



**NOAA**  
**FISHERIES**

Northwest Fisheries  
Science Center

# Economics and Social Science Research Overview

Aug. 7-10, 2017

# Fishery Resource Analysis and Monitoring Division (FRAM)

Our mission is to promote sustainable and productive fisheries, communities, and ecosystems along the U.S. West Coast through innovative research, scientific discovery, and regional and international collaborations.

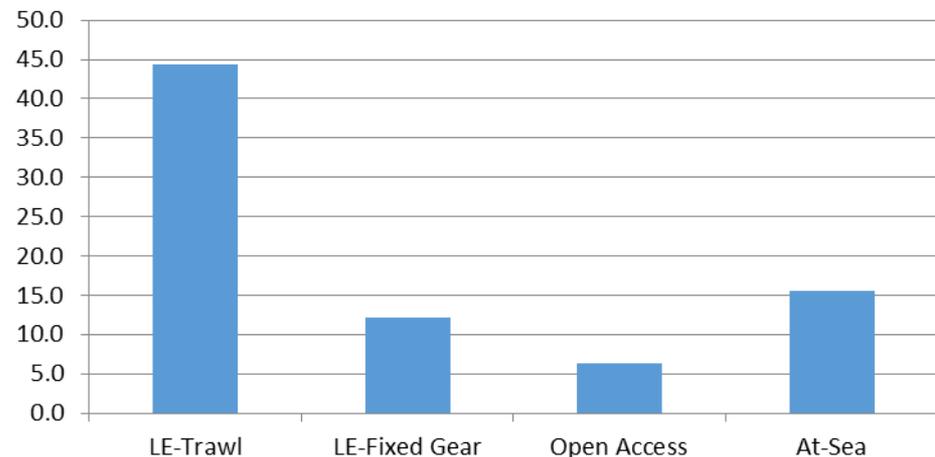
- Bulk of research and Council support involves the more than 90 different groundfish species regulated under the Pacific Fishery Management Council's Groundfish Fishery Management Plan.
- Four programs: Economic and Social Science Research (ESSR), Fisheries Observation Science, Groundfish Ecology, and Population Ecology.

