

Stock Assessment and 2026 Forecast Sitka Sound, Alaska

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Data collected annually for modelling

Survey sampling

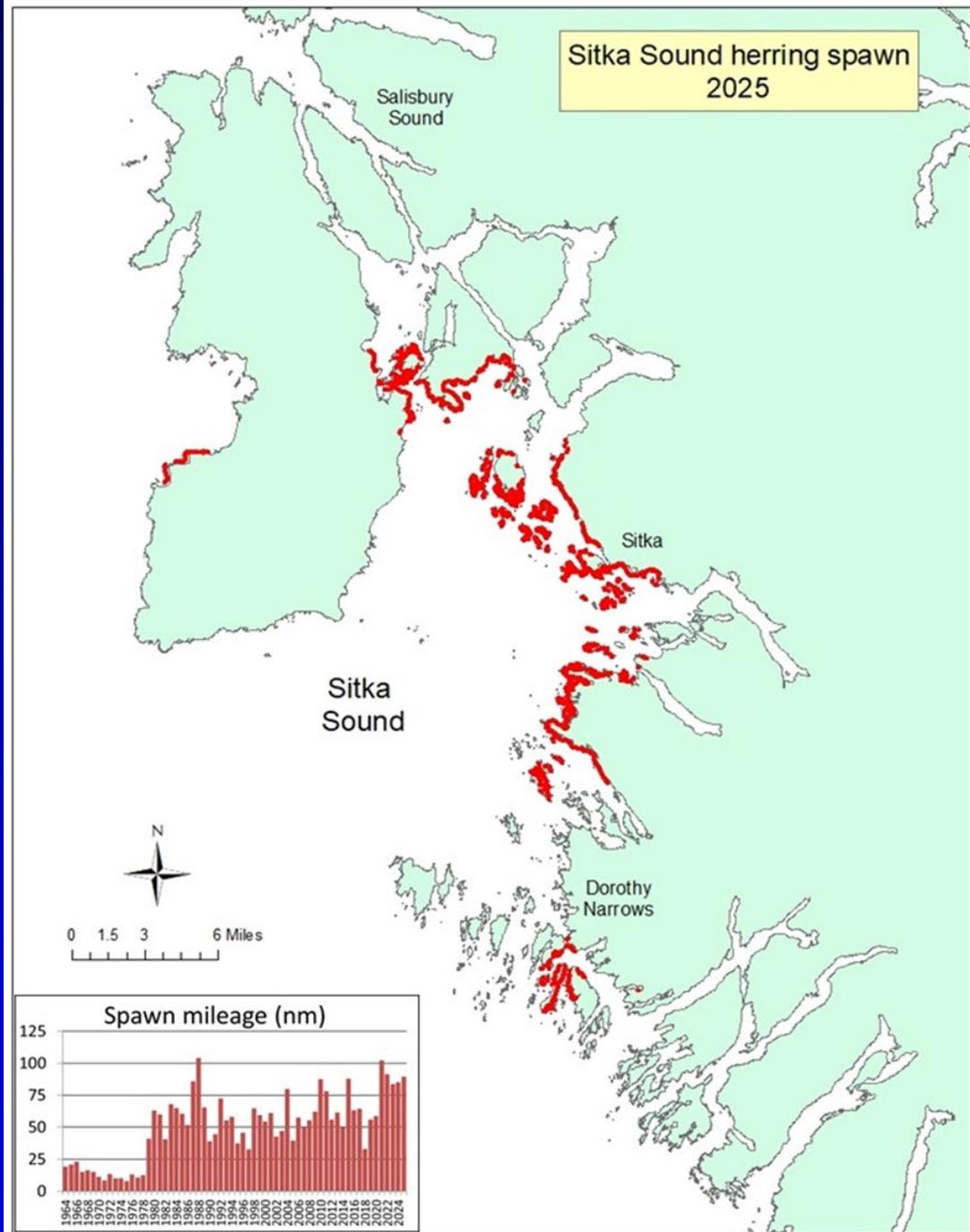
- Egg deposition (aerial and dive surveys)
- Age composition (cast net)

