

Agenda

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE 2014 OCEAN SALMON INFORMATION MEETING

Sonoma County Water Agency Office
404 Aviation Boulevard
Santa Rosa, California 95403

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**Wednesday, February 26, 2014
9:00 a.m. – 3:00 p.m.**

Welcome - Moderator Opening Comments and Review Agenda	Brett Kormos, CDFW (9:00 AM)
2013 California Ocean Salmon Sport and Commercial Fisheries Overview	Jennifer Simon, CDFW (9:15 a.m.)
2013 Central Valley Chinook Spawner Escapement	Alex Letvin, CDFW (9:35 a.m.)
2013 Central Valley Chinook River Sport Fisheries	Mike Brown, CDFW (9:55 a.m.)
BREAK (15 minutes)	(10:10 a.m.)
2013 Klamath Basin Chinook Spawner Escapement, Harvest and Age Composition	Wade Sinnen, CDFW (10:25 a.m.)
NMFS 2014 Ocean Salmon Fishery Guidance	Heidi Taylor, NMFS (10:45 a.m.)
Abundance Forecasts and Harvest Model Results	Dr. Michael O'Farrell, NMFS (11:15 a.m.)
LUNCH BREAK (1 hour)	(11:50 a.m.)

Welcome Back / Introduction of CA Panel

Brett Kormos, CDFW
(12:50 p.m.)

Public Comment to California Salmon Management Panel

(1:00 p.m.)

Panel members:

Ms. Marci Yaremko, CDFW Marine Region, PFMC-CDFW Designee

Mr. Dan Wolford, CA PFMC member

Mr. David Crabbe, CA PFMC member

Mr. Mark Helvey, NMFS WCR, PFMC-NMFS Designee

Mr. Dave Bitts, PFMC-SAS, CA Troll

Mr. Marc Gorelnik, PFMC-SAS, CA Sport Fisheries

Mr. Craig Stone, PFMC-SAS, CA Charter Boat

Mr. Dave Hillemeier, PFMC-SAS, CA Tribes

Mr. Jim Hie, PFMC-SAS, Conservation

Dr. Michael O'Farrell, NMFS SWFSC, PFMC-STT, Vice-Chair

Ms. Melodie Palmer-Zwahlen, CDFW, PFMC-STT

Closing Comments and Evaluation Form

Brett Kormos, CDFW
(2:45 p.m.)

Acronyms:

CDFW: California Department of Fish and Wildlife

NMFS: National Marine Fisheries Service

PFMC: Pacific Fishery Management Council

SAS: PFMC Salmon Advisory Subpanel

STT: PFMC Salmon Technical Team

SWFSC: NMFS Southwest Fisheries Science Center, Santa Cruz, CA

WCR: NMFS West Coast Region



Department of Fish and Wildlife Ocean Salmon Project

2013 California Ocean Salmon Fisheries

Presented by
Jennifer Simon

Ocean Salmon Project Objectives

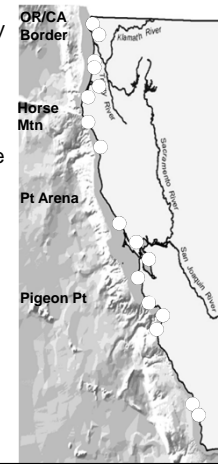
1. Estimate salmon harvest & fishing effort for each management area by half month periods for all California ocean salmon fisheries.
2. Determine contribution rates of specific salmon stocks by age using coded-wire tag recoveries by fishery, time, and management area.

Recreational Salmon Fishery



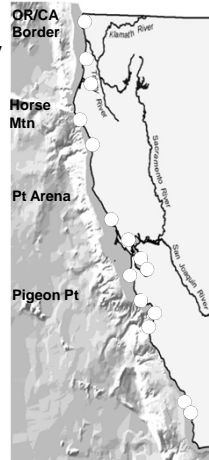
Sample Design – Private Skiff Fishery

- Random stratified sampling design using weekday and weekend/holiday strata (i.e. skiff days)
- 20-25 primary salmon skiff sample sites
- CRFS samples at least 20% of all skiff days in each management area
 - Average 7 sample days per month at each site
 - 684 skiff days sampled in 2013
- Sampling unit: all skiff trips made at a sample site for an entire day
- Samplers observe 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)**
 - Sample 20% or more of all salmon-targeting CPFV trips in each management area
 - Over 100 CPFVs target salmon at 16 primary sample sites
 - Sampling unit: each CPFV trip
 - Samplers observe 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



2013 California Recreational Season

Klamath Mgt Zone: OR/CA Border to Horse Mt. (131 days)



Fort Bragg: Horse Mt. to Pt. Arena (219 days)



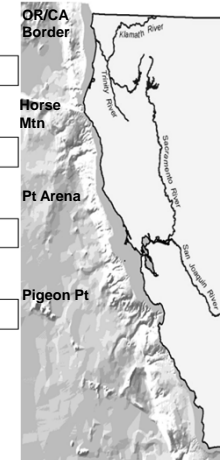
San Francisco: Pt. Arena to Pigeon Pt. (207 days)



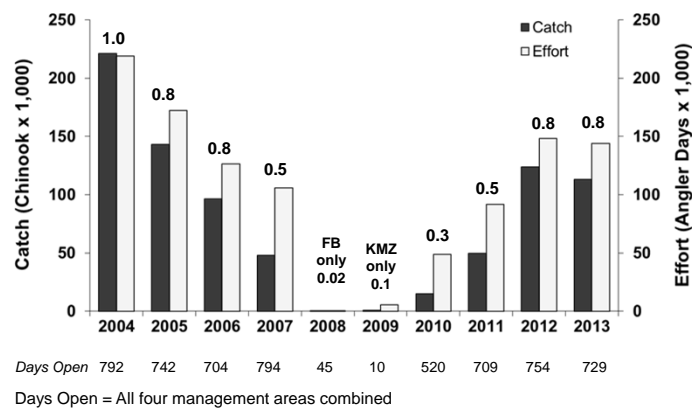
Monterey South: Pigeon Pt. to US/Mexico Border (172 days)



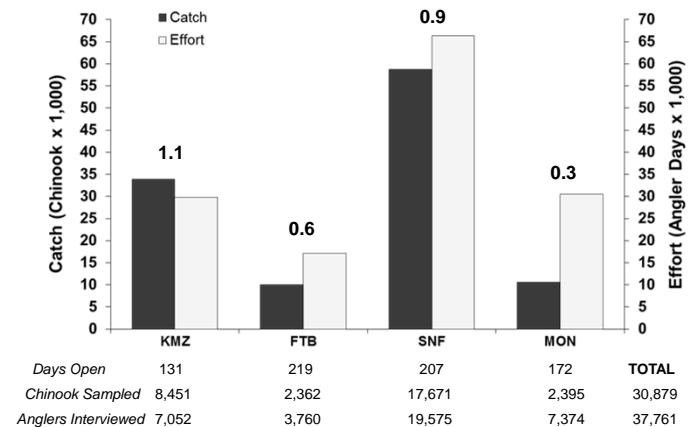
Minimum size limit 20" north of Pt. Arena, 24" in SF through July, 20" thereafter; 24" south of Pigeon the entire season; 2 fish per day



Recreational Catch and Effort, 2004-2013



2013 Recreational Catch and Effort by Management Area



Commercial Salmon Fishery



Sample Design – Commercial Fishery

- **Sampling unit: each commercial landing**
- **Ocean Salmon Project samples >20% all landings by weight in each management area**
- **Samplers observe and count all salmon being unloaded**
- **Adipose fin clipped salmon**
 - Each salmon inspected for missing adipose fin
 - Adipose fin-clipped salmon are set aside and the snouts are collected for coded-wire-tag extraction

2013 California Commercial Season

Klamath Mgt Zone: OR/CA Border to Humboldt S. Jetty (45 days)

May 1-10	June 1-9, 11	July 15-21	Aug 1-3	Sep 16-30
3,000	3,352	2,547	1,692	3,000

Fort Bragg: Horse Mt. to Pt. Arena (104 days)

May 22-June 8	July 15 - Sep 30
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San Francisco: Pt. Arena to Pigeon Pt. (136 days)

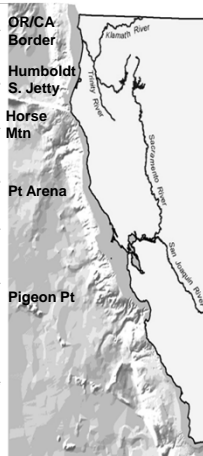
May 1 - June 8	July 15 - Sep 30	Oct 1-15 (M-F)
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Monterey South: Pigeon Pt. to US/Mexico Border (125 days)

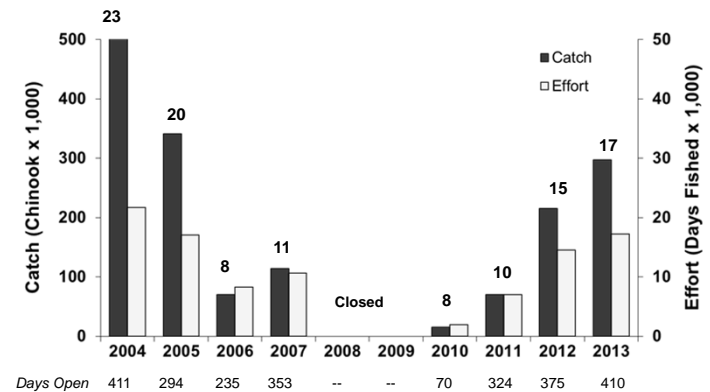
May 1 - June 8	July 15 - Sep 30
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Minimum size limit 27" north of Pt. Arena

