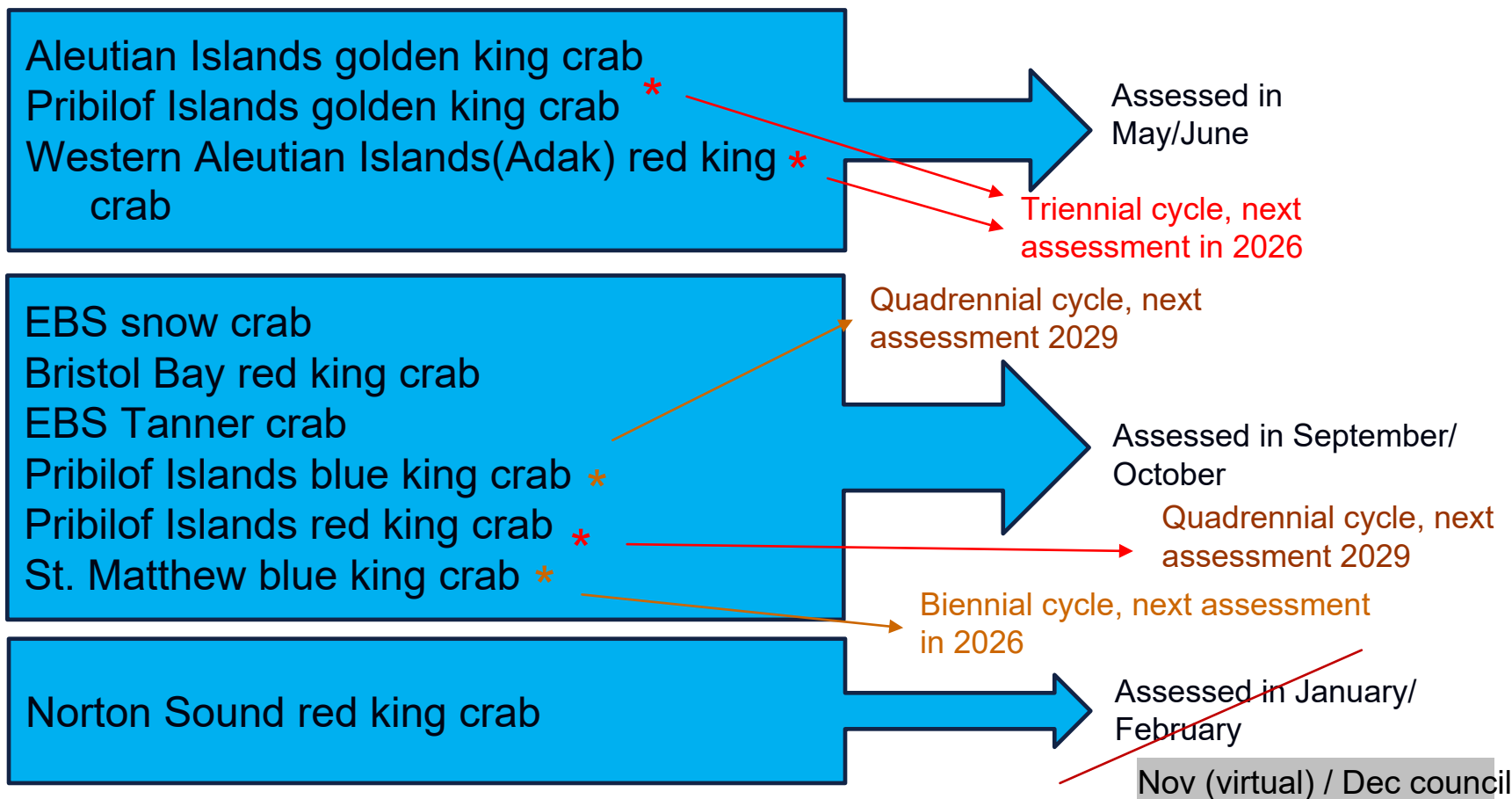
KATIE PALOF & MIKE LITZOW (CPT CGCHAIRS)

December 2025 NPFMC MEETING, Anchorage, AK

CPT MEETING MINUTES Nov 6<sup>th</sup> (VIRTUAL)



# BSAI Crab Stocks Management Timing



# November 2025 Agenda

- ✓ **NSRKC final assessment, OFL and ABC**
- ✓ AIGKC proposed model for May 2026
- ✓ HCR workshop intro and updates
- ✓ New business – Jan modeling workshop

\*CPT did not have full membership attendance due to the federal government shutdown



