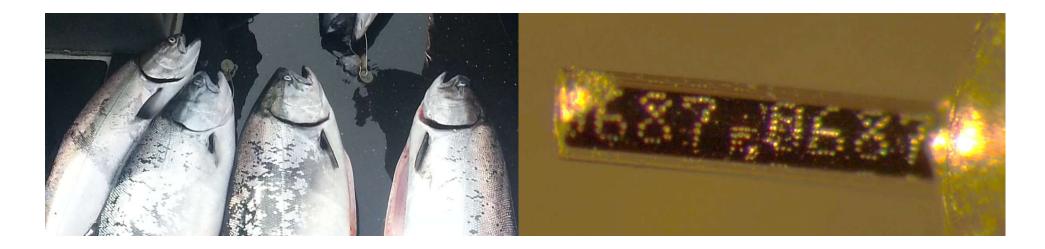


Department of Fish and Wildlife Ocean Salmon Project

2017 California Ocean Salmon Fisheries Presented by **Chenchen Shen**

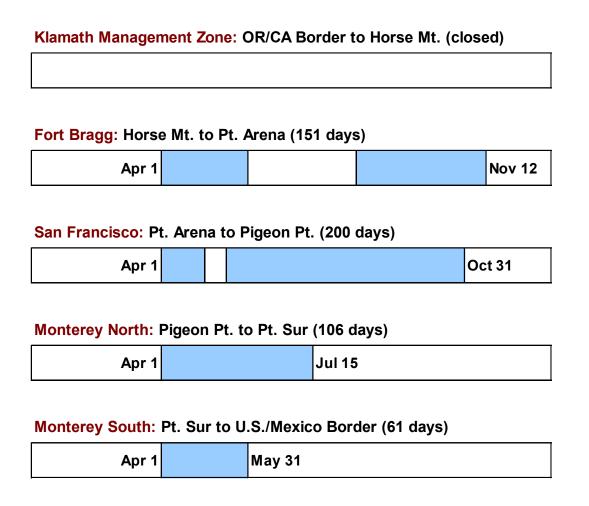
Ocean Salmon Project Objectives

- Estimate ocean salmon catch & fishing effort in CA for each management area by half month periods for both recreational and commercial fisheries
- 2. Determine the contribution rates of specific salmon stocks by fishery, time, and management area using coded-wire tag recoveries

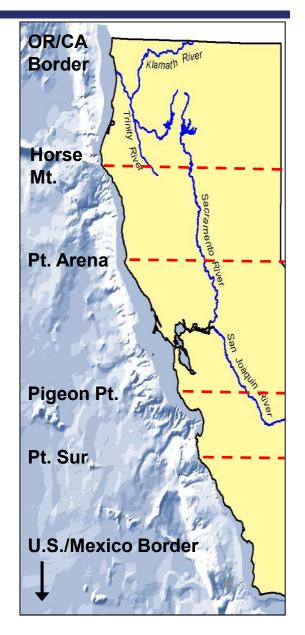




2017 California Recreational Season

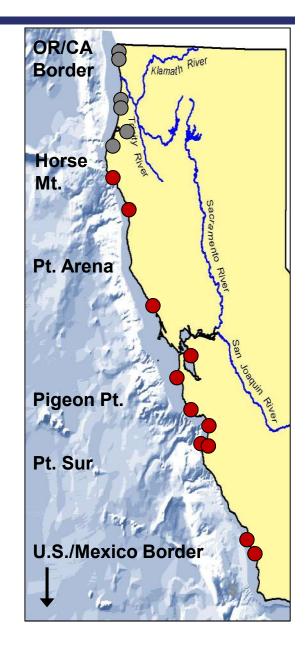


Minimum size 20" north of Pt. Arena and in SF after April 30
Minimum size 24" south of Pigeon Pt. and in SF through April 30
Bag limit: 2 fish per day



