



**NOAA
FISHERIES**

Alaska Fisheries
Science Center
Auke Bay
Laboratories



**Alaska
Department of
Fish and Game**

2025 Southeast Alaska Pink Salmon Harvest Forecast

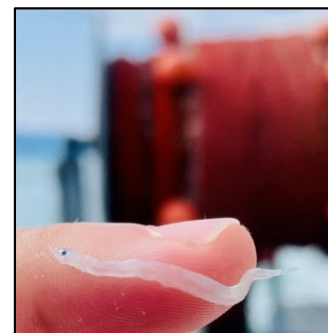
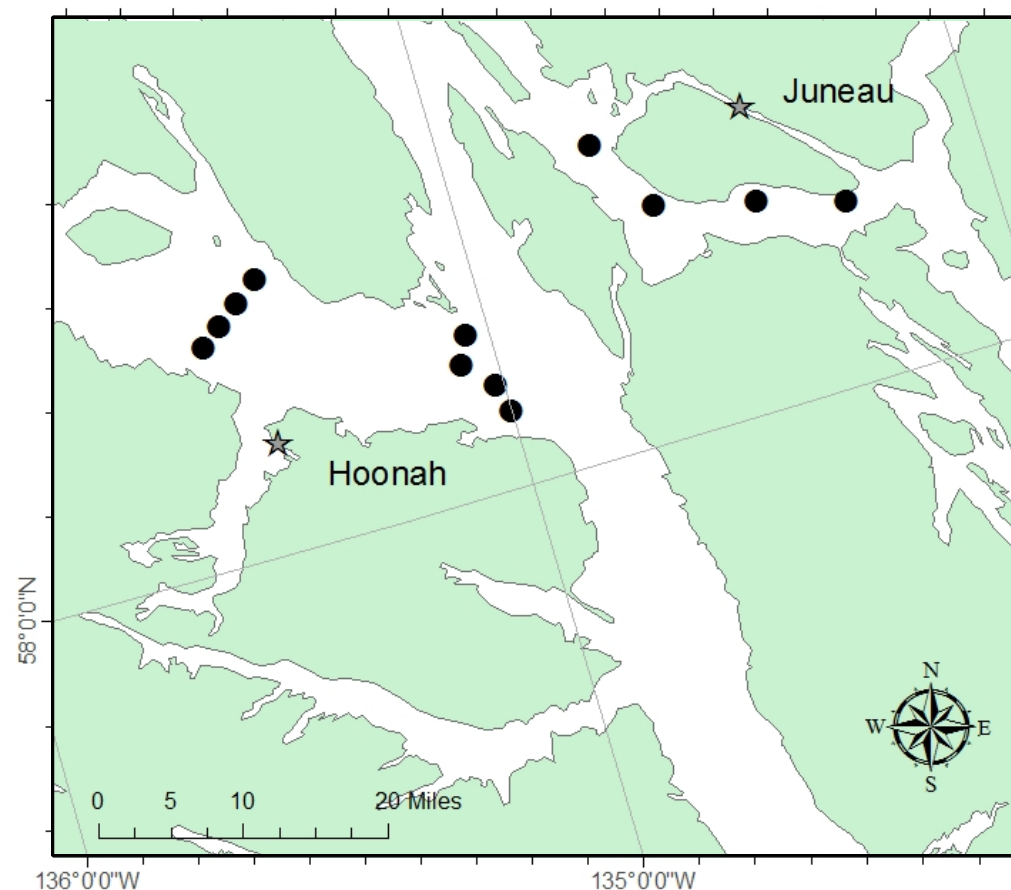
NOAA: Wesley Strasburger,
Emily Fergusson

