

12^a Reunión del Comité Científico Asesor - 10-14 de mayo de 2021 (por videoconferencia) 12th Meeting of the Scientific Advisory Committee - 10-14 May 2021 (by videoconference)

Outline

- Introduction
- Purse seine based indicators
- Longline based indicators
- Summary

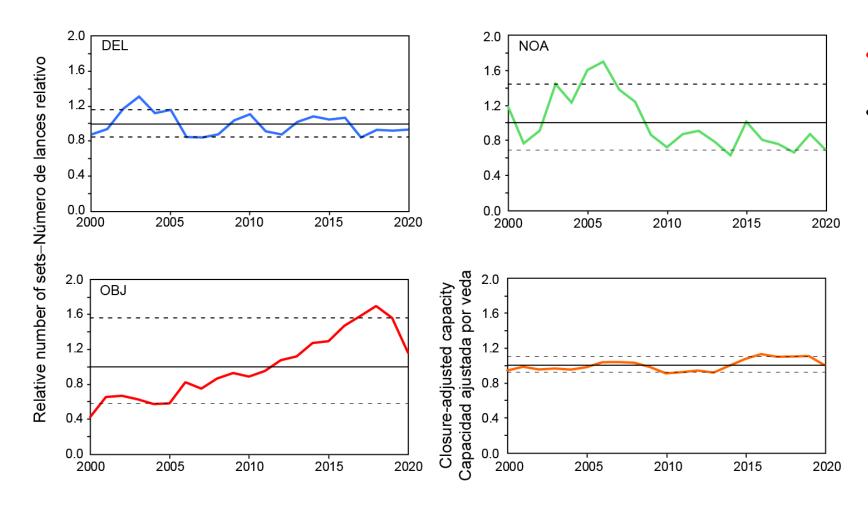


Introduction

- Data: Purse-seine and longline
- Species: Yellowfin, bigeye, and skipjack
- SSIs:
 - Catch, effort, CPUE, and average length
 - Begin in 2000
 - First year of purse seine species composition sampling
 - After the major offshore expansion of the floating-object fishery
 - Reference levels set at the 10% and 90% percentiles.
- 2020 is an anomalous year due to the COVID pandemic



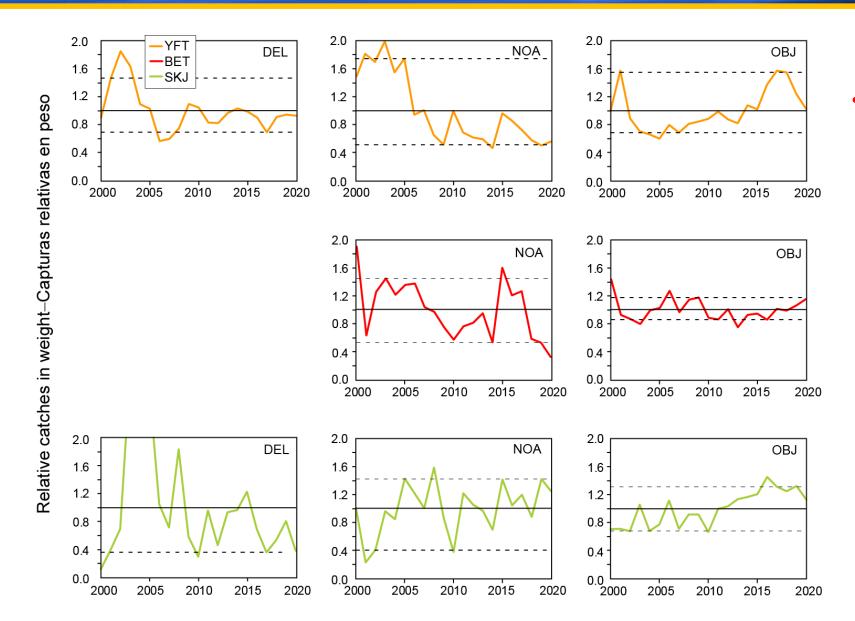
Purse seine: Number of sets by set type



- Constantly increasing number of floating object sets
- OBJ sets declined in 2020 due to the COVID pandemic