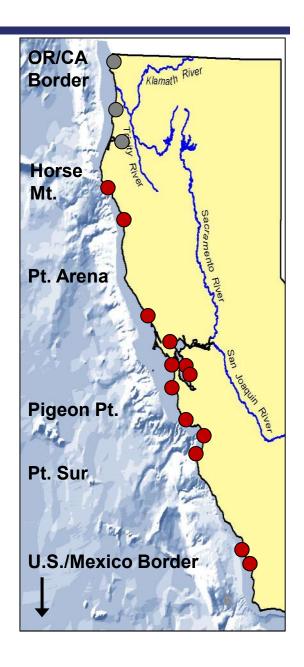
Sample Design – Private Skiff Fishery

- Sampling unit: skiff day (all skiff trips made at a sample site for an entire day)
- CRFS samples ≥ 20% of all skiff days in each management area and period
 - 17 primary salmon skiff sample sites
 - Average 7 sample days per month at each site
 - 321 skiff days were sampled during the 2017 ocean salmon season
 - Random stratified sampling design using weekday and weekend/holiday strata
- Samplers observe, identify to species, and count all salmon landed
- Each salmon inspected for missing adipose fin
- Adipose fin-clipped salmon are set aside and the heads are collected for coded-wire tag extraction

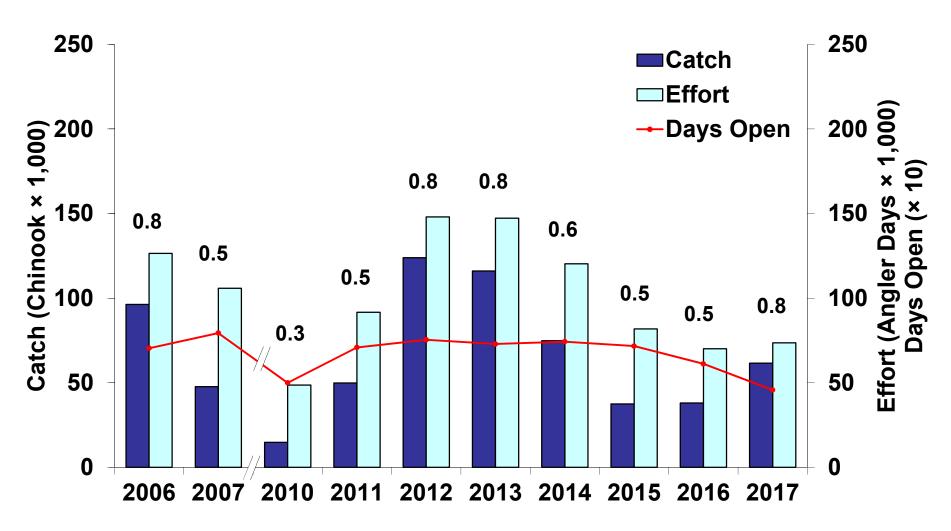


Sample Design – CPFV Fishery

- Sampling unit: each CPFV trip
- Sample ≥ 20% of all salmon-targeting CPFV trips in each management area and period
 - 16 primary salmon CPFV sample sites
 - 90 CPFVs participated in the 2017 ocean salmon fishery
 - 904 salmon-targeting CPFV trips were sampled during the 2017 ocean salmon season
- Samplers observe, identify to species, and count all salmon landed
- Each salmon inspected for missing adipose fin
- Adipose fin-clipped salmon are set aside and the heads are collected for coded-wire tag extraction