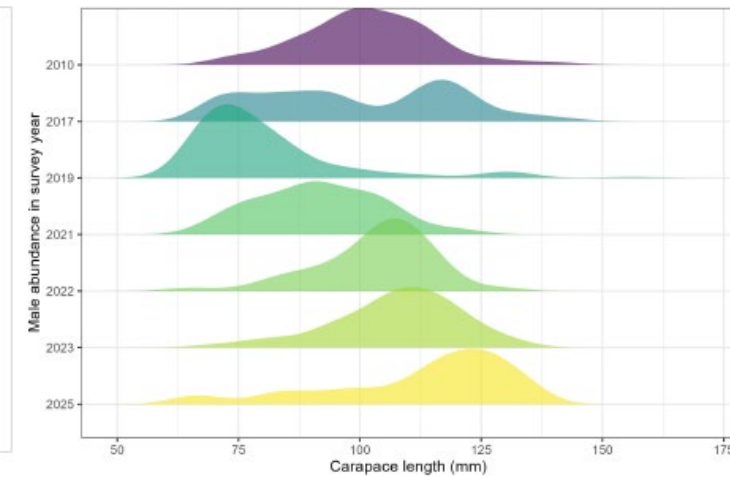
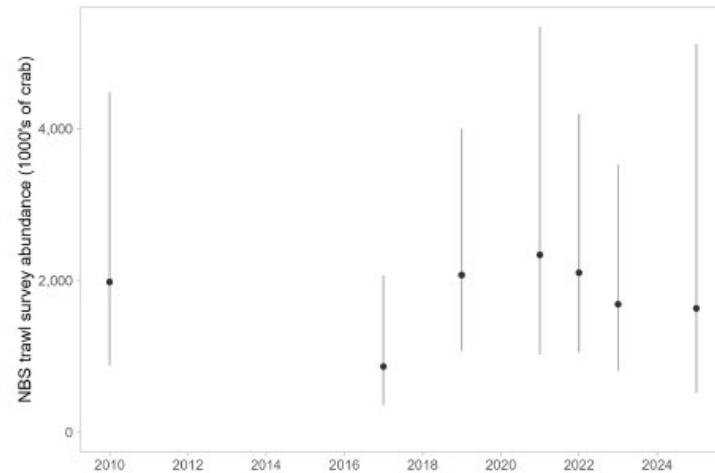
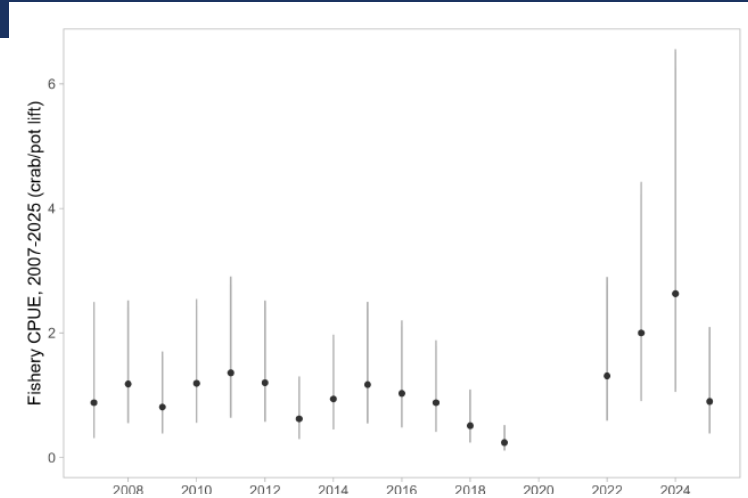
# NORTON SOUND RED KING CRAB (NSRKC)

FINAL ASSESSMENT 2025



# NSRKC overview

- **Tier 4 annual stock assessment, GMACS assessment** framework since Nov 2024; new authors: Caitlin Stern and Katie Palof
- Support summer and winter commercial fisheries as well as year long subsistence fishery
- Data updates:
  - Fishery CPUE
  - Northern Bering Sea Survey data – abundance and size comps



# CPT recommendations

- Author and CPT recommended model 25.0a2
- Selectivity changes make sense and fix high F values
- Shell conditions combined generally fit size comps better
- $M = 0.23$  aligns NSRKC with other king crab stocks (BBRKC, SMBKC, PIRKC)
- Improved retrospective patterns
- 30 % ABC buffer – consistent with previous years