Fishery harvest and sampling

- Harvested biomass
- Age composition
- Weight-at-age

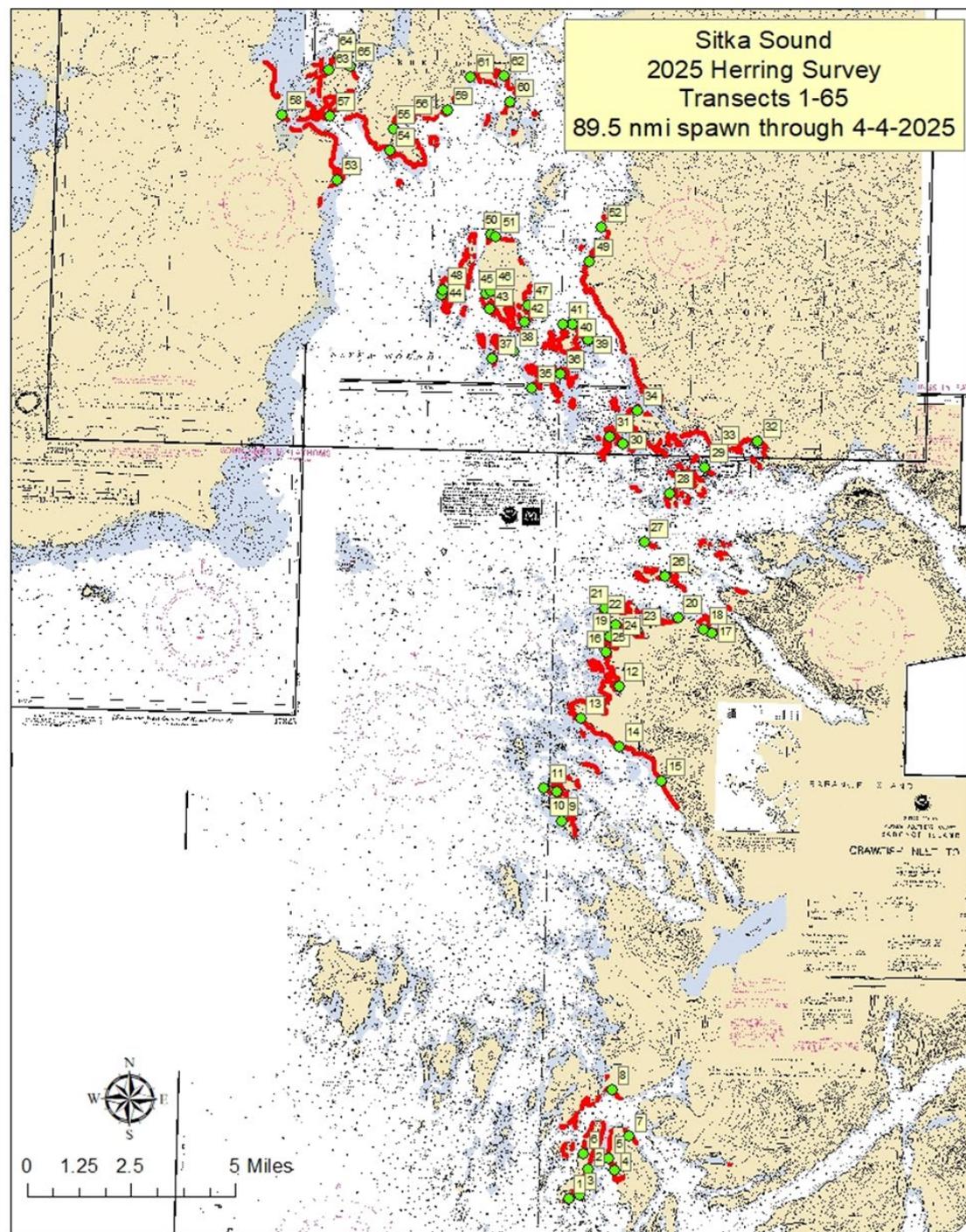
2025 aerial surveys

89.5 nmi shoreline with spawn