ADF&G: Teresa Fish,
Andy Piston,
Sara Miller

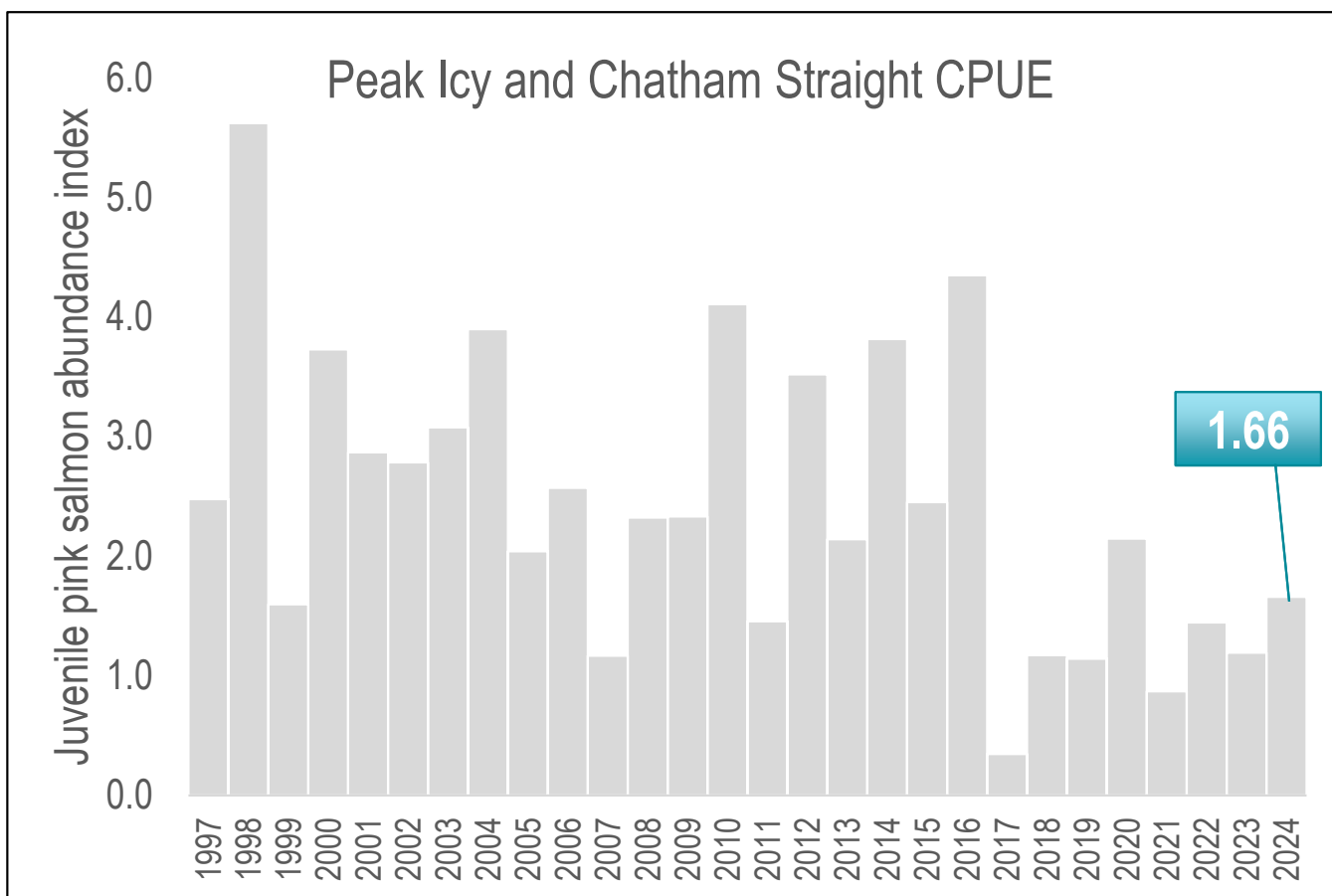
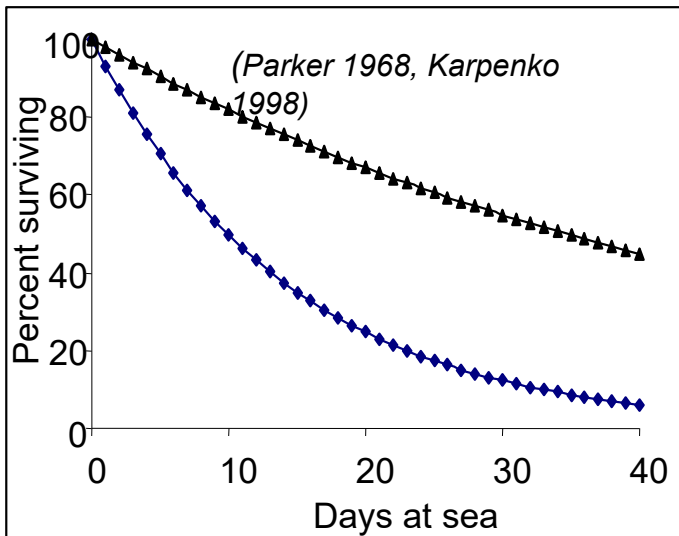
2024 Purse Seine
Task Force Meeting
December 3, 2024

