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Science Center Activities

Sep 21, 2024

Craig Russell and Kristin Marshall
Northwest Fisheries Science Center



Overview

- Surveys Updates
- Integrated West Coast Pelagics Survey update
- Sablefish MSE Update

Surveys Updates

2024 Groundfish Survey Underway

Pass 1 - Complete

- Special thanks to captain and crew of fishing vessels F/V Excalibur and F/V Last Straw.

Pass 2 - Underway -

- F/V Ms. Julie and F/V Noah's Ark
- Survey (US CAN to US Mex): Aug 17 - Oct 15
- Demobilization (Newport, OR): Oct 21-22

2024 S. CA Rockfish Hook & Line Survey

- Sampling: Sept 18 - Oct 4
- Vessels - Toronado, Mirage and Aggressor



Integrated West Coast Pelagics Survey Update

- Integrated Survey starting in 2025
- Recent Multi-Function Trawl (MFT) System Sea Trials
 - *Lasker* - MFT sea trials and incorporation in CPS Survey
 - *Shimada* - sea trials and net comparison testing of MFT with Aleutian Wing Trawl (AWT) with CCGS *Franklin*
 - Post-comparison analysis underway, expected to be ready for December Hake Treaty Joint Technical Committee

Integrated West Coast Pelagics Survey Update

- All-Virtual Outreach Event held Sep 6
- Upcoming Public Outreach Events (Pacific Time)
 - Pre-Council November Date TBA, 2024 - Virtual/All-Online
 - More to be scheduled...
- Virtual with some events hybrid/in-person as possible.

Integrated West Coast Pelagics Survey Update

Contact information, email sign up, and more:

[Integrated West Coast Pelagics Survey | NOAA Fisheries](#)

or scan the QR code



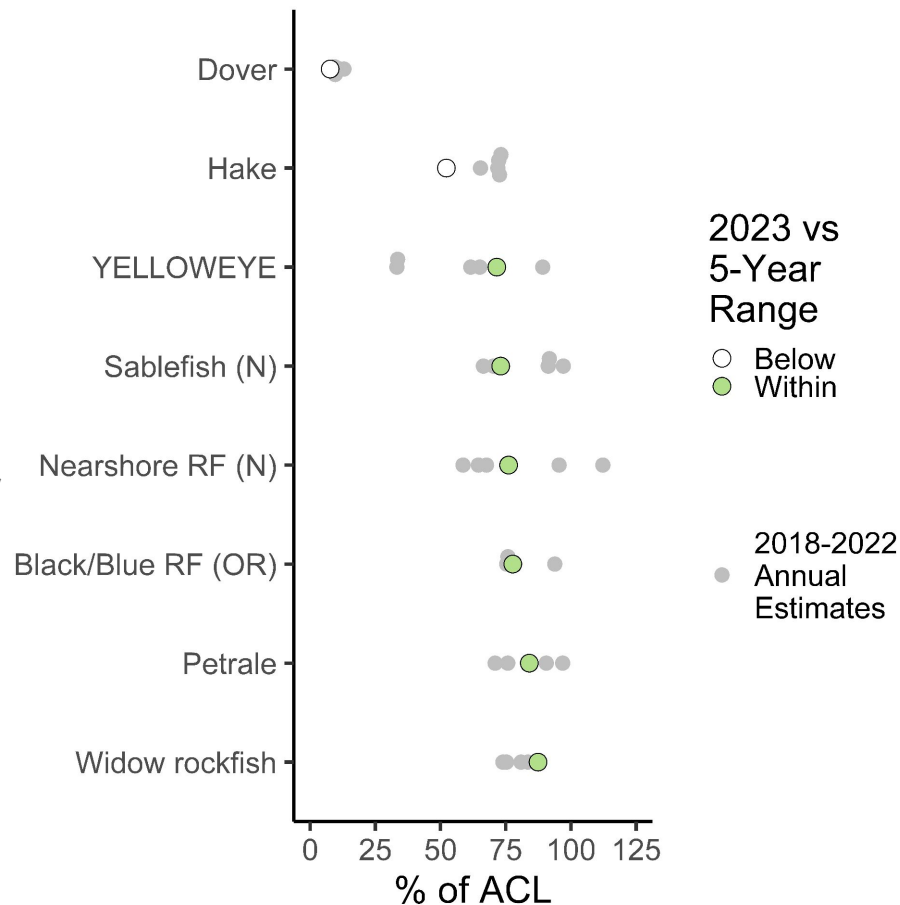
Estimated Discard and Catch of Groundfish Species in the 2023 U.S. West Coast Fisheries