SF and MON minimum size limit 27" through August, 26" thereafter

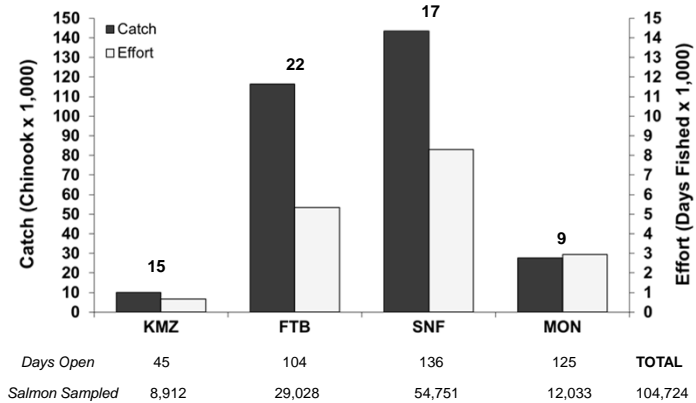


Commercial Catch and Effort, 2004-2013

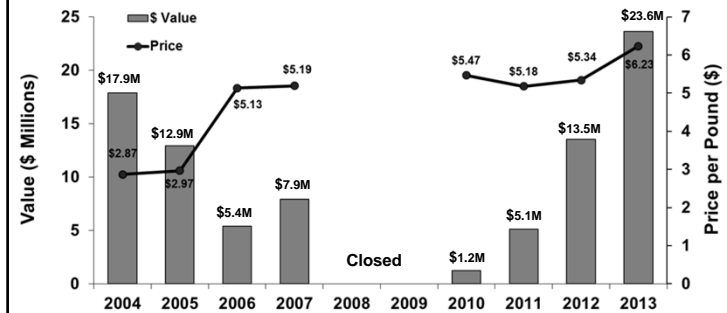


Days Open = Actual days open in all four management areas combined

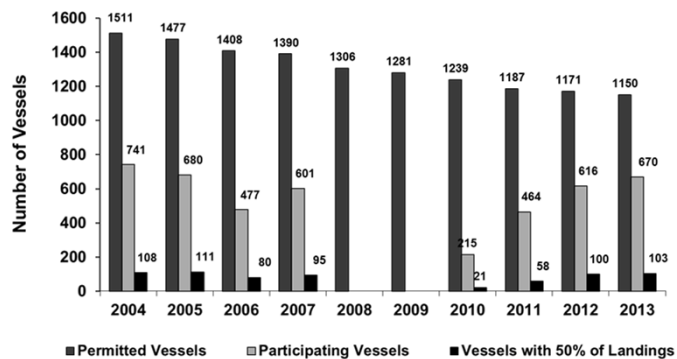
2013 Commercial Catch and Effort by Management Area



Commercial Ex-Vessel Value and Price per Pound, 2004-2013



Number of Vessels with Landings Compared to Permitted Vessels, 2004-2013



2013 KMZ Quota Fisheries

Season Dates	Original Quota	Inseason Quota	# Chinook	# vessels	Avg \$ price	Total \$ Value
May 1-10	3,000	3,000	2,688	37	\$8.44	\$209,000
June 1-9, 11	3,000	3,352	2,888	52	\$6.46	\$211,000
July 15-21	2,000	2,547	2,374	36	\$5.34	\$149,000
Aug 1-3	1,500	1,692	1,991	43	\$5.35	\$128,000
Sep 16-30	6,000	6,000	184	48	\$6.22	\$13,000
				93	\$6.38	\$710,000

Hatchery Contribution to 2013 CA Ocean Fisheries

Hatchery Chinook Stock	Recreational (57%) N = 5,964 CWTs	Commercial (47%) N=17,018 CWTs
Sacramento River Fall	82%	81%
San Joaquin River Fall	7%	7%
Klamath River Fall	6%	8%
Central Valley Spring	3%	2%
Central Valley Late-Fall	1%	1%
Klamath River Spring	0.5%	0.3%
OR/WA stocks	0.3%	0.5%

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

<u>Sacramento Hatchery</u>	<u>Recreational</u>	<u>Commercial</u>
Feather River Hatchery	48%	46%
Coleman National Fish Hatchery	37%	37%
Nimbus Fish Hatchery	15%	17%

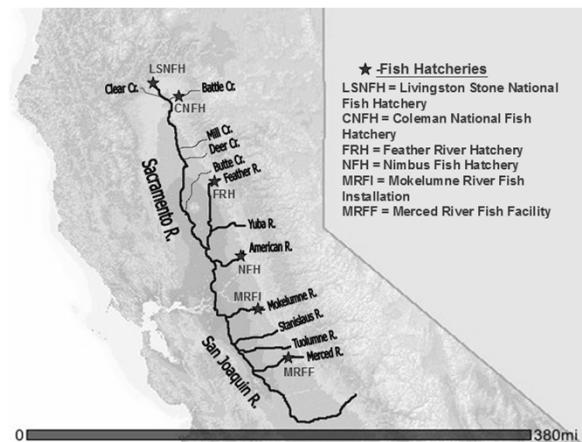


Department of Fish and Wildlife Ocean Salmon Project

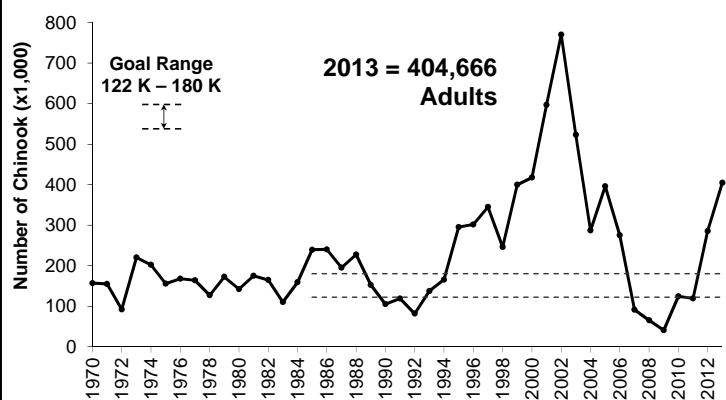
2013 Central Valley Chinook Salmon Spawning Escapement

Presented by
Alex Letvin

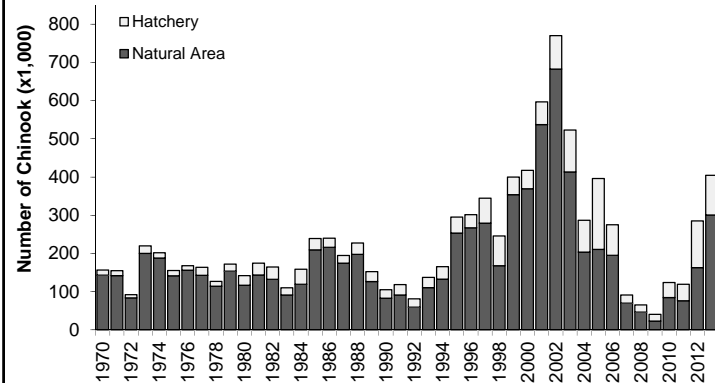
The Central Valley



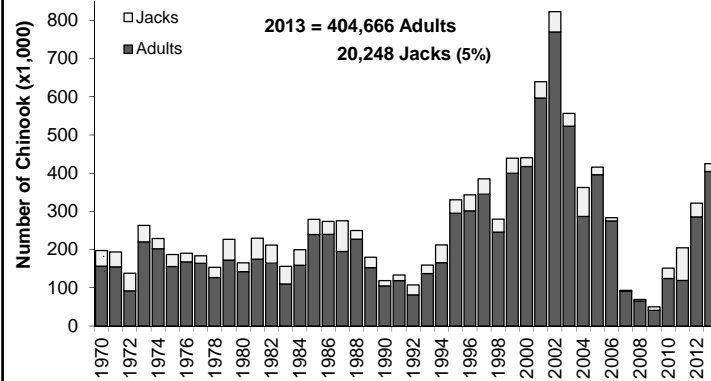
Sacramento River Fall Chinook Adult Spawning Escapement, 1970-2013



Sacramento River Fall Chinook Hatchery & Natural Area Spawning Escapement, 1970-2013

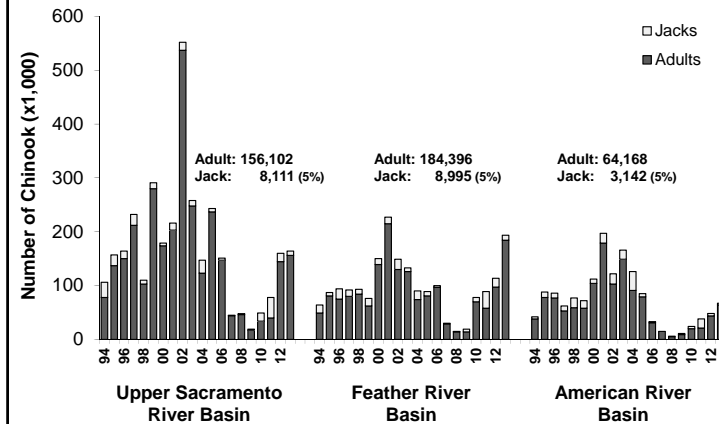


Sacramento River Fall Chinook Adult & Jack Spawning Escapement, 1970-2013



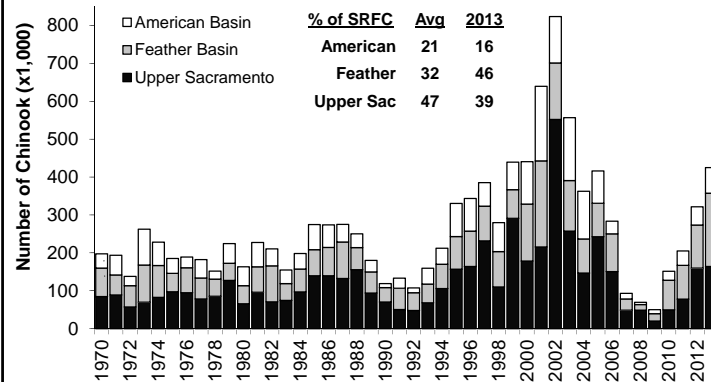
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Sacramento River Fall Chinook Basin Adult & Jack Spawning Escapement – 20 years



