

# **Ocean Salmon Industry Group Preseason Planning Meeting**

**for**

## **Ocean Recreational and Commercial Troll Salmon Fisheries off Oregon, 2012**

### **BRIEFING DOCUMENTS:**

2011 Season Summary  
2012 Management Process Schedule  
2011 Escapement Estimates  
2012 Stock Abundance Forecasts  
and other materials

Sponsored by  
Oregon Coastal Zone Management Association  
and  
Oregon Department of Fish and Wildlife

Hallmark Inn and Resort  
Newport, Oregon  
February 28, 2012

**Ocean Salmon Effort and Landing Estimates for 2011 with Comparison to 2009, 2010, and 1979-1990 Average.**

**Recreational Ocean Salmon Fisheries**

Catch Area	Effort (Angler Trips)			Chinook (Number of Fish)			Coho (Number of Fish)			
	2011	2010	2009	2011	2010	2009	2011	2010	2009	1979-90
Columbia River	7,383	10,254	12,250	1,623	1,812	980	6,042	6,108	19,419	33,755
Tillamook	12,838	13,503	22,374	1,118	831	365	5,727	3,373	23,585	21,805
Newport	11,953	14,993	29,607	463	801	33	5,952	7,830	35,438	62,362
Coos Bay	10,322	8,619	14,362	1,017	696	12	1,090	927	9,967	66,875
Brookings	6,260	5,950	5,931	936	824	195	28	60	1,197	17,019
<b>Oregon Total</b>	<b>48,756</b>	<b>53,319</b>	<b>84,524</b>	<b>5,157</b>	<b>4,964</b>	<b>1,585</b>	<b>18,839</b>	<b>18,298</b>	<b>89,606</b>	<b>201,816</b>

**Commercial Ocean Troll Salmon Fisheries**

Catch Area	Effort (Boat Days)			Chinook (Number of Fish)			Coho (Number of Fish)			
	2011	2010	2009	2011	2010	2009	2011	2010	2009	1979-90
Columbia River	288	634	528	2,836	11,120	712	464	1,038	12,688	20,643
Tillamook	218	400	271	1,099	3,648	144	-	-	3,491	83,654
Newport	736	1,521	284	4,942	12,377	-	-	-	5,103	112,064
Coos Bay	2,187	1,555	136	21,740	11,419	293	-	-	686	124,716
Brookings	286	181	-	1,317	869	-	-	-	-	18,804
<b>Oregon Total</b>	<b>3,715</b>	<b>4,291</b>	<b>1,219</b>	<b>31,934</b>	<b>39,433</b>	<b>1,149</b>	<b>464</b>	<b>1,038</b>	<b>21,968</b>	<b>359,881</b>

US/Canada to Cape Falcon  
 Fin-clipped Chin. Quota = 4,800  
 June 18-25  
 OR Catch = 58 Chin. (rel. 394)  
 WA Catch = 266 Chin.

Leadbetter Pt. to Cape Falcon  
 Fin-clipped Coho Quota = 33,600  
 Chinook Guideline = ~~7,400~~ **7,710**  
 June 26-Sept. 30  
 Catch: OR = 1,559 Chin. (rel. 7,203)  
 6,035 coho (rel. 3,551)  
 WA = 5,330 Chin; 20,632 coho

State Waters  
 Tillamook Chinook  
 Oct. 1-31  
 No Quota  
 Catch = 318 Chin.

Cape Falcon to Humbug Mt.  
 All Salmon Except Coho  
 (all Chinook within 15 fathoms off Tillamook between Twin Rocks and Pyramid Rock must be fin-clipped through July 31)  
 March 15-Sept. 30  
 Catch = 2,280 Chin.

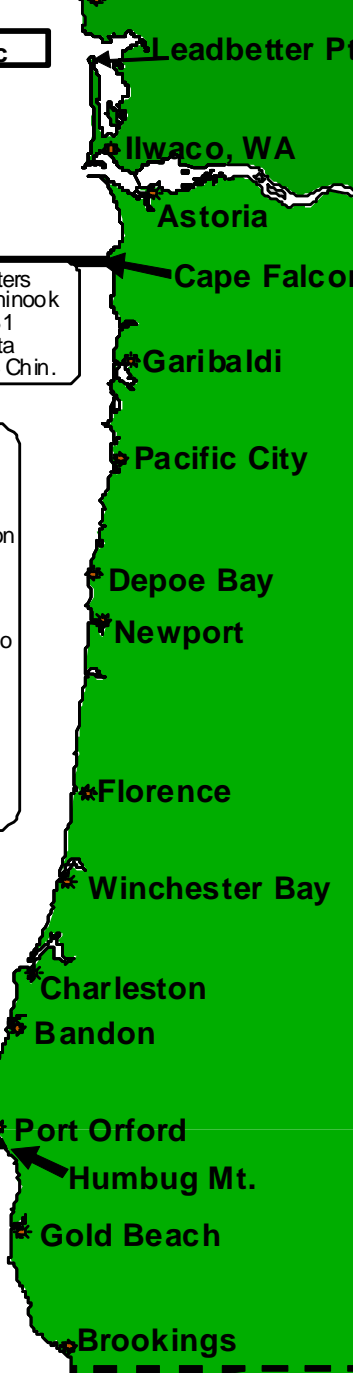
Cape Falcon to Humbug Mt.  
 Open for All Salmon  
 Selective Coho Season  
 Quota = 15,000 fin-clipped coho  
 July 2-Aug. 13  
 Catch = 6,123 coho (rel. = 11,430)

Cape Falcon to Humbug Mt.  
 Non-selective Coho Season  
 Open for All Salmon  
 Quota = 3,000 **5,900** coho  
 Sept. 1-3 and Sept. 8-10  
~~Sept. 1-10~~ **7**  
 Catch = 6,623 coho

State Waters Elk Chinook  
 Nov. 1-30  
 No Quota  
 Catch = 6 Chin.

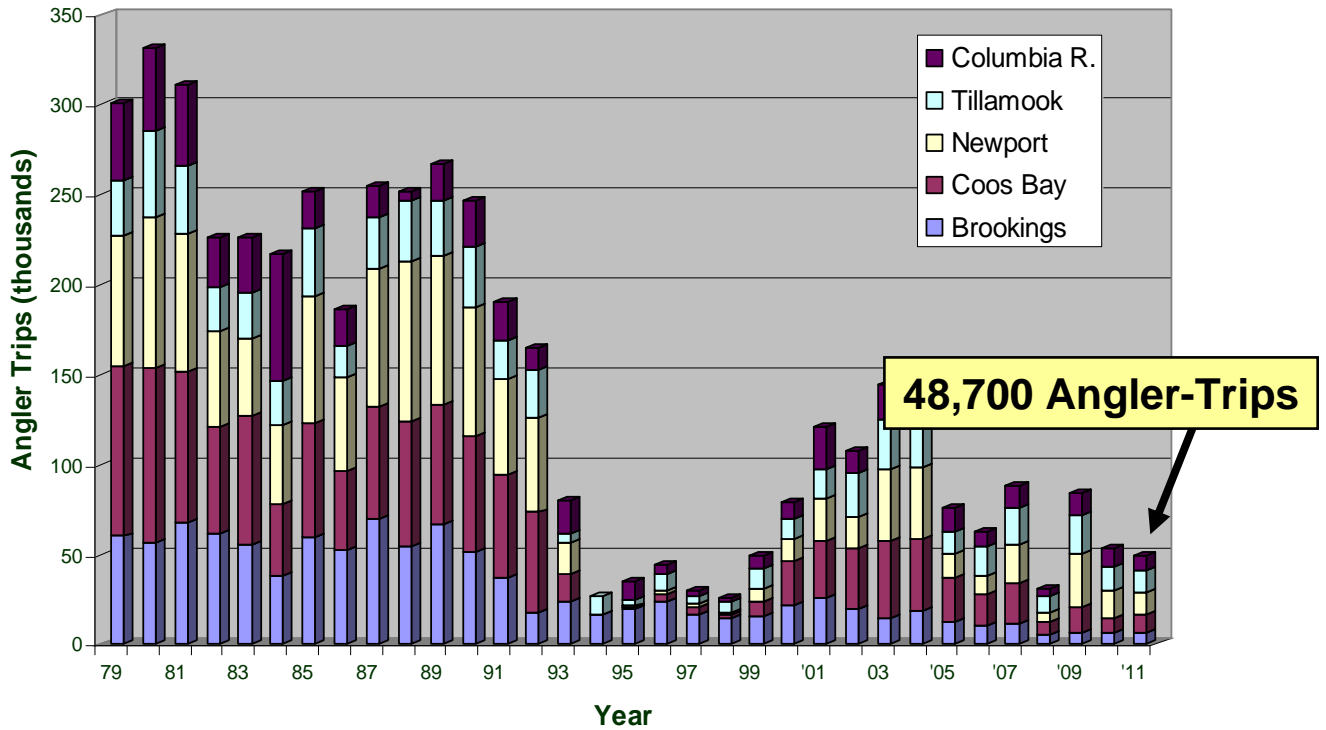
Humbug Mt. to OR/CA Border  
 All Salmon Except Coho  
 May 14-September 5  
 Catch = 647 Chin.

State Waters Chetco Chinook  
 Oct. 1-12  
 No Quota  
 Catch = 289 Chinook

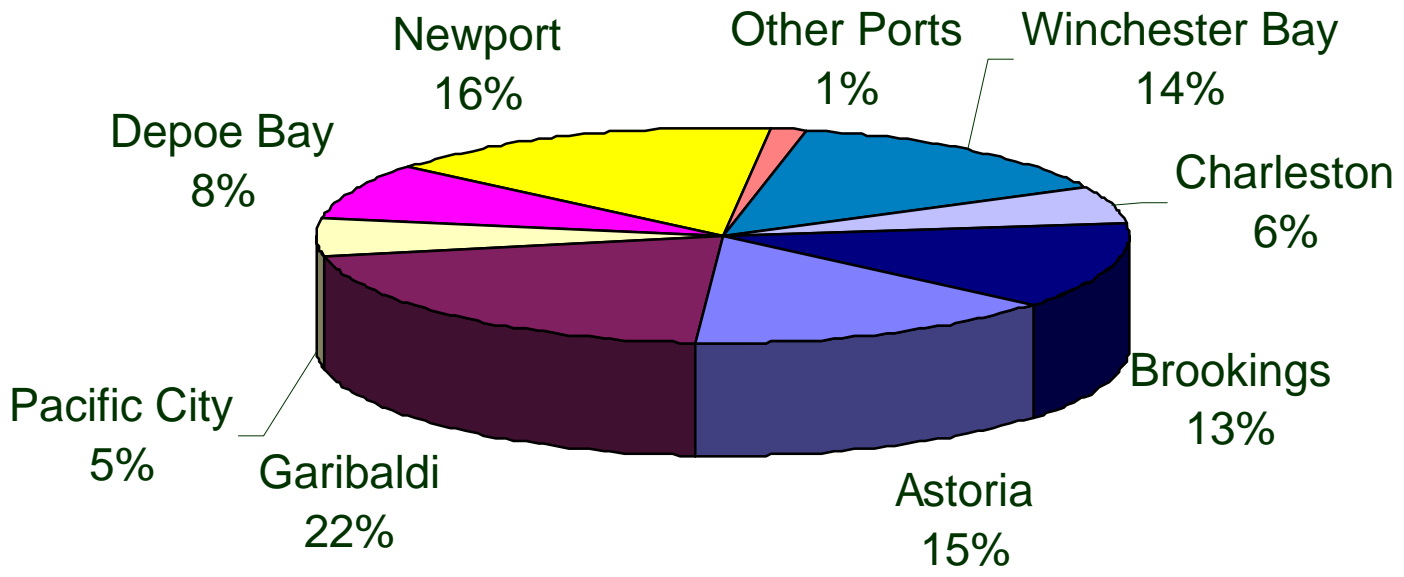


- All salmon except coho, 2 per day. All Chinook must have a healed adipose fin clip
- All salmon, 2 per day. All coho must have a healed adipose fin clip. No more than 1 Chinook allowed in bag limit prior to 8/7, from 8/14-8/28, and from 9/5-30. Closed to Chinook retention from 8/29-9/4
- All salmon except coho, 2 per day
- All salmon, 2 per day. All coho must have a healed adipose fin clip
- All salmon, 2 per day. Open for all salmon (no fin-clip restriction on retained coho)
- Chinook salmon only, 2 per day but no more than one may be non-finclipped. Open in state waters (0-3 miles)
- Chinook salmon only, 2 per day but no more than one may be non-finclipped. Open inside ~20 fathoms
- Chinook salmon only, 1 per day, not more than 5 per season. Open in state waters (0-3 miles)

