

Department of Fish and Wildlife Ocean Salmon Project

2015 California Ocean Salmon Fisheries

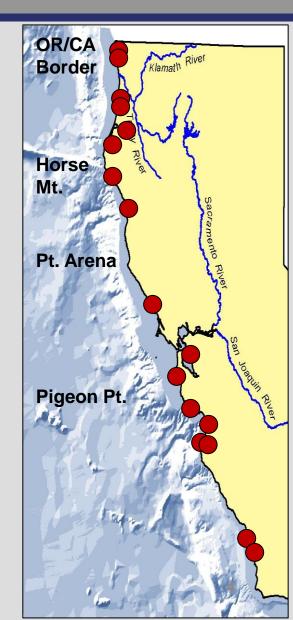
Presented by Alex Letvin Estimate salmon harvest & fishing effort for each management area by half month periods for all California ocean salmon fisheries

 Determine contribution rates of specific salmon stocks by age using coded-wire tag recoveries by fishery, time, and management area

Recreational Salmon Fishery

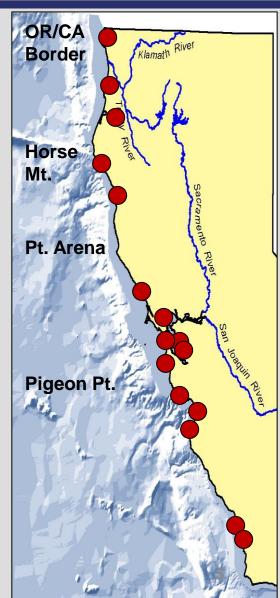
Sample Design – Private Skiff Fishery

- Random stratified sampling design using weekday and weekend/holiday strata (i.e., skiff days)
- Sampling unit: 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
 - 617 skiff days sampled during the 2015 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



Sample Design – CPFV Fishery

- Commercial Passenger Fishing Vessels (CPFV)
 - Sampling unit: each CPFV trip
 - Sample ≥ 20% of all salmon-targeting CPFV trips in each management area and period
 - Approximately 100 CPFVs target salmon at 16 primary sample sites
 - 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



2015 California Recreational Season

Klamath Management Zone: OR/CA Border to Horse Mt. (130 days)

May 1		Sep 7
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Fort Bragg: Horse Mt. to Pt. Arena (219 days)

Apr 4	Nov 8
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San Francisco: Pt. Arena to Pigeon Pt. (211 days)

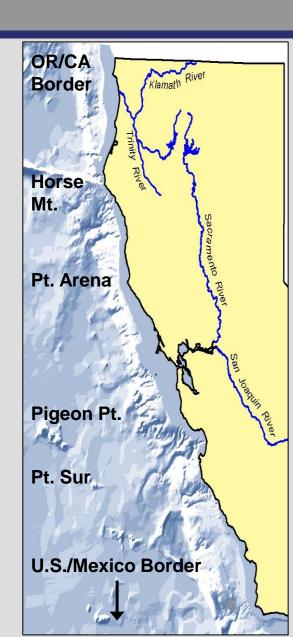
Apr 4		Oct 31
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Monterey North: Pigeon Pt. to Pt. Sur (157 days)