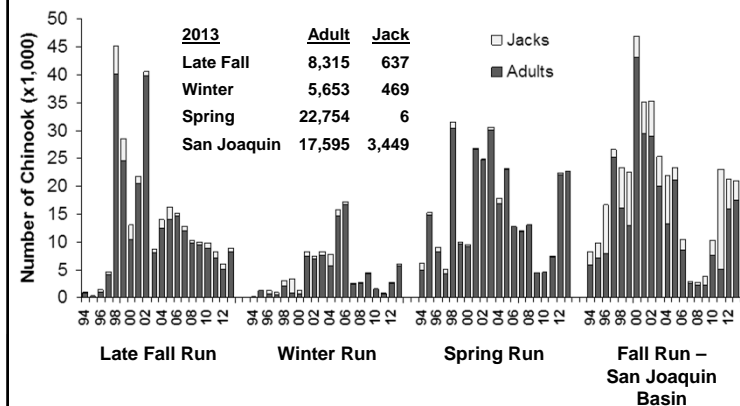
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Sacramento River Fall Chinook Basin Total Spawning Escapement, 1970-2013



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Other Central Valley Chinook Stocks Spawning Escapement – 20 years



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Department of Fish and Wildlife Ocean Salmon Project

Thank You

Alex Letvin
Environmental Scientist
CDFW – Ocean Salmon Project
Alexander.Letvin@wildlife.ca.gov
(707) 576-3456

More information available at:
www.pcouncil.org/salmon

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2013 Sacramento River Fall Chinook Hatchery and Natural Area Escapement

		Jacks	Adults	Total	% Jack	% Nat	% SRFC Total
Upper Sacramento River Basin	Hatchery	2,379	67,294	69,673	3%		16%
	Natural	<u>5,732</u>	<u>88,808</u>	<u>94,540</u>	<u>6%</u>	58%	<u>22%</u>
		8,111	156,102	164,213	5%		39%
Feather River Basin (including Yuba River)	Hatchery	2,381	24,893	27,274	9%		6%
	Natural	<u>6,614</u>	<u>159,503</u>	<u>166,117</u>	<u>4%</u>	86%	<u>39%</u>
		8,995	184,396	193,391	5%		46%
American River Basin	Hatchery	1,338	11,703	13,041	10%		3%
	Natural	<u>1,804</u>	<u>52,465</u>	<u>54,269</u>	<u>3%</u>	81%	<u>13%</u>
		3,142	64,168	67,310	5%		16%
Total 2013 SRFC Escapement		20,248	404,666	424,914	5%	74%	100%

2013 Other Central Valley Chinook Stocks Hatchery and Natural Area Escapement

		Jacks	Adults	Total	% Jack	% Nat
Central Valley Late Fall Chinook	Hatchery	470	3,149	3,619	13%	
	Natural	<u>167</u>	<u>5,166</u>	<u>5,333</u>	<u>3%</u>	60%
		637	8,315	8,952	7%	
Sacramento River Winter Chinook	Natural	<u>469</u>	<u>5,653</u>	<u>6,122</u>	<u>8%</u>	100%
		469	5,653	6,122	8%	
Central Valley Spring Chinook	Hatchery	6	4,247	4,253	<1%	
	Natural	<u>---</u>	<u>18,507</u>	<u>18,507</u>	<u>---</u>	81%
		6	22,754	22,760	---	
San Joaquin Fall Chinook	Hatchery	1,663	4,605	6,268	27%	
	Natural	<u>1,786</u>	<u>12,990</u>	<u>14,776</u>	<u>12%</u>	70%
		3,449	17,595	21,044	16%	

CENTRAL VALLEY ANGLER SURVEY: 2013 Recreational Harvest of Chinook Salmon

Mike Brown & Rob Titus

California Department of Fish and Wildlife
Fisheries Branch
Anadromous Resource Assessment
Sacramento, California



2013 Central Valley Salmon Season

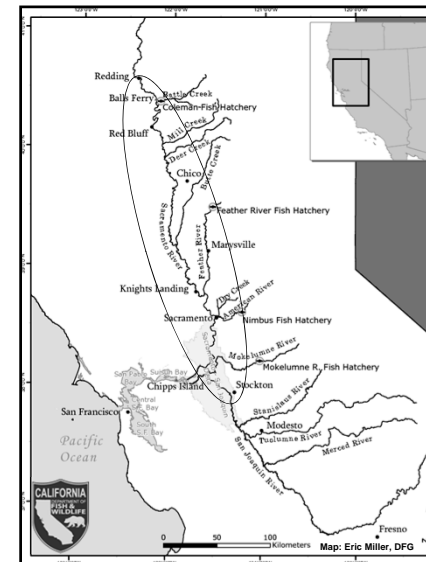


- **Lower American River:** Open July 16th- December 31st
- **Lower Feather River:** Open July 16th- December 16th
Excluding the low flow channel
- **Sacramento River –** Open July 16th- December 16th
Carquinez Bridge to Deschutes Road Bridge
- **Mokelumne River:** Open July 16th- December 16th

Central Valley Angler Survey



- Estimate angler effort targeting Chinook salmon
- Estimate harvest of Chinook salmon
- Estimate catch-per-unit-effort (CPUE)
- Collect biological information on the catch
- Recover coded-wire tags



Sampling Design:

- **19 survey sections:**
 - ***Sacramento River: Carquinez Bridge to Deschutes Rd Bridge***
 - ***Feather River***
 - ***American River***
 - ***Mokelumne River***
- **Eight randomly selected sampling days per month:**
 - ***four weekdays***
 - ***four weekend days***

Estimates of Chinook salmon effort, harvest and stock identification



Data collection via:

- *Roving angler counts*
- *Roving angler interviews*
- *Access point interviews*
- *Coded Wire Tag (CWT) Recovery*

Overview of 2013 Central Valley Sport Fishery for Chinook Salmon*

- **Effort:** 1,488,192 angler hours
- **Trips:** 293,228 angling days
- **Total catch:** 95,976 salmon
- **Harvest:** 66,555 salmon
- **Release:** 29,421 salmon
- **Pct retention:** 69%
- **Harvest rate:** 4 salmon per 100 angler hours



* Based on fishery statistics for the American, Feather, Mokelumne and Sacramento rivers, July – December 2013.

Raw Statistics

- Contacted over 11,300 fishing parties
- 4,388 salmon reported kept
- 3,846 Salmon observed
or 5.8% of the Estimated Harvest
- 797 adipose fin-clipped Salmon, or 20.7%
- 790 heads taken for CWT recovery, or 99%



Coded Wire Tag Recoveries

781 CWTs successfully recovered and read

- 39.0% Coleman National Fish Hatchery fall-run
- 27.2% Feather River Hatchery fall-run
- 12.2% Coleman National Fish Hatchery late-fall-run
- 9.4% Nimbus Hatchery fall-run
- 7.7% Mokelumne River Hatchery fall-run*
- 4.1% Feather River spring-run
- 0.5% Merced River Fish Facility fall-run
- 0% Winter-run

* 2009 Mokelumne River Hatchery production was 100% marked and coded wire tagged.

Sacramento River fall-run Chinook Salmon (SRFC) Harvest

Defined as any harvest of Chinook salmon in the American, Feather and Sacramento rivers.

Excludes

- Harvest in the Mokelumne River.
- Harvest in the Late-fall-run Chinook salmon fishery
- Known non-SRFC from the recovery of cwts

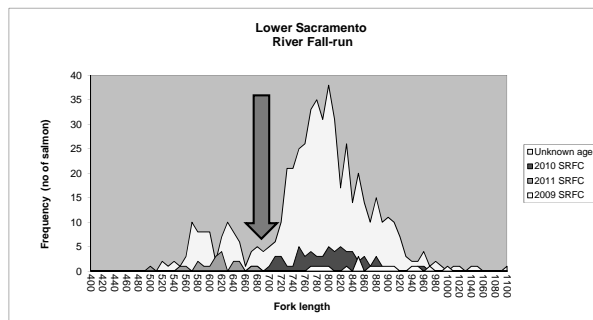
SRFC Inland harvest

- 61,672 SRFC in 2013, or 93% of all Chinook salmon harvest in the Central Valley.



Fork Length Frequency Analysis

- Conducted for each management zone to determine the delineation between two year old (grilse) and older SRFC Chinook salmon.



