



Agenda Item E.5.b  
Supplemental Public Presentation 3  
November 2018

**Agenda Item E.5**  
**Review of CPS FMP Management Categories**  
**Geoffrey Shester, Ph.D.**

# Summary of Requests

- Eliminate active vs. monitored categories from CPS FMP
- Establish a single annual specifications framework for all CPS finfish

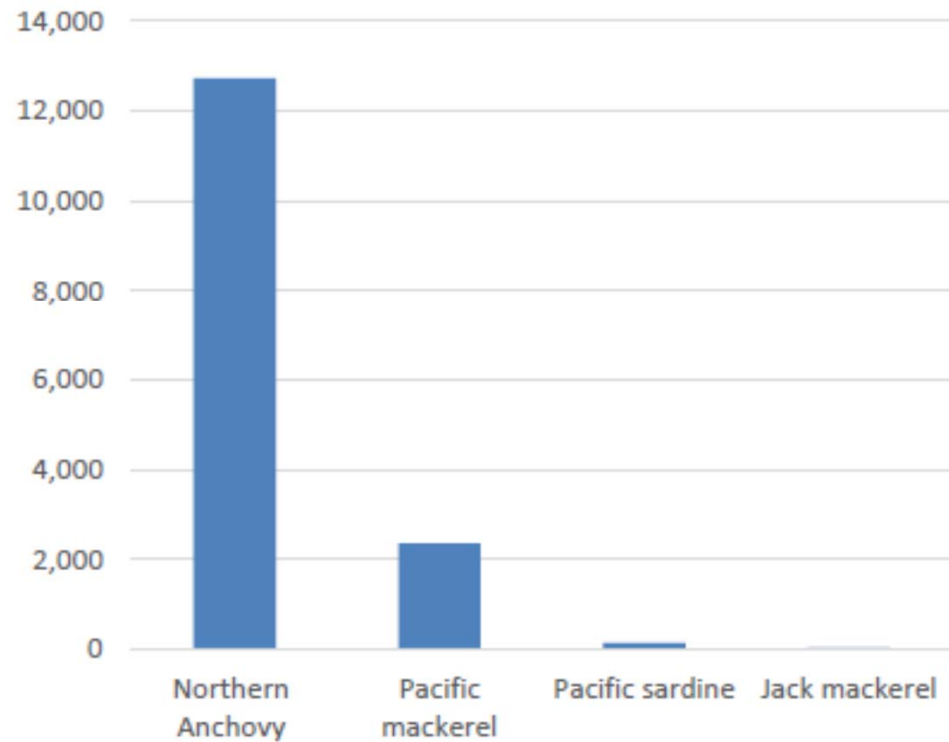
# Concerns with Council's Implementation of "Monitored" Category

- Not using best available estimates of biomass to inform OFL, ABC, ACLs
- Leads to less data being collected or reviewed
  - CPS MT Statement: Monitored stocks becoming more data limited than the Active stocks
  - SSC statement: there is no regular review of OFLs and ABCs by the SSC
- No way to determine whether stocks are overfished
- Static quotas result in more severe collapse for highly variable stocks (Siple et al. 2018, May 1978)
- 75% ABC buffer is not precautionary for stocks that can drop by 99% in 2 years
- Not responsive to ecosystem concerns (mortality events for dependent predators)