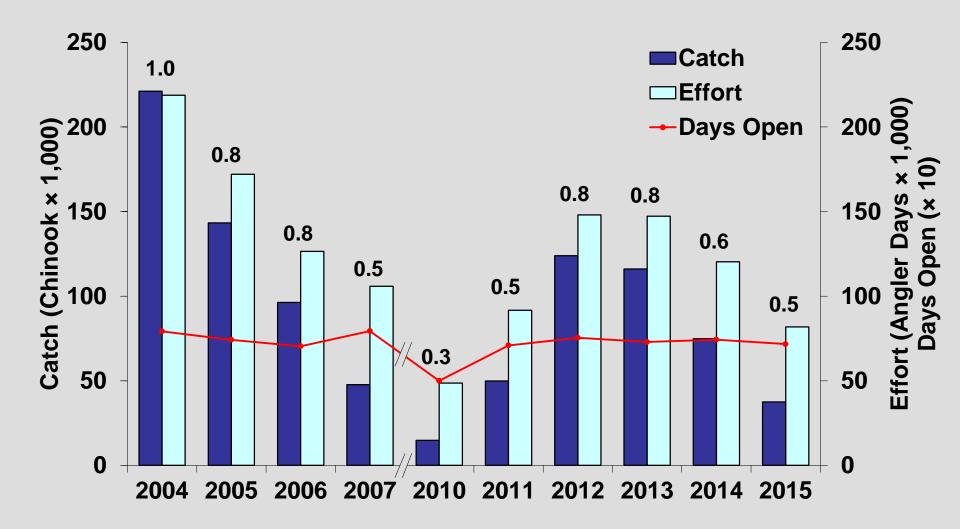
Apr 4 Sep 7	
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Monterey South: Pt. Sur to U.S./Mexico Border (107 days)

Minimum size limit 20", except 24" in San Francisco through April and in Monterey areas through May; 2 fish per day

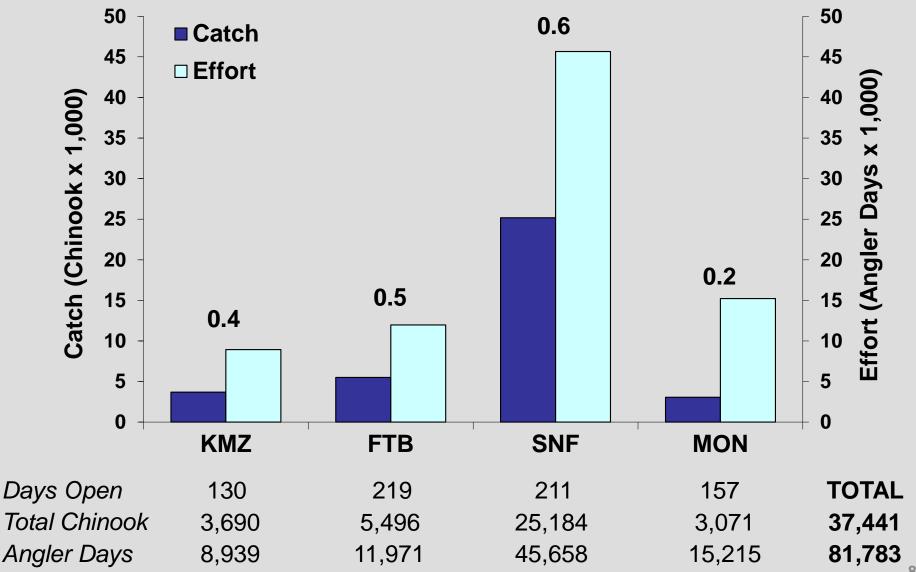


Recreational Catch and Effort, 2004-2015



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

2015 Recreational Catch and Effort by Management Area



Commercial Salmon Fishery

MARIAN

KAREN

Miss

s Jessie

Sample Design – Commercial Fishery

- Sample ≥ 20% of all landings by weight in each management area and period
- Sampling unit: each commercial landing
- Samplers observe, identify to species, and count all salmon being offloaded
- Each salmon inspected for missing adipose fin and all marked fish are set aside and the heads are taken for coded-wire tag recovery
- Determine average weight and days fished from sampled landings by catch area and sample period

2015 California Commercial Season

Klamath Mgmt. Zone: OR/CA Border to Humboldt S. Jetty (18 days)

	Sep 11-15, 18-30
	Quota = 3,000

Fort Bragg: Horse Mt. to Pt. Arena (123 days)

May 1						Sep 30
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San Francisco: Pt. Arena to Pigeon Pt. (149 days)

