



**NOAA**  
**FISHERIES**

Agenda Item I.1  
Supplemental NWFSC Presentation  
November 2024

# Science Center Activities

November 17, 2024

Craig Russell  
Northwest Fisheries Science Center

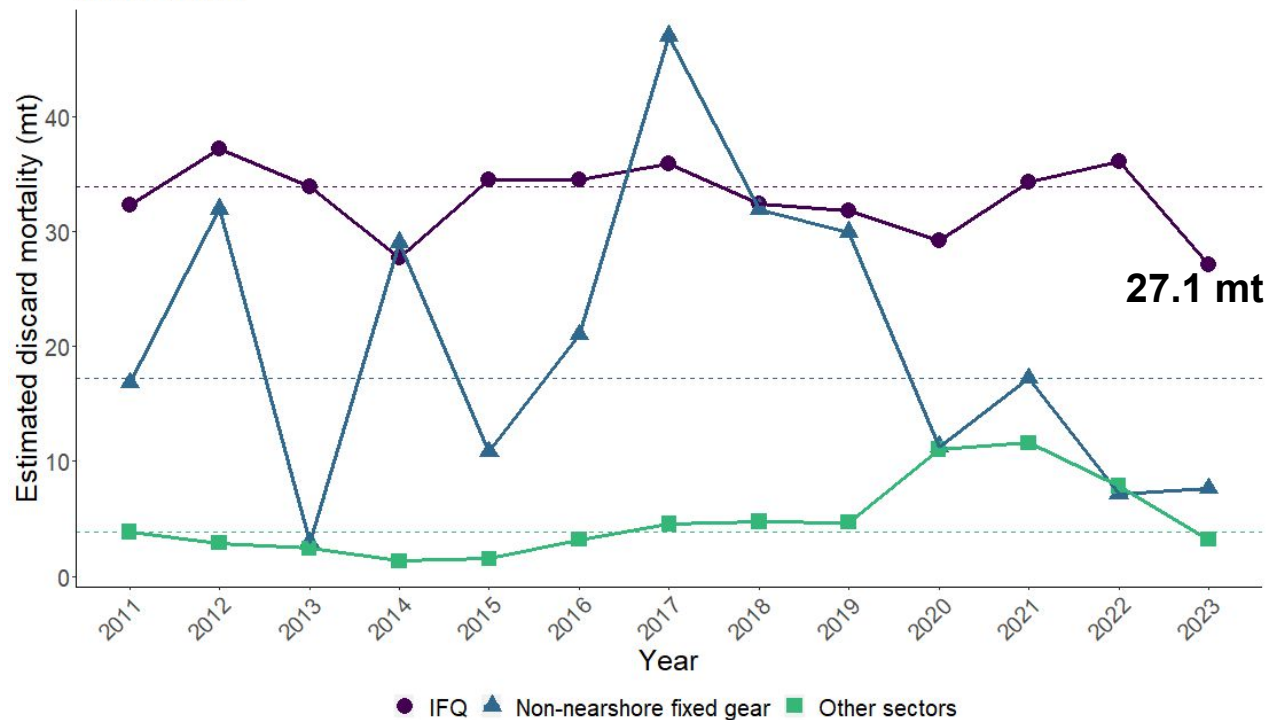


# Overview

- Pacific halibut bycatch and Salmon bycatch reports
- Surveys Update

# Pacific halibut bycatch, 2002-2023

Estimated Pacific halibut discard mortality,  
2011-2023

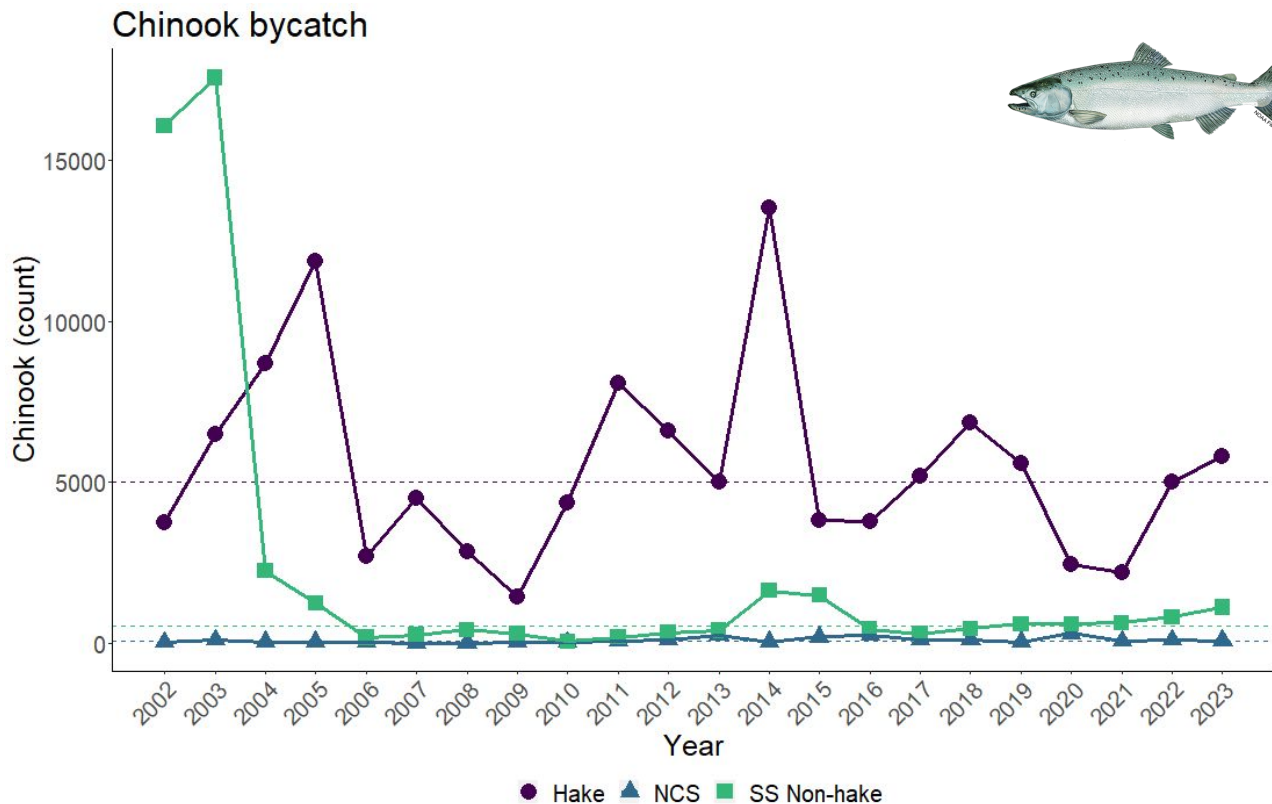


**IFQ** = IFQ bottom trawl,  
midwater trawl, fixed  
gear

**Non-nearshore fixed  
gear** = LE sablefish  
endorsed, LE sablefish  
non-endorsed,  
non-nearshore OA

**Other sectors** = At-sea  
hake, nearshore, directed  
P. halibut, CA halibut, pink  
shrimp

# Salmon bycatch, 2002-2023



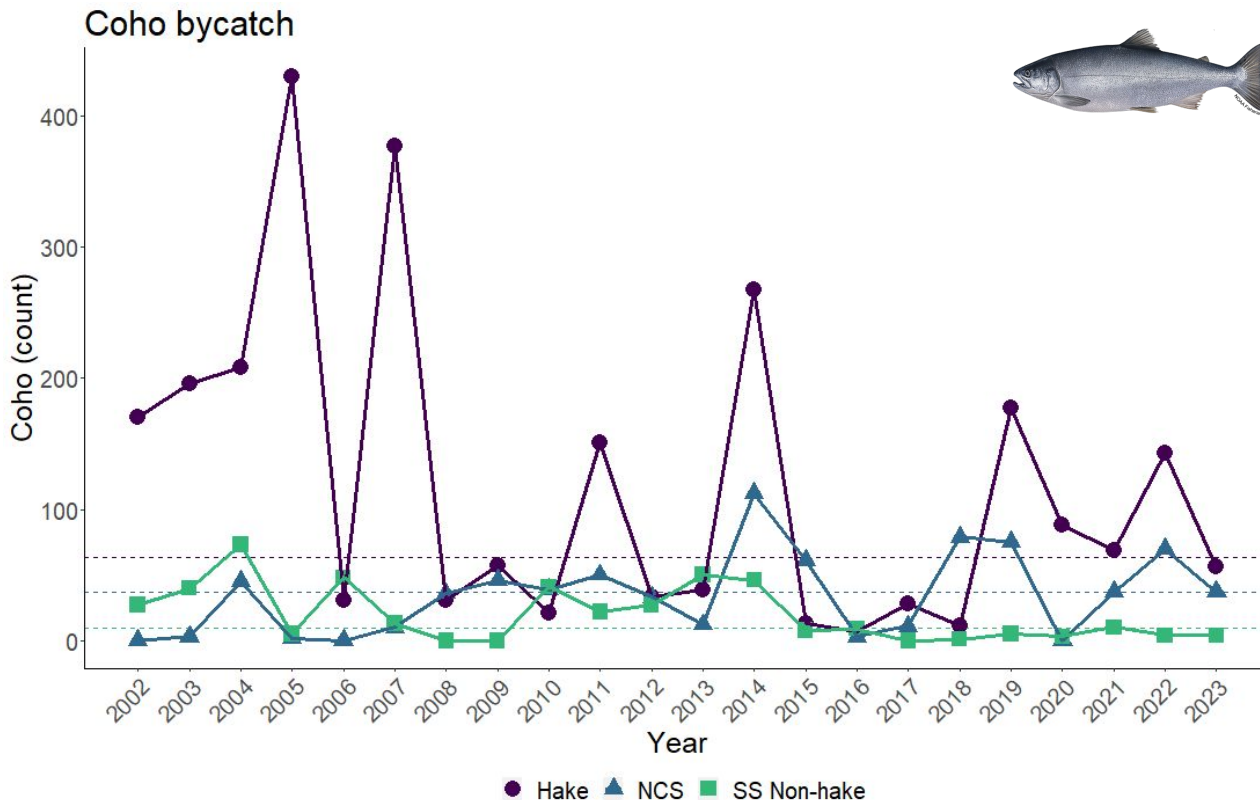
## Sector groupings:

**Hake** = At-sea and non-tribal shoreside hake

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

**SS non-hake** = LE and CS bottom trawl, CS fixed gear, CS midwater rockfish, and LE CA halibut

# Salmon bycatch, 2002-2023



## Sector groupings:

**Hake** = At-sea and non-tribal shoreside hake

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

**SS non-hake** = LE and CS bottom trawl, CS fixed gear, CS midwater rockfish, and LE CA halibut

# 2024 Groundfish Surveys Completed

- Groundfish Bottom Trawl Survey
- Southern CA Hook and Line Survey
- Integrated Survey Net Testing and Pacific Hake Research Cruise

## 2025 Surveys Planning Underway

- Groundfish bottom trawl survey
- Southern CA Hook and Line Survey
- Integrated West Coast Pelagics Survey



# 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





# Questions?

[Craig.Russell@noaa.gov](mailto:Craig.Russell@noaa.gov)



**NOAA**  
**FISHERIES**