

Information packet and supplemental materials presented at the Ocean Salmon Industry Group (OSIG) meeting in Newport, Oregon on February 25, 2010.

- 2009 Seasons and Historical Catch Information presented by Eric Schindler, ODFW, Newport
- 2009 Escapements and 2010 Forecasts presented by Craig Foster, ODFW, Clackamas

**Ocean Salmon Industry Group
Preseason Planning Meeting
for
Ocean Recreational and Commercial Troll
Salmon Fisheries off Oregon, 2010**

BRIEFING DOCUMENTS:

2009 Season Summary
2010 Management Process Schedule
2009 Escapement Estimates
2010 Stock Abundance Forecasts
and other materials

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

Hallmark Resort
Newport, Oregon
February 25, 2010

Ocean Salmon Effort and Landing Estimates for 2009 with Comparison to 2008, 2007, and 1979-1990 Average.

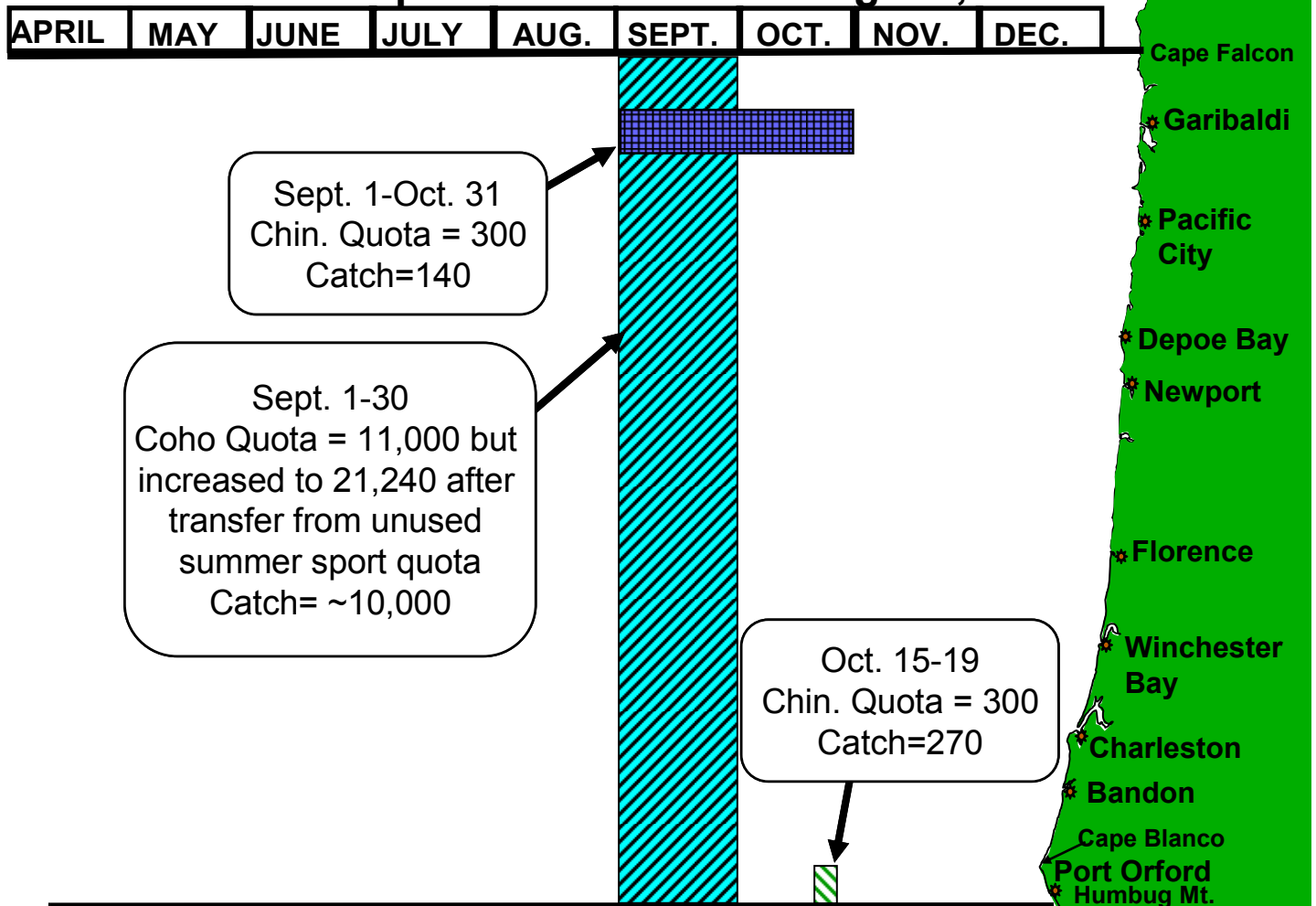
Recreational Ocean Salmon Fisheries

Catch Area	Effort (Angler Trips)			Chinook (Number of Fish)			Coho (Number of Fish)		
	2009	2008	1979-90	2009	2008	1979-90	2009	2008	1979-90
Columbia River	12,250	3,654	12,386	980	817	4,255	19,419	2,191	18,397