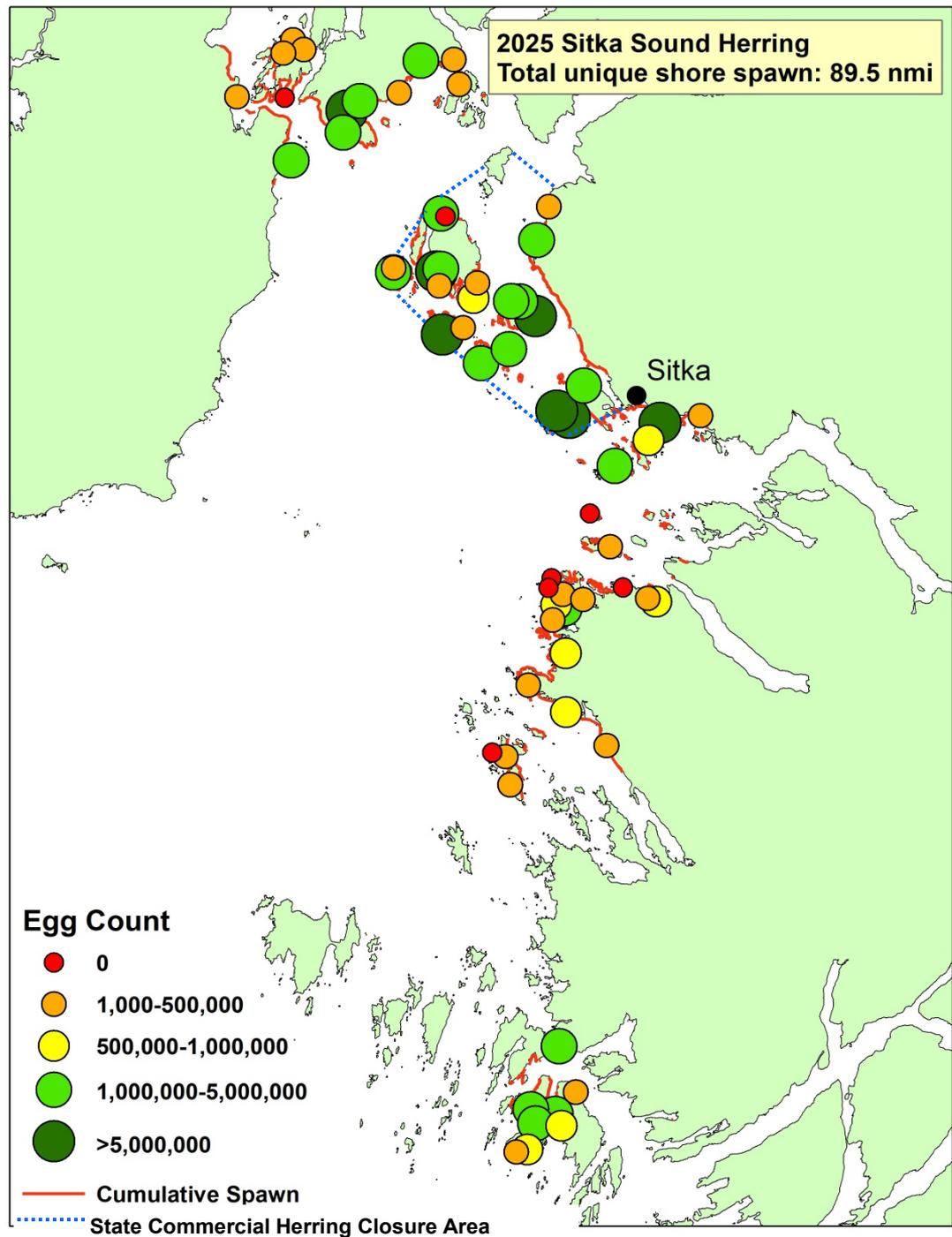
2025 Scuba dive surveys

Egg
abundance
estimated on
65 transects

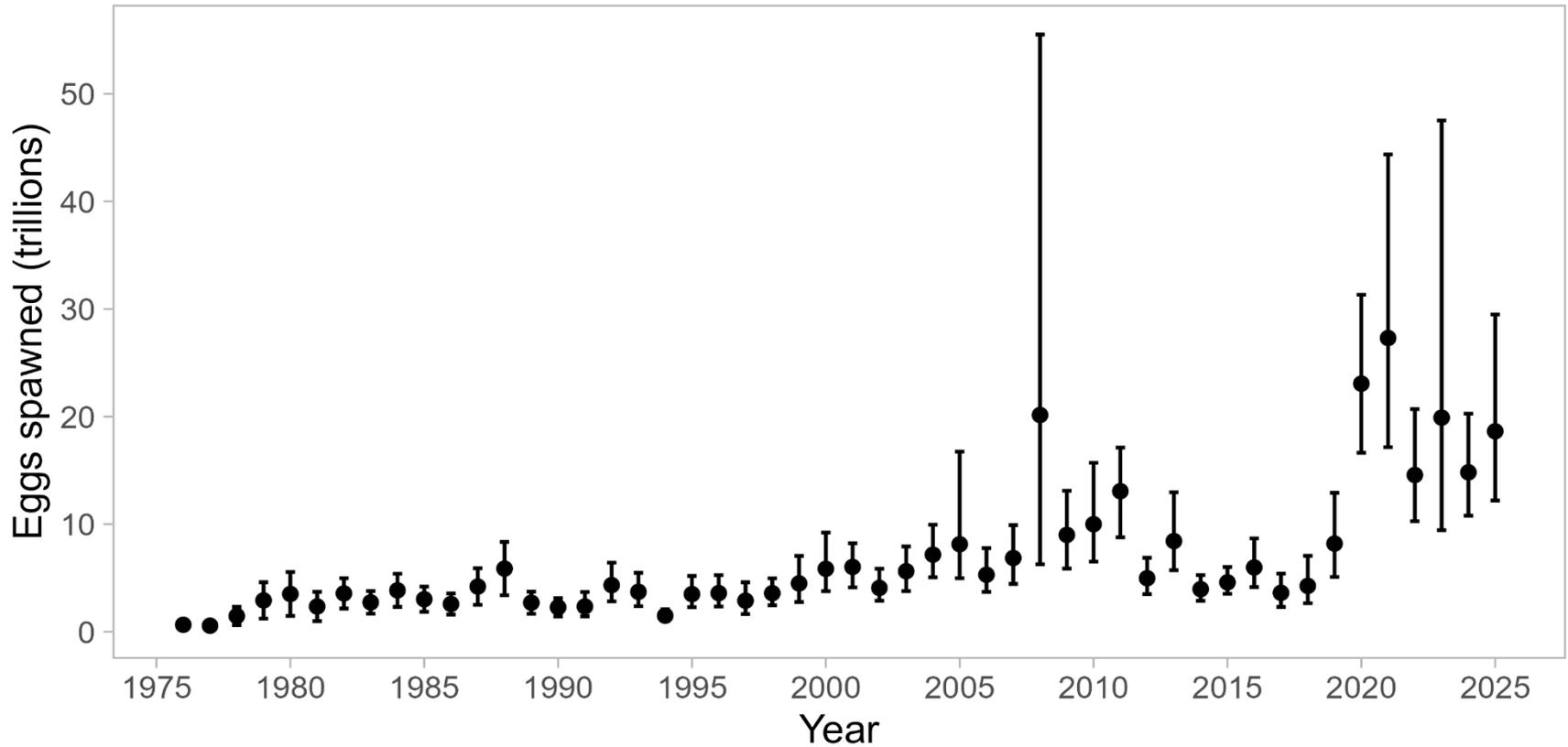


2025 Scuba dive surveys