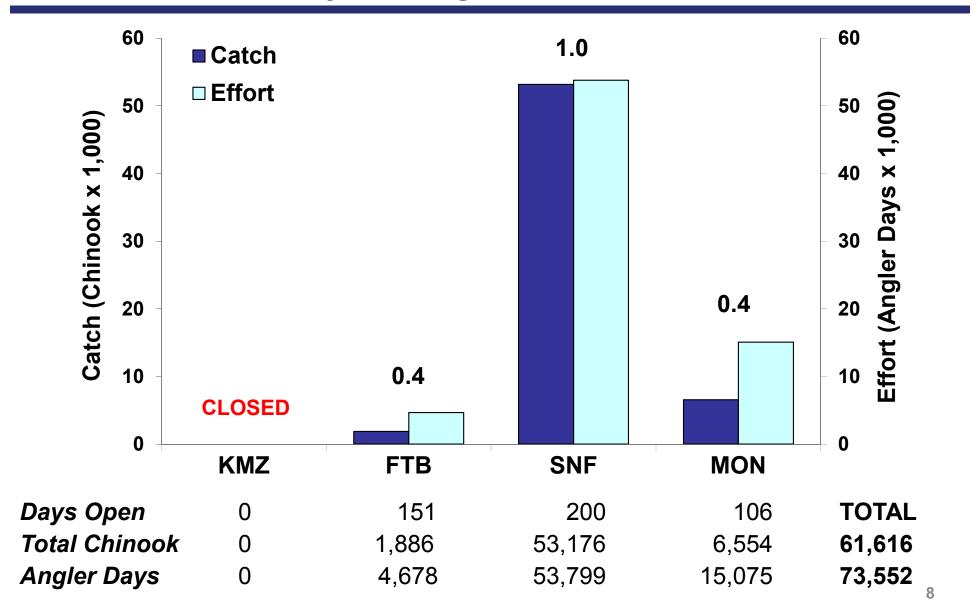


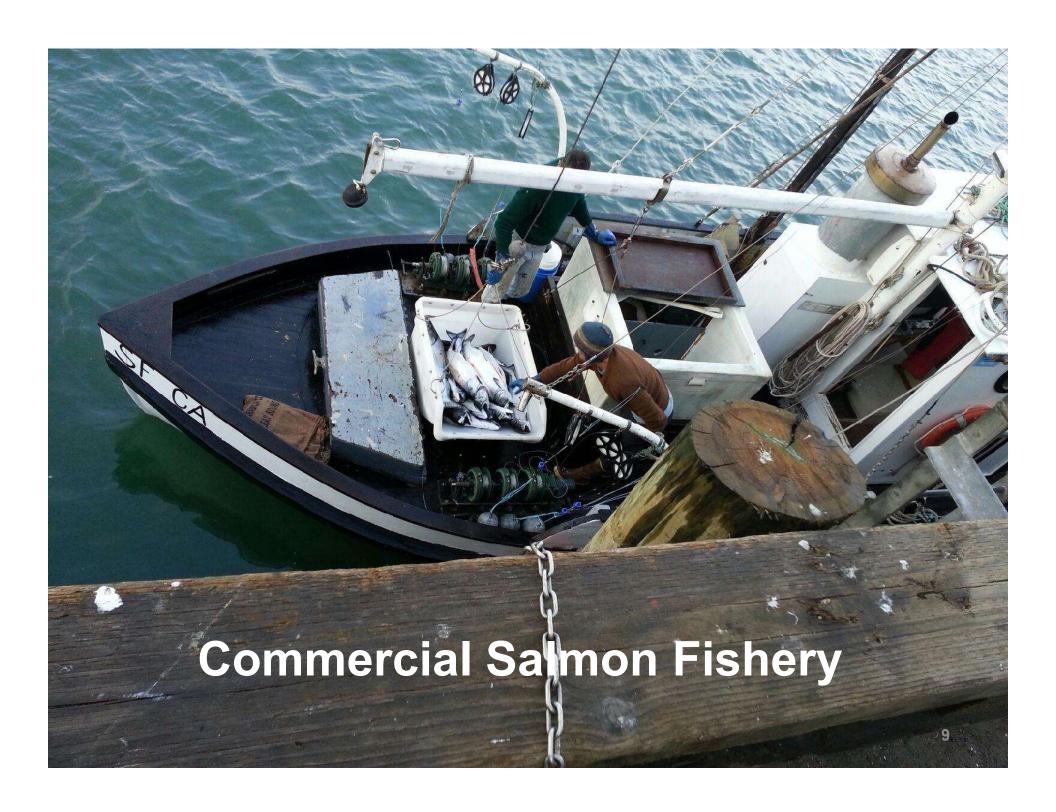
Recreational Catch and Effort, 2006-2017