Tillamook	22,374	9,121	21,028	361	468	1,584	23,589	1,241	12,563
Newport	29,607	5,449	20,765	33	3	2,930	35,438	2,791	15,388
Coos Bay	14,362	7,399	22,973	12	10	7,610	9,967	3,728	12,736
Brookings	5,964	4,795	11,112	195	280	15,544	1,215	2,134	1,569
Oregon Total	84,557	30,418	88,264	1,581	1,578	31,923	89,628	12,085	60,653

Commercial Ocean Troll Salmon Fisheries

Catch Area	Effort (Boat Days)			Chinook (Number of Fish)			Coho (Number of Fish)		
	2009	2008	1979-90	2009	2008	1979-90	2009	2008	1979-90
Columbia River	528	661	325	712	5,434	4,754	12,688	435	11,553
Tillamook	265	49	703	140	76	14,570	3,474	-	1,279
Newport	284	-	1,115	-	-	53,568	5,103	-	1,872
Coos Bay	136	48	2,626	293	208	144,320	686	-	2,391
Brookings	-	51	464	-	236	45,449	-	-	-
Oregon Total	1,213	809	5,233	1,145	5,954	262,661	21,951	435	17,095

Oregon commercial ocean troll salmon seasons between Cape Falcon and Humbug Mt., 2009

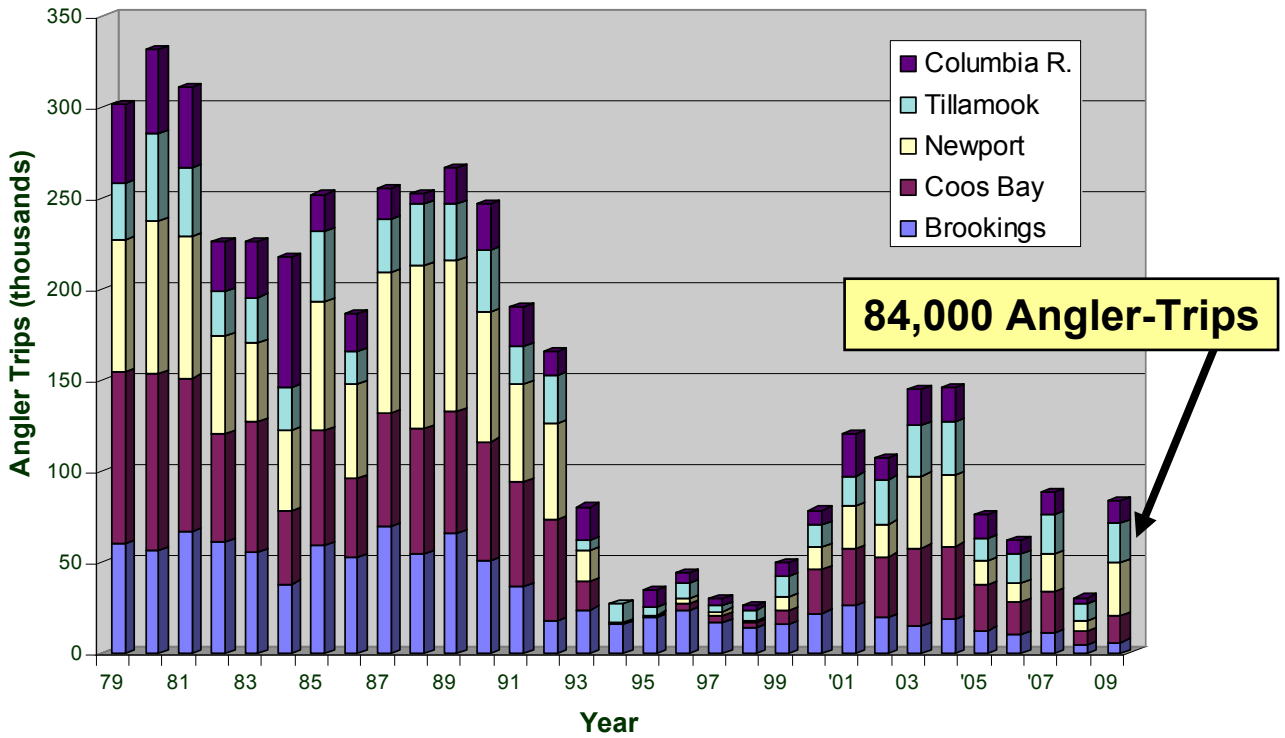


- Chinook only. Open in State Waters (0-3 miles), Twin Rocks to Pyramid Rock. No more than 4 spreads/wire. Landing and possession limit of 25 Chinook per vessel per week.**