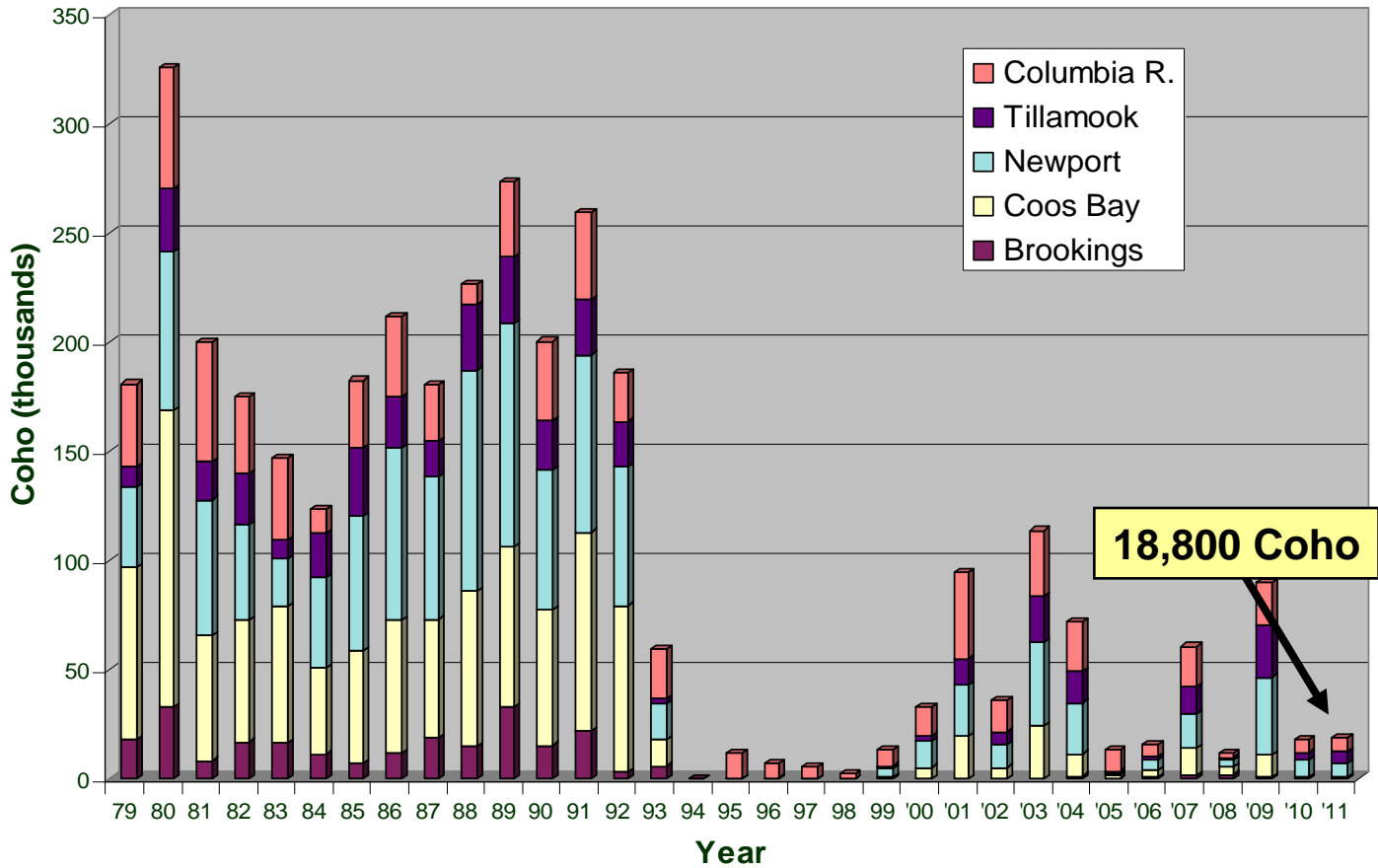
## Ocean Sport Salmon Effort by Area



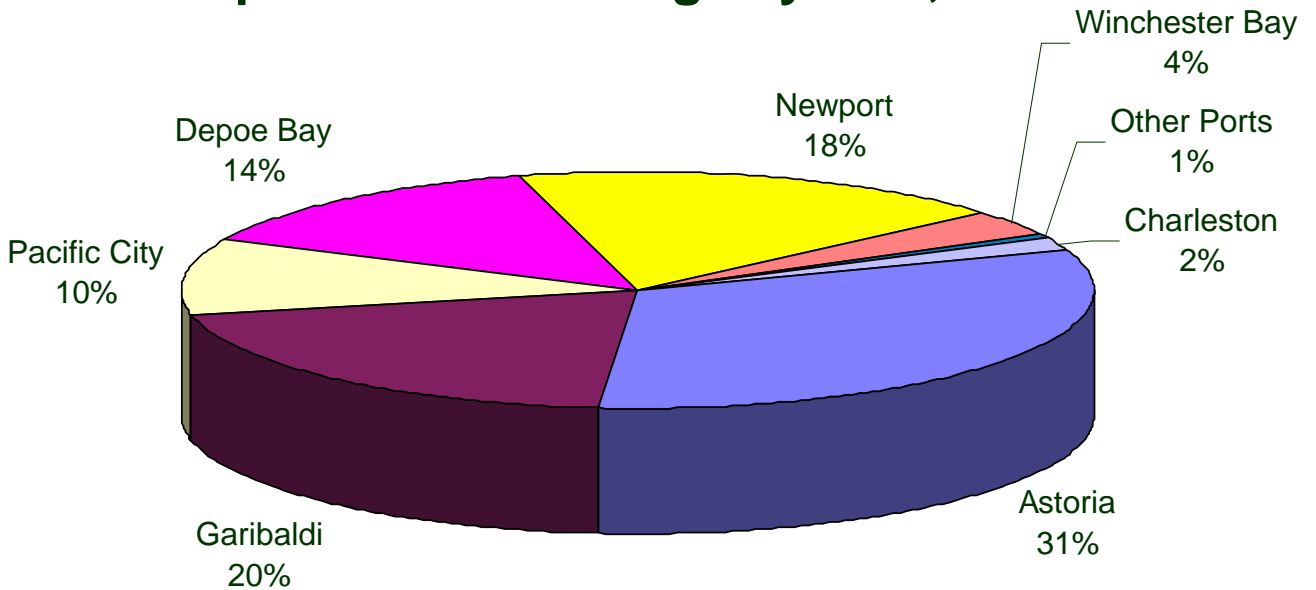
## Sport Effort by Port, 2011



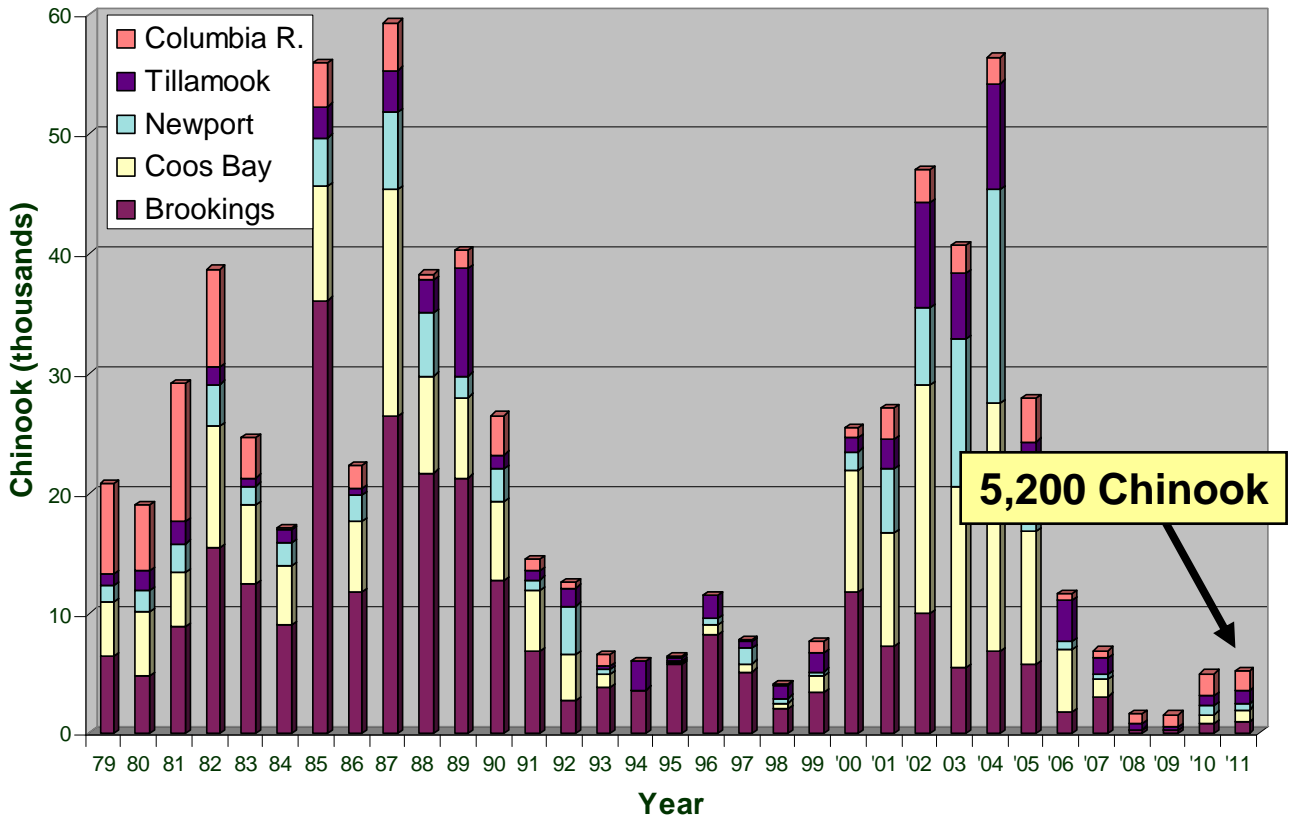
# Ocean Sport Coho Landings by Area



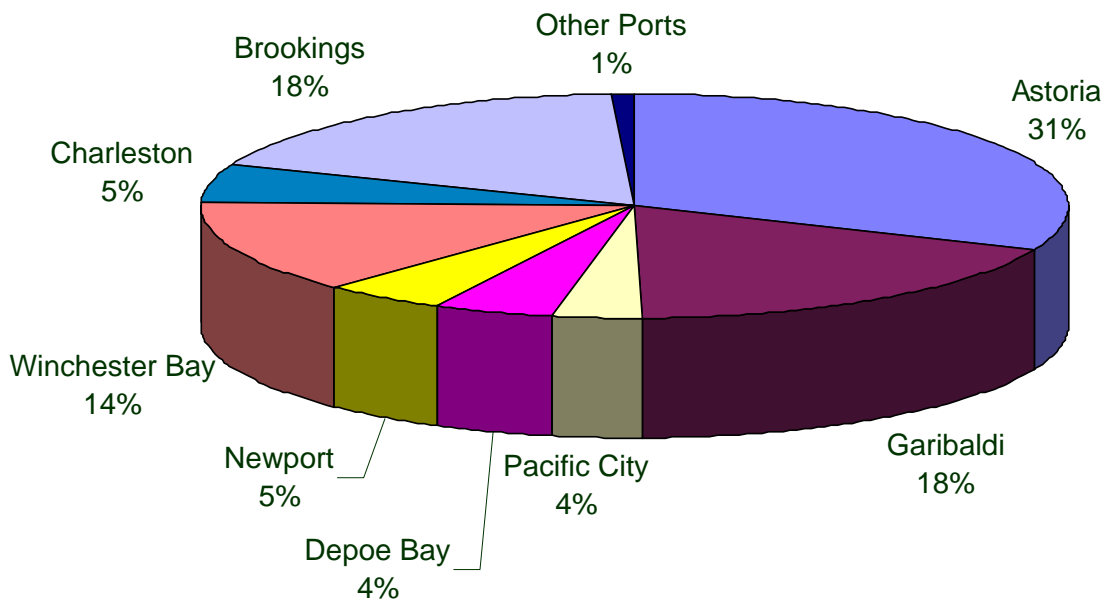
# Sport Coho Landings by Port, 2011



# Ocean Sport Chinook Landings by Area



# Sport Chinook Landings by Port, 2011



MAR. APRIL MAY JUNE JULY AUG. SEPT. OCT. NOV.

May 1-June 21 no landing limits, and June 23-30 with a 30 Chin. per open period limit  
Chin. Quota = 20,600  
OR Landings = 2,457 Chin.