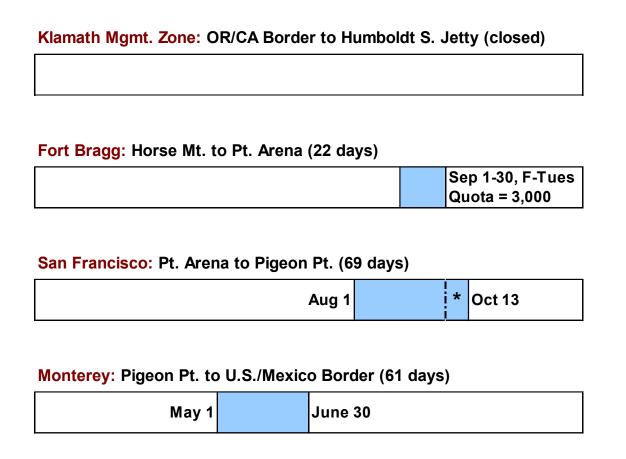
Days Open = All four management areas combined (Monterey treated as one area)

2017 Recreational Catch and Effort by Management Area

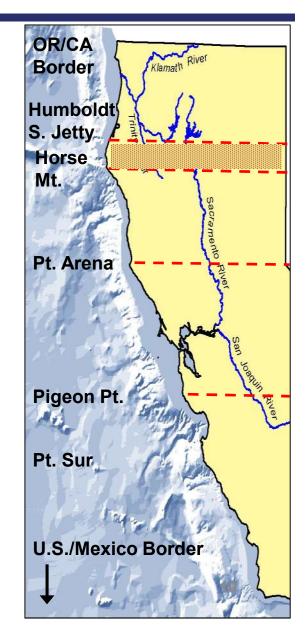




2017 California Commercial Season



* Oct 2-13 fishery: open Pt. Reyes to Pt. San Pedro Mon-Fri Minimum size 27", except 26" in SF after Aug.

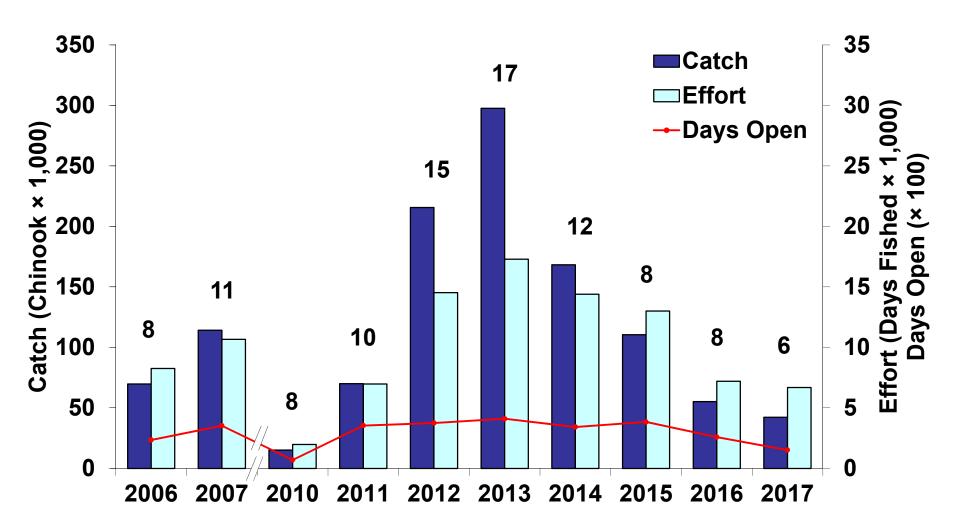


Sample Design – Commercial Fishery

- Sampling unit: each commercial landing
- Sample ≥ 20% of all commercial landings by weight in each management area and period
- Samplers observe, identify to species, and count all salmon being offloaded
- Each salmon inspected for missing adipose fin
- Adipose fin-clipped salmon are set aside and the snouts are collected for coded-wire tag extraction