Current categories do not reflect recent biological removals

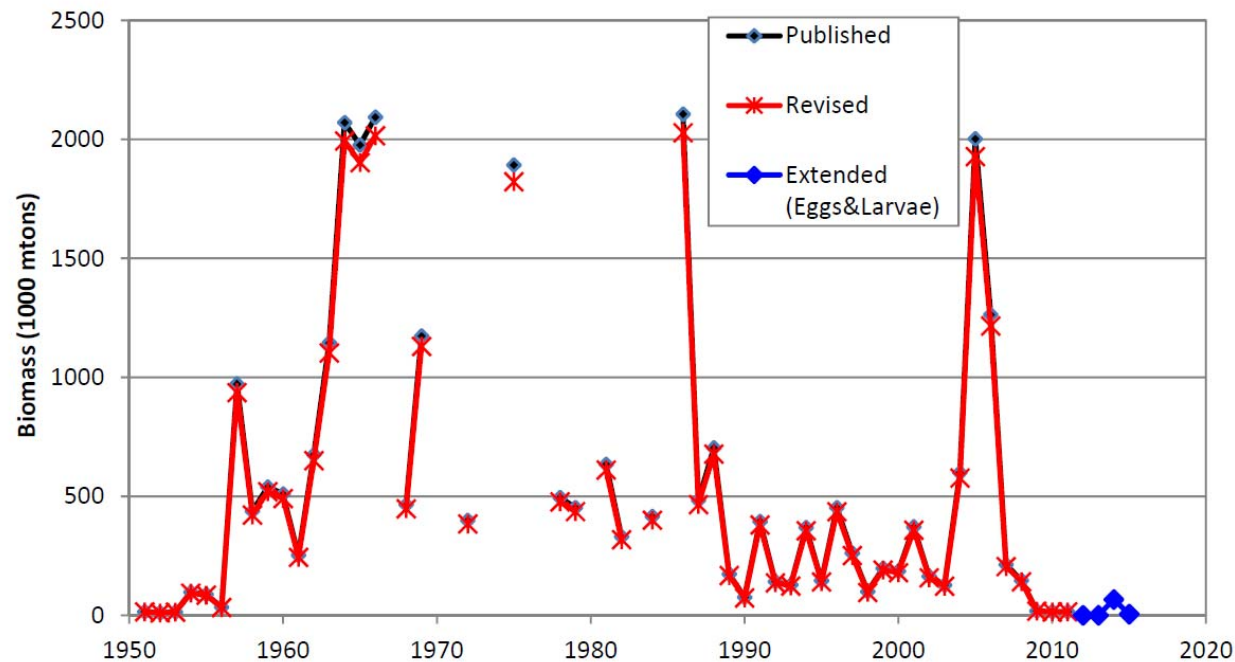


2018 California CPS finfish landings as of September 14



Monitored    Active    Active    Monitored

# Management did not respond to CSNA collapse from 2009-2015, where stock dropped below MSST



Thayer et al. 2017

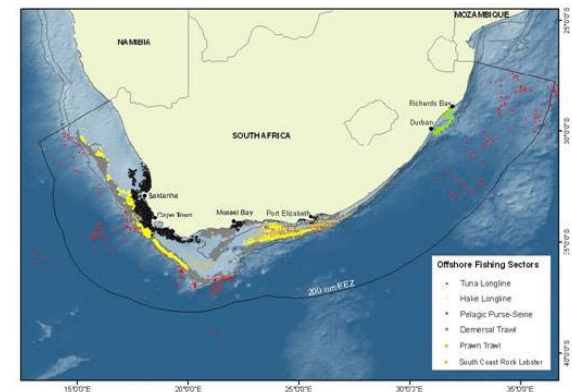
CSNA MSST = 50,000 mt

Average SSB of 20,700 metric tons over the past 7 years (Thayer et al. 2017)

2015 ATM biomass estimate: 16,415 mt

# South African Anchovy Management

- Use DEPM surveys to calibrate acoustic surveys to absolute biomass
- Annual quotas set using harvest control rules, every December, based on November acoustic surveys *without any intermediate assessment*
- Adjust annual quotas mid-year based on March acoustic surveys
- Full assessments every 5 years to recalibrate/adjust management formulas



Full description available in PFMC CPS Stock Assessment Workshop Report:

[http://www.pcouncil.org/wp-content/uploads/2016/08/E2a\\_Workshop\\_Rpt\\_SEPT2016BB.pdf](http://www.pcouncil.org/wp-content/uploads/2016/08/E2a_Workshop_Rpt_SEPT2016BB.pdf)

# Useful Concepts from Groundfish Specifications Process

- Single, regular specifications for all 80+ stocks in FMP
- Specs for many species do not change every 2 years, but are still reaffirmed by a Council decision
- Opportunity to bring in new data to inform management & determine best available science
- Public review

# A New Framework Is Needed for CPS

- Annual specification process for all 5 CPS finfish stocks:
  - Set OFLs, ABCs, and ACLs based on annual biomass estimates from surveys (not assessments)
  - Minimize time between surveys and specifications
- Periodic Stock Assessments/ Management Strategy Evaluation (every 5 years)
  - Adjust MSSTs,  $F_{msy}$ , Harvest Control Rules



# Potential CPS Assessment/ Survey Schedule

	CSNA	NSNA	P mack	J mack	P sardine
2019	<b>Full assess</b>	Survey-only	Survey-only	Survey-only	Survey-only
2020	Survey-only	<b>Full assess</b>	Survey-only	Survey-only	Survey-only
2021	Survey-only	Survey-only	<b>Full assess</b>	Survey-only	Survey-only
2022	Survey-only	Survey-only	Survey-only	<b>Full assess</b>	Survey-only
2023	Survey-only	Survey-only	Survey-only	Survey-only	<b>Full assess</b>
2024	<b>Full assess</b>	Survey-only	Survey-only	Survey-only	Survey-only
2025	Survey-only	<b>Full assess</b>	Survey-only	Survey-only	Survey-only

# Required NMFS/PFMC Annual Workload:

## **Current Active vs. Monitored Approach**

- 1-2 CPS specs agenda items
- 1-2 CPS ATM surveys
- CalCOFI survey (DEPM)
- 1-2 stock assessments
- 1-2 implementing regulations
- 2 species managed

## **Proposed Annual Management Approach**

- 1 CPS specs agenda item
- 1-2 CPS ATM surveys
- CalCOFI survey (DEPM)
- 1 stock assessment
- 1 implementing regulation
- 5 species managed

# Next Steps

- Initiate an FMP amendment to establish annual specs framework, remove active v. monitored, and conduct “housekeeping” clarifications
- April 2018: Request SSC to Adopt an OFL and ABC for CSNA.
- Nov. 2019: Initiate annual specs
- Direct NMFS to complete CSNA assessment (for use in updating MSST, Fmsy)
- Direct NMFS to conduct MSE for CSNA to establish HCR