July 1-Aug. 9: Open periods of Fri.-Tues. of each week;  
Open periods of Aug. 19, Aug. 27-29, Sept. 3-6, and Sept. 10-13  
Chinook Quota=10,300  
Marked Coho Quota=12,800  
Open period limits described below  
OR Landings = 379 Chin. and 464 coho

State Waters Tillamook Chinook  
Sept. 1-30 No Quota  
Weekly landing and possession limit of 25 Chinook  
Landings = 82 Chin.

April 15-July 9; July 17-Aug. 31; and Oct. 1-31  
No Quota  
Prior to August 1, within the 15 fathom curve off Tillamook Bay between Twin Rocks and Pyramid Rock, only fin-clipped Chinook salmon may be on board while fishing.  
50 Chinook per vessel per calendar week in October  
Landings: April through Aug. = 24,362 Chin.; Oct. = 1,176

State Waters Coos-Coquille Chinook  
Sept. 1-30 No Quota  
inside 30 fathoms N. of Seven Devils  
Weekly landing and possession limit of 50 Chinook  
Landings = 206 Chin.

State Waters Elk Chinook  
Nov. 1-30 No Quota  
Open inside line at ~20 fathoms  
Daily landing and possession limit of 20 Chinook  
Landings = 1,954 Chin.






May 1-31  
No Quota  
Landings = 612 Chin.

June 1-Aug. 31  
Quotas: June = 1,500;  
July = 1,200; and Aug. = ~~1,000~~ **2,950**  
Single Daily Landing and Possession Limit of 30 Chinook per Vessel  
Landings: June = 240; July = 30; and Aug. = 331 Chin.

State Waters Chetco Chinook  
Oct. 13-31 or Chin. Quota=750  
Daily landing and possession limit of 20 Chinook  
Landings = 104 Chin.

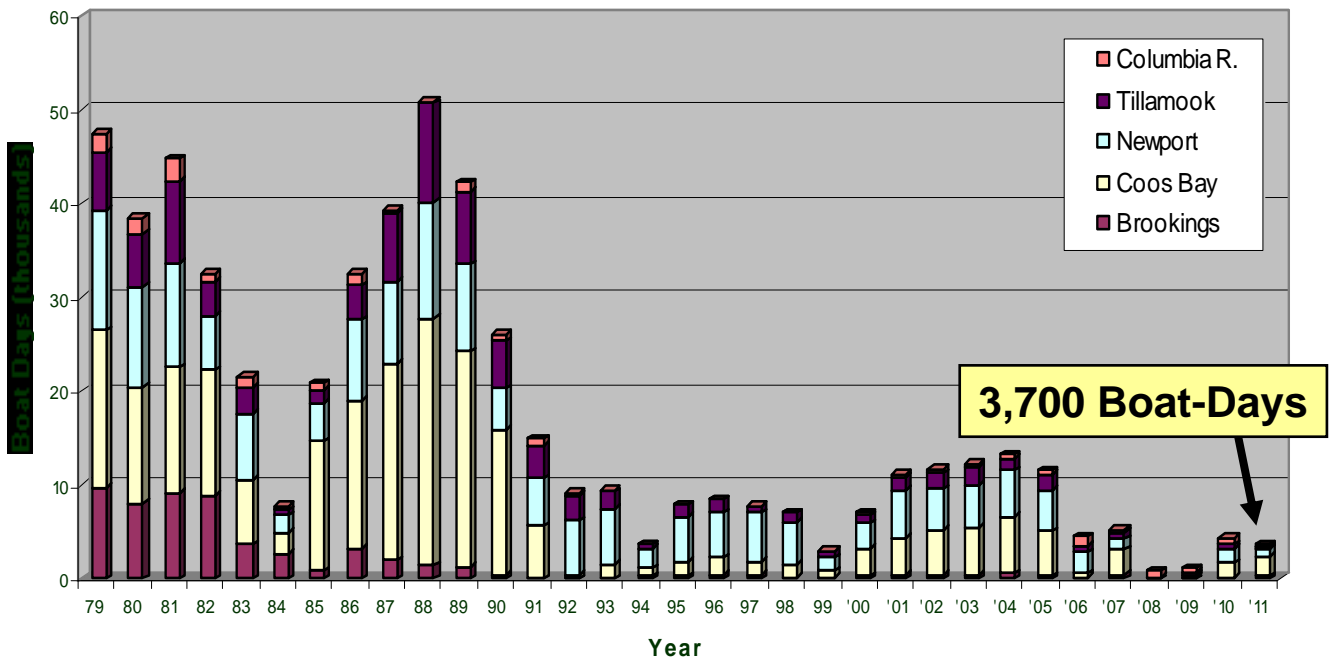
50 Chinook per calendar week



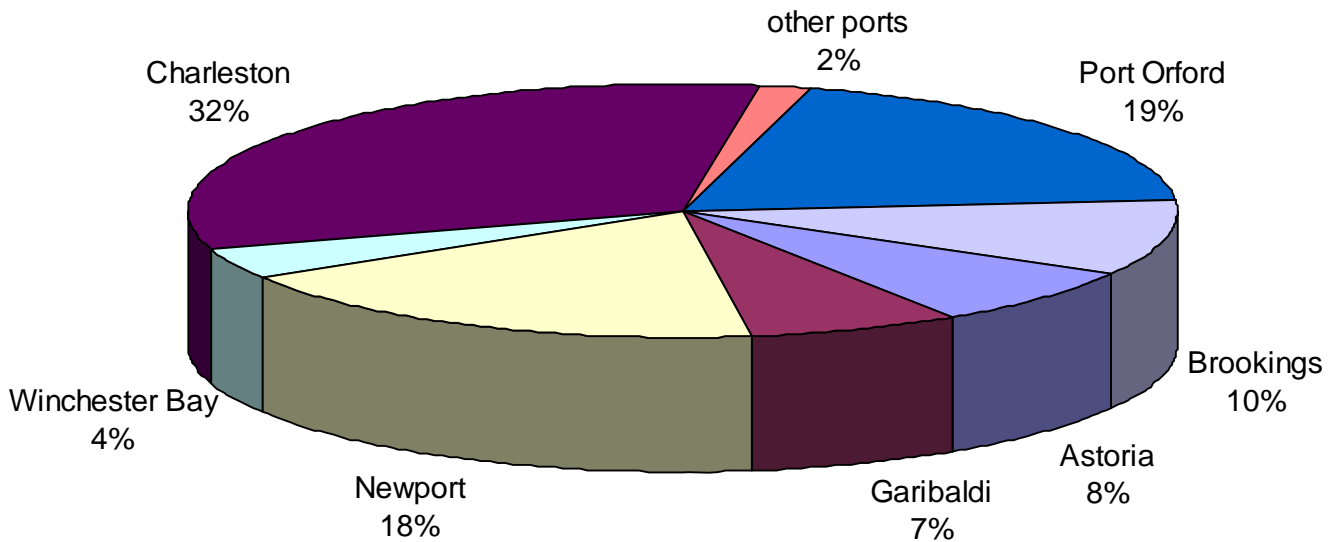
-  All salmon except coho. Vessels landing South of Leadbetter Pt., WA may only fish South of Leadbetter Pt. Vessels fishing North of Leadbetter Pt., must land their catch North of Leadbetter Pt. Landings restricted to within the open area and Garibaldi only. Must land all catch within 24 hours of any closure. Chinook 28" minimum length. All landings into Oregon must be reported within one hour of landing at (541)867-0300 ext. 271
-  All salmon. All retained coho must have a healed adipose fin dip. Vessels landing South of Leadbetter Pt., WA may only fish South of Leadbetter Pt. Vessels fishing North of Leadbetter Pt., must land their catch North of Leadbetter Pt. Landings restricted to within the open area and Garibaldi only. Must land all catch within 24 hours of any closure. Open period landing and possession limits of: 50 Chin. and 50 coho July 1-12; 30 Chin. and 50 coho July 15-Aug. 9; 12 Chin. and 50 coho Aug. 19; 12 Chin. and 75 coho Aug. 27-29; and 20 Chin. and 100 coho Sept. 3-6 and Sept. 10-13. Chinook minimum length 28", coho minimum length 16". All landings into Oregon must be reported within one hour of landing at (541)867-0300 ext. 271
-  All salmon except coho. All fish must be landed into Oregon. No more than 4 spreads per wire. Chinook 28" minimum length.
-  All salmon except coho. All fish must be landed in Gold Beach, Port Orford, or Brookings. No more than 4 spreads per wire. Chinook 28" minimum length. Special notification restrictions apply.
-  All salmon except coho. Landing and possession limit of 30 Chinook per day. All fish must be landed and delivered to Gold Beach, Port Orford, or Brookings and within 24 hours of any closure. No more than 4 spreads per wire. Chinook 28" minimum length. Quota remaining from the June and/or July seasons will be carried forward to the next quota period on an impact neutral basis. All landings must be reported within one hour of delivery at (541)867-0300 ext. 252