Grilse composition varied between management zones

- 17% Lower Sacramento
- 10% American River
- 9% Feather River
- 4% Upper Sacramento



Final SRFC Harvest Estimate

Overall 10% of the harvest were grilse

- 55,477 adult SRFC
- 6,195 grilse SRFC

2013 Sacramento River Late-fall-run Chinook Salmon Season

- Restricted to the Upper Sacramento River;
Knights Landing to Deschutes Road Bridge
- Open November 1st – December 16th
- Daily bag and possession limit of 2 Chinook salmon



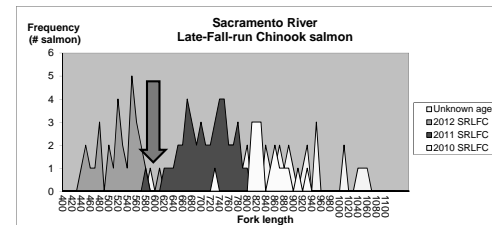
Sacramento River Late-Fall-Run Chinook Salmon Fishery



- **Effort:** 21,137 angler hours
- **Trips:** 3,702 angler trips
- **Harvest:** 1,265 salmon
- **Harvest rate:** 6 salmon per 100 angler hours

SRLFC Summary Statistics

- **58% Catch was of Hatchery Origin**
 - 99% SRLFC
 - 1% SJRFC-Mokelumne River Hatchery
- **Fork Length Frequency Analysis**
 - Grilse cutoff at 600mm resulting in 23% grilse



- **Final SRLFC Estimate:** 958 age 3 and older SRLFC

2013 Mokelumne River Fall-Run Chinook Salmon Season

- **Camanche Dam to Highway 12 overcrossing;**
 - Survey excluded Lake Lodi and a middle reach.
- **Open July 16st – December 16th**
- **Daily bag and possession limit of 2 Chinook salmon**



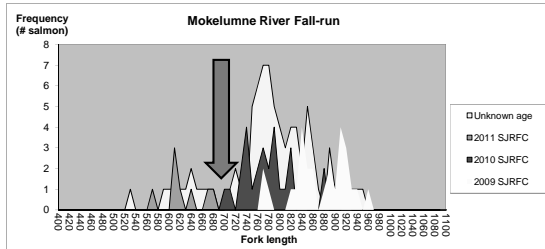
Mokelumne River Fishery San Joaquin Fall-run Chinook Salmon (SJRFC)



- **Effort:** 31,892 angler hours
- **Trips:** 5,695 angler trips
- **Harvest:** 1,239 salmon
- **Harvest rate:** 4 salmon per 100 angler hours

Mokelumne River Summary Statistics

- **30% Catch was of Hatchery Origin**
 - 99% San Joaquin River Fall-run Chinook Salmon
 - 1% SRFC
- **Fork Length Frequency Analysis**
 - Grilse cutoff at 690mm or 23% grilse



- **Final SJRFC Estimate: 958 adult, 247 grilse**

Contact Information

- Mike Brown
DFW / Central Valley Angler Survey
(916) 227-4989
Mike.Brown@wildlife.ca.gov



SUMMARY OF THE 2013 CENTRAL VALLEY CHINOOK SALMON SPORT FISHERY

Prepared by Mike Brown and Rob Titus
California Department of Fish and Wildlife
Fisheries Branch
8175 Alpine Avenue, Suite F
Sacramento, CA 95826
contact: Mike.Brown@wildlife.ca.gov

Season

Fishing for Chinook salmon in Central Valley rivers opened on 16 July 2013 on the Feather, American, and Mokelumne rivers and on the Sacramento River from the Carquinez Bridge to the Red Bluff Diversion Dam. An additional Sacramento River reach from the Red Bluff Diversion Dam to the Deschutes Road Bridge opened on 1 August 2012. Closing dates varied from 16 December through 31 December 2013. The varied closing dates were chosen to avoid contact with endangered winter-run Chinook salmon. The daily bag limit was 2 Chinook salmon with a 2 Chinook salmon possession limit for each licensed angler.

Methods

The fishery was monitored by California Department of Fish and Wildlife's Central Valley Angler Survey using a random stratified sampling design. The Angler Survey had a three stage sampling design that consists of roving counts, roving interviews, and access point interviews. The fishery area was divided into 19 survey sections that were sampled 8 times a month, resulting in a sampling rate of 27% of the total available fishing days. Biological data were collected on all harvested Chinook salmon. Coded-wire tags (CWT) from adipose fin-clipped salmon were used for stock identification and to determine age structure of the catch.

Fishery Results

Estimated angling effort in the Central Valley salmon fishery totaled 1,488,192 hours, corresponding to about 293,228 fishing trips. This level of effort was slightly greater than that estimated in 2012 (1,480,412 hours or 289,194 trips) and 96% of the average observed prior to the fall-run Chinook salmon decline in 2007. Total harvest in the Central Valley river fishery was estimated at 66,555 salmon with an additional 29,421 salmon caught and released. Retention rate of salmon was 69.3% of the catch. Based on observations of adipose fin-clipped salmon, 20.7% of the harvest consisted of Chinook salmon of hatchery origin. Of the 781 CWTs recovered and read, 75.5% were Sacramento Basin fall-run Chinook salmon, 12.2% were Coleman National Fish Hatchery late-fall-run Chinook salmon, 8.2% were San Joaquin Basin fall-run Chinook salmon, and 4.1% were Feather River Hatchery spring-run Chinook salmon.

The estimated harvest of just Sacramento Basin fall-run Chinook salmon was 61,672. Fork length (FL) frequency analysis (see figure below) was used to determine the delineation between 2-year-old (grilse) and older (adult) Sacramento Basin fall-run Chinook. The size break between the two age groups ranged from 670 to 690 mm FL in different parts of the basin, resulting in 10% of the overall harvest consisting of grilse. Grilse percentage ranged from 4% to 17% in sub-basins. The total estimated harvest of Sacramento Basin fall-run Chinook consisted of 6,195 grilse and 55,477 adults.

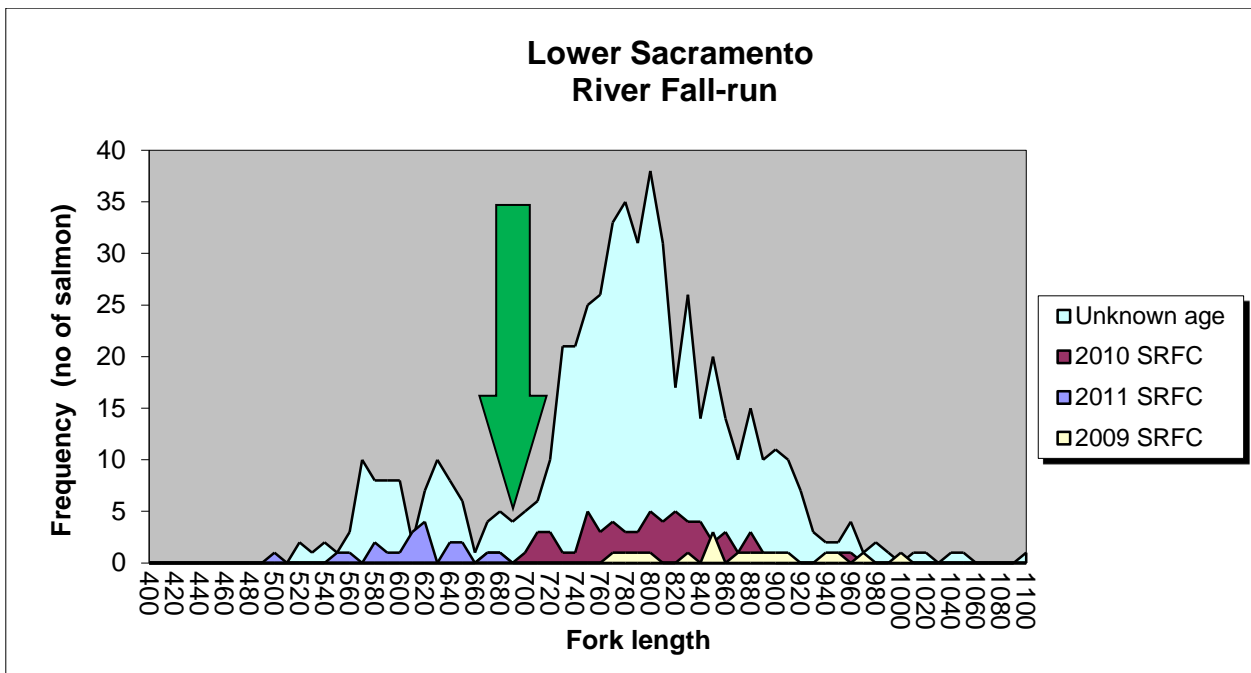


Figure. Fork length frequency distribution of Sacramento Basin fall-run Chinook salmon harvested in the lower Sacramento River during 2013. Years refer to progeny of a given brood year based on CWT recoveries in 2013.

Acknowledgment

California Department of Fish and Wildlife would like to thank the angling public for their cooperation in working with the Central Valley Angler Survey to provide data on their angling effort and catch, and for surrendering salmon heads for tag recovery.

Note: All statistics presented in this summary are preliminary and subject to change as they are finalized.