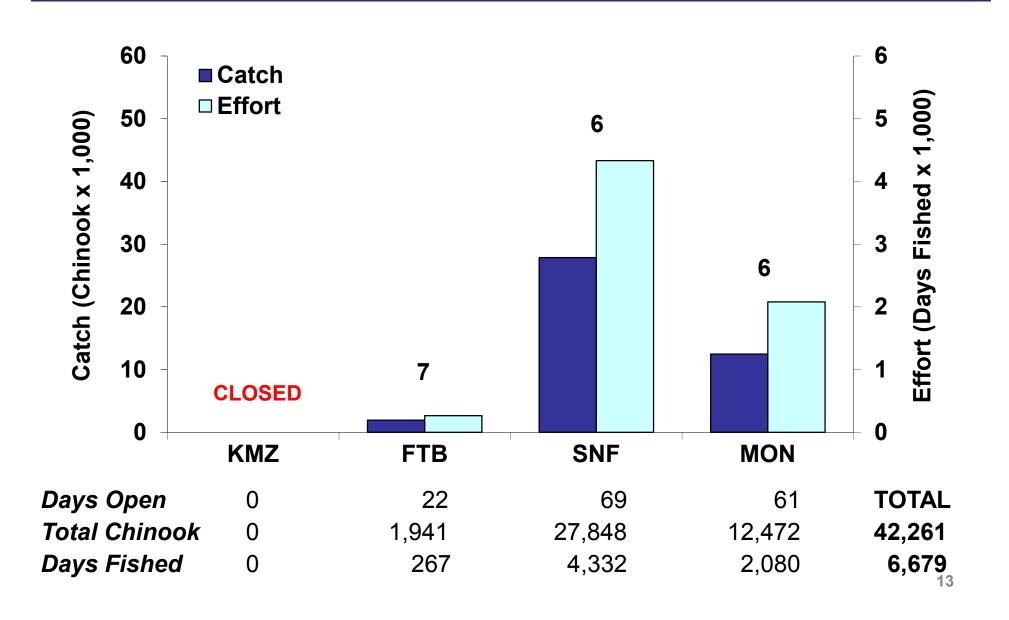


Commercial Catch and Effort, 2006-2017

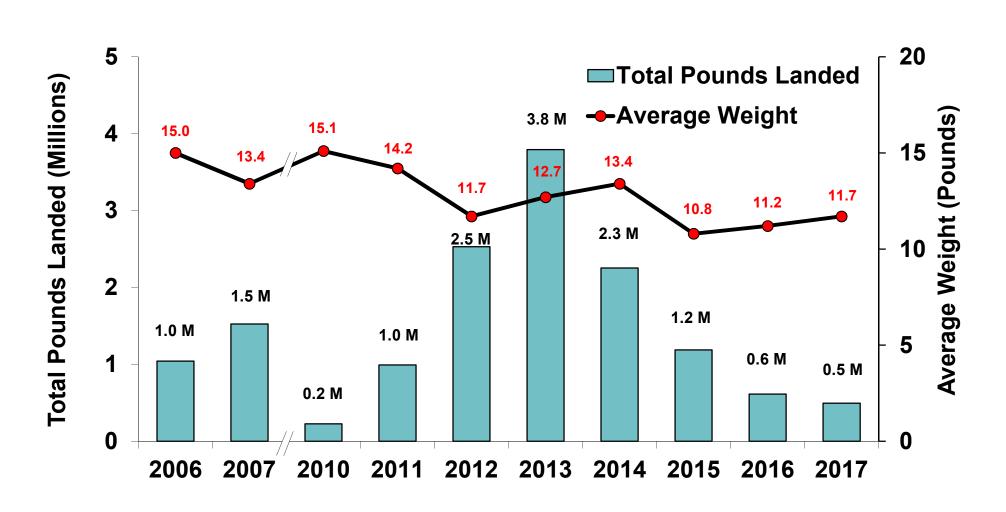


Days Open = All four management areas combined (Monterey treated as one area)

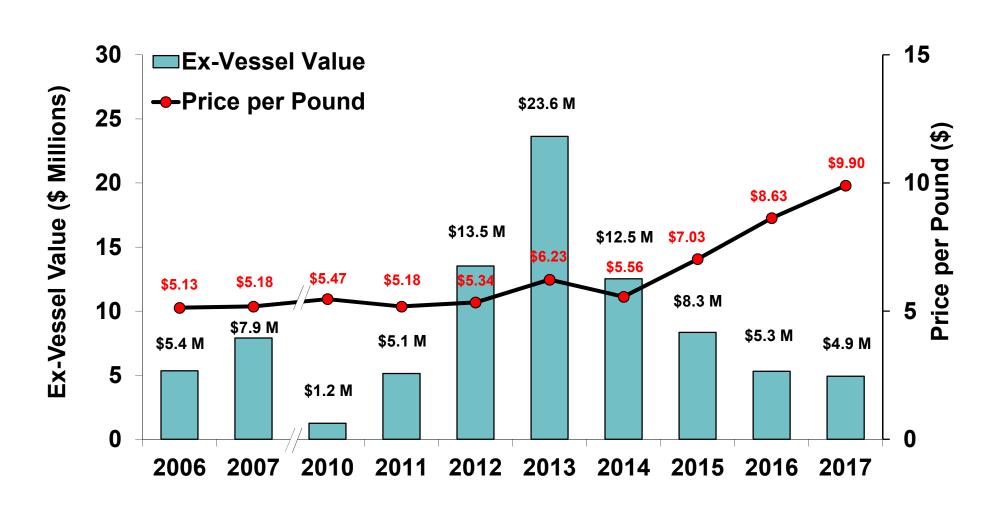
2017 Commercial Catch and Effort by Management Area



