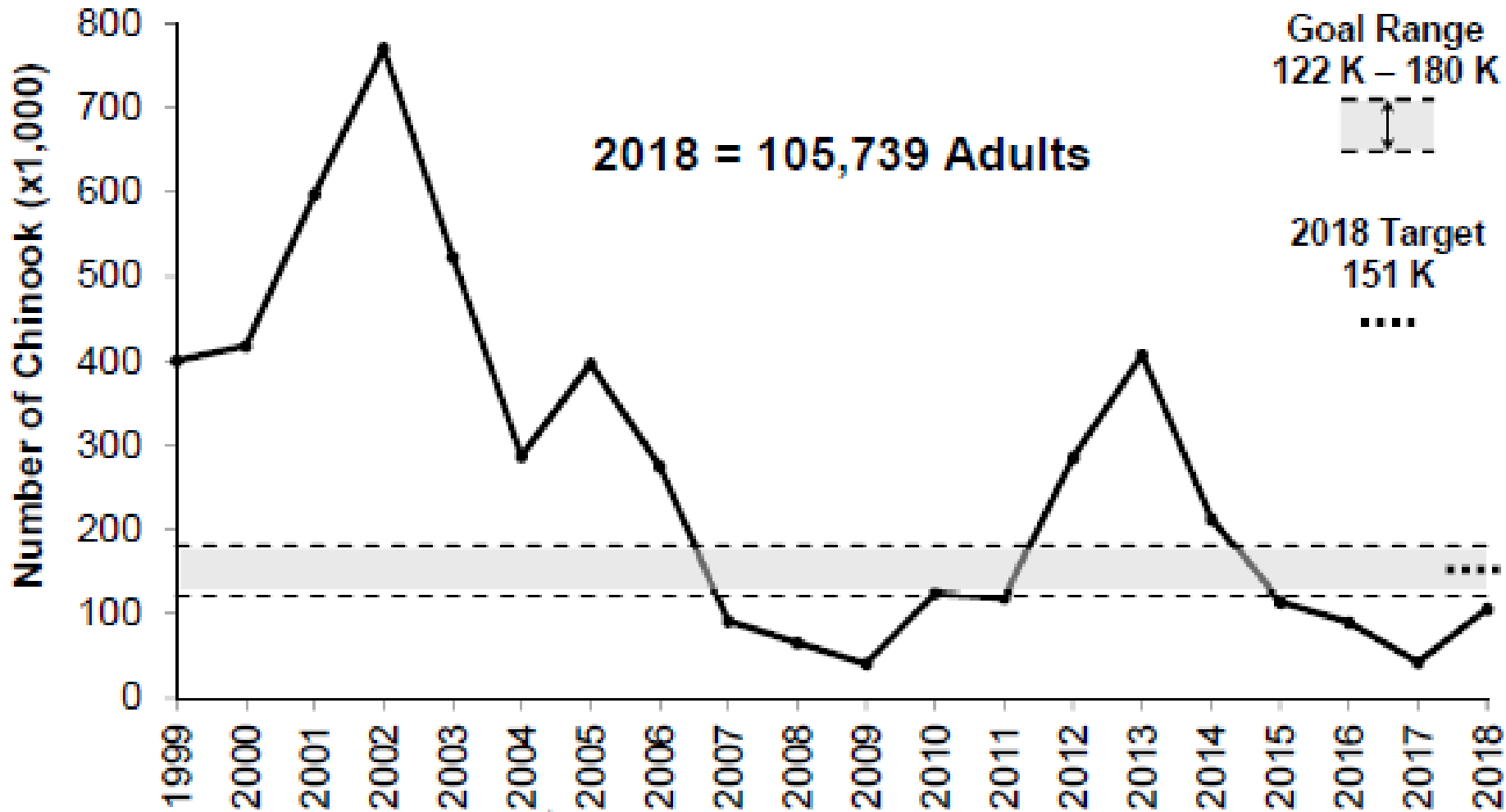