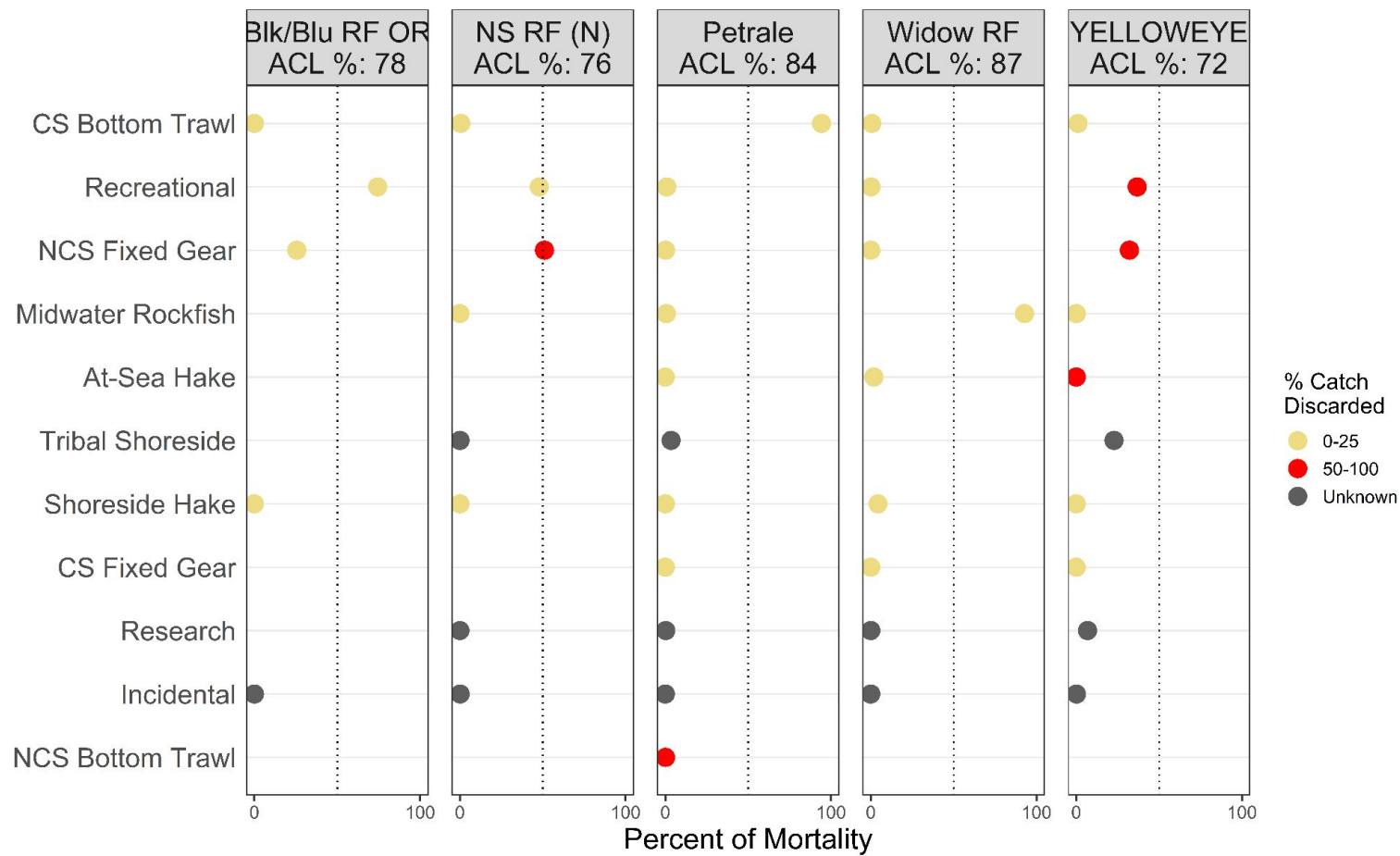
Kayleigh A. Somers, Kate Richerson, Vanessa Tuttle, Jon McVeigh