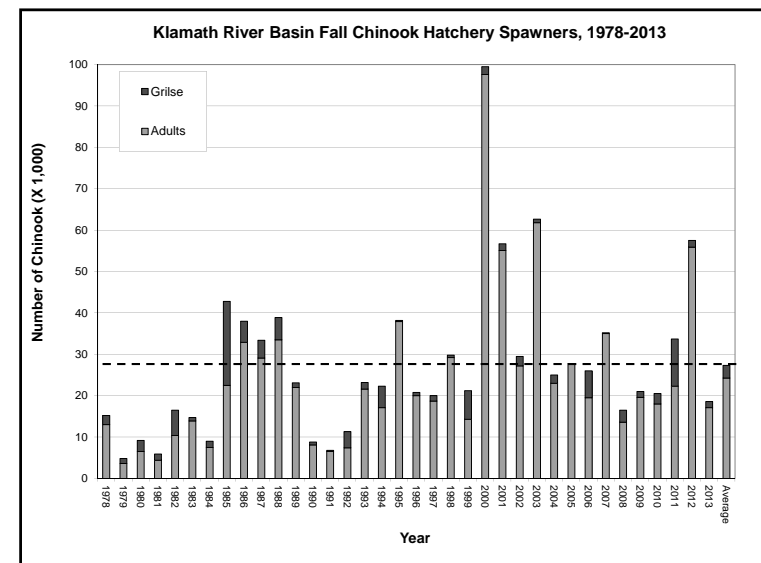
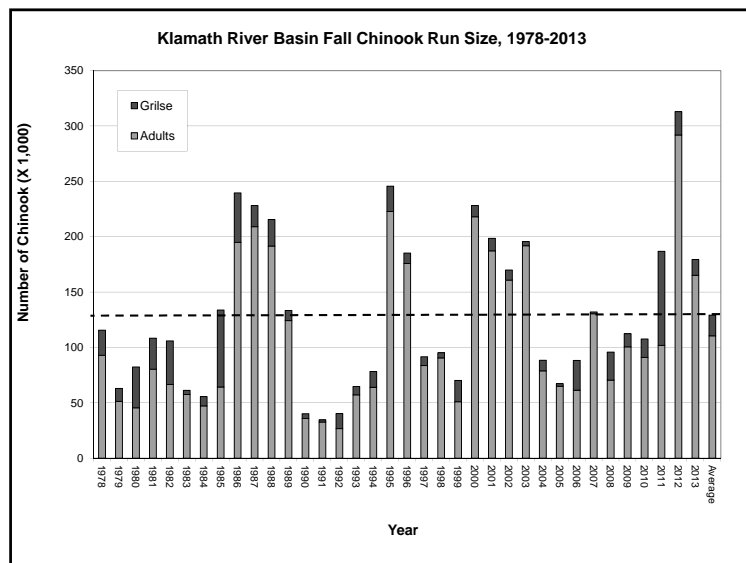
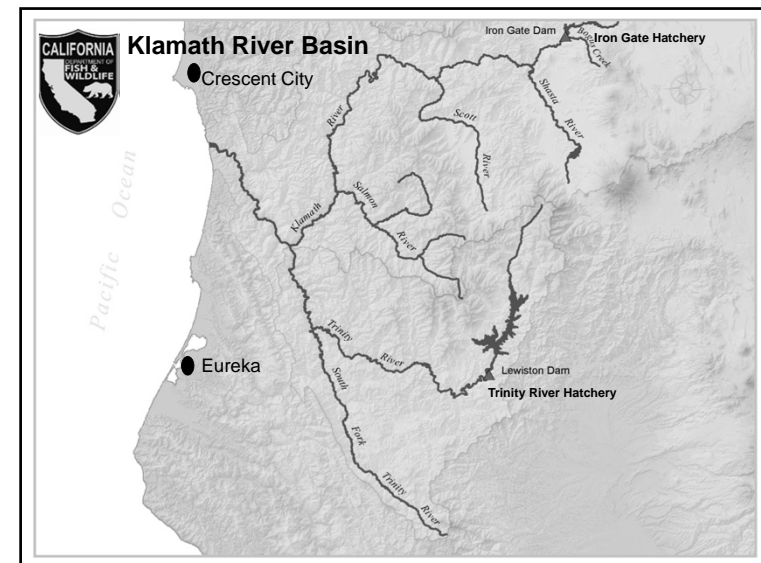
California Department of Fish and Wildlife

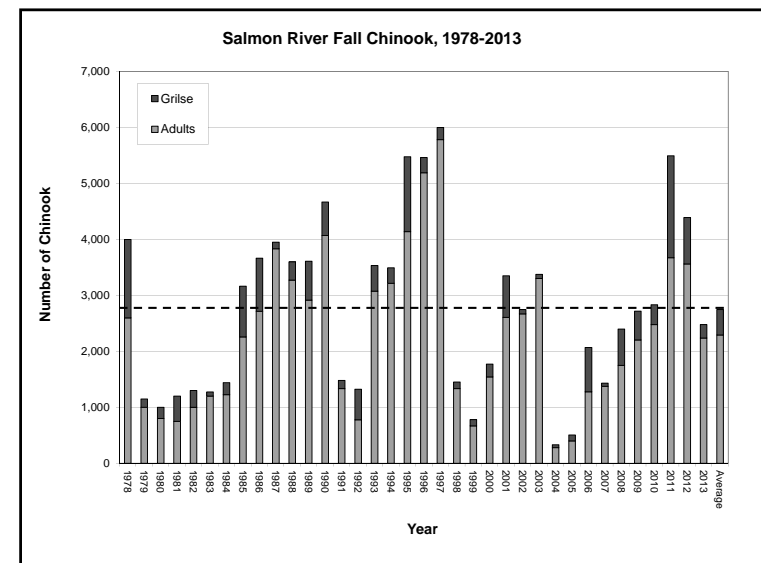
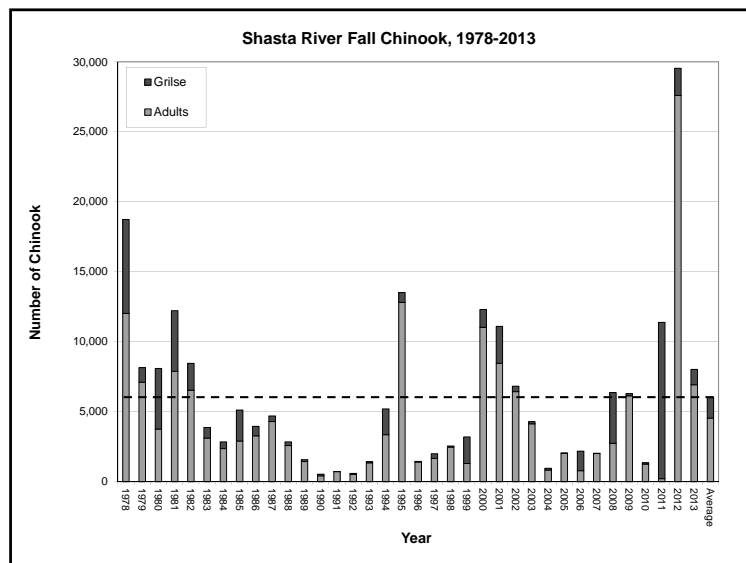
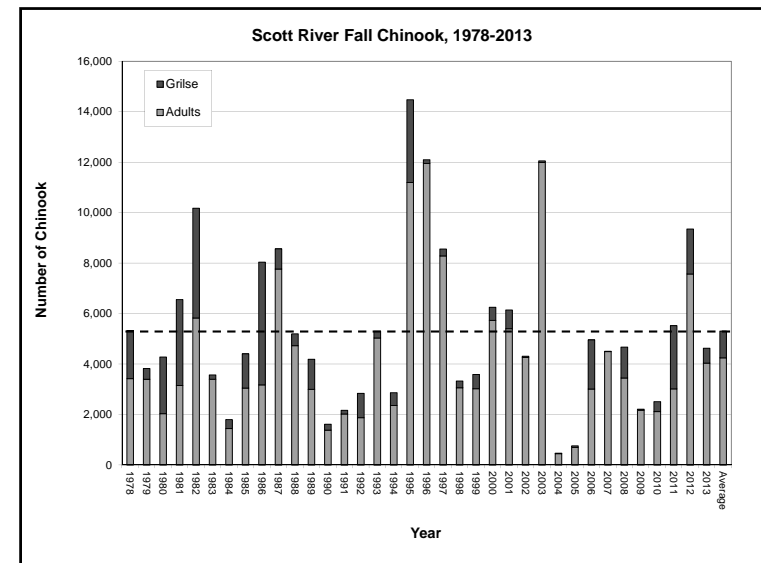
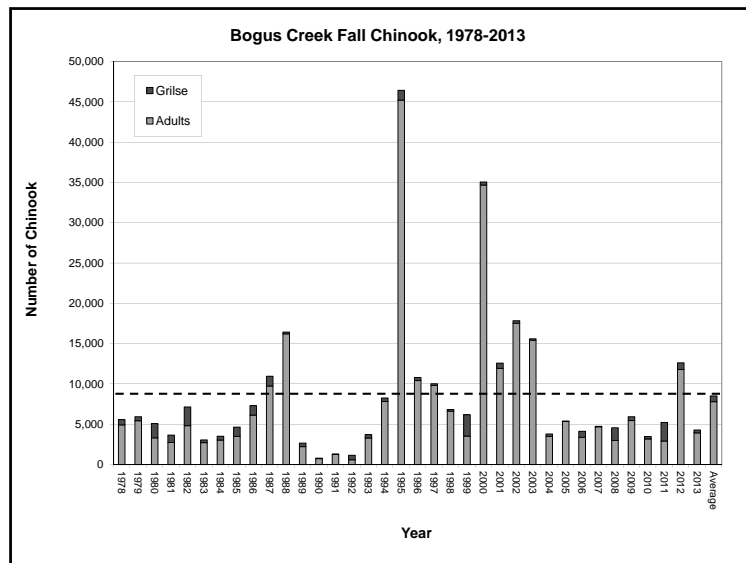
Klamath-Trinity Project