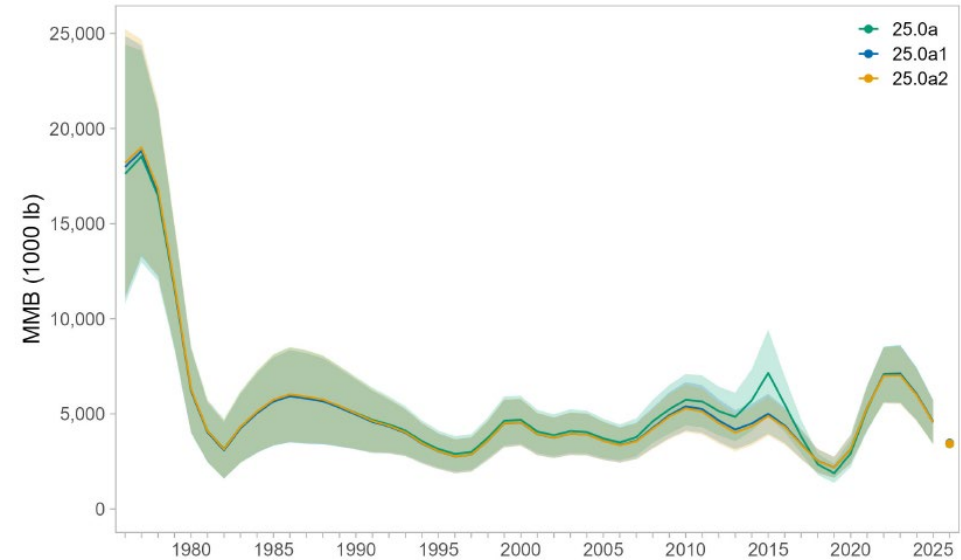


Table 1: Status and catch specifications (1,000 t) for the author-recommended model, 25.0a2.

Year	MSST	Biomass		Retained catch	Total catch	OFL	ABC	Model
		$(MMB_{\text{mating}})$	GHL					
2021/21	1.02	2.29	0.14	0.003	0.003	0.20	0.16	
2022/22	0.95	2.42	0.15	0.15	0.16	0.30	0.18	
2023/23	1.20	2.40	0.178	0.192	0.201	0.292	0.204	
2024/24	1.00	2.50	0.219	0.209	0.215	0.332	0.233	
2025/25	0.98	2.15	0.186	0.164	0.168	0.284	0.199	
2026/26	1.00	1.56				0.193	0.135	25.0a2



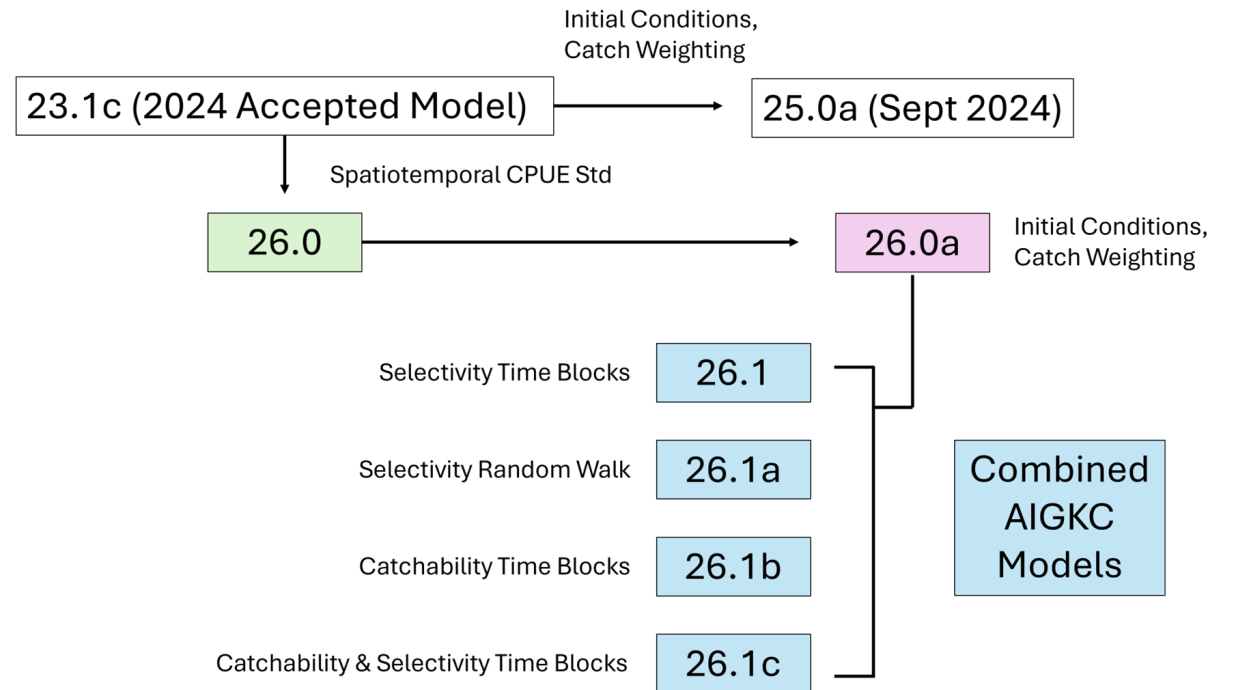
# ALEUTIAN ISLAND GOLDEN KING CRAB (AIGKC)

Proposed models for spring 2026



# AIGKC proposed models

- Model covered:
  - Initial conditions and data weighting
  - Spatiotemporal CPUE std
  - Selectivity and catchability time varying
- CPT / SSC recommended 4 models for May/June 2026
  - Models: 23.1c, 26.0, 26.0a, 26.1
- Other topics covered but still in progress:
  - Size at Maturity update analysis
  - Combined model – both east and west in one model
  - Gear conflict analysis





# QUESTIONS?

- Thanks to all CPT members and crab assessment authors.