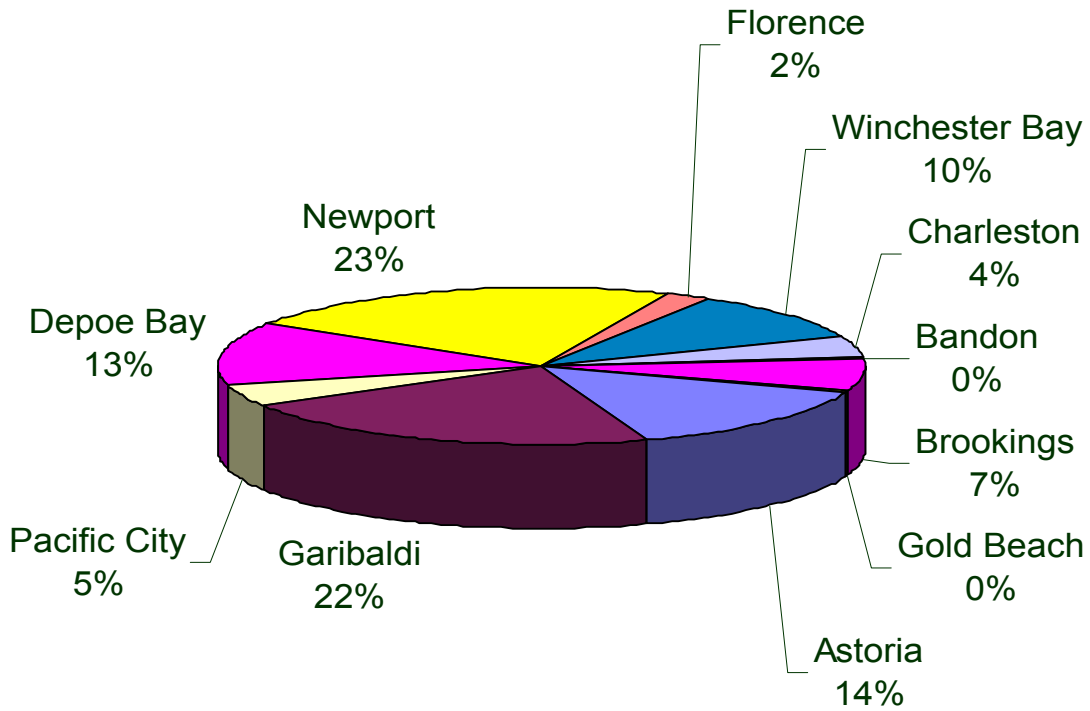
- Chinook only. Open in State Waters (inside line from Cape Blanco to Black Rock to Best Rock to 20 fathoms due West of Tichenor Rock to shore). No more than 4 spreads/wire. Single day landing and possession limit of 20 Chinook. All fish must be landed in Port Orford.**

- All salmon except Chinook.. No more than 4 spreads/wire. Calendar week limit of 100 coho per vessel.**