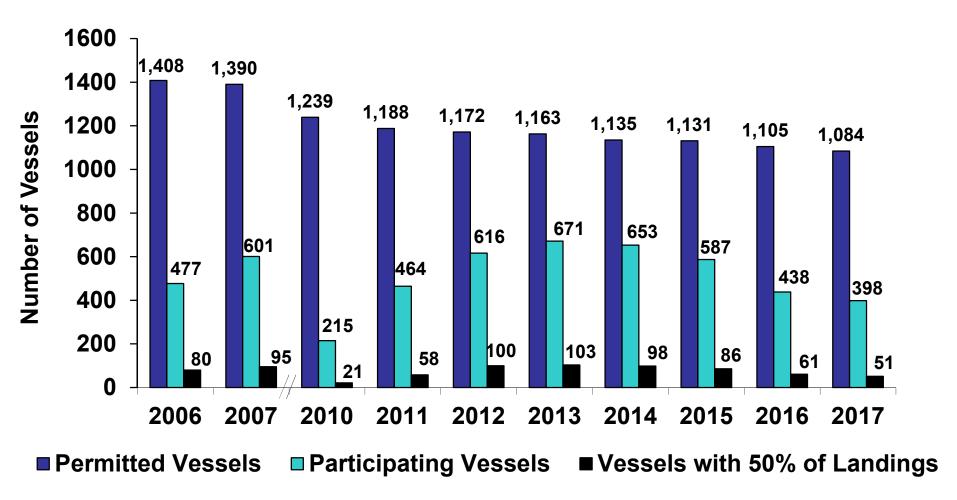
Total Commercial Pounds Landed and Average Weight, 2006-2017



Commercial Ex-Vessel Value and Price per Pound, 2006-2017



Number of Vessels with Landings Compared to Permitted Vessels, 2006-2017

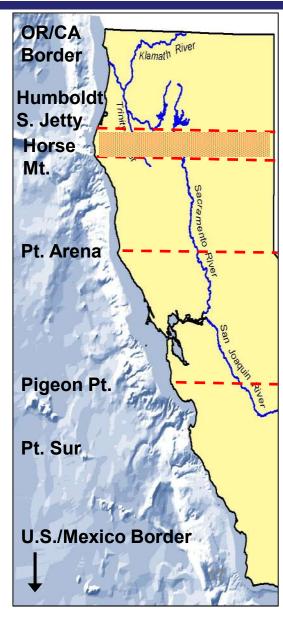


2017 Fort Bragg Management Area September Quota Fishery

Fort Bragg: Horse Mt. to Pt. Arena (22 days)

Sep 1-30, F-Tues Quota = 3,000

- Quota: 3,000 Chinook
- Catch: 1,941 Chinook
 - 85% landed in first period
- Landing limit: 60 Chinook/open period
- 12% of landings reached 60 Chinook
 - All in first period
- Total boats participating: 63
- Ex-vessel value: \$193,875
- Average price/lb: \$9.56