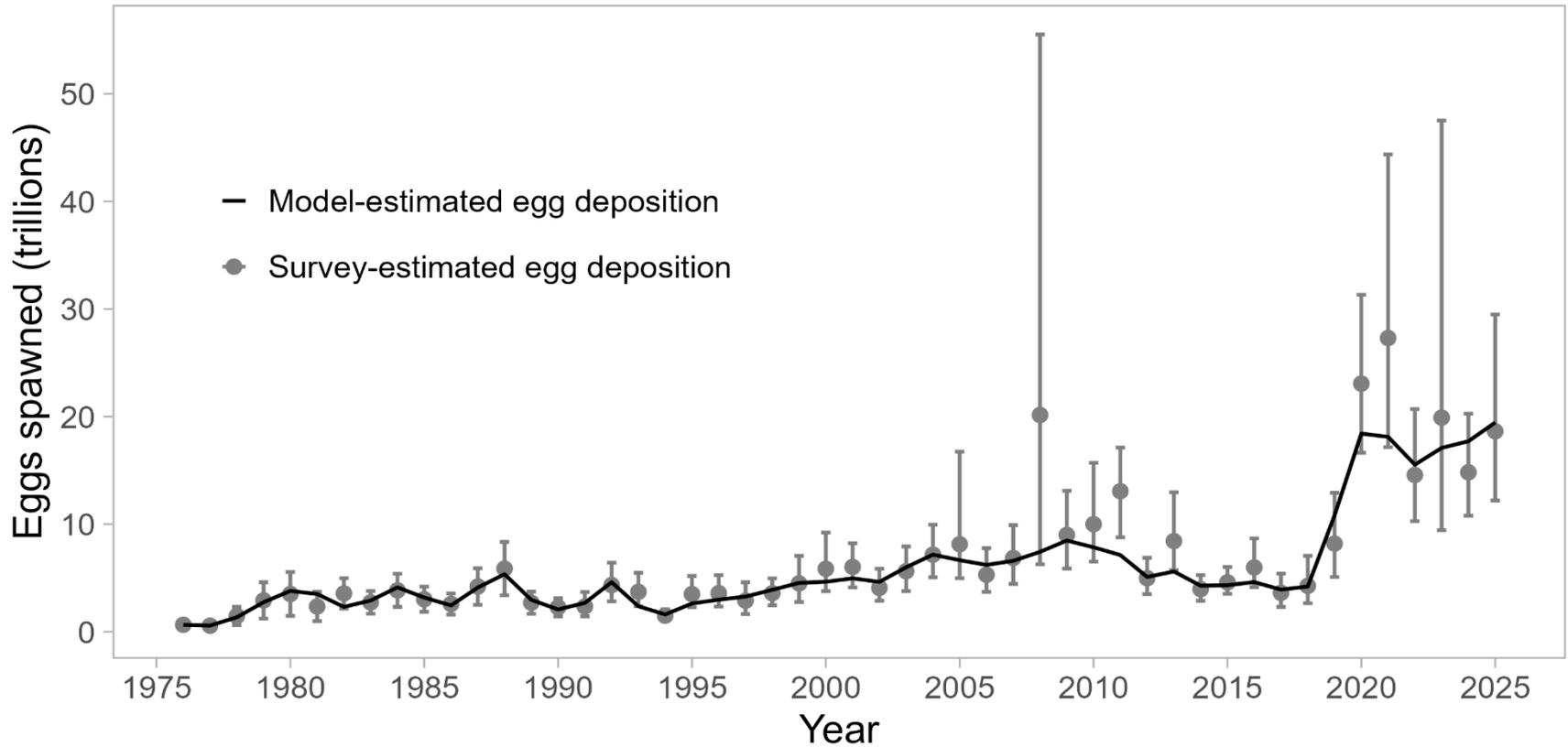
Calibrated egg counts by transect



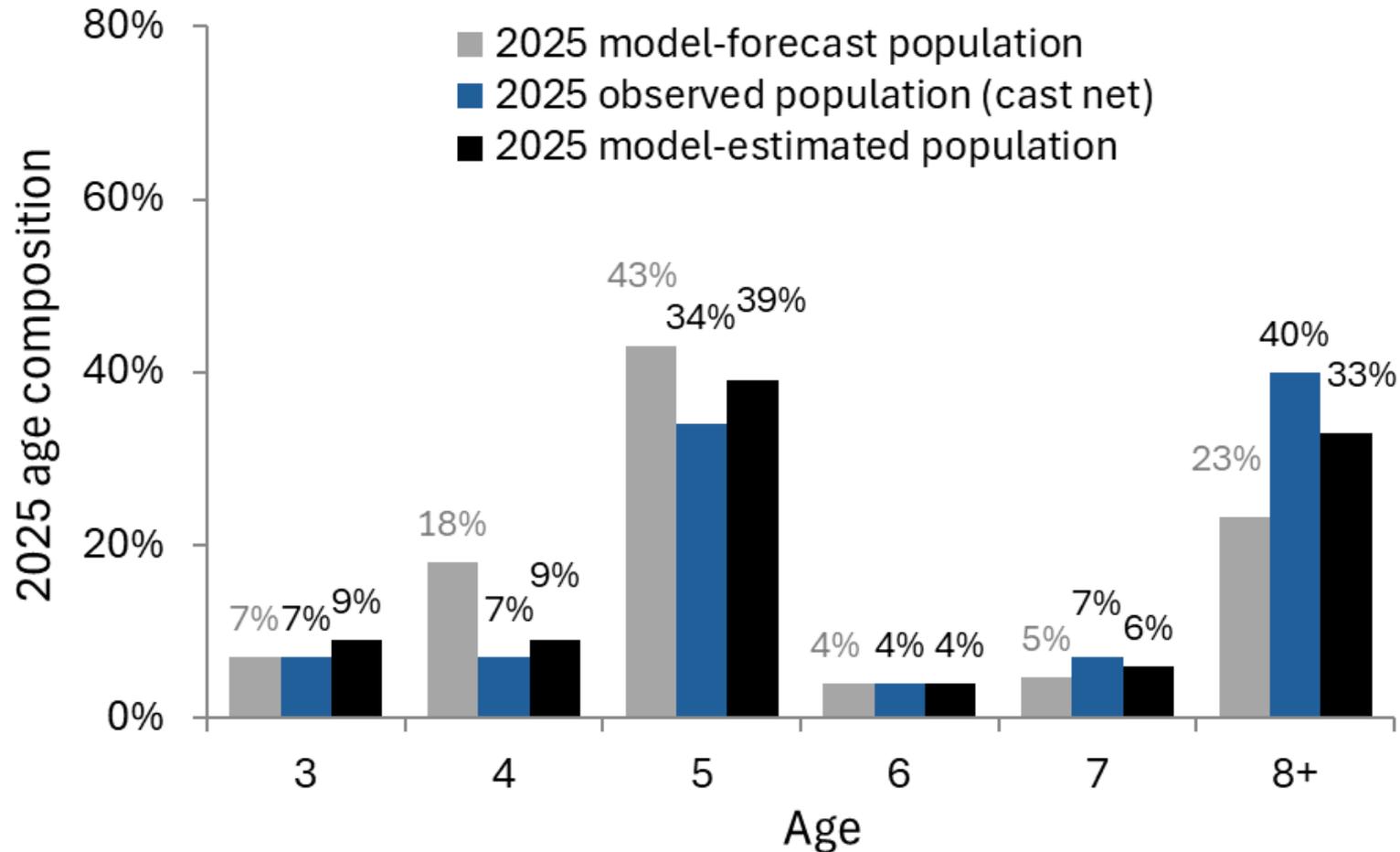
Spawn deposition survey estimates with 95% confidence intervals and model fit