May 1						*	Oct 15
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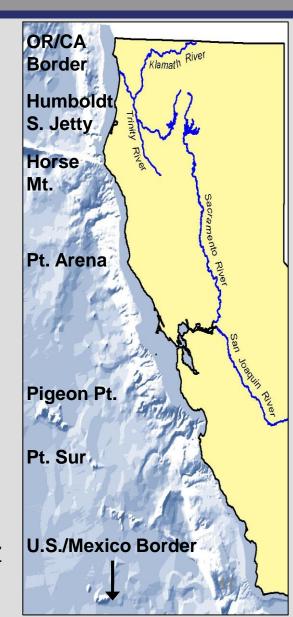
Monterey North: Pigeon Pt. to Pt. Sur (94 days)

May 1 Aug 15	
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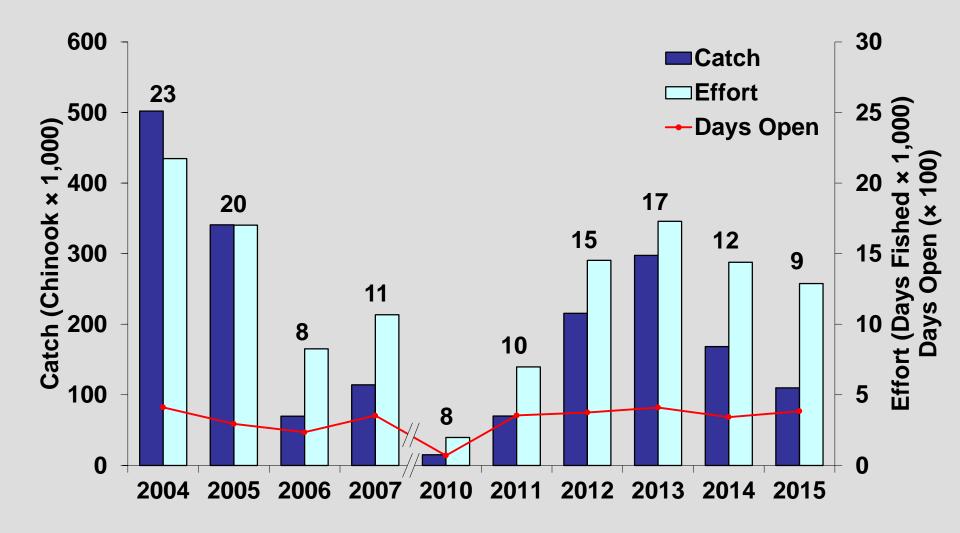
Monterey South: Pt. Sur to U.S./Mexico Border (79 days)

May 1						Jul 31
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- Statewide closures during start of June and July, end of August
- Minimum size limit 27", except 26" in SF after Aug and 28" in KMZ
- * Oct 1-15 fishery: open between Pt. Reyes and Pt. San Pedro; Mon-Fri