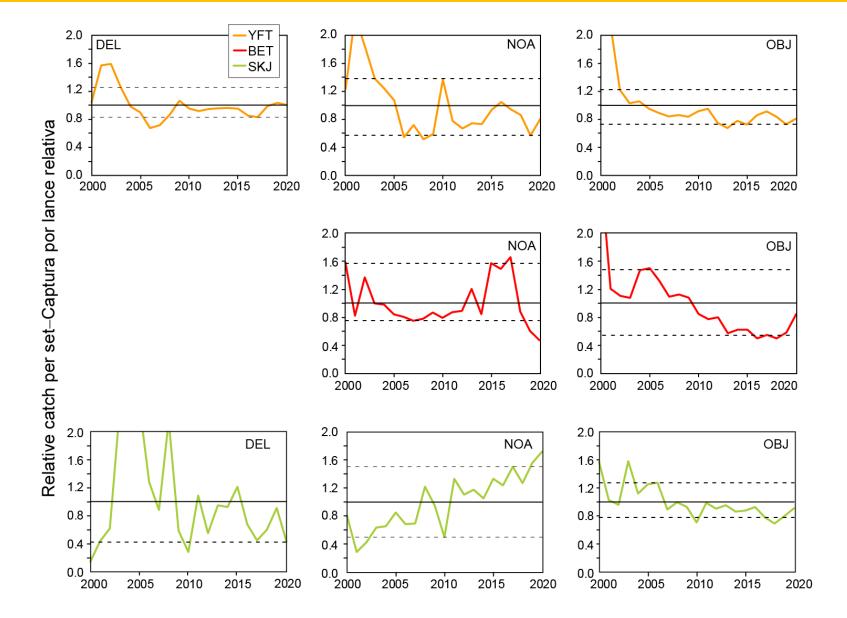
Purse seine: Catch in weight by species and set type



 Increase in the catch of YFT and SKJ in the floating object fishery



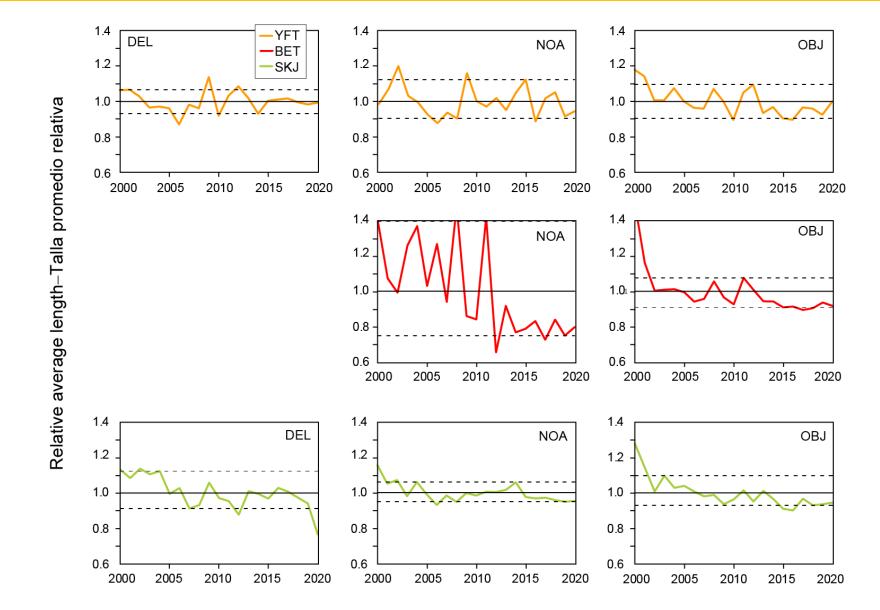
Purse seine: Catch per set by species and set type



- A decline in the floating object catch per set for all three species
- Increase in catch per set for SKJ in the unassociated fishery



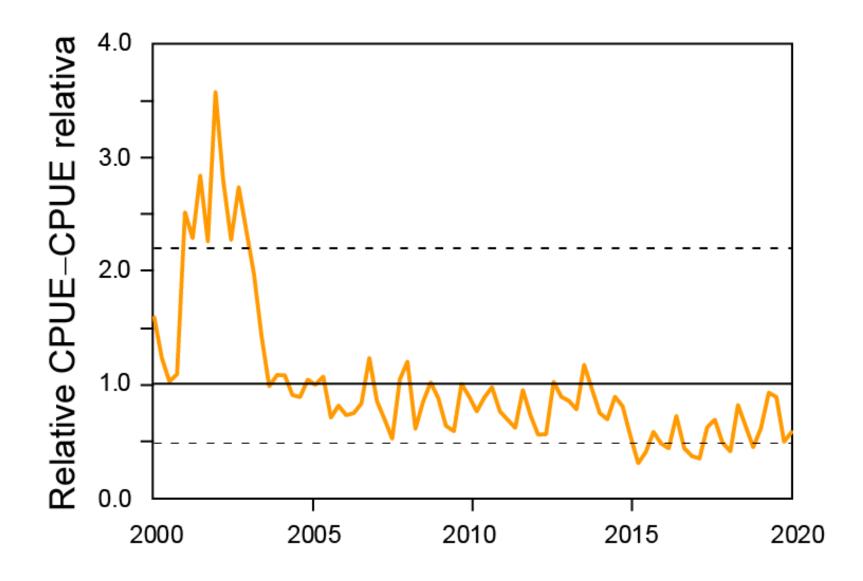
Purse seine: Average length by species and set type