## Ocean Commercial Troll Salmon Seasons, Quotas, and Landings off Oregon, 2011

## Troll Effort by Area

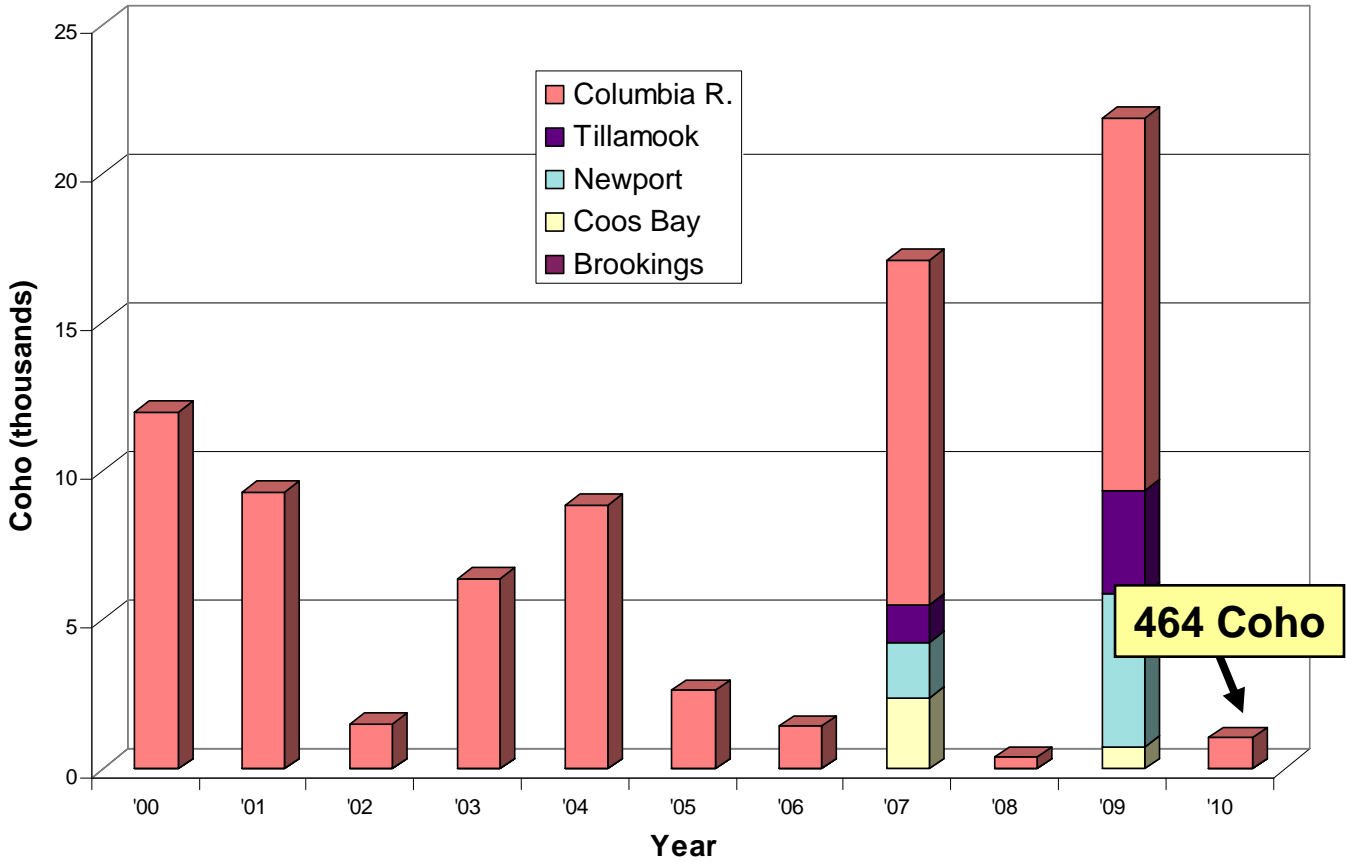


## Troll Effort (Deliveries) by Port, 2011

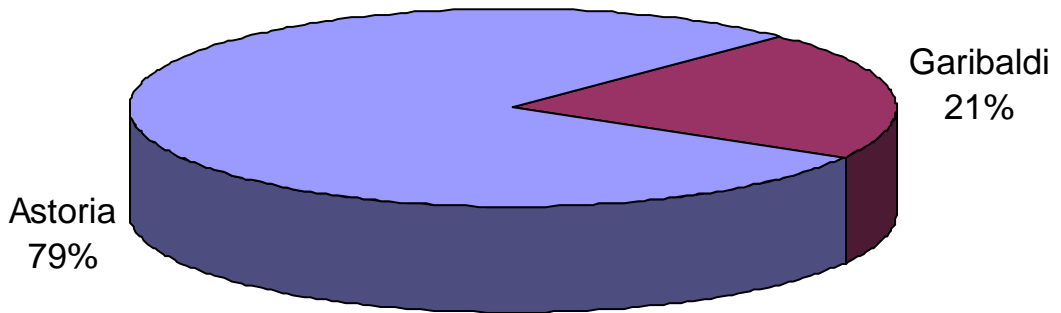




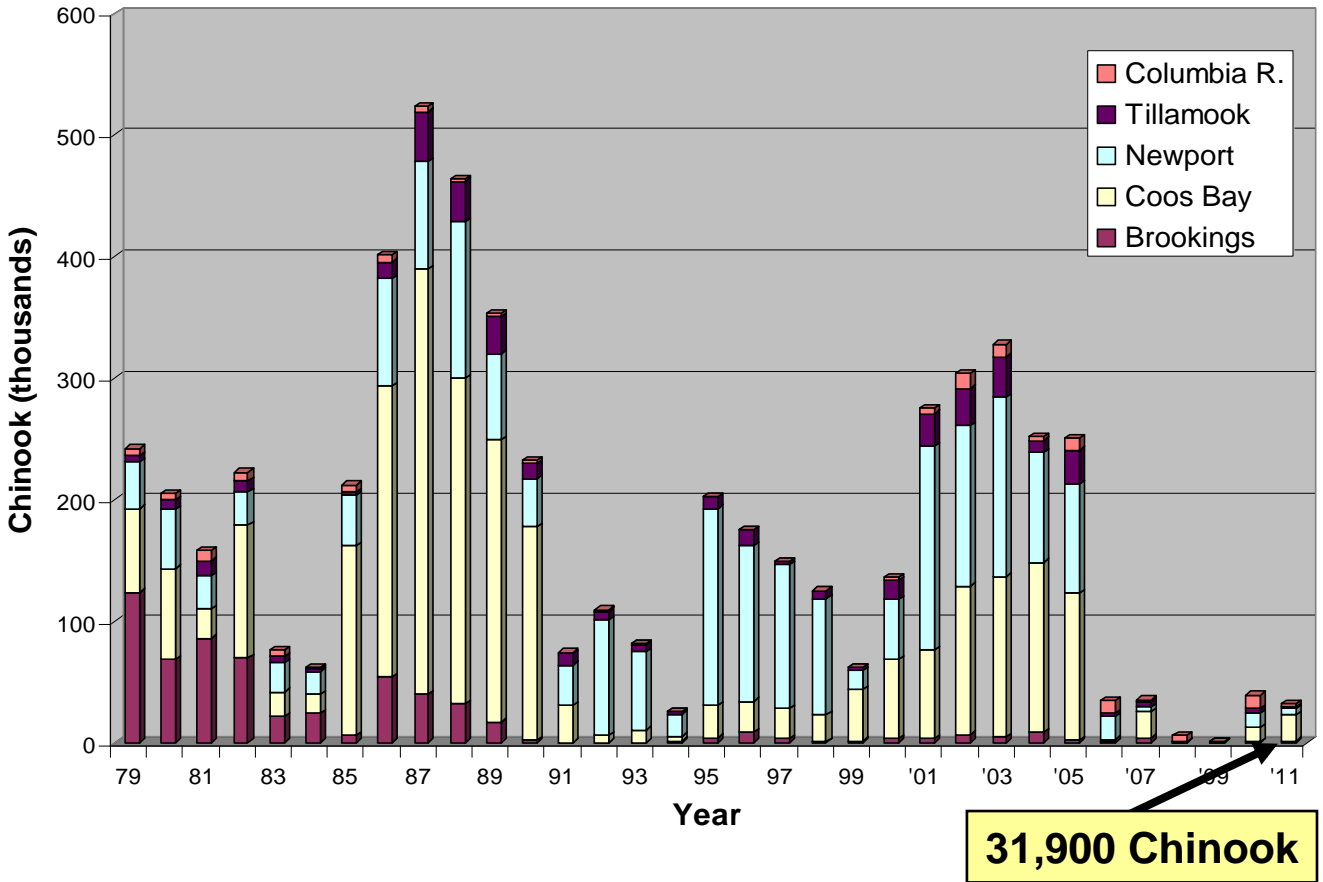
## Troll Coho Landings by Area



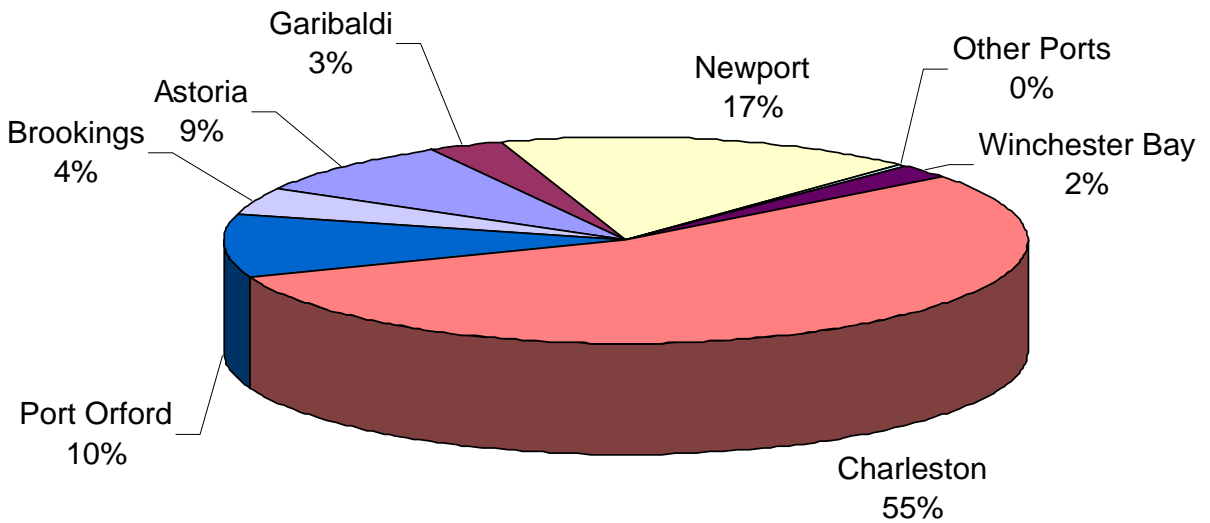
## Troll Coho Landings by Port, 2011



## Troll Chinook Landings by Area



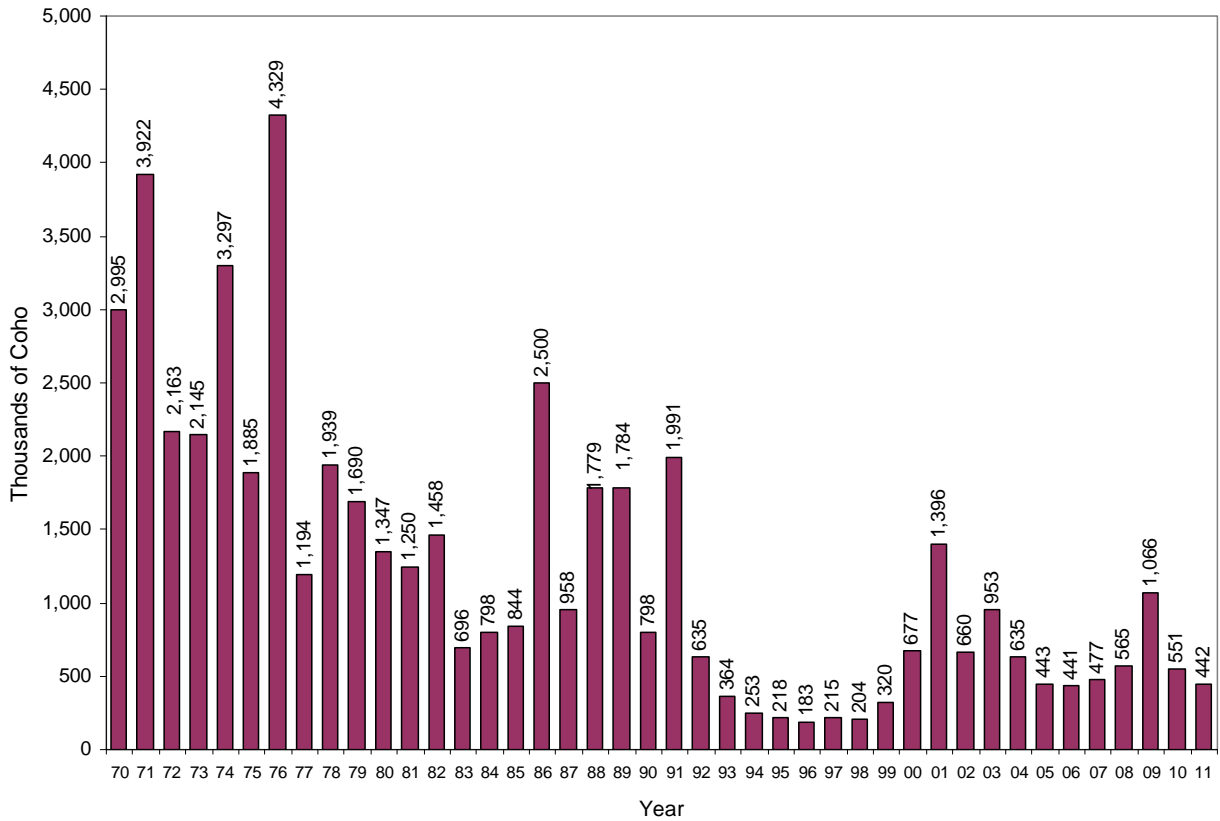
## Troll Chinook Landings by Port, 2011



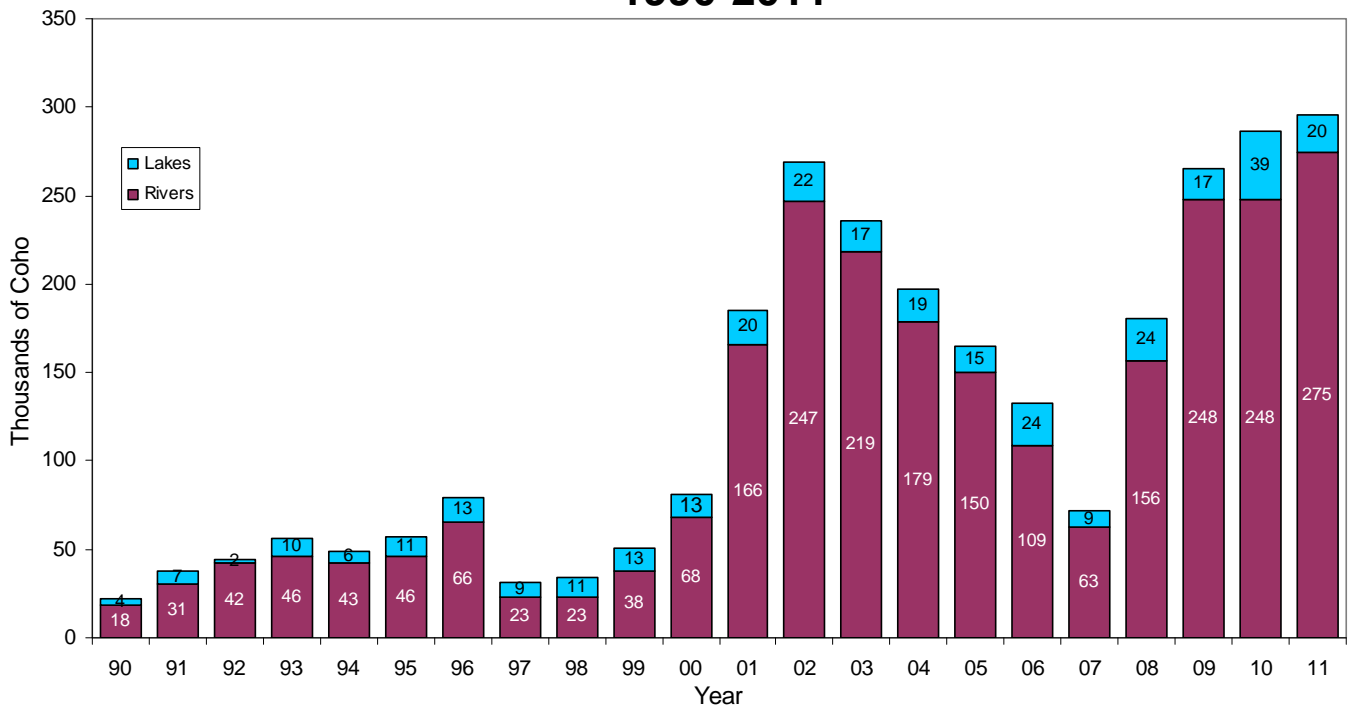
## 2012 Ocean Fishery Process Schedule

Feb. 28	WDFW Public Meeting * 2012 Forecasts * 2012 Salmon season discussions	Olympia, WA
Feb. 28	CDFG Public Meeting * 2012 Forecasts * 2012 Salmon season discussions	Santa Rosa, CA
Feb. 28	Ocean Salmon Industry Group * 2012 Forecasts * 2012 Salmon season discussions	Newport, OR
Mar. 3-7	Pacific Fishery Management Council * Adopt 2012 ocean salmon options for public review	Sacramento, CA Doubletree
Mar. 9	Oregon Fish and Wildlife Commission * Ocean and state waters salmon fishery options	Corvallis, OR
Mar. 12	North of Falcon I (Public Meeting) * Ocean/Puget/Columbia River salmon season negotiations	Olympia, WA