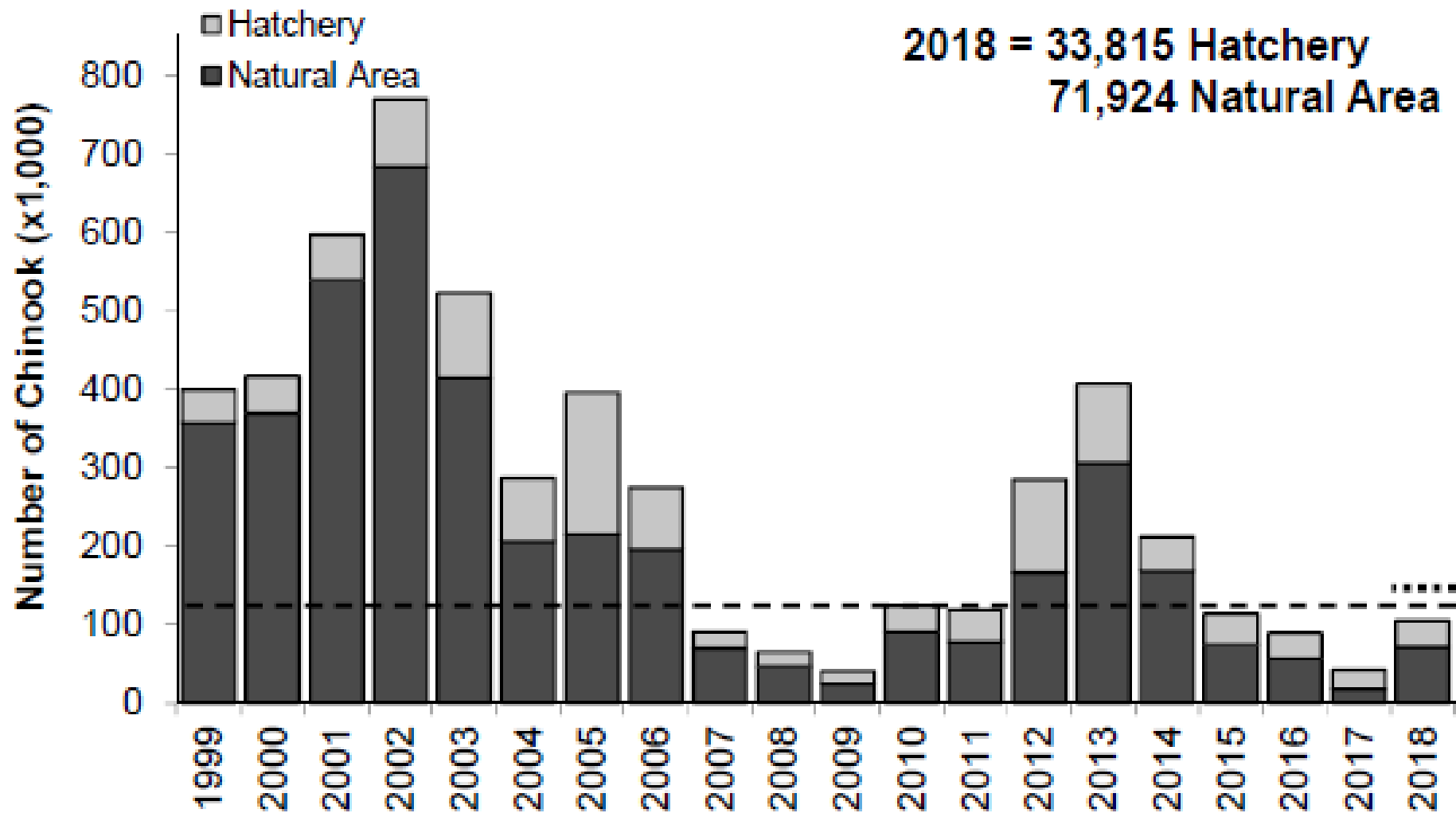