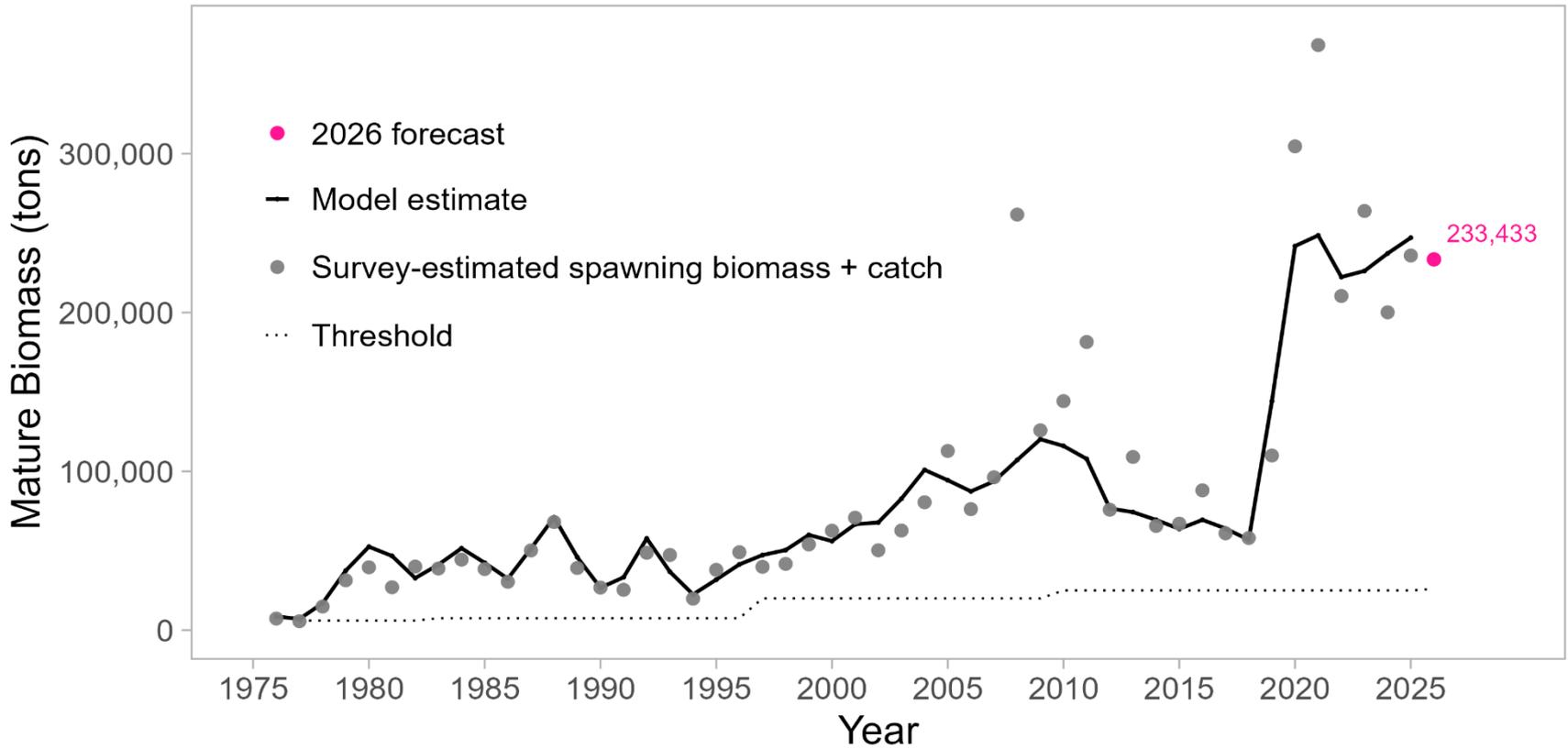
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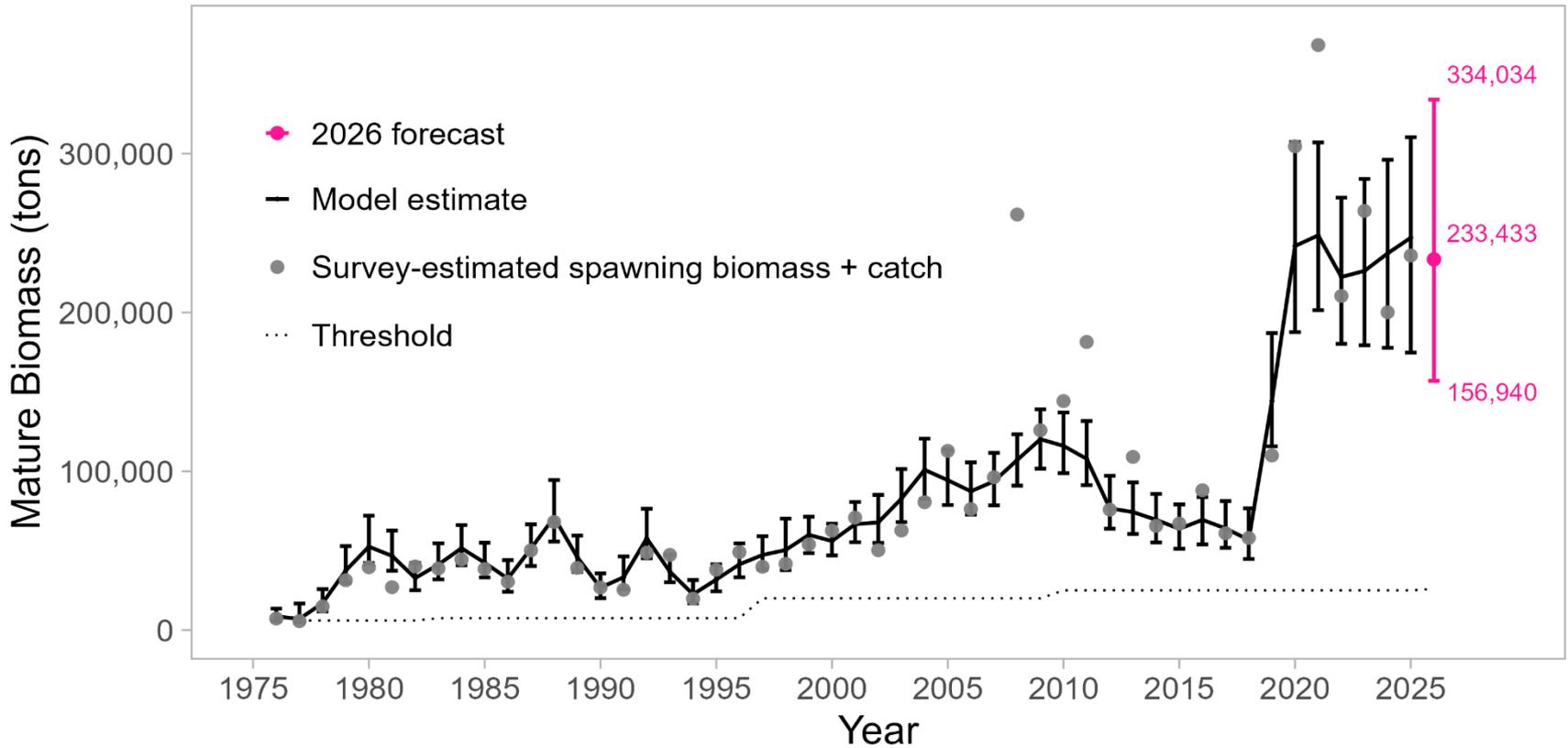
Forecasted, observed, and estimated age composition (average across individual samples)