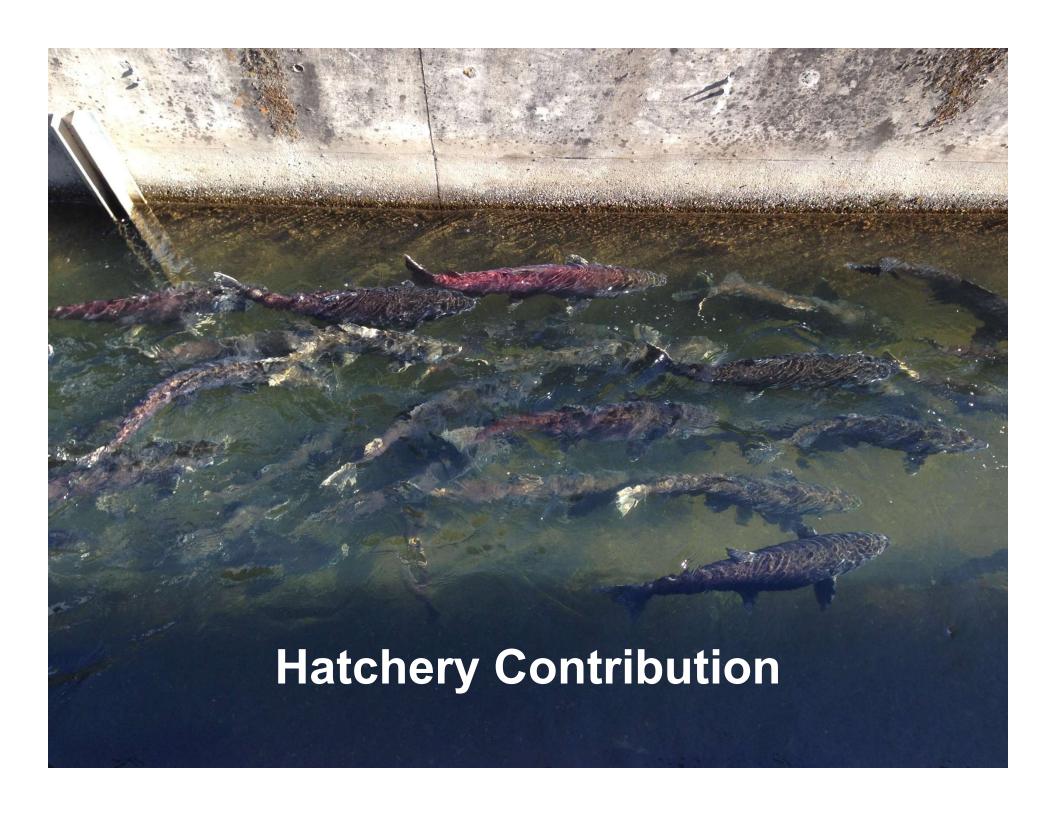


2017 Fall Ocean Fisheries Impacts on Age-4 Klamath River Fall Chinook

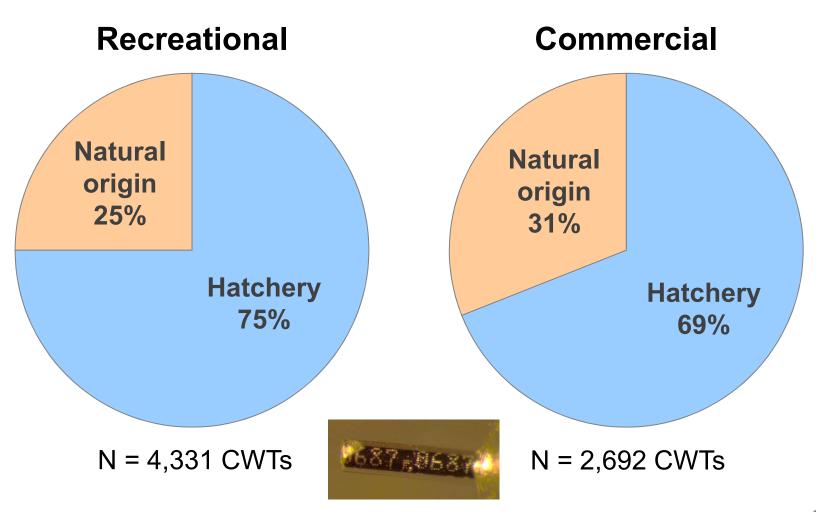
Area	Recreational	Commercial
Northern Oregon	0	0
Coos Bay	0	0
KMZ - Oregon	0	0
KMZ - California	-	-
Fort Bragg	0	139
San Francisco	0	31
Monterey	0	-
Total	0	170