# Sacramento River Fall Chinook Adult Spawning Escapement, 1999-2018

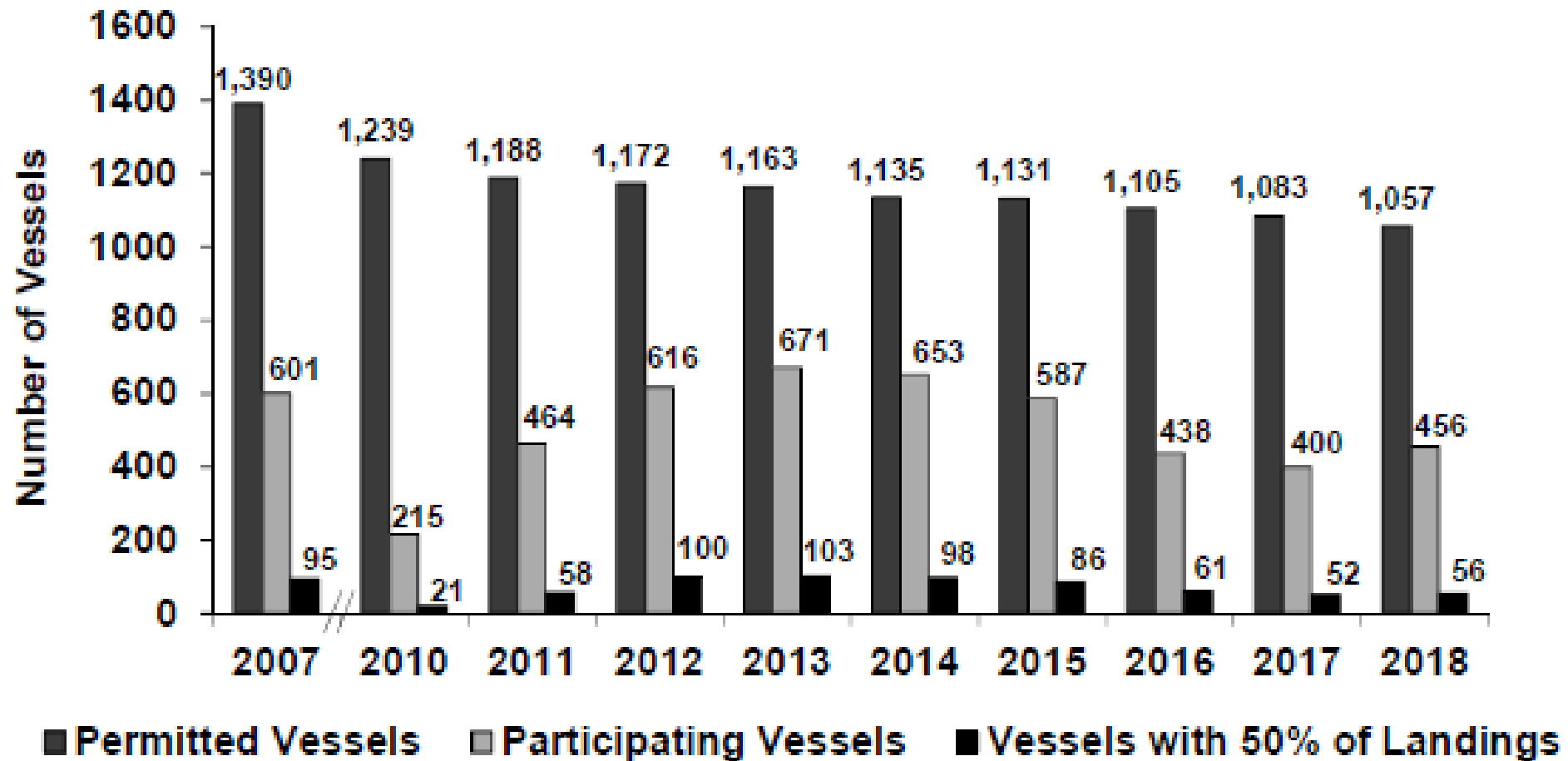


# Sacramento River Fall Chinook

## Hatchery & Natural Area Adult Spawning Escapement, 1999-2018