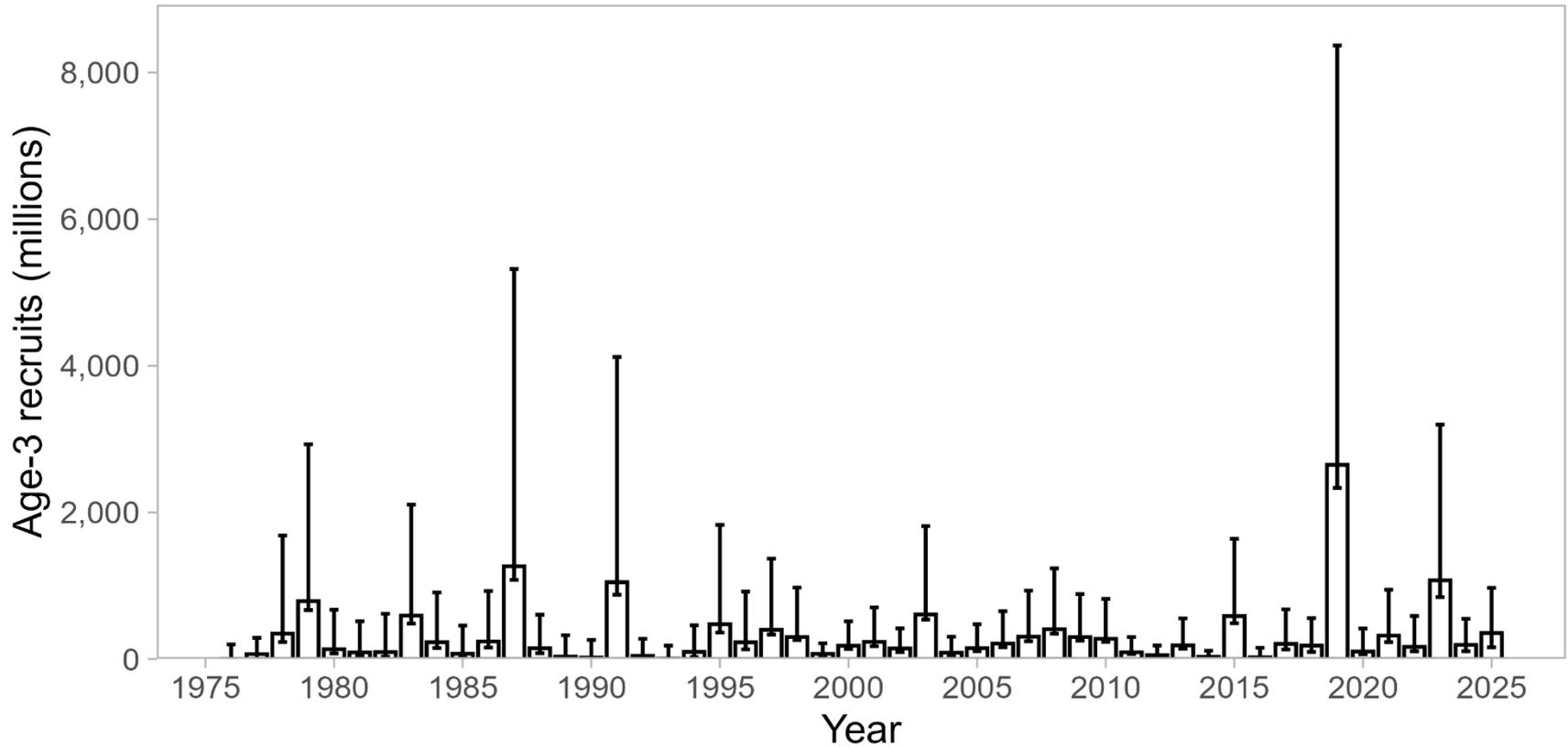
Sitka Sound mature biomass and 2026 forecast