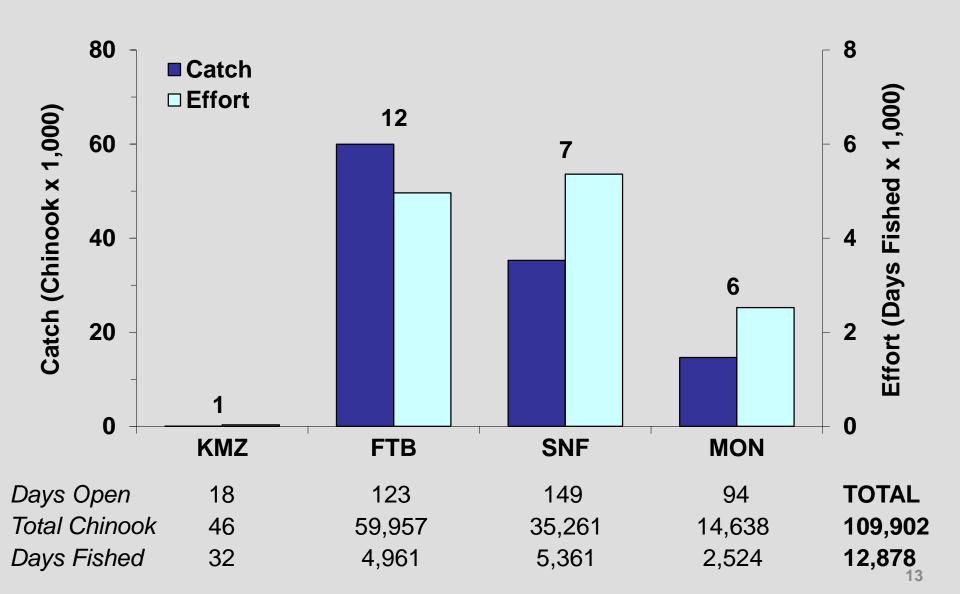


Commercial Catch and Effort, 2004-2015

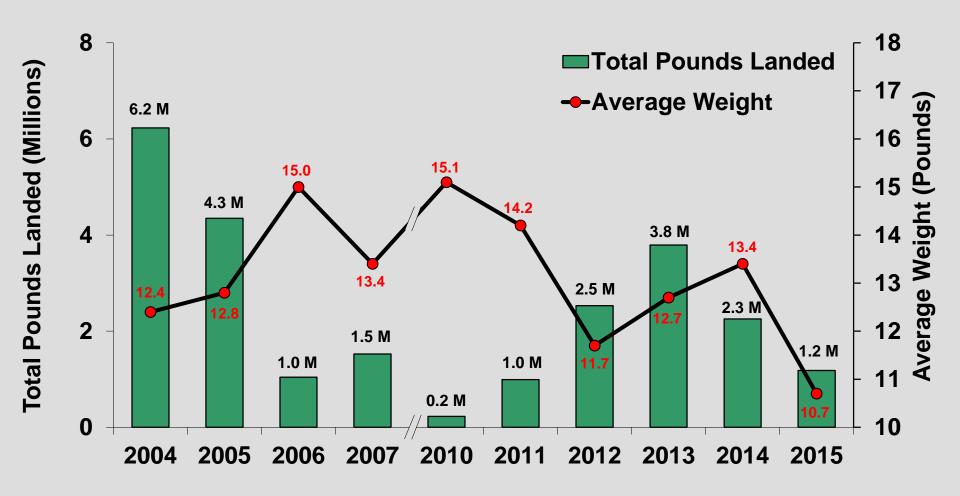


Days Open = All four management areas combined (Monterey treated as one area)

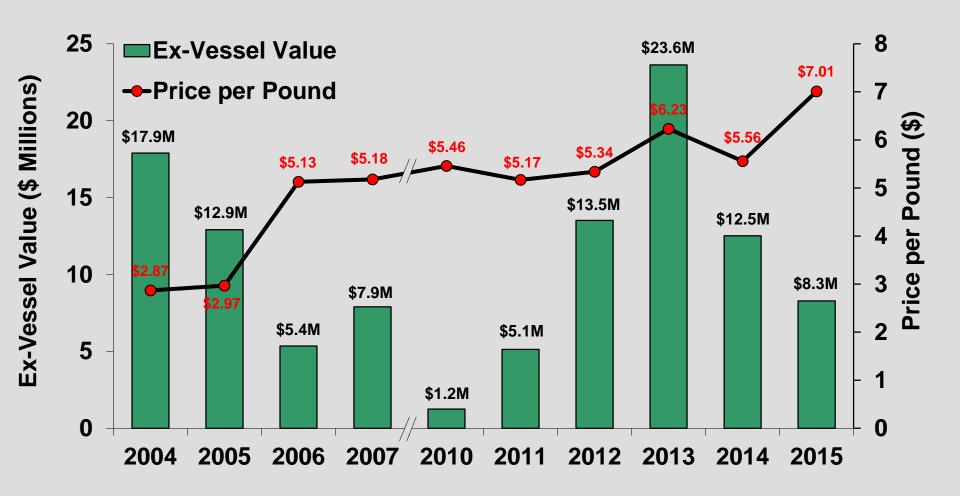
2015 Commercial Catch and Effort by Management Area