Southeast Alaska Coastal Monitoring (SECM) Research

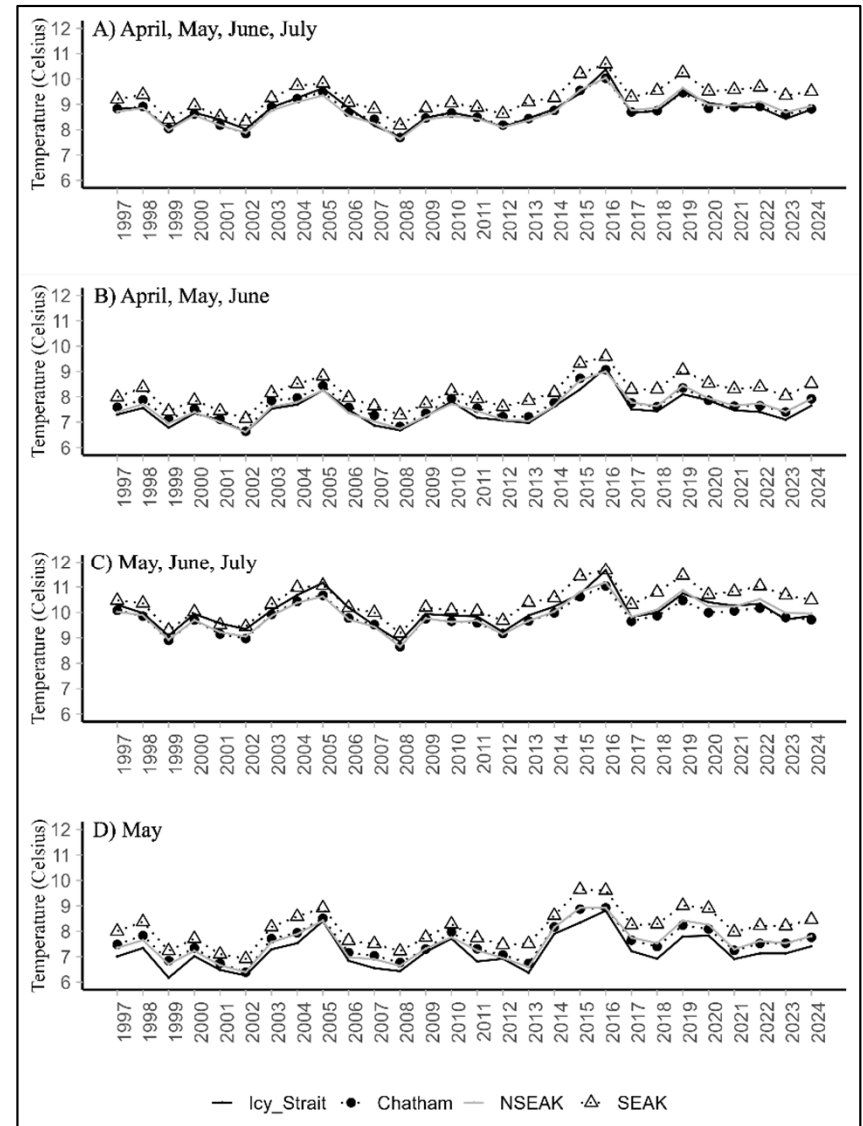
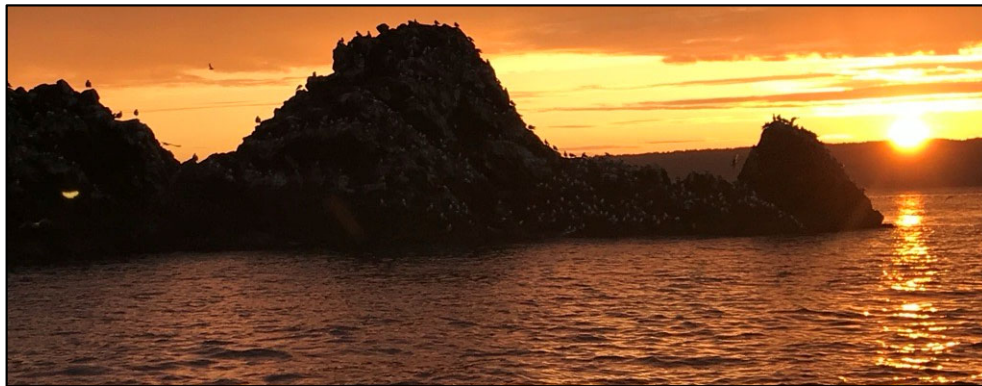
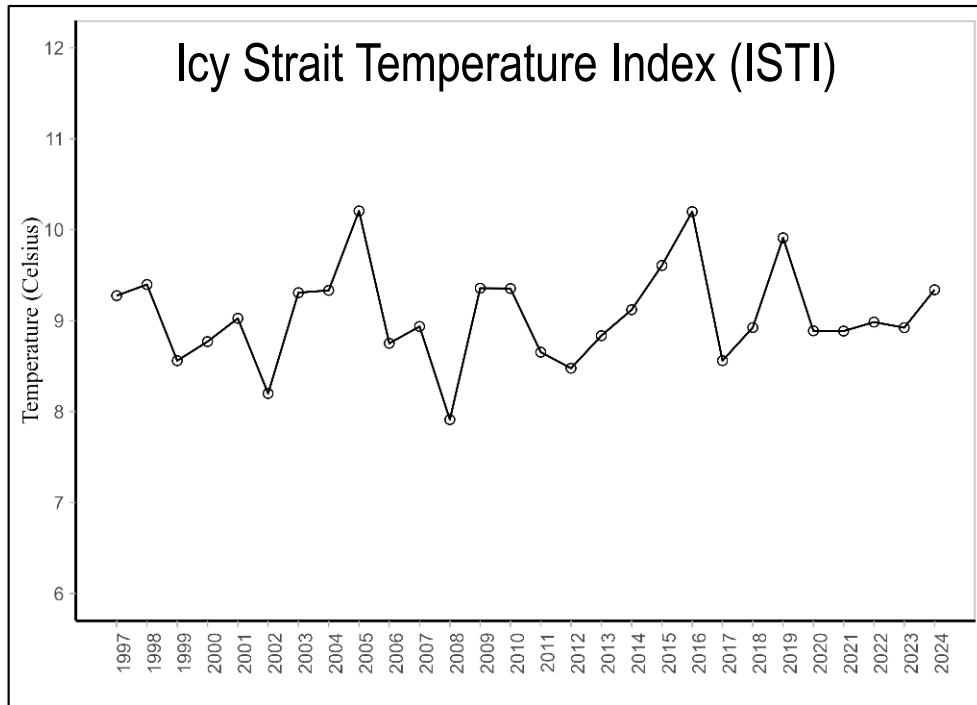
- Surveys initiated by NOAA in 1997
- Collaboration between NOAA and ADF&G since 2018