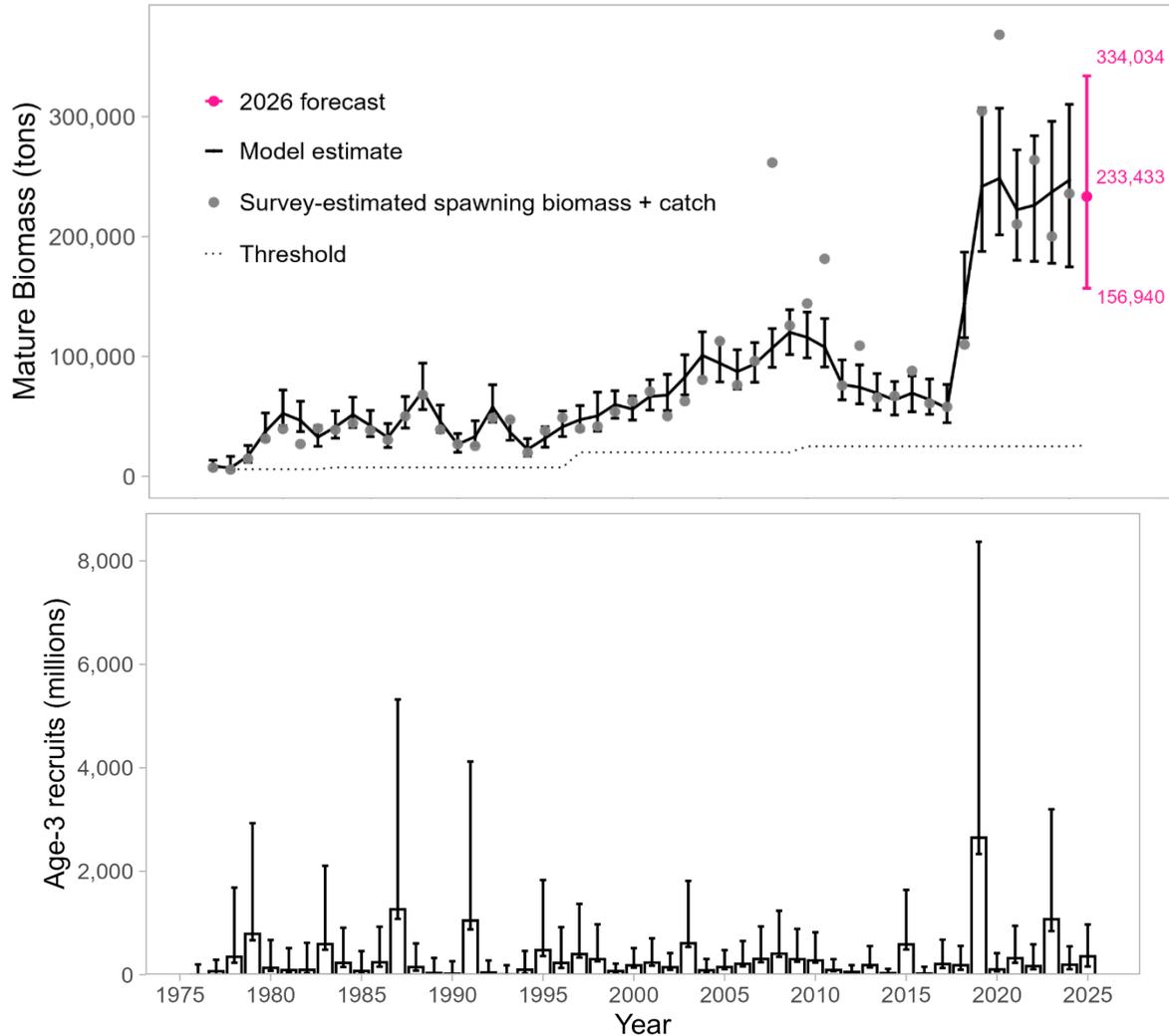
Sitka Sound mature biomass and 2026 forecast