0.6% age-4 ocean harvest rate in fall fisheries, which will be deducted from the 16% allowable ocean harvest rate when determining the 2018 season structure

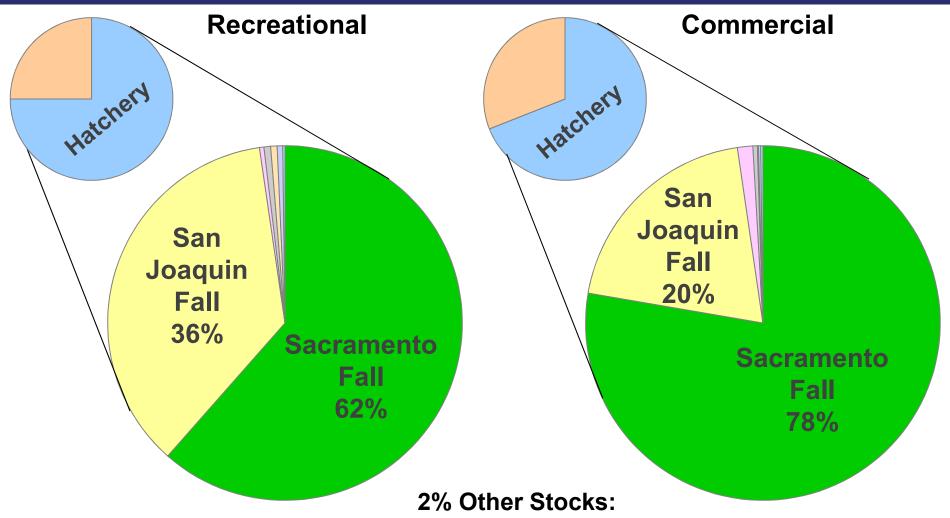




Hatchery Contribution to 2017 CA Ocean Fisheries

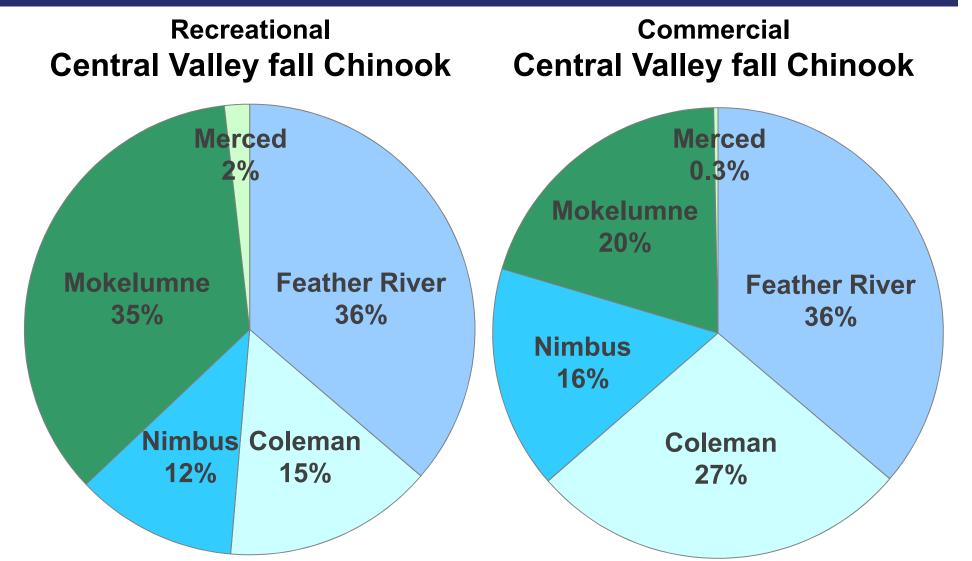


Hatchery Contribution to 2017 CA Ocean Fisheries



Klamath Fall (0.8%), Central Valley Late-Fall (0.5%), Central Valley Spring (0.4%), Sacramento Winter (0.4%), Other (0.2%)

Hatchery Contribution to 2017 CA Ocean Fisheries





Department of Fish and Wildlife Ocean Salmon Project