Peak CPUE (calibrated) of Juvenile Pink Salmon

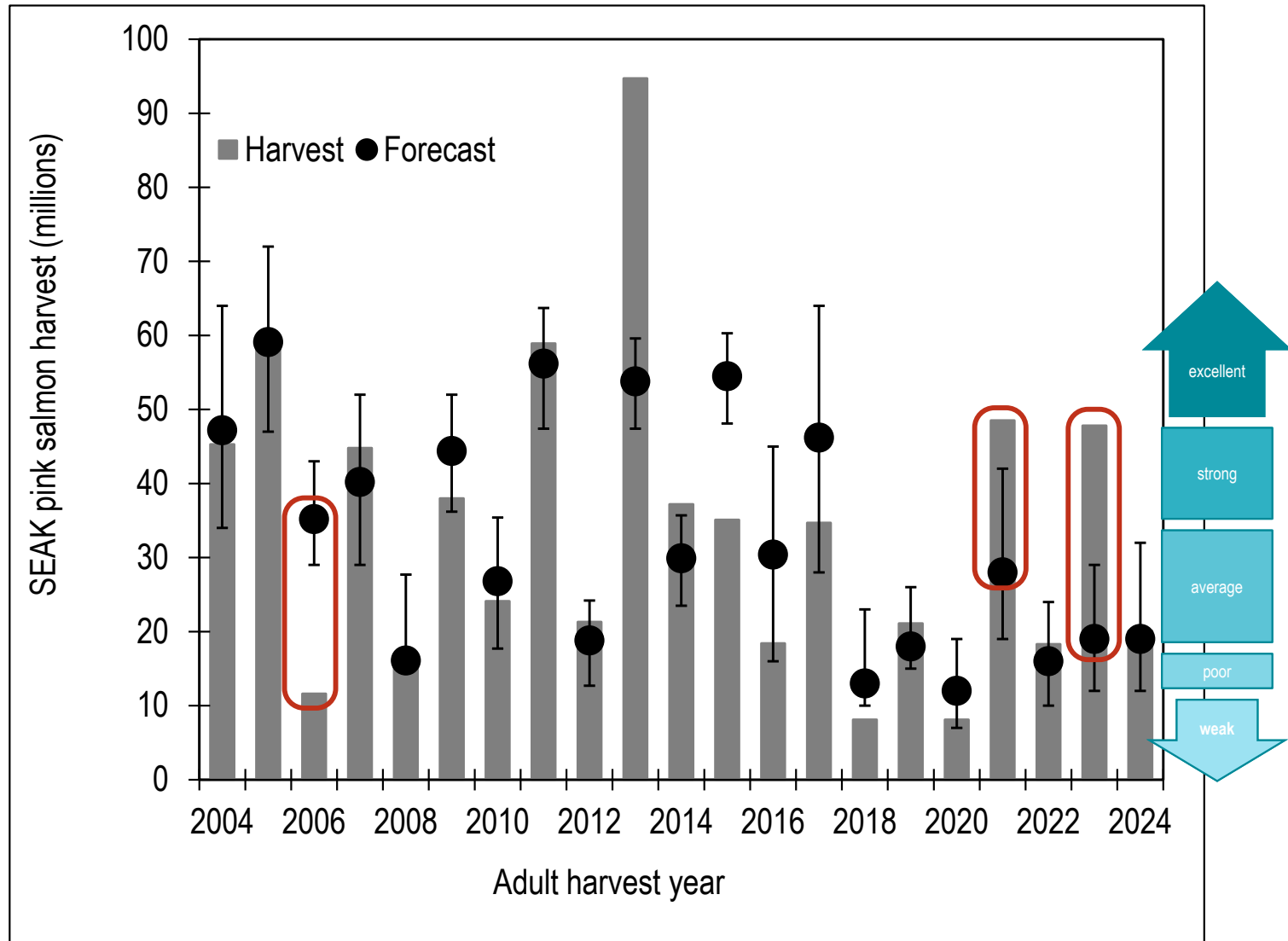


Ocean Temperatures



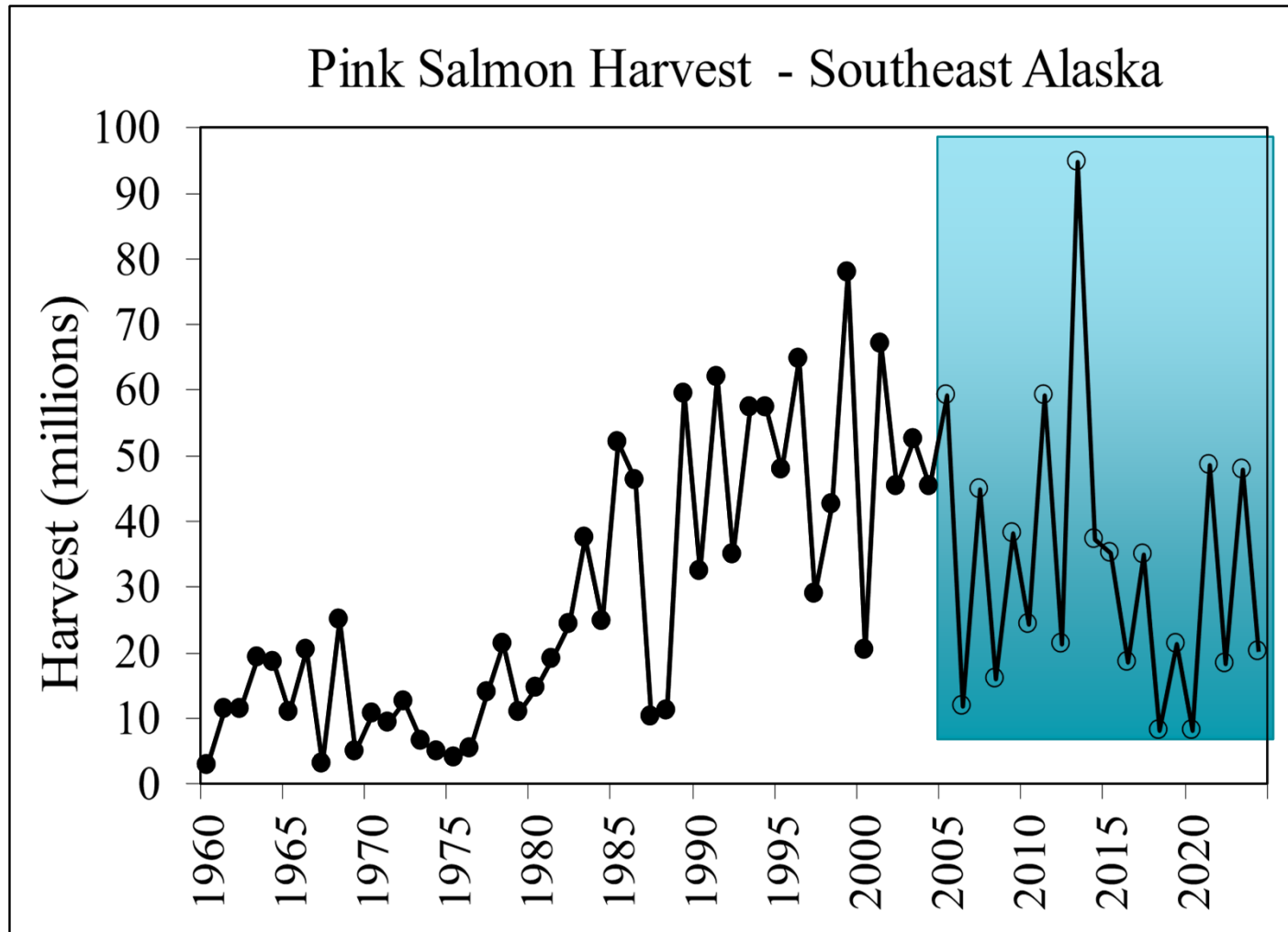
Previous Forecast Performance