Mar. 14	Columbia River Fisheries Discussion * ODFW, WDFW, Public	Vancouver, WA
Mar. 26	North of Falcon II (Public Meeting) * Continued negotiations - ocean and Columbia River	Olympia, WA
Mar. 26	PFMC Public Options Hearing * Public input on 2012 season options	Coos Bay, OR Red Lion
Mar. 26	PFMC Public Options Hearing * Public input on 2012 season options	Westport, WA
Mar. 27	PFMC Public Options Hearing * Public input on 2012 season options	Eureka, CA
Mar. 28	North of Falcon II (Public Meeting) * Continued negotiations - Puget Sound	Lynnwood, WA
Apr. 1-6	Pacific Fishery Management Council * Adopt 2012 ocean salmon fishery regulations	Seattle, WA Sheraton (Downtown)
Apr. 20	Oregon Fish and Wildlife Commission * Adopt state waters ocean salmon fishery regulations	Salem, OR ODFW HQ

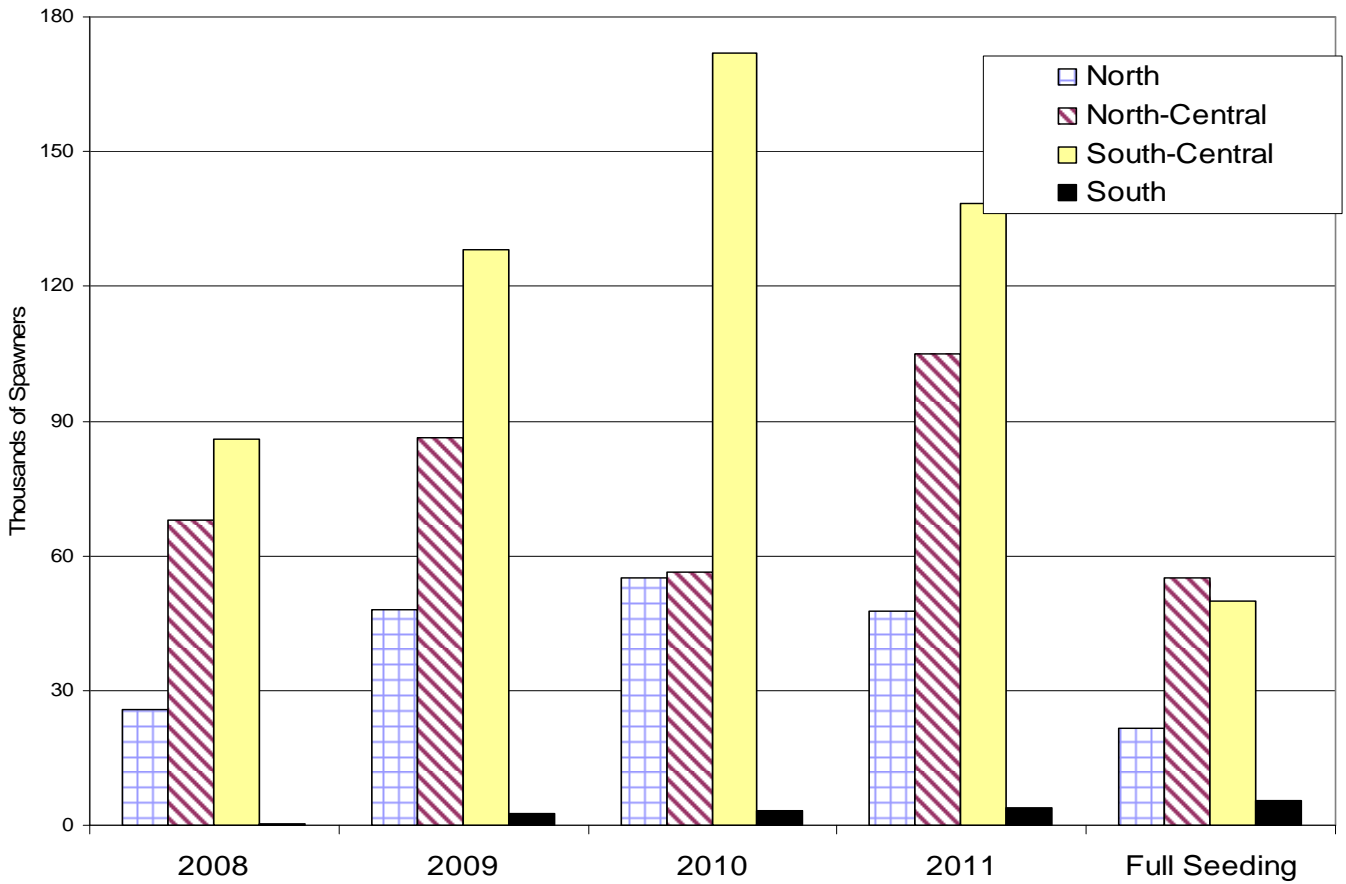
# Oregon Production Area Hatchery Coho Abundance Estimates, 1970-2011



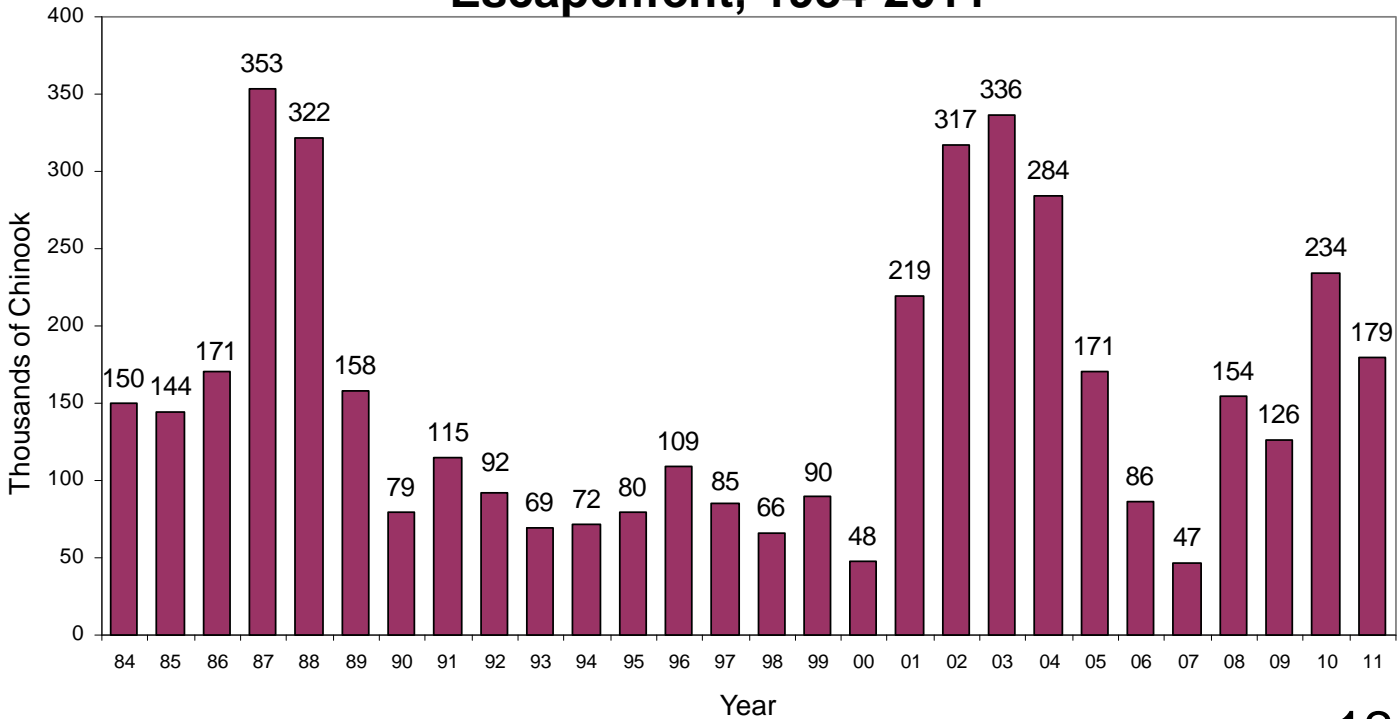
# OCN Coho Spawner Escapement Lakes and Rivers, 1990-2011



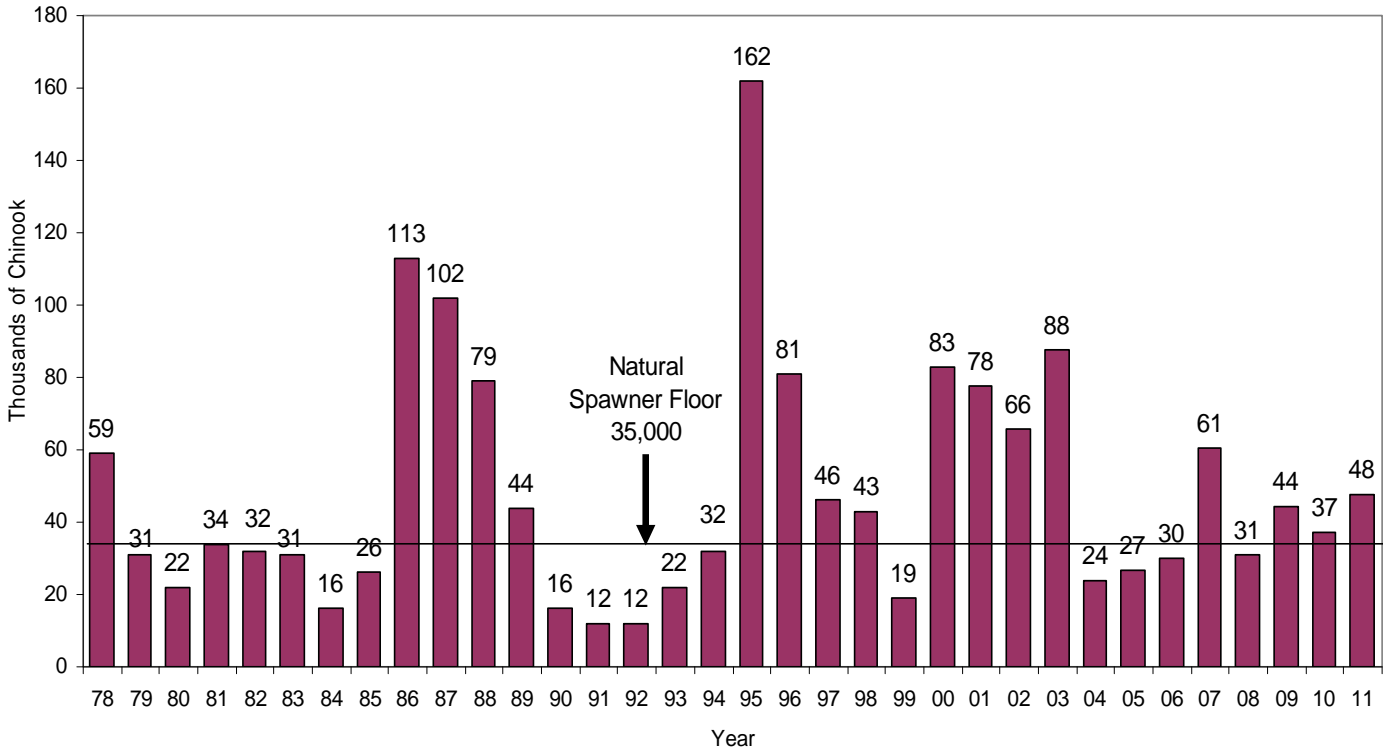
## OCN Spawner Escapement by Sub-Aggregate Including Full Seeding Levels, 2008-2011