- A decline in the floating object average length for all three species
- A decline in average length for BET and SKJ in the other set types



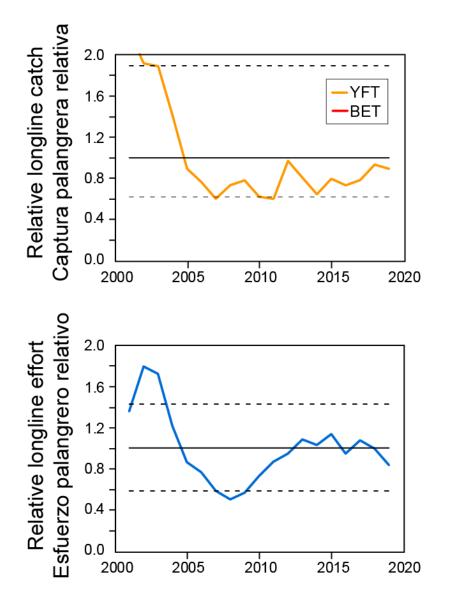
Purse seine: Standardized YFT DEL CPUE

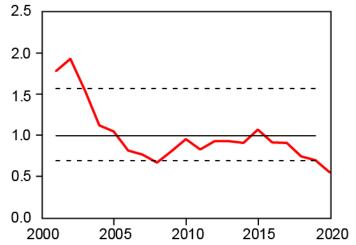


 A decline in standardized catch per day fished of YFT in the dolphin associated fishery



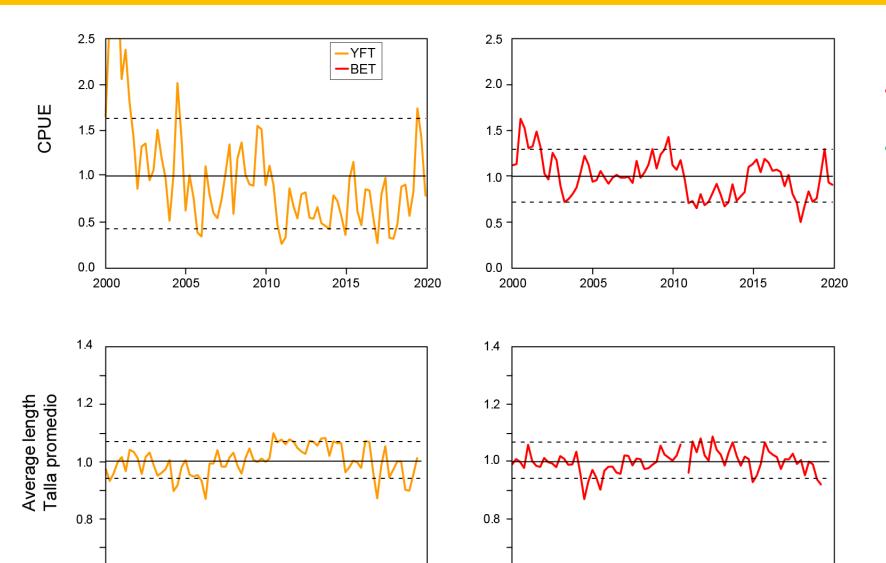
Longline: Catch and effort







Longline: Standardized CPUE and average length



0.6

2000

2005

2010

2015

2020

2020

0.6

2000

2005

2010

2015

- A decline in standardized YFT and BET CPUE
- A period of increased YFT and BET average length



Summary

2020 is an anomalous year due to the COVID pandemic and can't be used to interpret long term trends

Most SSIs based on the floating-object fishery suggest that the fishing mortality of all three species has increased

Probably due to the increase in the number of floating-object sets





Questions



Purse seine: Catch in numbers by species and set type