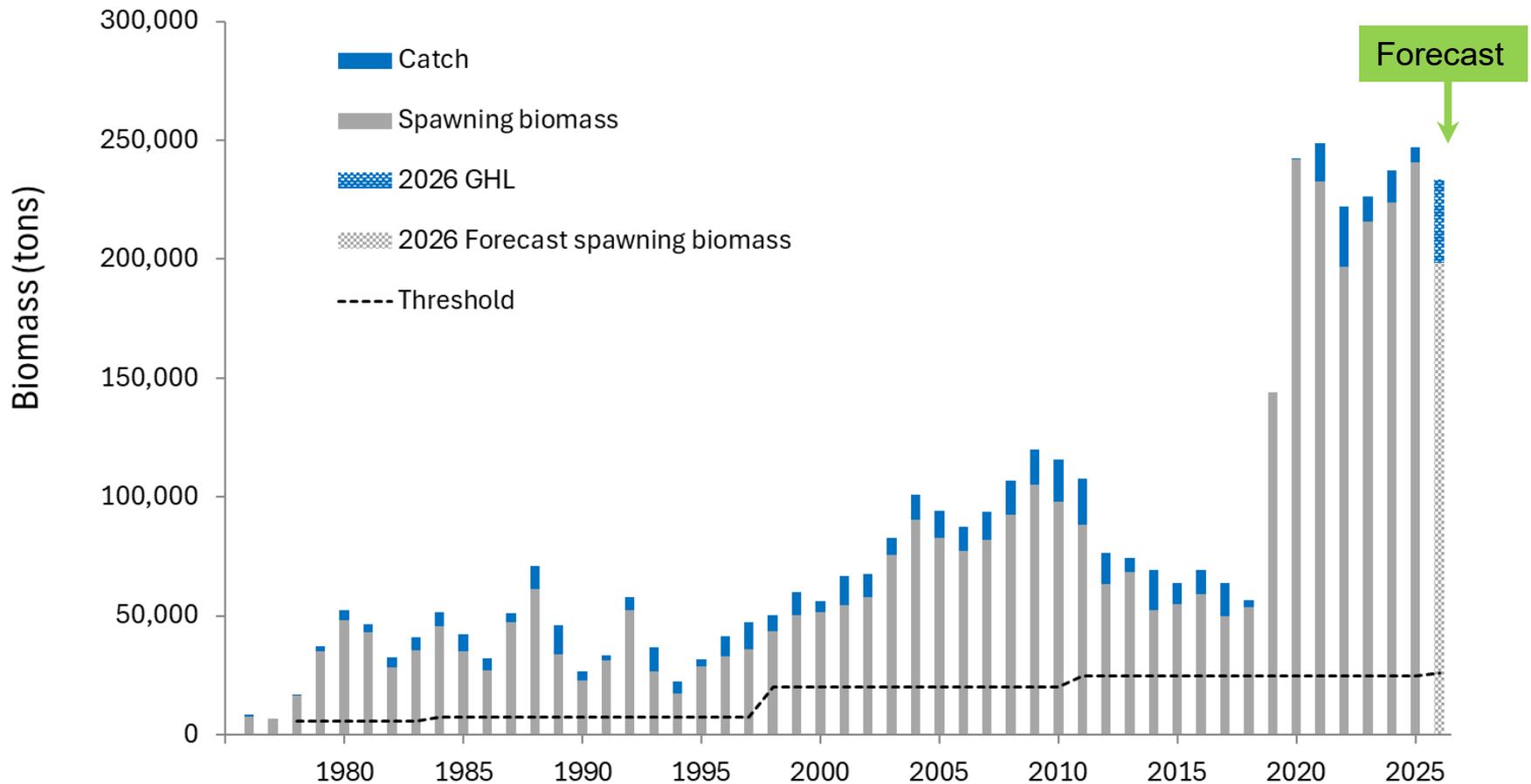
Sitka Sound recruitment (mature and immature age-3 fish)



Sitka Sound mature biomass and 2026 forecast



Sitka Sound spawning biomass and harvest (2026 is forecasted biomass and GHL)

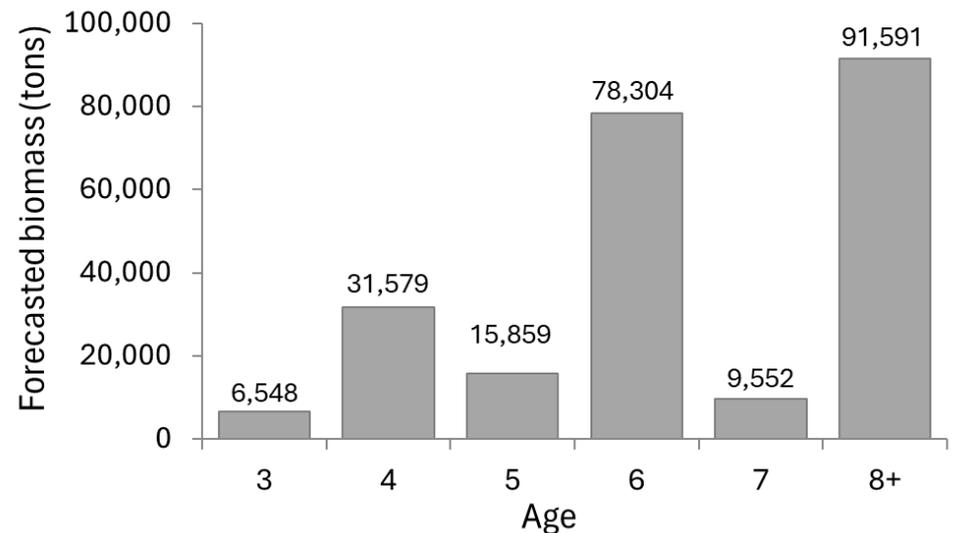
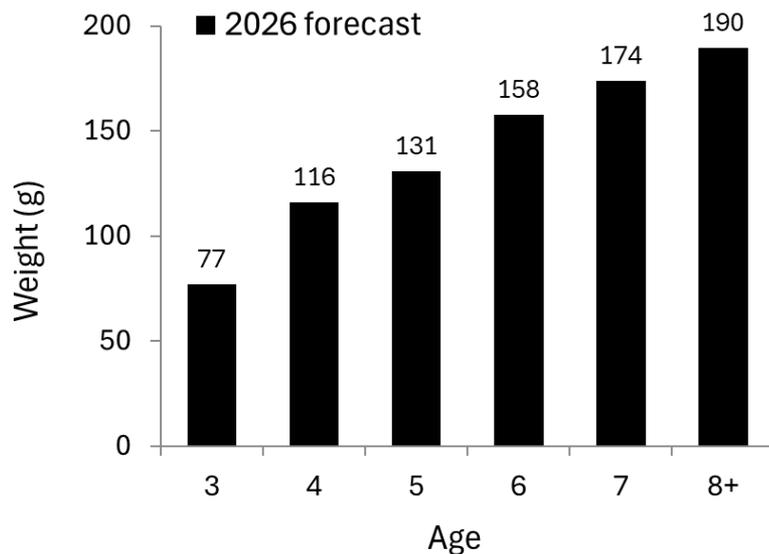


2026 forecast biomass and weight at age

2026 Forecast = 233,433 tons

GHL = 35,015 tons

Forecast average weight = 156 grams



2026-forecast weight at age based on 2025 spring commercial purse seine samples

Acknowledgements



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