- Reliably provided accurate assessment of run strength



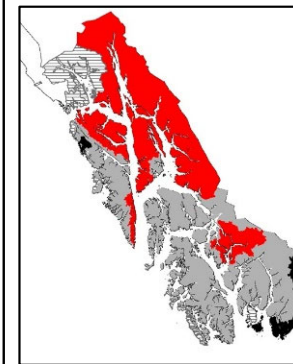
Potential source of recent error

- Odd-year dominance, especially in NSEI

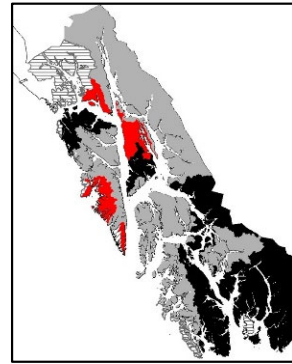


Stock Group Escapements

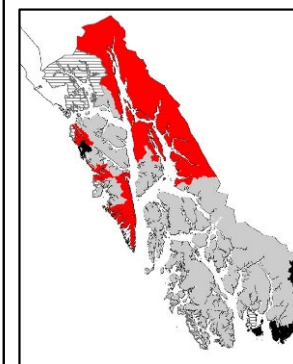
2020



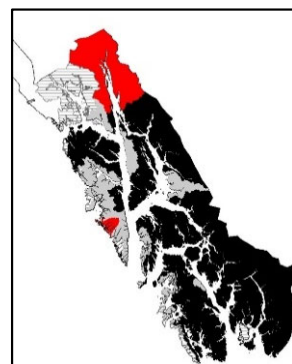
2021



2022

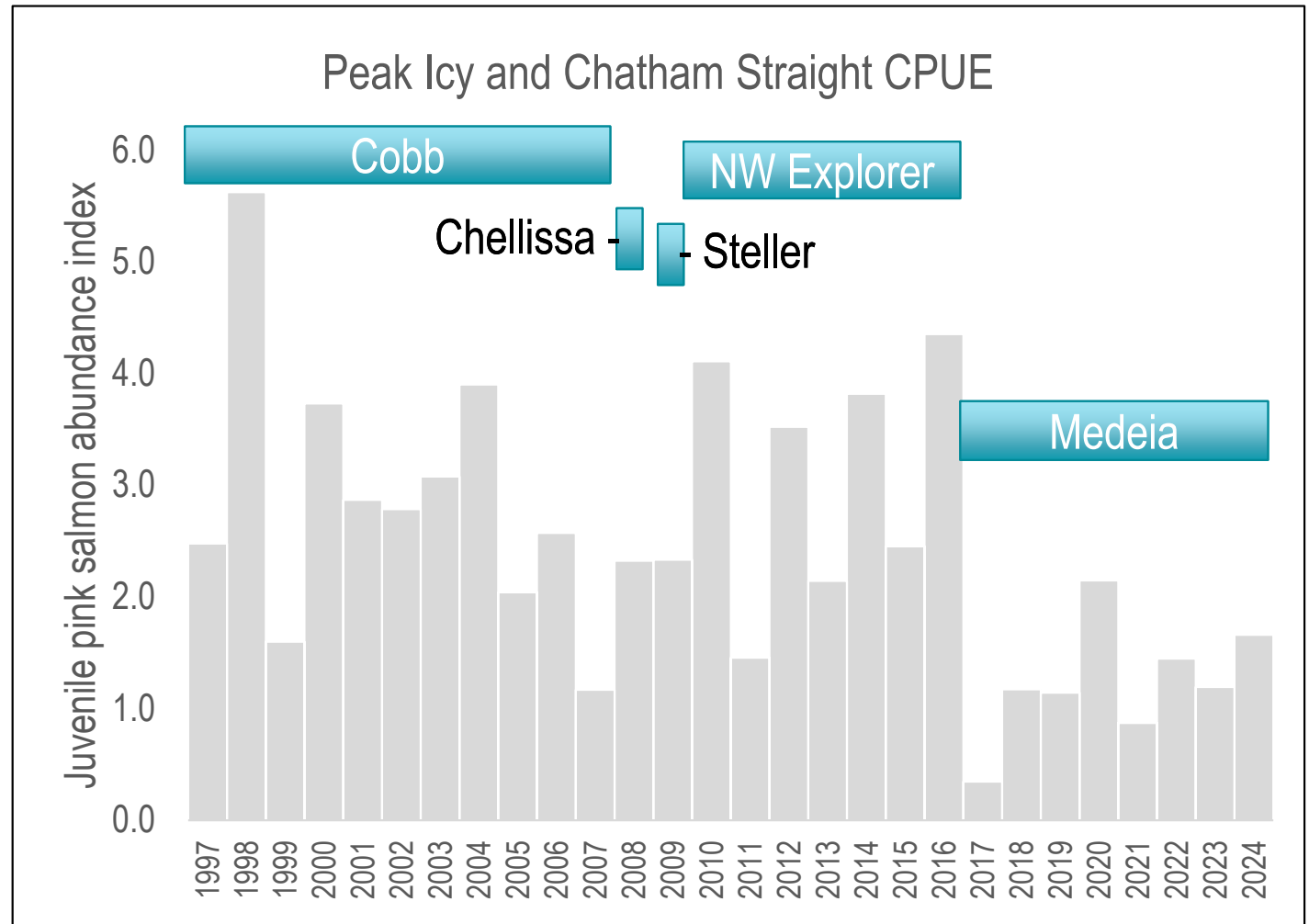