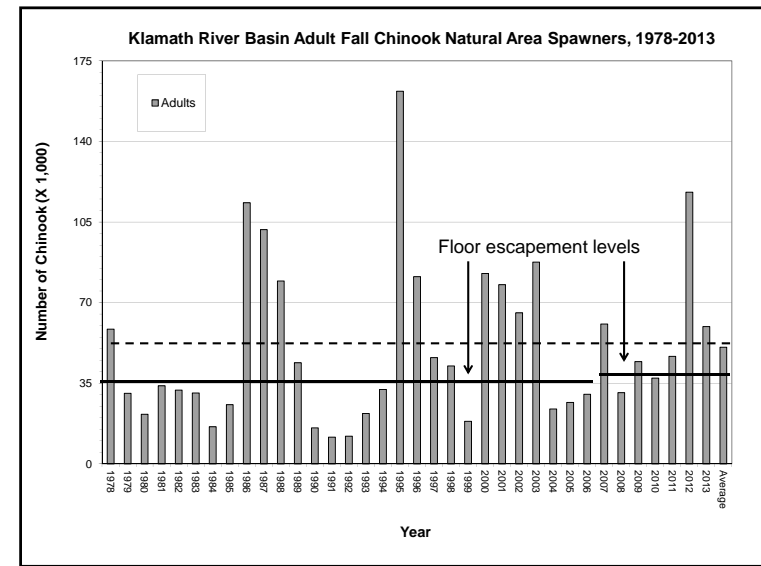
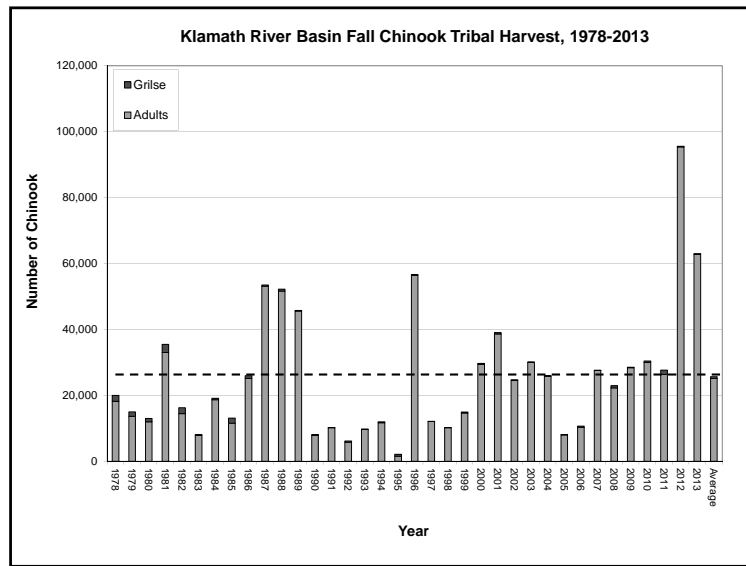
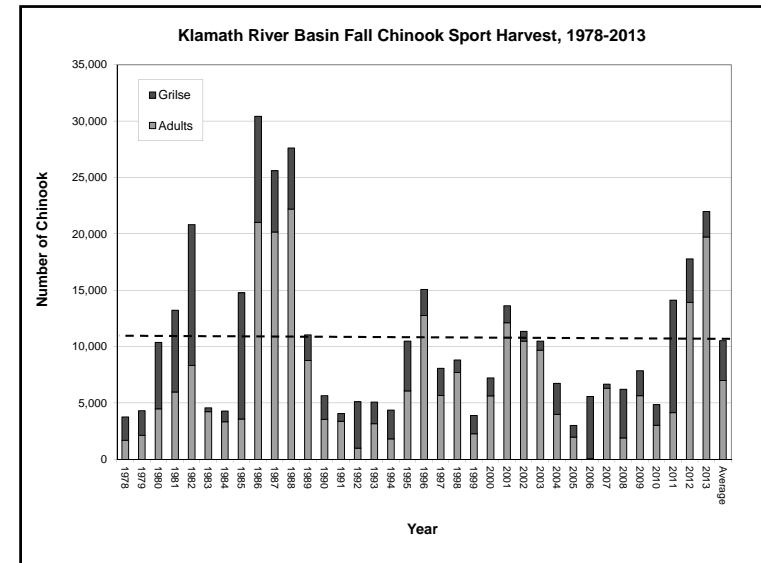
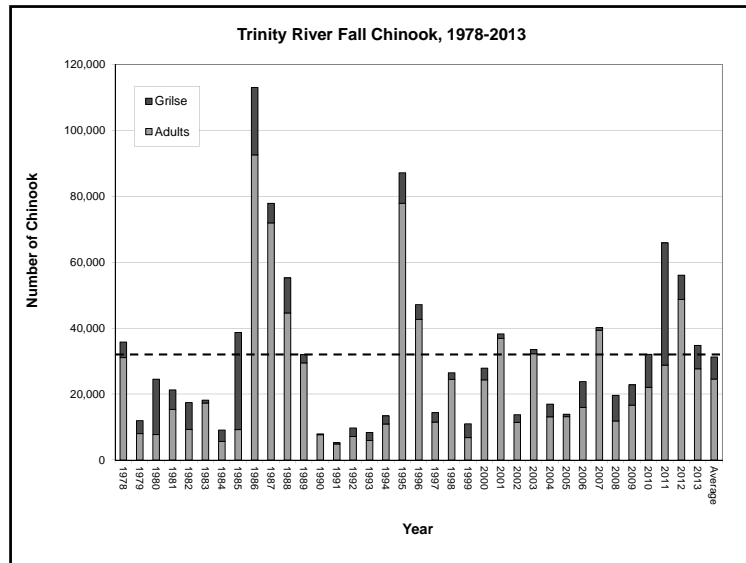
Klamath Basin Chinook Salmon

Spawning Escapement, Harvest and Age Composition

Salmon Information Public Meeting
Santa Rosa, CA. February 26, 2014
Wade Sinnen





Age composition of the 2013 Klamath River fall Chinook run*.						
Escapement & Harvest	AGE				Total Adults	Total Run
	2	3	4	5		
Hatchery Spawners						
Iron Gate Hatchery	1,323	6,743	6,670	18	13,431	14,754
Trinity River Hatchery	135	1,032	2,662	3	3,717	3,852
Hatchery Spawner subtotal	1,458	7,775	9,352	21	17,148	18,606
					10%	10%
Natural Spawners						
Klamath River subtotal	3,298	14,367	17,514	72	31,954	35,252
Trinity River subtotal	7,069	4,740	22,431	494	27,665	34,734
Natural Spawners subtotal	10,367	19,107	39,945	566	59,619	69,986
					36%	39%
Recreational Harvest						
Klamath River harvest	2,213	7,165	11,396	68	18,628	20,841
Trinity River harvest	48	486	600	13	1,100	1,148
Recreational Harvest subtotal	2,261	7,651	11,996	81	19,728	21,989
					12%	12%
Tribal Harvest						
Klamath River harvest	245	18,354	41,040	357	59,750	59,995
Trinity River harvest	16	570	2,440	10	3,019	3,035
Tribal Harvest subtotal	261	18,924	43,480	367	62,769	63,030
					38%	35%
Dropoff Mortality						
	69	1,802	4,026	33	5,861	5,930
					4%	3%
Total River Run	14,416	55,259	108,799	1,067	165,125	179,541
	8.0%	30.8%	60.6%	0.6%		

*KRTAT 2014

2013 Preliminary results/findings

- The 2013 Klamath Basin fall Chinook run estimate ranks 11th out of 36 years.
- Adult Chinook returns to the basin were 60% of the preseason forecast, however, floor natural escapement level of 40,700 was surpassed.
- Tribal and in-river sport fisheries did not harvest their respective adult quotas.
- The number of jacks, 14,416 is slightly below average for the time series.
- The strong 2009 cohort that led to a record high abundance of 3 yr-old adults in 2012, contributed to a strong 4-yr old return in 2013 (60.6 % of total run).



Contributors:

- CDFW (KTP, OSP)
- Hoopa Valley Tribal Fisheries
- Yurok Tribal Fisheries
- Quartz Valley Tribal Fisheries
- Karuk Tribal Fisheries
- MKWC
- SRRC
- USFWS
- USFS
- NOAA
- Schools
- Landowners
- SFRA
- TRRP

2014 Ocean Salmon Fishery Information

California Department of Fish and Wildlife
Salmon Informational Meeting
February 26, 2014

Heidi Taylor
Sustainable Fisheries Division
West Coast Region

- All guidance preliminary; final at March 2014 PFMC meeting

Indicator Stock	NOAA Guidance
Sacramento River fall Chinook	Follow the FMP-defined control rule, which specifies an expected 2014 escapement greater than or equal to the preseason S_{ACL} of 190,395 hatchery and natural-area adult spawners
Klamath River Fall Chinook	Follow the FMP-defined control rule, which specifies an expected 2014 escapement greater than or equal to the S_{MSY} of 40,700 natural-area adult spawners



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Endangered Species Act (ESA) Listed Stocks



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Sacramento River Winter Chinook Salmon

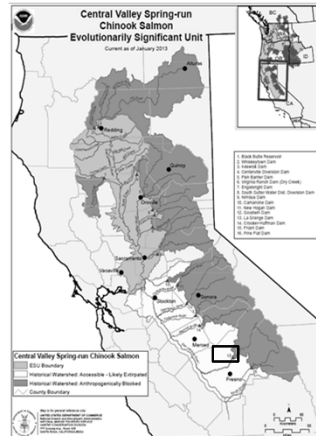
- ESA – Endangered
- Final recovery plan likely released spring 2014
- Guidance for 2014:
 - Continuation of consultation standards on minimum size limits and seasonal windows
 - Circle hook restrictions while mooching in the recreational fishery between Horse Mountain and Point Conception
 - Impact rate cap for 2014 = 15.4 %
- Notice of Availability (79 FR 3783) for public comment on the control rules analyzed in the management strategy evaluation



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Central Valley Spring Chinook Salmon

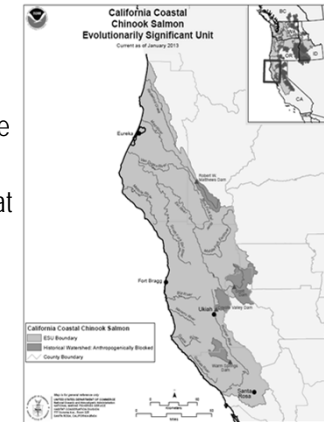
- ESA-threatened
- Final recovery plan likely released spring 2014
- Final rule for establishment of a non-essential experimental population published December 31, 2013
 - Below Friant Dam in San Joaquin River
 - For more information visit: www.restoresjr.net



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California Coastal Chinook Salmon

- ESA-threatened
- Draft recovery plan likely available for public comment late summer 2014
- Consultation standard remains at 16% age-4 Klamath River fall Chinook