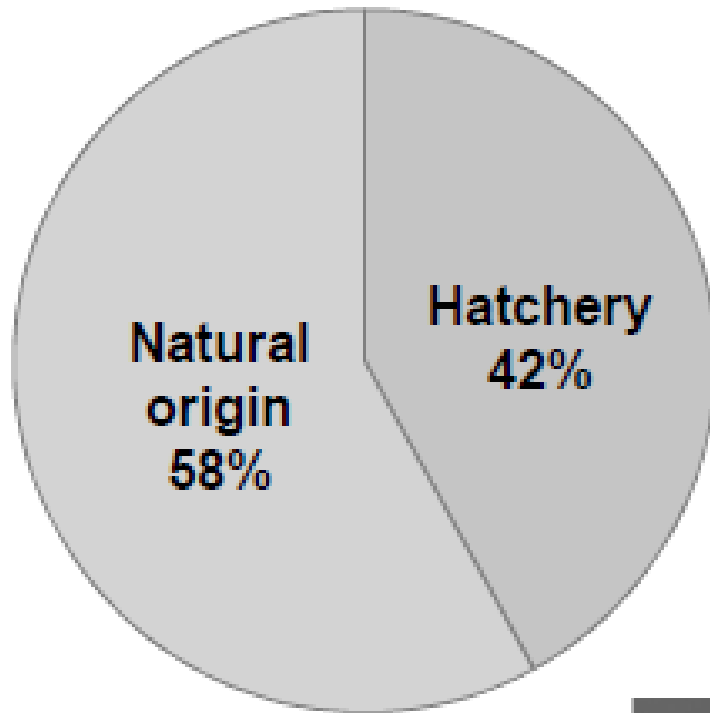


# Number of Vessels with Landings Compared to Permitted Vessels, 2007-2018



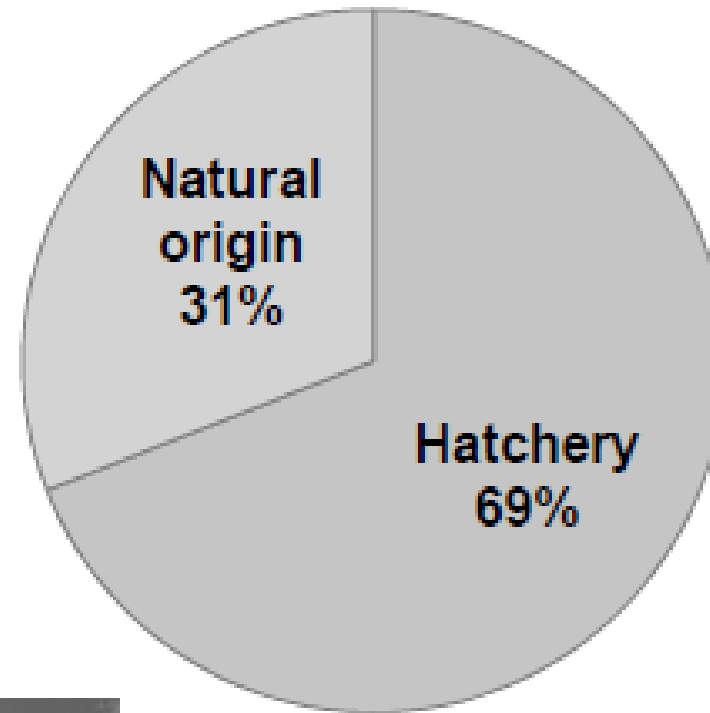
# Hatchery Contribution to 2018 CA Ocean Fisheries