2023



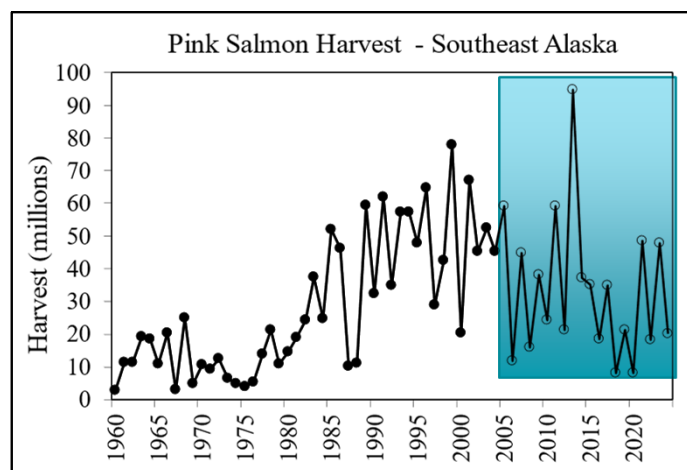
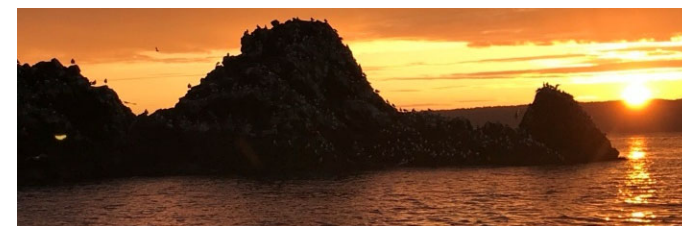
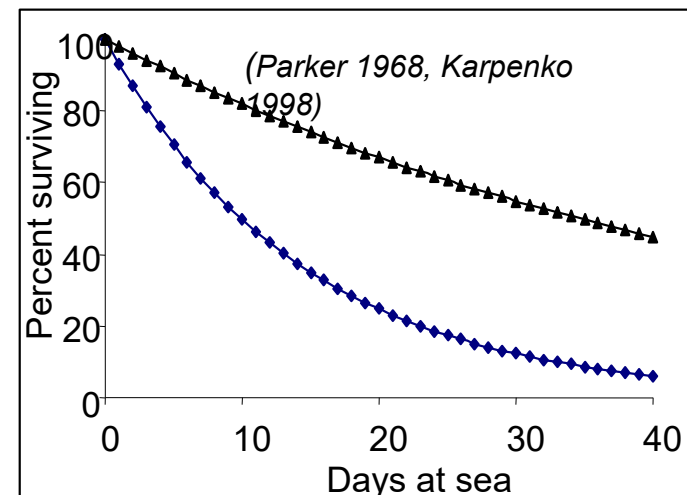
Potential source of recent error