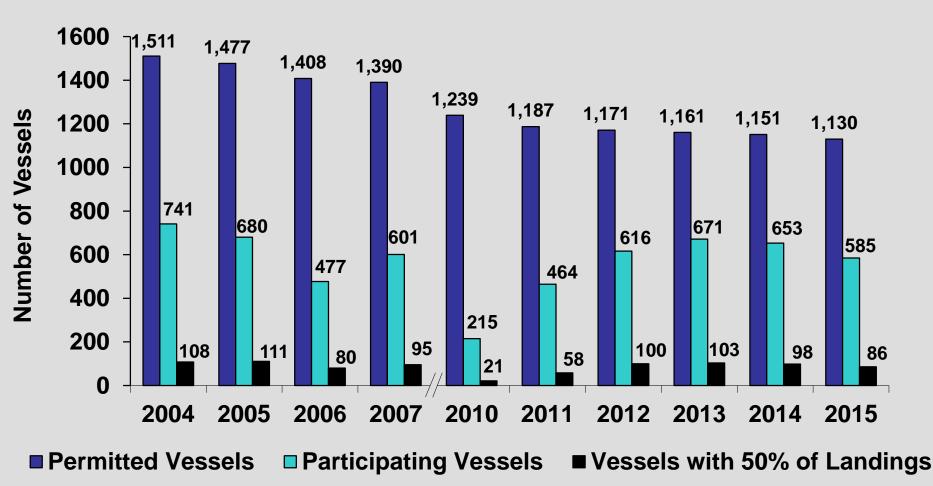
Total Commercial Pounds Landed and Average Weight, 2004-2015



Commercial Ex-Vessel Value and Price per Pound, 2004-2015



Number of Vessels with Landings Compared to Permitted Vessels, 2004-2015



2015 Klamath Management Zone September Quota Fishery

Season	Chinook Quota	Total Chinook Landed	Average Chinook Landed Per Day
Sep 11-15, 18-30 (18 Days)	3,000	46	3

Average Boats Participating Per Day	Average Daily Catch Per Boat
2	1.4

2015 Fall Ocean Fisheries Impacts on Age-4 Klamath River Fall Chinook

Area	Recreational	Commercial
Northern Oregon	0	0
Coos Bay	0	24
KMZ - Oregon	0	0
KMZ - California	0	0
Fort Bragg	0	0
San Francisco	0	0
Monterey	0	-
Total	0	24

- 24 age-4 Klamath River fall Chinook were harvested during 2015 fall ocean fisheries (September – November)
- Equates to a 0.1% age-4 harvest rate, which will be deducted from the 16.0% allowable harvest rate when determining the 2016 season structure

Hatchery Contribution to 2015 CA Ocean Fisheries

Hatchery Chinook Stock	Recreational (69%) N = 3,099 CWTs	Commercial (55%) N = 7,401 CWTs
Sacramento River Fall	76%	73%
San Joaquin River Fall	18%	16%
Klamath River Fall	1%	4%
Central Valley Spring	4%	3%
Pacific Northwest Stocks	1%	2%
Central Valley Late-Fall	0.3%	1%
Other Northern California Stocks	0.3%	1%
Sacramento River Winter	0.01%	0.005% ₁₉

Sacramento River Hatchery Fall Chinook, Contribution by Hatchery – CA Ocean Fisheries

Sacramento River Hatchery	Recreational	Commercial
Feather River Hatchery ~7 million fall Chinook released annually	63%	76%
Coleman National Fish Hatchery ~12 million fall Chinook released annually	23%	14%
Nimbus Fish Hatchery ~4 million fall Chinook released annually	14%	10%



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Thank You