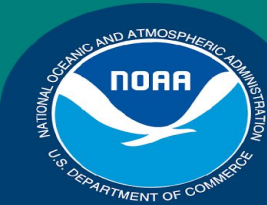


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Attainment of highly targeted and/or retained species and species of concern was mostly within the range of the previous 5 years, except Dover sole and Pacific hake which were lower than the 5 year range.







A Transboundary Management Strategy Evaluation of Northeast Pacific Sablefish

Maia S. Kapur¹, Melissa A. Haltuch¹, Brendan
Connors², Aaron Berger³, Kendra Holt², Kristin
Marshall³, A. E. Punt³

¹NOAA-Fisheries, AFSC, USA

²Department of Fisheries and Oceans, Canada

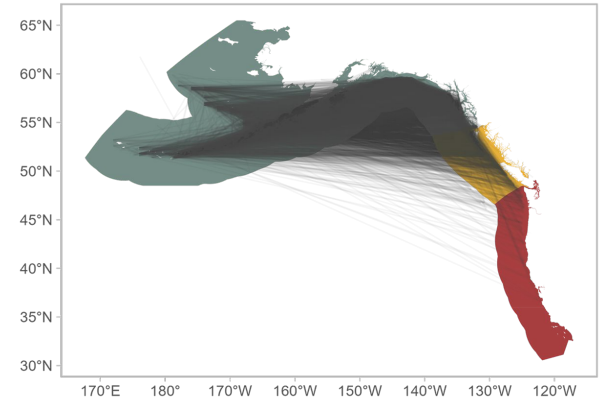
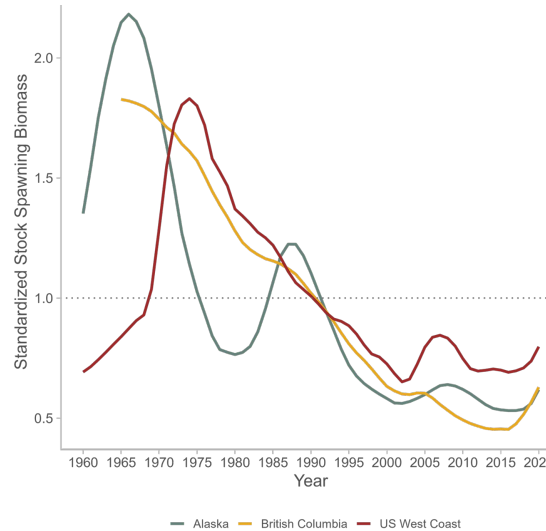
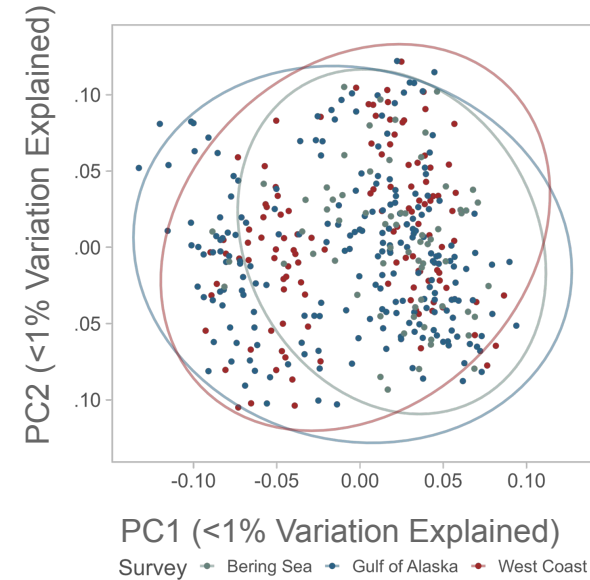
³NOAA-Fisheries, NWFSC, USA

