

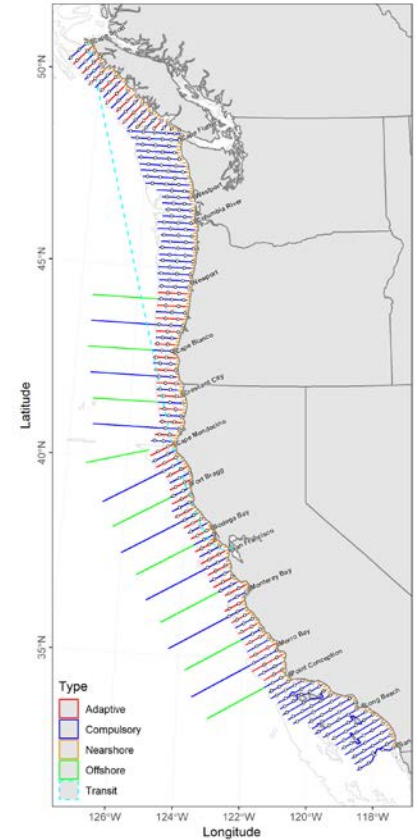


# NMFS Report SWFSC Activities Center and Coastal Pelagic Species

**NOAA**  
**FISHERIES**

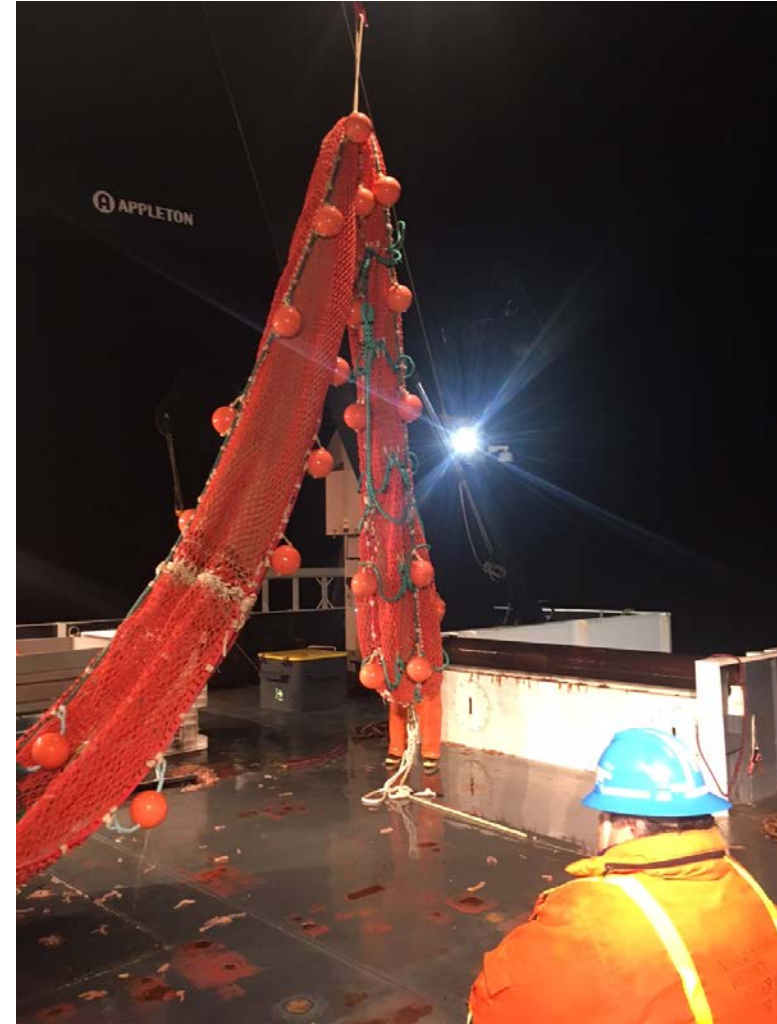
Southwest  
Fisheries  
Science Center

Kristen Koch  
Dale Sweetnam



# Presentation Outline

1. SWFSC Budget and Staffing Trends
2. Research Survey Activities/Results
  - Spring 2019 CalCOFI survey/Gear Testing
3. 2019 Summer Survey
4. Future Activities