# Overview: West Coast Groundfish

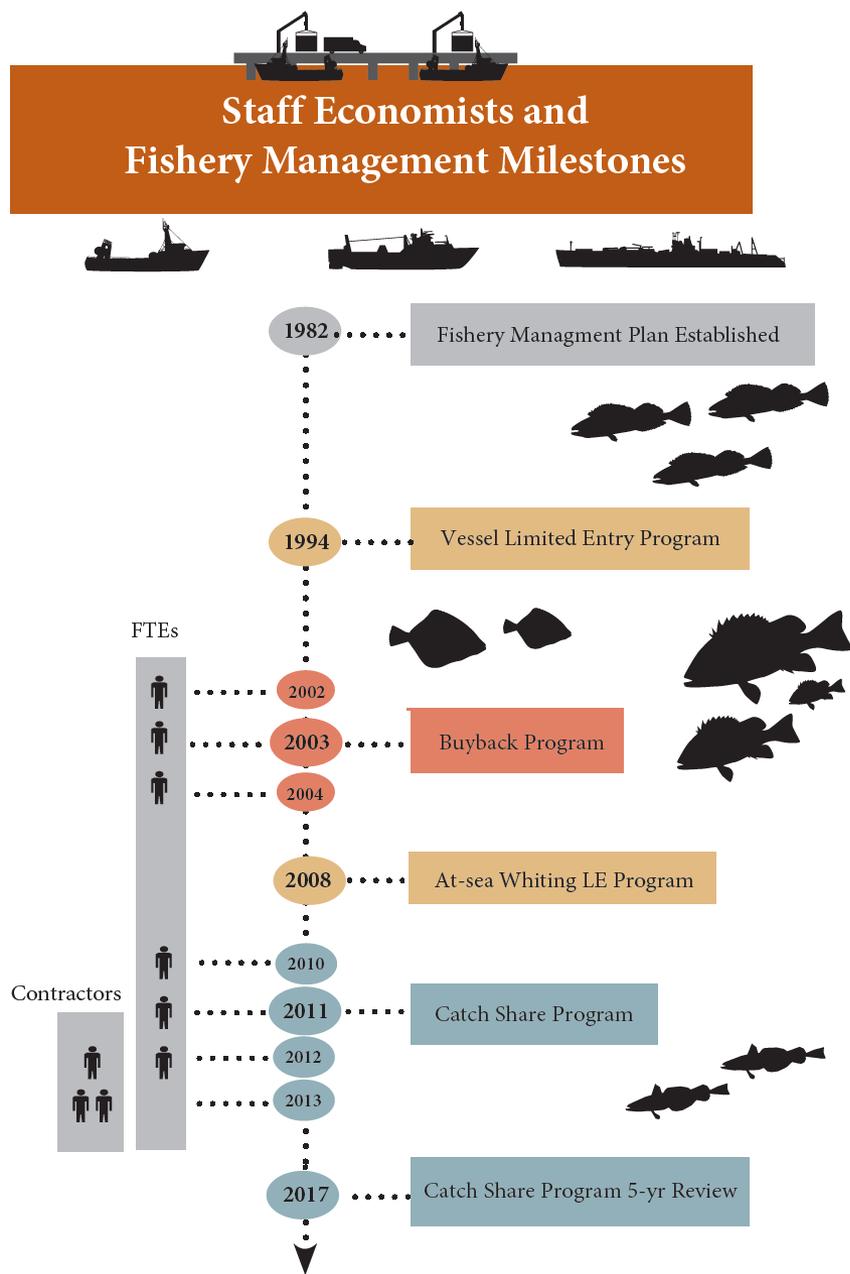
## Fishery Sectors

- LE Trawl – bottom and pelagic trawl nets
- LE Fixed Gear – longlines, traps or pots
- OA – fixed gear without LE endorsement
- At-Sea – motherships and catcher processors
- Recreational