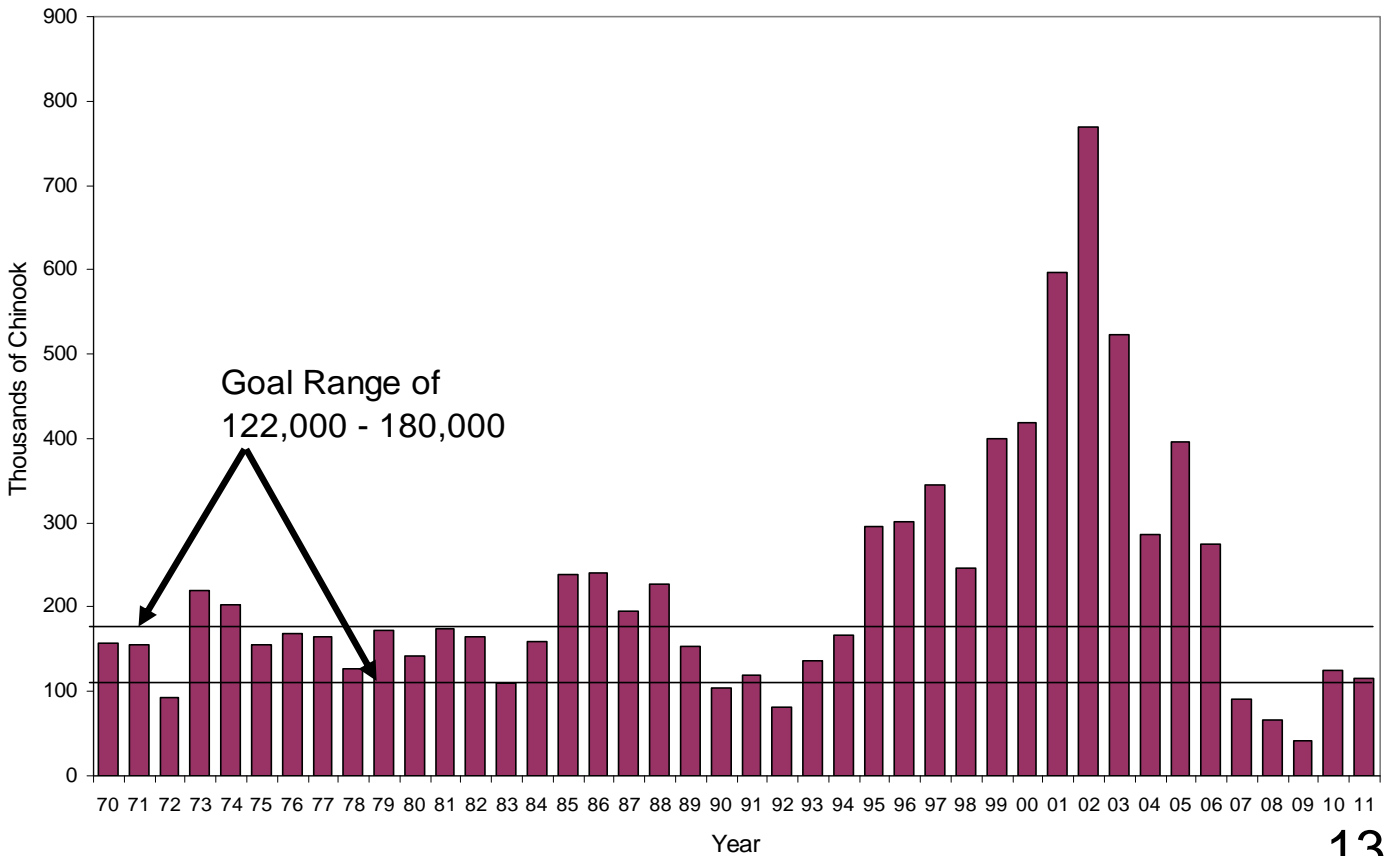
## Columbia River Tule Chinook Ocean Escapement, 1984-2011



# Klamath River Natural Fall Chinook Adult Spawner Escapement, 1978-2011



# Sacramento River Adult Fall Chinook Escapements, 1970-2011

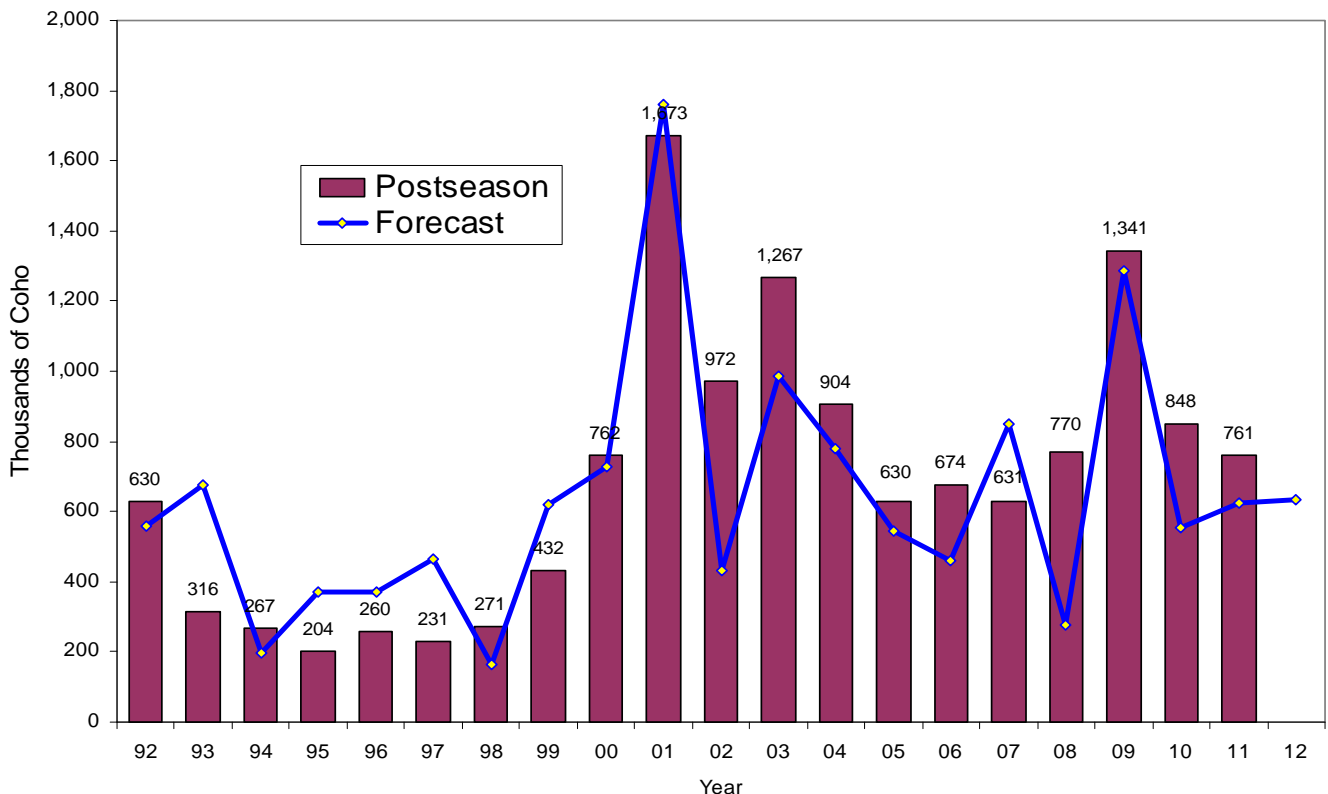


## 2011 Ocean Abundance Estimates for Select Salmon Stocks, Preseason vs. Postseason

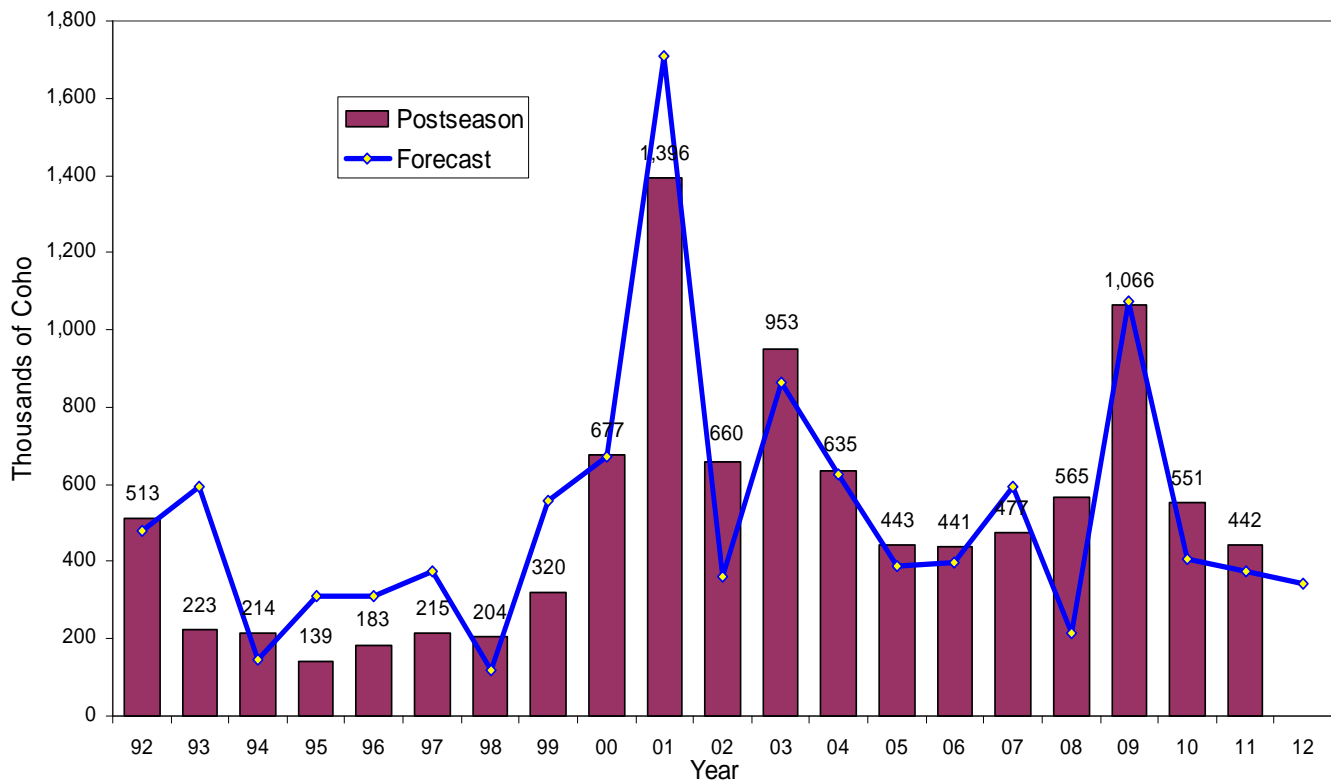
Coho	Preseason Expectations	Postseason	Post - Pre
<b>Oregon Production Index (OPI)</b>			
Hatchery	375,100	442,300	67,200
OCN	249,400	311,600	62,200
LCN	22,700	23,400	700
<b>Chinook</b>			
Sacramento Index (Fall Chinook)	729,900	199,300	-530,600
Klamath	age 3 - 304,600	232,700	-71,900
	age 4 - 61,600	66,700	5,100
Rogue Fall	Index - 45,000	NA	
Oregon Coast North Migrating	Fair Returns	Improved survey results and returns.	
<b>Columbia River 1/</b>			
Tules	249,900	179,100	-70,800
Fall Brights	498,200	410,000	-88,200
Lower River Wild	12,500	15,200	2,700
Upriver Spring	198,400	221,200	22,800
Willamette Spring	104,100	80,300	-23,800

1/ Preseason expectations to the mouth of the Columbia River.

