

Science Center Activities

November 4, 2022

Craig Russell Northwest Fisheries Science Center









Overview

- Surveys Update
- Salmon Bycatch Report



Surveys Update



2022 Groundfish Survey Completed On Schedule

- Sampling ended Oct. 21 in Long Beach, CA
- COVID recurrence did not occur during Pass 2
- F/V Excalibur and F/V Noah's Ark returned to Newport, OR following departure of survey scientists





2022 West Coast Groundfish Bottom Trawl Survey

- Demobilization of the F/V
 Excalibur and F/V Noah's Ark in Newport, OR
- Nets delivered to Bainbridge Island, WA and gear offloaded Nov. 3 at Sand Pt. in Seattle





2022 Southern California Rockfish Hook and Line Survey Completed



Departure Sept. 18 Oxnard, CA

- Two 7-day legs (Sept. 19Oct. 6)
- Demobilization Oct. 7 in Long Beach, CA
- 3 chartered vessels: Mirage, Toronado, Aggressor
- Successfully sampled200 of 201 fixed sites

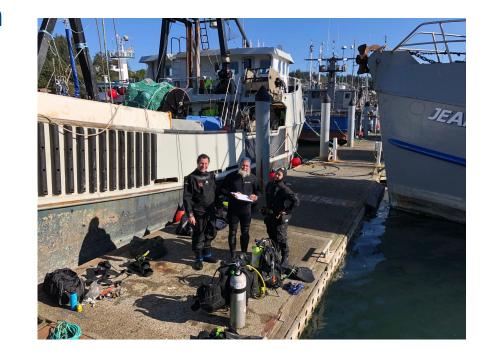


Phillip Bizzell - Cowcod 2022



Planned 2023 Surveys

- 2023 West Coast Groundfish Bottom Trawl Survey (May-Oct.)
- 2023 Southern California Rockfish Hook and Line Survey (Sept.-Oct.)
- 2023 Joint US-Canada Integrated Ecosystem and Pacific Hake Survey





Salmon bycatch in groundfish fisheries

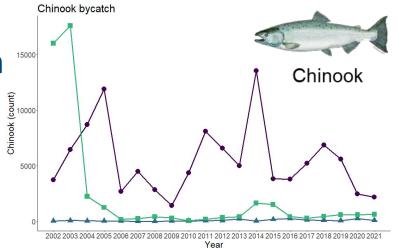
Kate Richerson

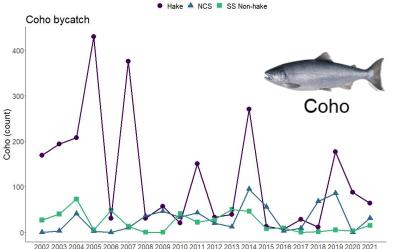
Northwest Fisheries Science Center



Chinook and coho bycatch

- For both species, bycatch is within range of previous years
- Chinook bycatch in hake sectors is the lowest since 2009





Hake = At-sea catcher processors, at-sea mothership catcher-vessels, shoreside processors

NCS = Non-catch shares exempted fishing permits, sablefish primary, nearshore, OA CA halibut, pink shrimp, OA hook & line

SS Non-hake =
Shoreside LE & CS
bottom trawl, CS
fixed gear, CS
midwater rockfish,
LE CA halibut



Questions?



Supplemental Detailed Survey Slides



2022 West Coast Groundfish Bottom Trawl

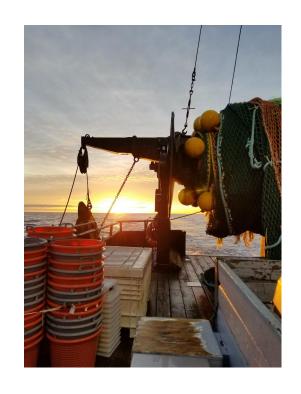
Survey

Cornerstone, long-term time series for 90+ species and California Current Ecosystem.

• 23rd year in time series

Full-four vessel Survey:

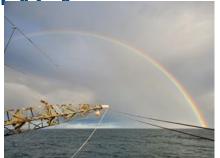
 Two passes, two chartered vessels each, from Cape Flattery to US-Mexico border.





2022 West Coast Groundfish Bottom Trawl

Survey



Leg 1 2021



Mobilization 2021

- Pass 1: May 16 July 26, 2022
 - F/V Ms. Julie, F/V Last Straw (Pass 1)
- Pass 2; Aug. 22 Oct 28, 2022
 - F/V Excalibur, F/V Noah's Ark (Pass
 2)
- 4 Legs (11-12 days each) per Pass
- 752 stations (376 per Pass)
- 188 sea-days



2022 Southern California Rockfish Hook and Line Survey



Cowcod 2021

- Southern CA Bight
- 18th year in time series
- Ongoing partnership: NWFSC, PSMFC, and sportfishing industry
- 3 chartered sportfishing vessels



Rockfish Descender



2022 CCE Hake Ecology and Survey Methods Research cruise in support of the Hake/Whiting Treaty

- 2022 is a non-survey year for hake
 - Research focus
 - NWFSC 30 days on Shimada; DFO 21 days on Franklin, mid-late Summer 2022

• Main objectives:

- Complete an Inter-Vessel Calibration (IVC) between Shimada and Franklin
- EK80 research (use new system to understand fish acoustic properties) (Shimada and Franklin)
- Hake-mesopelagic interactions (*Franklin*)
- Hake mix & rockfish/habitat
 NOAA characterization (Shimada)





2022 CCE Hake Ecology and Survey Methods Research project in support of the Hake/Whiting Treaty

- Completed Inter-Vessel Comparison of Shimada and Franklin acoustics data
- Fully implemented SASSI stereo camera into trawling operations
- Surveyed 3 small research areas of hake and rockfish aggregations off OR and WA (acoustics, trawling, eDNA)
- Conducted full suite of sampling along Newport Hydrographic Line
- Net comparison test trawls on krill aggregations



CCGS Sir John Franklin