⁴University of Washington, USA

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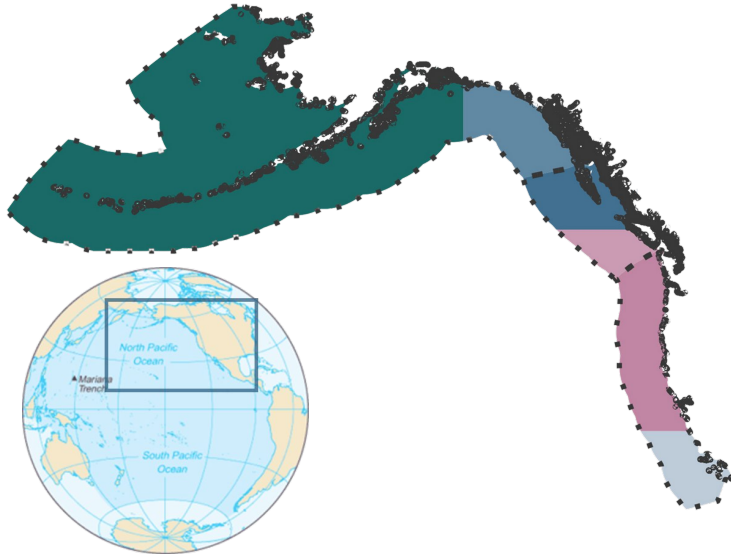


Sablefish: mixed population, concurrent declines





Transboundary MSE



Study Domain

- Multiple assessment configurations vs. novel stock structure hypothesis
- HCRs as-is
- Stakeholder participation in 2021



Sablefish Stakeholder Workshop

- Biological and economic objectives and performance metrics
- Recommended priorities for Phase II work: economic and environmental considerations, within region spatial allocations



Major Findings

- Rangewide contrast in outcomes
 - Alaska protected by scale, large recruitment events, but **intra-regional dynamics complex**
 - BC protected by conservative HCR & immigrants
 - US West Coast S of 36* **vulnerable** due to movement & reproductive isolation
- Business-as-usual did not result in falling below biomass targets **in any region @ 25 year time horizon**
 - US West Coast S of 36* $P(B > 0.25B_0) = 0.36$



Next Steps and Limitations

- Absence of **tagging and age data** south of 36* makes movement rates uncertain
- **Recruitment-climate interactions** might alter projection regimes
- Software can be used to test economic and other outcomes



Potential Management Implications for US West Coast Sablefish

- Support for having a latitudinal management break
- Support for area-specific ACLs
- More tagging studies along US West Coast and more age data south of 36* could better resolve the degree of isolation of that portion of the population



Selected References

Fenske, K.H., Berger, A.M., Connors, B., Cope, J.M., Cox, S.P., Haltuch, M.A., Hanselman, D.H., Kapur, M., Lacko, L., Lunsford, C., Rodgveller, C., Williams, B., 2019. Report on the 2018 International Sablefish Workshop (No. NFMS-AFSC-387). US Department of Commerce, National Marine Fisheries Service, Juneau, AK.

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Kapur, M.S., Haltuch, M., Connors, B., Rogers, L., Berger, A., Koontz, E., Cope, J., Echave, K., Fenske, K., Hanselman, D., Punt, A.E., 2020. Oceanographic features delineate growth zonation in Northeast Pacific sablefish. *Fisheries Research* 222. <https://doi.org/10.1016/j.fishres.2019.105414>

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Questions?

Craig.Russell@noaa.gov

Kristin.Marshall@noaa.gov



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