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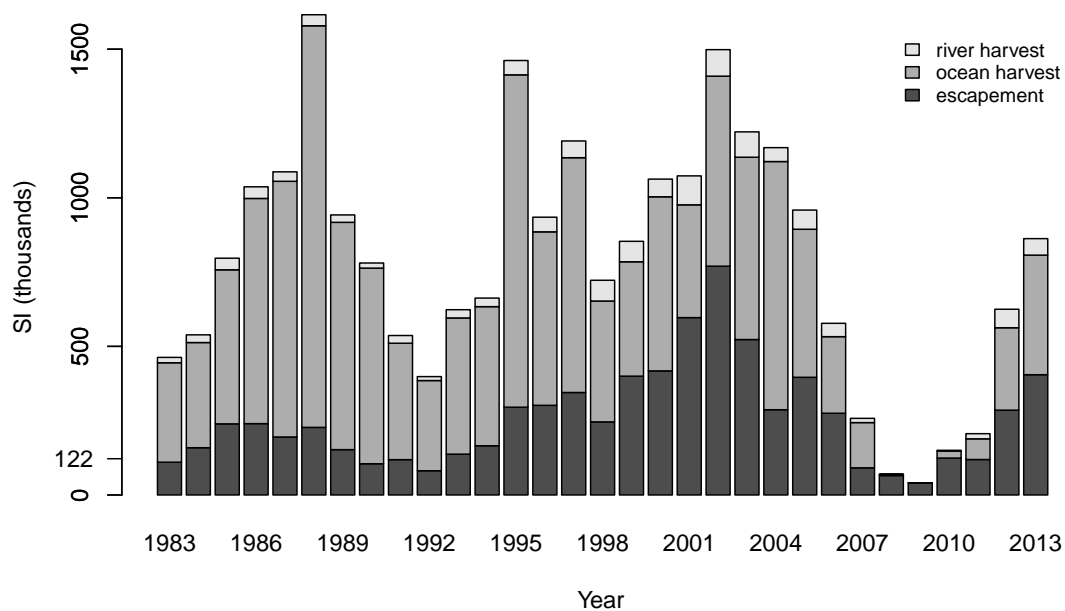
Coho Salmon

- Prohibit coho-directed fisheries off CA; Prohibit coho retention in Chinook-directed fisheries off CA
- Southern Oregon/Northern California Coho
 - ESA – Threatened
 - Likely that final recovery plan will be released in 2014
- Central California Coastal Coho
 - ESA – Endangered
 - Final recovery plan released 2012

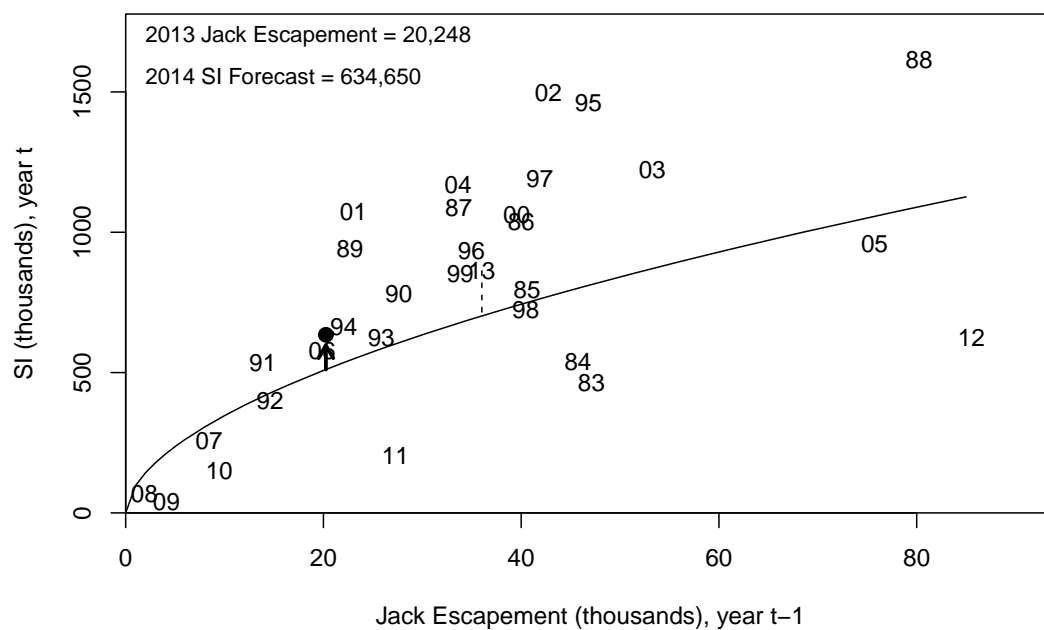


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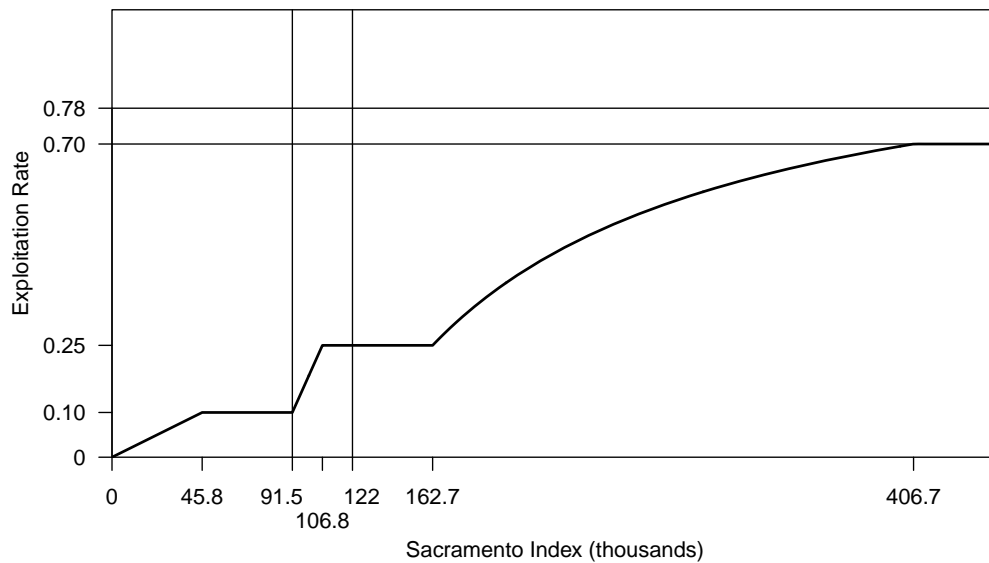
2013 Sacramento Index (SI) estimate: 862,525



2014 SI forecast: 634,650

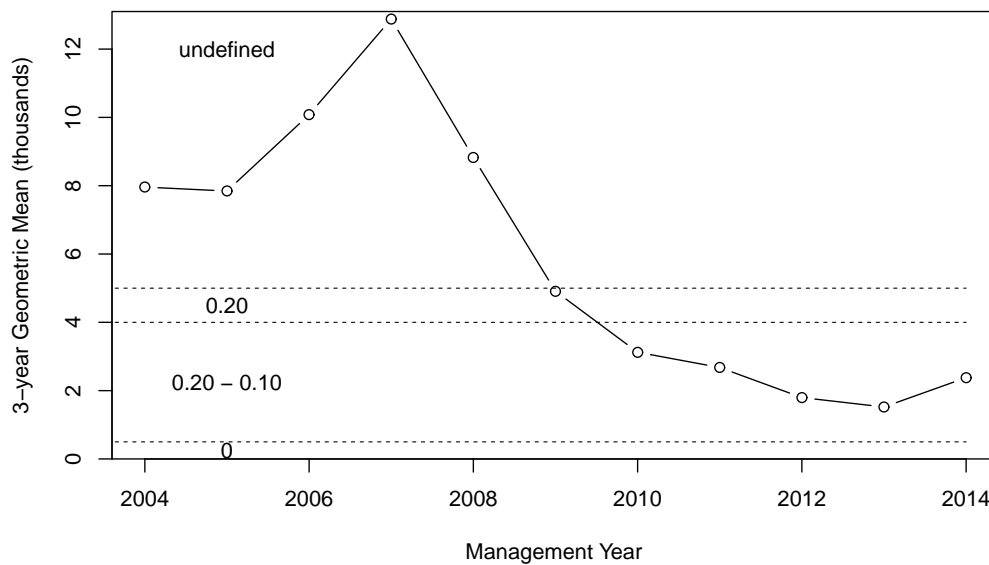


Management context



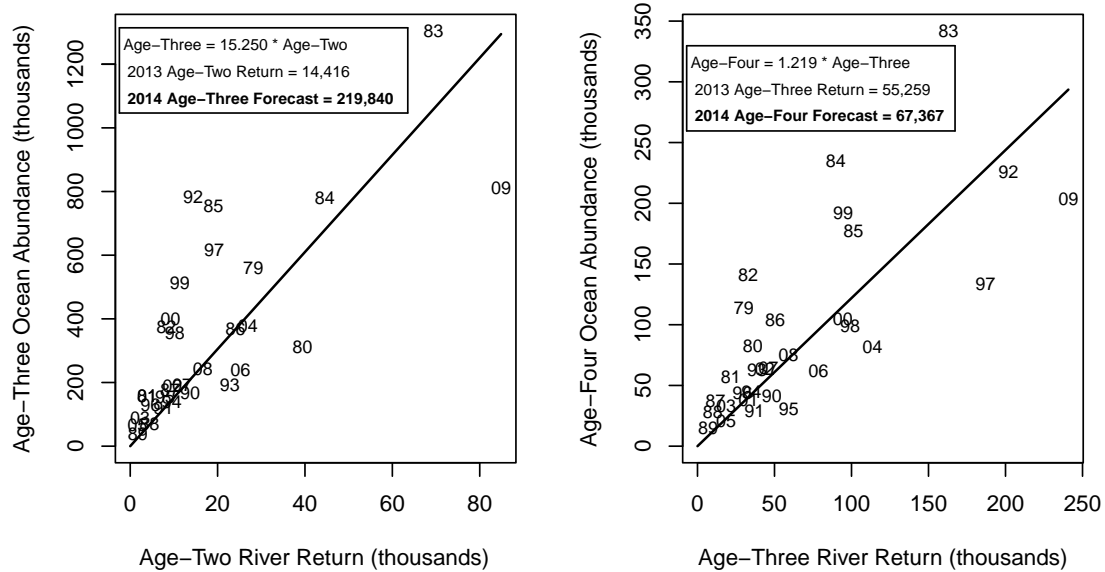
- ▶ Abundance forecast large
- ▶ Must target an escapement of at least 190,395 (max 70% exploitation rate)
- ▶ Unlikely to constrain 2014 fisheries
- ▶ 2013 regs: preliminary prediction of 328,567 spawners