## OPI Coho Forecast for 2012 with Preseason Forecast and Postseason Estimate Comparison

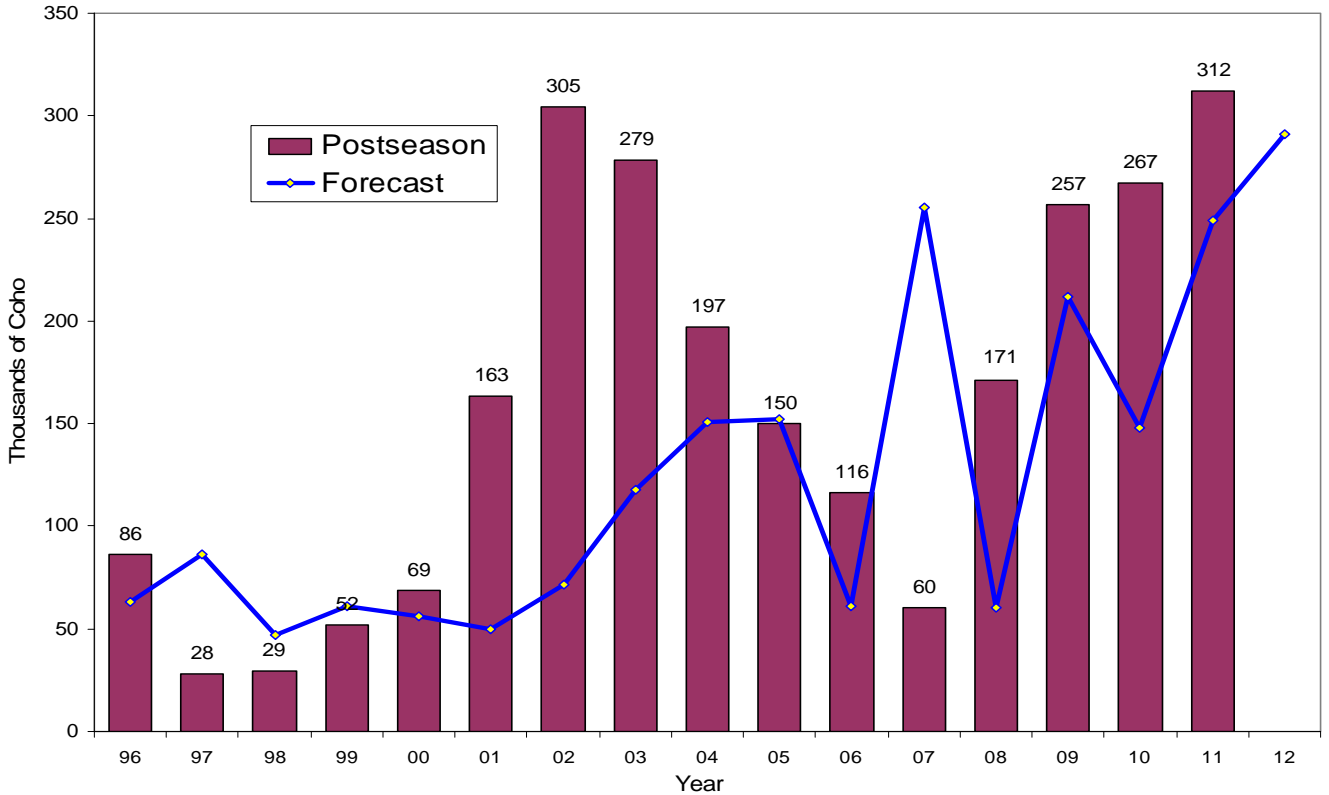


## OPI Hatchery Coho Forecast for 2012 with Preseason Forecast and Postseason Estimate Comparison

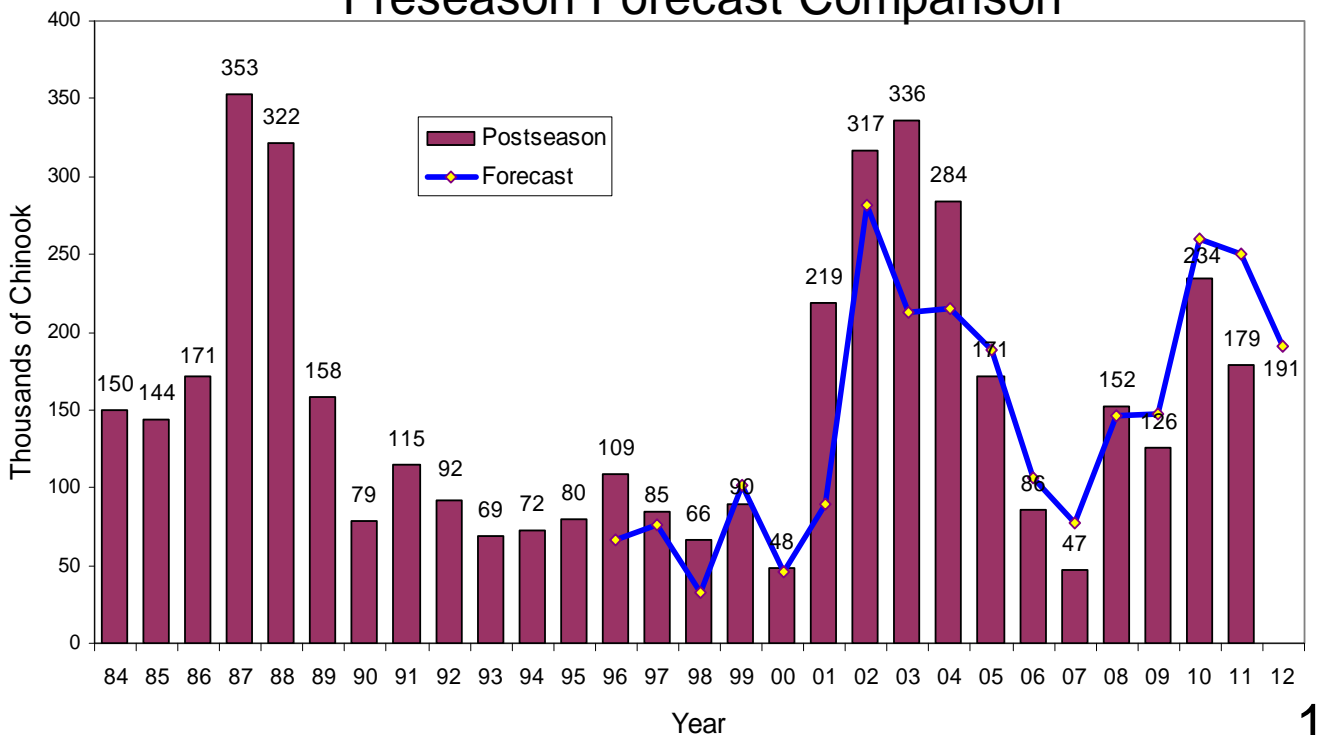




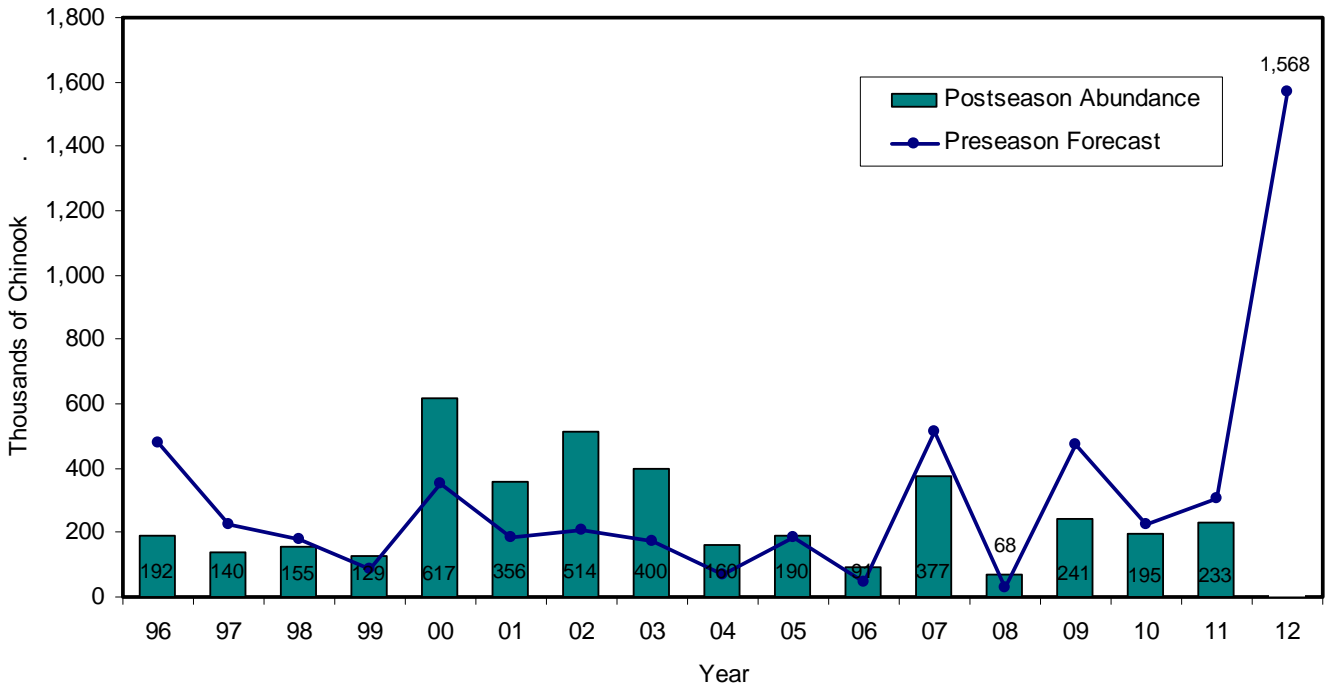
## OCN Coho Forecast for 2012 with Preseason Forecast and Postseason Estimate Comparison



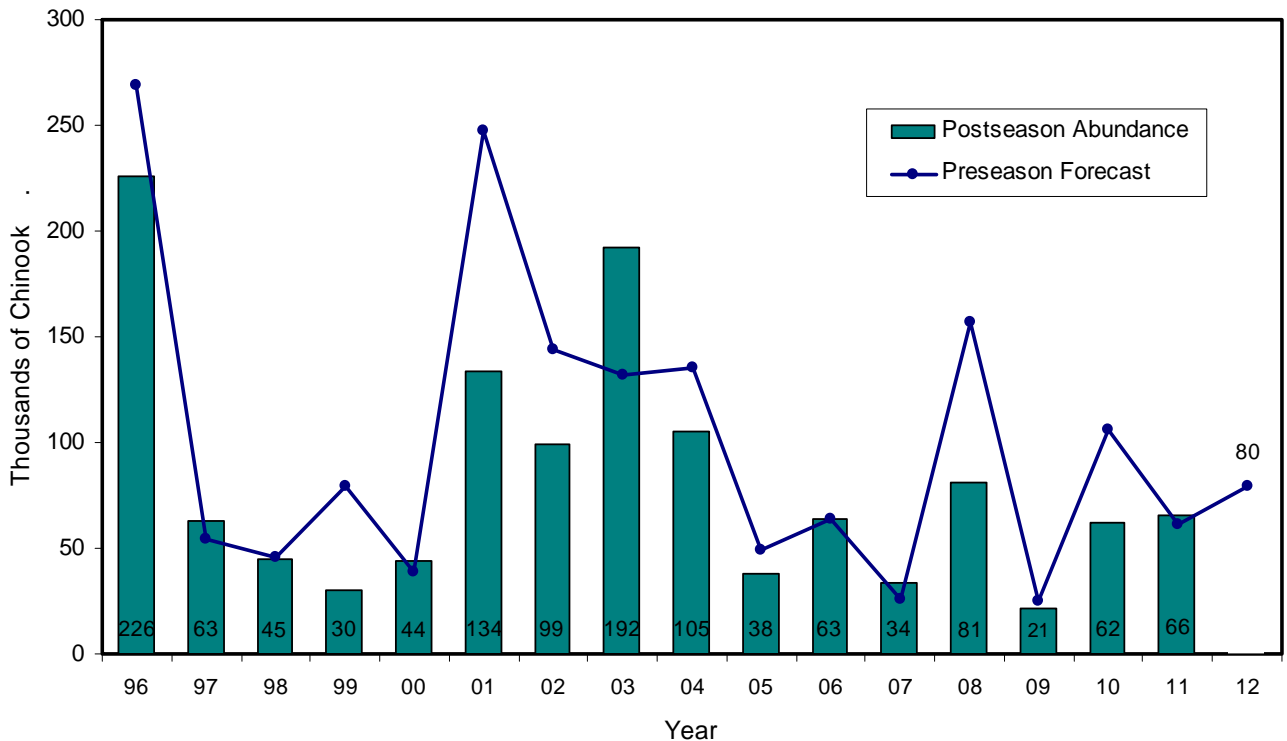
## Columbia R. Tule Chinook Ocean Escapement Forecast for 2012 with Postseason Estimate and Preseason Forecast Comparison