## Recreational



N = 4,103 CWTs

## Commercial

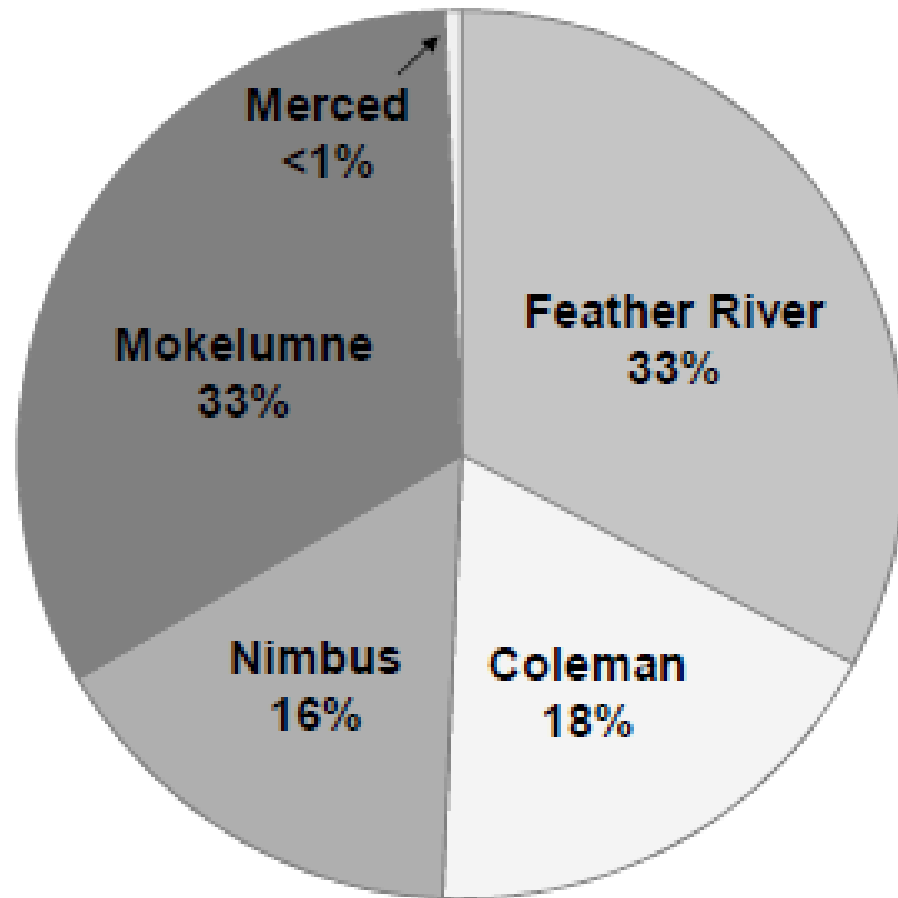


N = 6,815 CWTs

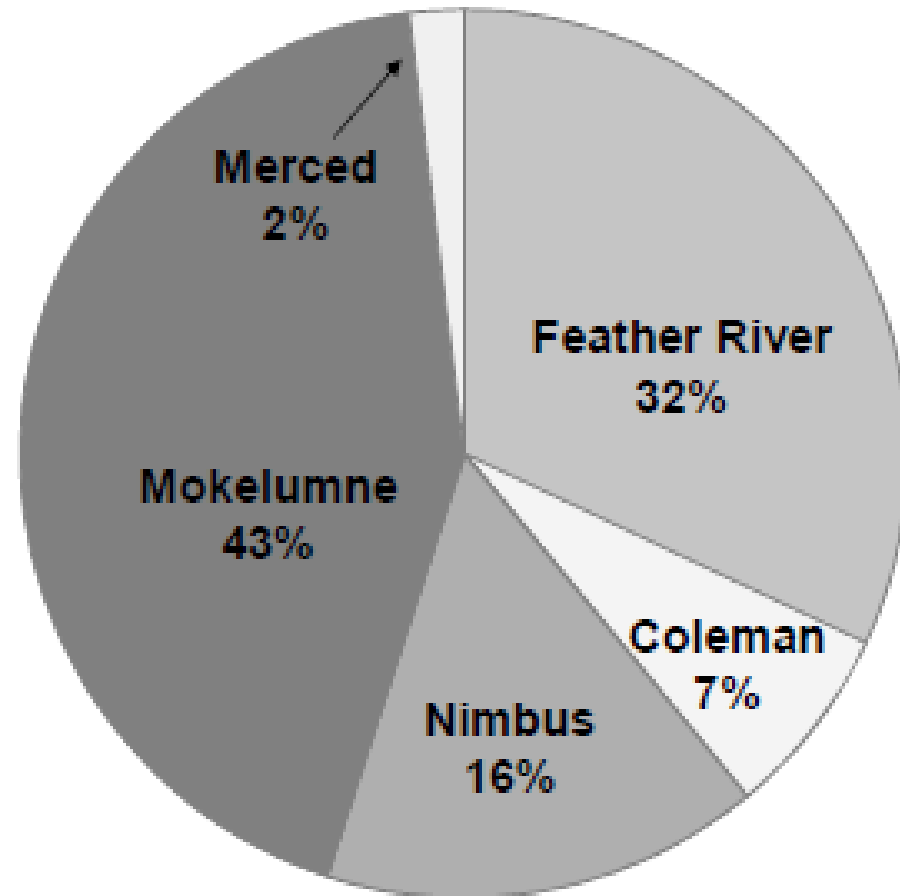


# Hatchery Contribution to 2018 CA Ocean Fisheries

Recreational  
Central Valley fall Chinook



Commercial  
Central Valley fall Chinook











Ocean net pens have highest survival rates. We're working to increase these.





Gulf of the Farallones

Oakland  
**San Francisco**

Daly City

580

580

Pleasanton

880

680

1

San Mateo

92

280

101

84

Palo Alto

Mountain View

**San Jose**

Pescadero

1

17

Morgan Hill







Dammed, over-diverted rivers with low flows give predatory fish that eat baby salmon an advantage