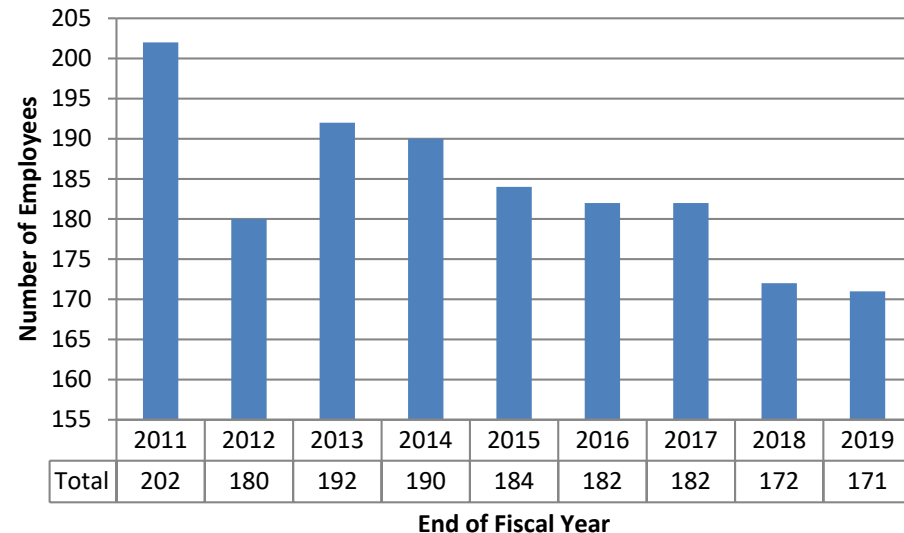
# SWFSC Budget and Staffing Trends

## Flat Budgets and Fewer Staff

### Budget Obligations Trend



### Staffing Trend



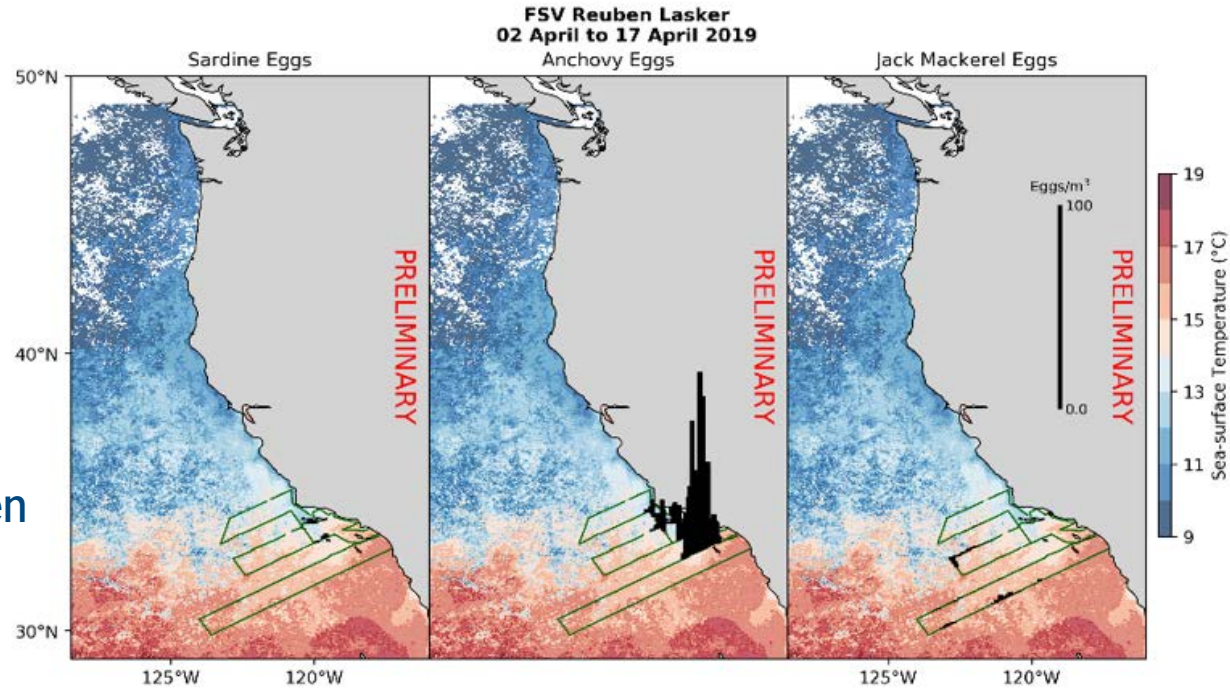
Impacts of these trends include:

- Labor costs have remained flat even with reductions in FTEs
- Facilities and mission support costs have increased
- Limited new funding (e.g., salaries) to support new initiatives (e.g. EBFM).
- Reductions (internal controls) taken in
  - Marine Mammal Protection Act and Endangered Species Act missions,
  - Magnuson-Stevens Act life history, sea-going/survey, and
  - data management staff reduced to maintain stock assessment staff

# Spring 2019 CalCOFI Survey/ Gear Testing

## CalCOFI:

- Environmental conditions appear favorable for the northern anchovy (*Engraulis mordax*) population
- Despite historical peak spawning period for Pacific sardine (*Sardinops sagax*) during April, egg numbers seen during this survey appear low
- However, some evidence in 2018 of summer spawning offshore Central CA and in SCB



CUFES data from the spring CalCOFI survey (1904RL). Plots created by Ed Weber.

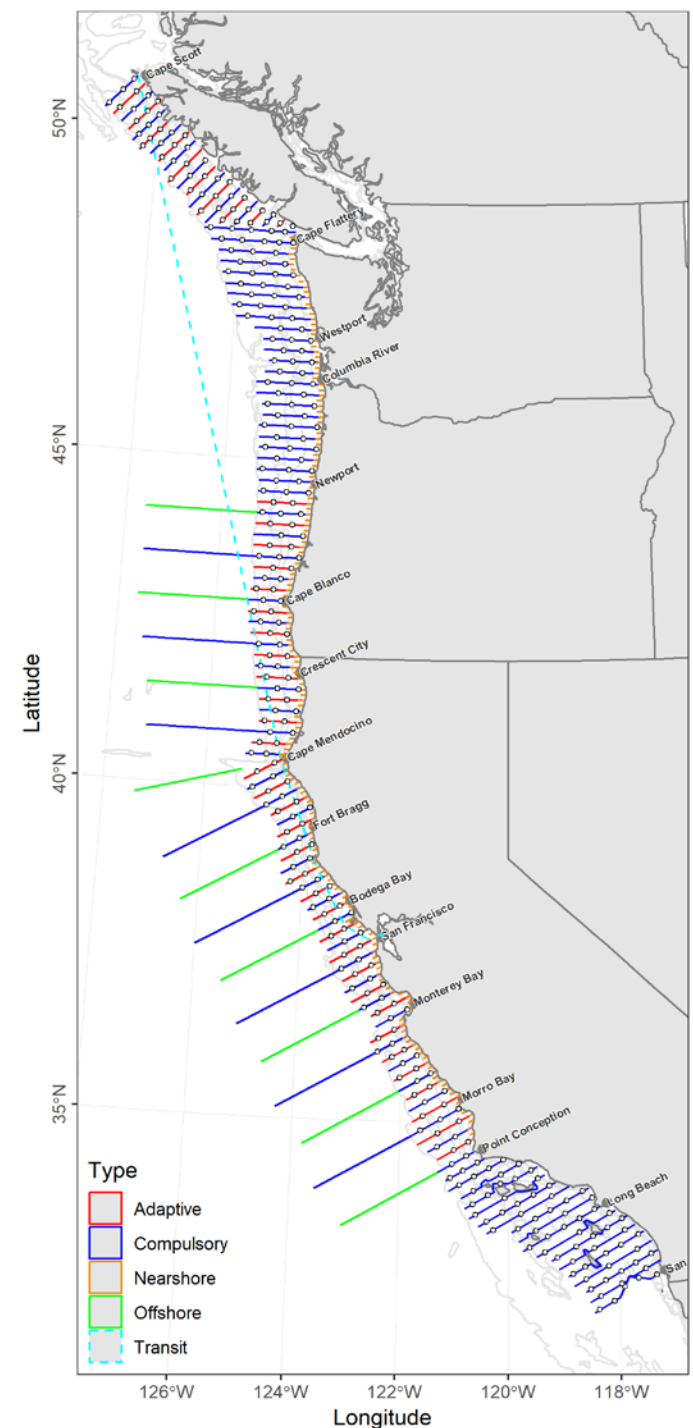
## Gear Testing:

- Nordic 264 trawl net tested for bias to fish size of CPS fishes
- Limited success thus far, but several trawls successfully performed which collected anchovy and a small number of sardine
- Continued effort to examine bias

# 2019 Summer CPS Survey

Goal: Estimate abundances and distributions of CPS stocks

- FSV: Reuben Lasker
- June – Sept – 80 Days
- Vancouver Island, Canada to U.S./Mexico Border
- Daytime acoustic backscatter (EK-60, EK80), nighttime CPS trawling
- Extended offshore lines to verify any potential offshore spawning
- Sailandrone technology – WA to Pt Conception
- Industry-based cooperative research (NW and SW) – near shore survey



# Future Activities

## Surveys – 2020

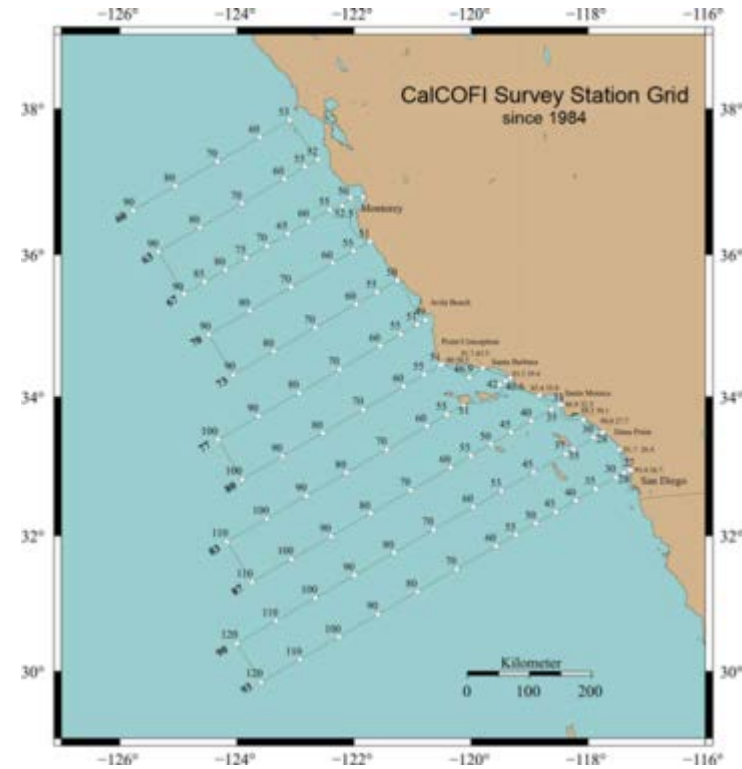
- 2020 Spring CalCOFI and CPS survey (tentative) - DEPM? – FSV Shimada –
- 2020 Summer CPS survey – FSV Lasker

## Data Analyses – 2019/2020

- 2019 and 2020 Sailability Reports

## Workshops

- CPS Fishery-Dependent Monitoring
- CPS Research Coordination





# Questions