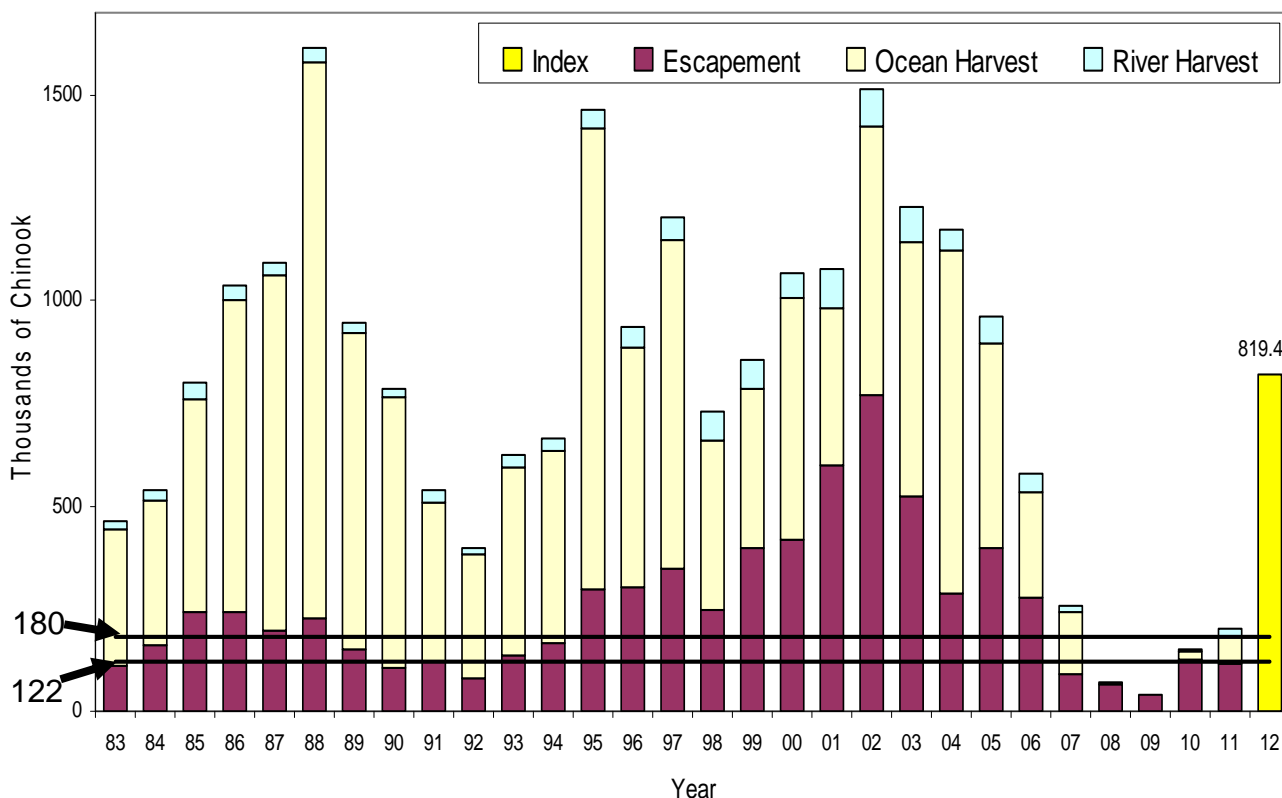
## Klamath R. Fall Chinook Age-3 Forecast for 2012 with Preseason Forecast and Postseason Estimate Comparison



## Klamath R. Fall Chinook Age-4 Forecast for 2012 with to Preseason Forecast and Postseason Estimate Comparison



# Sacramento R. Fall Chinook Escapements and Harvest, 1983-2011; and 2012 Index



## Preliminary 2012 Ocean Abundance Forecasts for Select Salmon Stocks

Coho	Preseason Expectations	Comments
<b>Oregon Production Index (OPI)</b>		
Hatchery	341,700	33,400 less than 2011 Forecast
OCN	291,000	41,600 more than 2011 Forecast
LCN	30,100	7,400 more than 2011 Forecast
<b>Chinook</b>		
Sacramento Index (Fall Chinook)	819,400	89,500 more than 2011 Forecast
Klamath	age 3 -1,567,600 age 4 - 79,600	1,263,000 more than 2011 Forecast 18,000 more than 2011 Forecast
Rogue Fall	Index - 45,000	28,200 more than 2011 Forecast
Oregon Coast North Migrating	Fair to Good Returns	Increasing spawner counts suggest improving trends
<b>Columbia River 1/</b>		
Tules	190,800	59,100 less than 2011 Forecast
Fall Brights	444,300	53,900 less than 2011 Forecast
Lower River Wild	16,200	3,700 more than 2011 Forecast
Upriver Spring	314,200	115,800 more than 2011 Forecast
Willamette Spring	83,400	20,700 less than 2011 Forecast

1/ Preseason expectations to the mouth of the Columbia River.

**Oregon Coastal Natural Coho Spawning Escapement Estimates, 1997-2011.**

Component and Basin	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	1997-2011 Avg.
<b>NORTHERN</b>																
Necanicum	253	946	728	474	5,247	2,896	3,068	2,198	1,218	750	431	1,055	3,827	4,445	1,842	1,959
Nehalem	1,173	1,190	3,713	14,285	22,310	20,903	33,059	18,736	10,451	11,614	14,033	17,205	21,753	32,215	14,270	15,794
Tillamook	388	271	2,175	1,983	1,883	15,715	14,584	2,532	1,995	8,774	2,295	4,828	16,251	14,890	21,512	7,338
Nestucca	271	169	2,201	1,171	3,940	13,003	8,929	4,695	686	1,876	394	1,844	4,252	1,947	8,754	3,609
Ind. Tribs.	61	0	47	0	71	16	0	661	2,116	1,121	376	639	2,052	1,473	1,409	669
<b>TOTAL</b>	2,146	2,576	8,864	17,913	33,451	52,533	59,640	28,822	16,466	24,135	17,529	25,571	48,135	54,970	47,787	29,369
<b>NORTH-CENTRAL</b>																
Salmon	237	8	175	0	310	372	0	1,642	79	513	59	652	753	1,382	3,528	647
Siletz	336	394	706	3,553	1,437	2,252	9,736	8,179	14,567	5,205	2,197	20,634	24,070	6,283	26,964	8,434
Yaquina	384	365	2,588	647	3,039	23,981	13,254	5,539	3,441	4,247	3,158	10,913	11,182	8,589	19,065	7,359
Beaver Ck.	425	1,041	3,366	738	5,274	8,754	5,812	4,569	2,264	1,950	611	1,218	3,575	2,072	2,882	2,970
Alesea	680	213	2,050	2,465	3,339	6,170	8,957	5,233	13,907	1,972	2,146	13,320	14,638	9,688	22,393	7,145
Siuslaw	668	1,089	2,724	6,767	11,024	57,129	29,257	8,729	16,907	5,869	3,552	17,491	30,607	25,983	24,475	16,151
Ind. Tribs.	112	173	150	91	816	5,308	1,852	8,179	242	1,468	547	3,910	1,610	2,548	5,708	2,181
<b>TOTAL</b>	2,842	3,283	11,759	14,261	25,239	103,966	68,868	42,070	51,407	21,224	12,270	68,138	86,435	56,545	105,015	44,888
<b>SOUTH-CENTRAL</b>																
Umpqua	2,960	9,153	7,685	12,233	35,702	37,591	29,607	29,920	42,532	18,092	11,783	37,868	57,984	70,019	68,736	31,458
Coos	1,127	3,167	4,945	5,386	43,301	35,688	29,559	23,337	17,048	11,266	1,329	14,881	26,979	27,658	9,205	16,992
Coquille	5,720	2,466	3,001	6,130	13,310	8,610	23,909	22,138	11,806	28,577	13,968	8,791	22,286	23,564	35,800	15,338
Floras Ck.	-	252	164	1,440	1,945	20	310	7,446	506	1,104	340	786	3,203	11,329	4,118	2,355
Sixes R.	-	-	-	-	-	-	-	403	105	294	97	43	176	100	247	183
Coastal Lakes	8,603	11,107	12,710	12,747	19,669	22,162	16,688	18,642	14,725	24,127	8,955	23,608	17,349	38,744	20,392	18,015
Ind. Tribs.	-	-	-	-	-	-	-	-	-	-	-	0	188	484	75	187
<b>TOTAL</b>	18,410	26,145	28,505	37,936	113,927	104,071	100,073	101,886	86,722	83,460	36,472	85,977	128,165	171,898	138,573	84,148
<b>SOUTH</b>																
<b>Rogue</b>	8,213	2,257	1,389	10,978	12,579	8,403	6,754	24,486	9,957	3,937	5,242	414	2,566	3,073	3,917	6,944
<b>COASTWIDE</b>	31,611	34,261	50,517	81,088	185,196	268,973	235,335	197,264	164,552	132,756	71,513	180,100	265,301	286,486	295,292	165,350

Harvest management matrix for lower Columbia River wild coho showing maximum allowable **ocean** fishery mortality rates.

Parental Escapement		Marine Survival Index (based on return of jacks per hatchery smolt)			
		Critical (<0.0008)	Low (< 0.0015)	Medium (< 0.0040)	High (> 0.0040)
High	> 0.75 full seeding	< 8.0%	< 15.0%	< 30.0%	< 45.0%
Medium	0.75 to 0.50 full seeding	< 8.0%	< 15.0%	< 20.0%	< 38.0%
Low	0.50 to 0.20 full seeding	< 8.0%	< 15.0%	< 15.0%	< 25.0%
Very Low	0.20 to 0.10 of full seeding	< 8.0%	< 11.0%	< 11.0%	< 11.0%
Critical	< 0.10 of full seeding	0 – 8.0%	0 – 8.0%	0 – 8.0%	0 – 8.0%

Fishery impact rate criteria for OCN coho stock components based on the harvest matrix resulting from the OCN work group 2000 Review of Amendment 13

Parent Spawner Status <sup>1/</sup>	Marine Survival Index (based on return of jacks per hatchery smolt)						
	Extremely Low (<0.0008)	Low (0.0008 to 0.0014)	Medium (>0.0014 to 0.0040)	High (>0.0040)			
High Parent Spawners > 75% of full seeding	E ≤ 8%	J ≤ 15%	O ≤ 30%	J ≤ 45%			
Medium Parent Spawners > 50% & ≤ 75% of full seeding	D ≤ 8%	I ≤ 15%	N ≤ 20%	I ≤ 38%			
Low Parent Spawners > 19% & ≤ 50% of full seeding	C ≤ 8%	H ≤ 15%	M ≤ 15%	H ≤ 25%			
Very Low Parent Spawners > 4 fish per mile & ≤ 19% of full seeding	B ≤ 8%	G ≤ 11%	L ≤ 11%	Q ≤ 11%			
Critical <sup>2/</sup> Parental Spawners ≤ 4 fish per mile	A 0 - 8%	F 0 - 8%	K 0 - 8%	P 0 - 8%			
Sub-aggregate and Basin Specific Spawner Criteria Data							
Sub-aggregate	Miles of Available Spawning Habitat	100% of Full Seeding	"Critical"		Very Low, Low, Medium & High		
			4 Fish per Mile	12% of Full Seeding	19% of Full Seeding	50% of Full Seeding	75% of full Seeding
Northern	899	21,700	3,596	NA	4,123	10,850	16,275
North - Central	1,163	55,000	4,652	NA	10,450	27,500	41,250
South - Central	1,685	50,000	6,740	NA	9,500	25,000	37,500
Southern	450	5,400	NA	648	1,026	2,700	4,050
Coastwide Total	4,197	132,100	15,636		25,099	66,050	99,075

1/ Parental spawner abundance status for the OCN aggregate assumes the status of the weakest sub-aggregate.

2/ "Critical" parental spawner status is defined as 4 fish per mile for the Northern, North-Central, and South-Central subaggregates. Because the ratio of high quality spawning habitat to total spawning habitat in the Rogue River Basin differs significantly from the rest of the basins on the coast, the spawner density of 4 fish per mile does not represent "Critical" status for that basin. Instead, "Critical" status for the Rogue Basin (Southern Sub-aggregate) is estimated as 12% of full seeding of high quality habitat.