Sacramento River winter Chinook



- ▶ Maximum allowable age-3 impact rate: 15.4%
- ▶ 2013 regs: preliminary prediction of 13.2% age-3 impact rate
- ▶ Likely to constrain fisheries south of Point Arena

2014 Klamath abundance forecast: 299,282



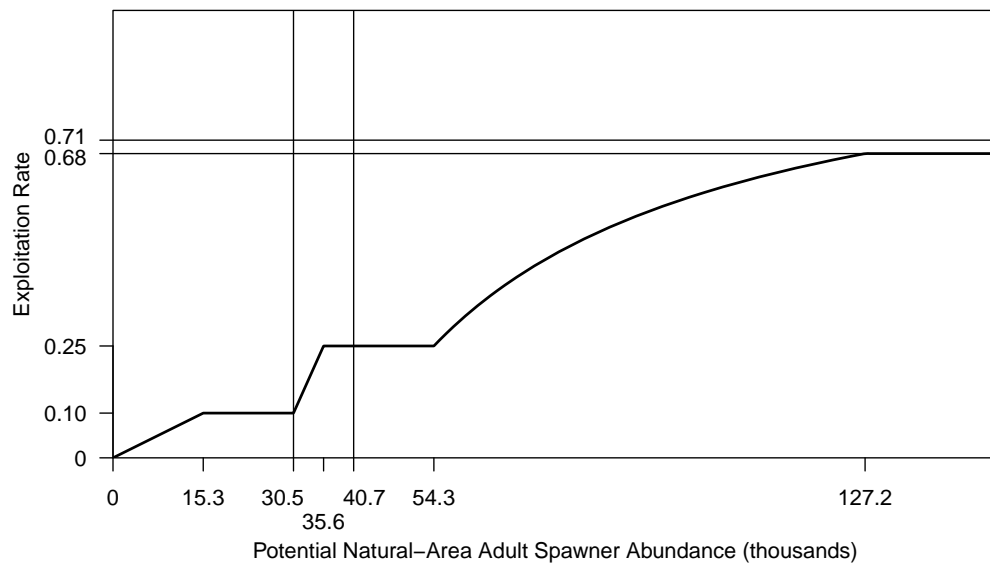
KRFC 2014 abundance forecast:

age-3: 219,840

age-4: 67,367

age-5: 12,075

Management context



- ▶ Potential spawner abundance forecast: 76,952
- ▶ Must target an escapement of at least 40,700 (47% exploitation rate)

Management context, contd.

2013 regs:

- ▶ Tribal allocation: 50% of total harvest
- ▶ River recreational allocation: 35% of non-tribal harvest
- ▶ Natural-area adult spawners = 19,218
- ▶ Exploitation Rate = 0.75
- ▶ Age-4 ocean harvest rate = 19.4

2013 regs with more 'typical' river recreational allocation

- ▶ Tribal allocation: 50% of total harvest
- ▶ River recreational allocation: 15% of non-tribal harvest
- ▶ Natural-area adult spawners = 33,890
- ▶ Exploitation Rate = 0.56
- ▶ Age-4 ocean harvest rate = 19.4

2014 California Ocean Salmon Preseason Process: Calendar of Events

March 8-13, 2014 - Pacific Fishery Management Council Meeting

Double Tree Hotel, 2001 Point West Way, Sacramento, CA 95815

The Council will determine if any in-season action for fisheries scheduled to open in April is needed. They will also adopt three regulatory alternatives for ocean salmon fisheries in effect on or after May 1. Final Alternatives for public review will be decided on March 13.

March 12-16, 2014 - Pacific Fishery Management Council Workshop

The STT completes *Preseason Report II: Proposed Alternatives & Environmental Assessment Part 2 for 2014 Ocean Salmon Fishery Regulations*, available online March 21, 2014 at: www.pcouncil.org

March 19, 2014 - California Fish and Game Commission Meeting - Teleconference

Proposed changes to Ocean Salmon Sport Fishing Regulations for 2014 will be addressed at this meeting. The Commission will take final action on Ocean Salmon Sport Fishery Regulations in effect during April 2014. The public may address and/or ask questions of the Commission relating to the implementation of its policies or any other matter within the jurisdiction of the Commission. Meeting information and agenda available online at: www.fgc.ca.gov.

March 25, 2014 - Pacific Fishery Management Council Public Hearing - California

Hilton-Sonoma Wine Country, 3555 Round Barn Blvd., Santa Rosa, CA 95403

The Council will receive comments from the public on the three California ocean salmon fishery management regulatory alternatives adopted by the Council in March. More information is available at: www.pcouncil.org.

April 5-10, 2014 - Pacific Fishery Management Council Meeting

Hilton Hotel, 301 W. 6th Street, Vancouver, WA, 98660

The Council will tentatively adopt final regulatory measures for analysis by the STT during this meeting. Final adoption of recommendations to the National Marine Fisheries Service (NMFS) is scheduled to be completed by April 9.

April 11-20, 2014 - Pacific Fishery Management Council Workshop

The PFMC and STT complete *Preseason Report III: Analysis of Council-Adopted Management Measures and Environmental Assessment Part 3 for 2014 Ocean Salmon Fishery Regulations*, available online April 21 at: www.pcouncil.org

April 16-17, 2014 – California Fish and Game Commission Meeting

Crowne Plaza Ventura Beach Hotel, 450 East Harbor Blvd., Ventura, CA 93001

The Commission will take final action on Ocean Salmon Sport Fishery Regulations in effect on or after May 1, 2014. The public may address and/or ask questions of the Commission relating to the implementation of its policies or any other matter within the jurisdiction of the Commission. Meeting information, agenda and video available online at: www.fgc.ca.gov.

Who Can I Contact Regarding the Upcoming Salmon Season?

Contact a member of the Pacific Fishery Management Council's **Salmon Advisory Subpanel**:

Jim Hie Conservation	Pacific Marine Conservation Council 1423 Vista Ave. Napa, CA 94559	Telephone: (707) 695-8661 Fax: (707) 265-0304 Email: jnahie@att.net
Dave Hillemeier California Tribes	Yurok Tribe PO Box 1027 Klamath, CA 95548	Telephone: (707) 482-1350 Fax: (707) 482-1377 Email: Dave@yuroktribe.nsn.us
Dave Bitts California Troll	Humboldt Fishermen's Marketing Association 3 Commercial Street Eureka, CA 95501	Telephone: (707) 443-0537 Fax: n/a Email: dbitts@suddenlink.net
Marc Gorelnik California Sport Fisheries	Coastside Fishing Club 8042 Terrace Drive, El Cerrito, CA 94530	Telephone: (415) 409-9529 Fax: (415) 795-4529 Email: marc@gorelniklaw.com
Craig Stone California Charter Boat	Emeryville Sportfishing 3310 Powell St. Emeryville, CA 94608	Telephone: (510) 654-6040 Fax: (510) 654-2106 Email: emvlsport@aol.com

To make comments directly to the **Pacific Fishery Management Council** regarding the upcoming salmon season, please visit the Council's website at www.pcouncil.org/contact, or contact the PFMC staff officer for salmon: Mike Burner (Mike.Burner@noaa.gov).

To make comments directly to the **Fish and Game Commission** regarding the upcoming salmon season, please visit the Commission's website at www.fgc.ca.gov/contact.

Online Resources:

Review of 2013 Ocean Salmon Fisheries (includes in-river escapement data)

Available online at:

www.pcouncil.org/salmon/stock-assessment-and-fishery-evaluation-safe-documents/

Preseason Report I: Stock Abundance Analysis for 2014 Ocean Salmon Fishery Regulations

Available online in early March at:

www.pcouncil.org/salmon/stock-assessment-and-fishery-evaluation-safe-documents/preseason-reports/

Klamath Basin Age Composition and Stock Projection Reports

Available online in late March at:

www.pcouncil.org/salmon/background/document-library/

EVALUATION

To improve future *Ocean Salmon Information Meetings* and to better meet your needs, please complete this evaluation.

1. Indicate the interest group with which you are affiliated.

<input type="checkbox"/> Fishing Dependent Business	<input type="checkbox"/> Tribal
<input type="checkbox"/> Ocean Commercial	<input type="checkbox"/> Conservation
<input type="checkbox"/> Ocean Sport	<input type="checkbox"/> Resource Management
<input type="checkbox"/> River Sport	<input type="checkbox"/> Other (please describe)

2. What information did you find most useful?

<input type="checkbox"/> Review of 2013 Ocean Salmon Sport and Commercial Fisheries	<input type="checkbox"/> NMFS 2014 Ocean Salmon Fishery Guidance
<input type="checkbox"/> Review of 2013 Central Valley Chinook Spawner Escapement	<input type="checkbox"/> Abundance Forecasts and Harvest Model Results
<input type="checkbox"/> Review of 2013 Central Valley Chinook River Sport Fisheries	<input type="checkbox"/> Public Comment to California Salmon Management Panel
<input type="checkbox"/> Review of 2013 Klamath Basin Chinook Spawner Escapement, Harvest and Age Composition	

3. What information would you like presented in the future?

4. What meeting organization comments or suggestions do you have?

5. Additional comments or suggestions about the meeting are appreciated.

[illegible]

E-mail: _____ Phone: _____

Yes_____ No_____