- Vessel Calibrations



Pink Salmon Harvest Forecast Model Structure

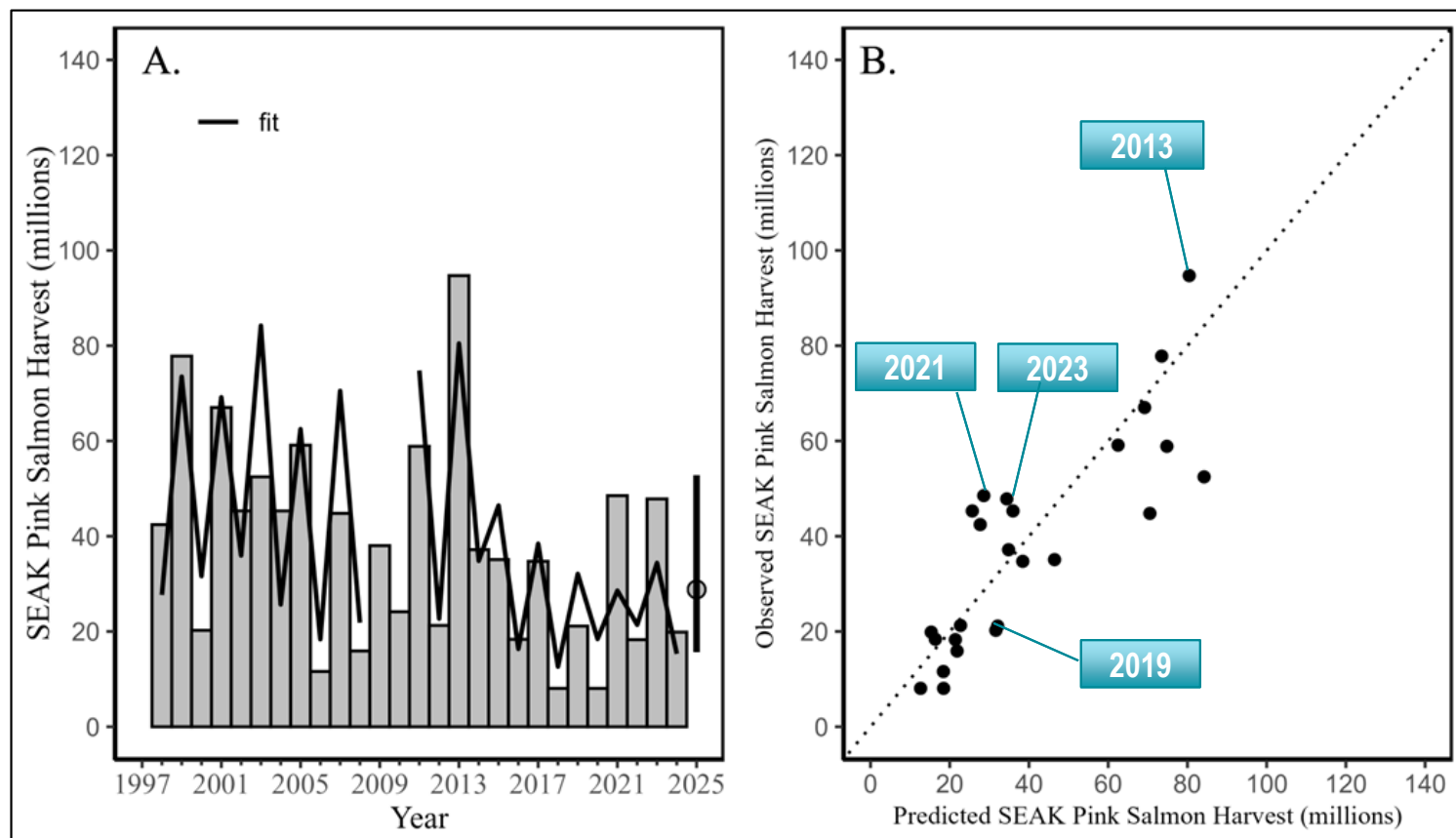
- Peak surface trawl catch rates (uncalibrated CPUE)
- Temperature Variable: ISTI or a variety of potential SST indices.
- Odd- and even-year factor to describe cyclic abundance patterns.
- Model estimated vessel-calibration coefficients.



Southeast Alaska Pink Salmon Harvest Forecast Model

2025 Forecast = 29 million (16-53 million 80% Prediction Interval)

Harvest $\sim$ Uncalibrated juvenile pink salmon CPUE + NSEI SST in May
+ odd/even year factor + model estimated vessel calibration coefficients



A believable Southeast Alaska Pink Salmon Harvest Forecast



2023 Stock Groups

October 29, 2024

Pink salmon collapse in Homer spurs call for disaster relief



by Carli Stewart in News, Alaska, Community

SHARE



'Huge disaster': Historically weak pink salmon runs strain Alaska's seine fishermen

Skipper in Prince William Sound and Kodiak say this year's pink harvest is one of the worst they've ever seen. "I wake up every morning and I try to apply for a different job," one said.

BY: MAX GRAHAM, NORTHERN JOURNAL - AUGUST 10, 2024 5:00 AM



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