**Groundfish Ex-Vessel Value (\$2015 mil.)**

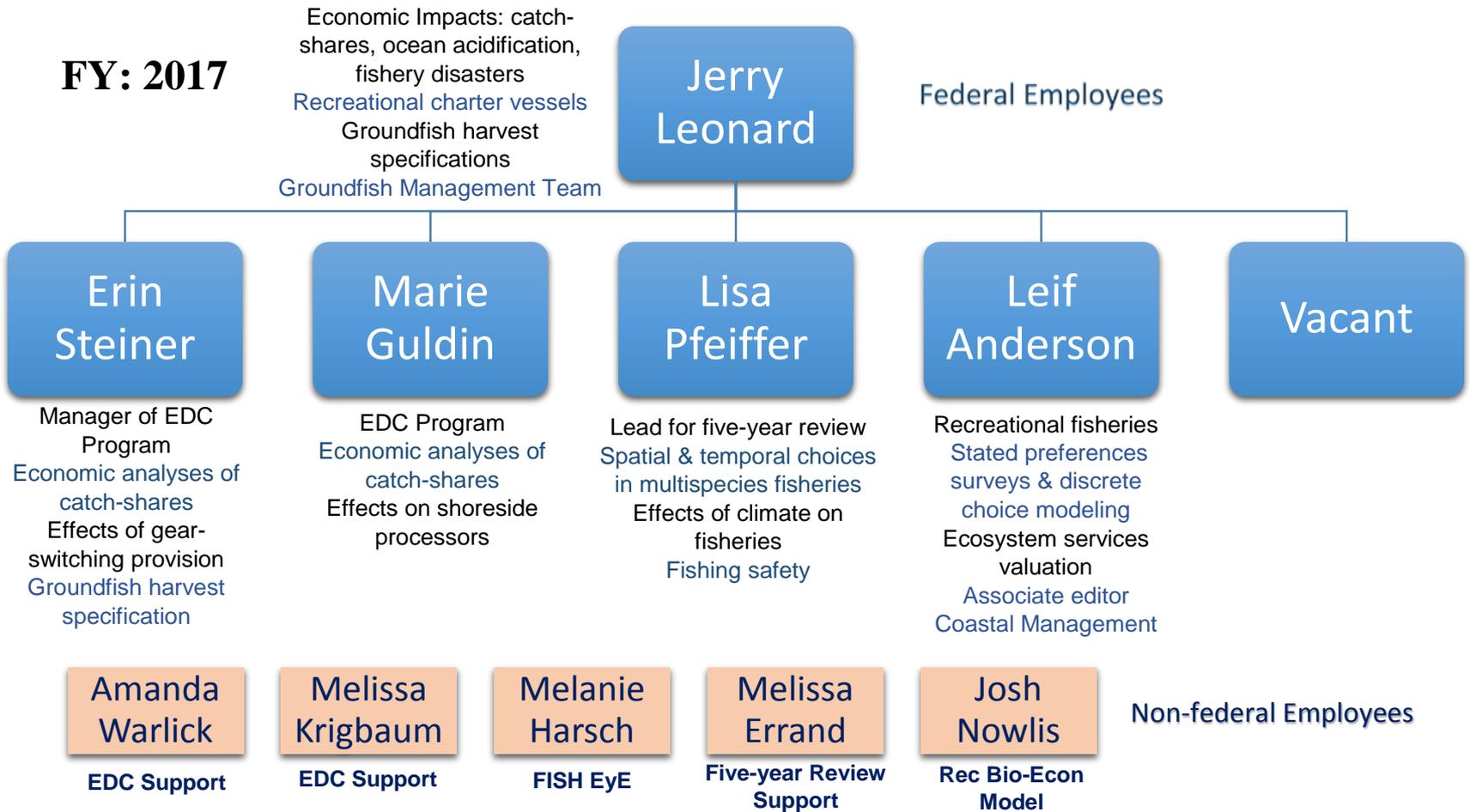


# Staff Economists and Fishery Management Milestones



# ESSR Org Chart

**FY: 2017**



# ESSR Org Chart

**FY: 2016**

Recreational fisheries  
Scientific and  
Statistical Committee

**Todd Lee**

Federal Employees

**Jerry  
Leonard**

Economic Impacts: catch-shares, ocean acidification, fishery disasters  
Recreational charter vessels Groundfish harvest specifications  
Groundfish Management Team

**Erin  
Steiner**

Manager of EDC Program  
Economic analyses of catch-shares  
Effects of gear-switching provision

**Lisa  
Pfeiffer**

Spatial & temporal choices in multispecies fisheries  
Effects of climate on fisheries  
Fishing safety

**Leif  
Anderson**

Recreational fisheries Stated preferences surveys & discrete choice modeling  
Ecosystem services valuation  
Associate editor Coastal Management

**Carl Lian**

Cost and Earnings Survey  
Economic analyses of catch-shares

**Amanda  
Warlick**

EDC Support

**Marie  
Guldin**

EDC Support

**Melanie  
Harsch**

FISH EyE

Non-federal Employees

# Economic and Social Science Research Program

Examine the impact of West Coast fishing and management on fishers, communities, and regional economies.

## Commercial Fishing

- Financial performance of vessels and processors
- Economic impacts of current or prospective management choices
- Fisher and processor behavioral responses to management

## Recreational Fishing

- Research shellfish and finfish angler preferences
- Financial performance and impacts of recreational charter fleet
- Bio-economic modeling

## Ecosystem Science

- Ecosystem service valuation
- Economic impacts of climate change

# Management Support

## Groundfish Harvest Specifications

- Net-revenue estimates
- Economic impacts

## Five-Year Review of Groundfish Trawl Catch-Shares Program

## Groundfish Management Team

## Scientific and Statistical Committee

# Funding Approximation (thousands)