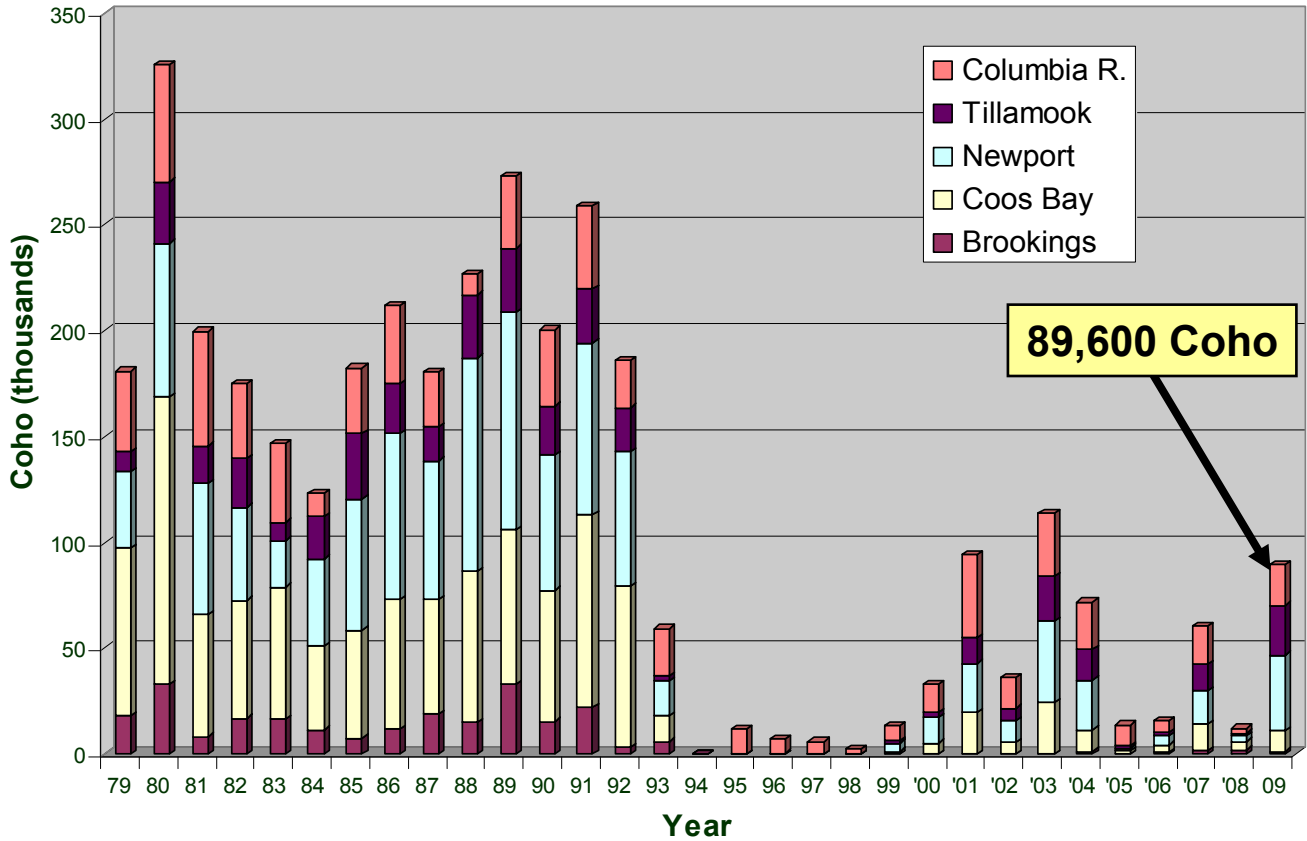
Ocean Sport Salmon Effort by Area



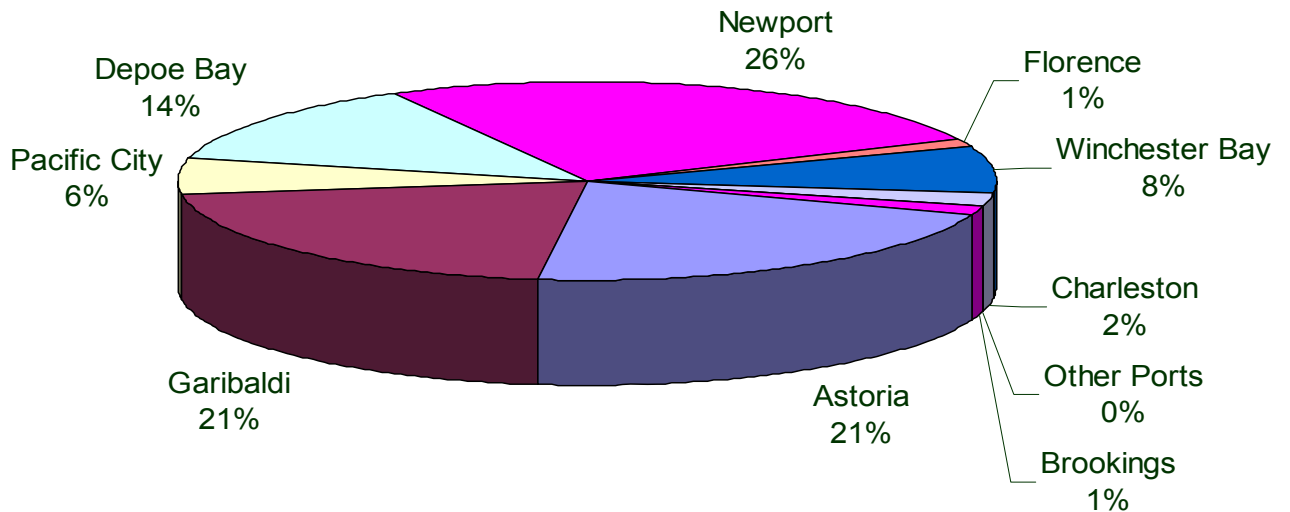
Sport Effort by Port, 2009



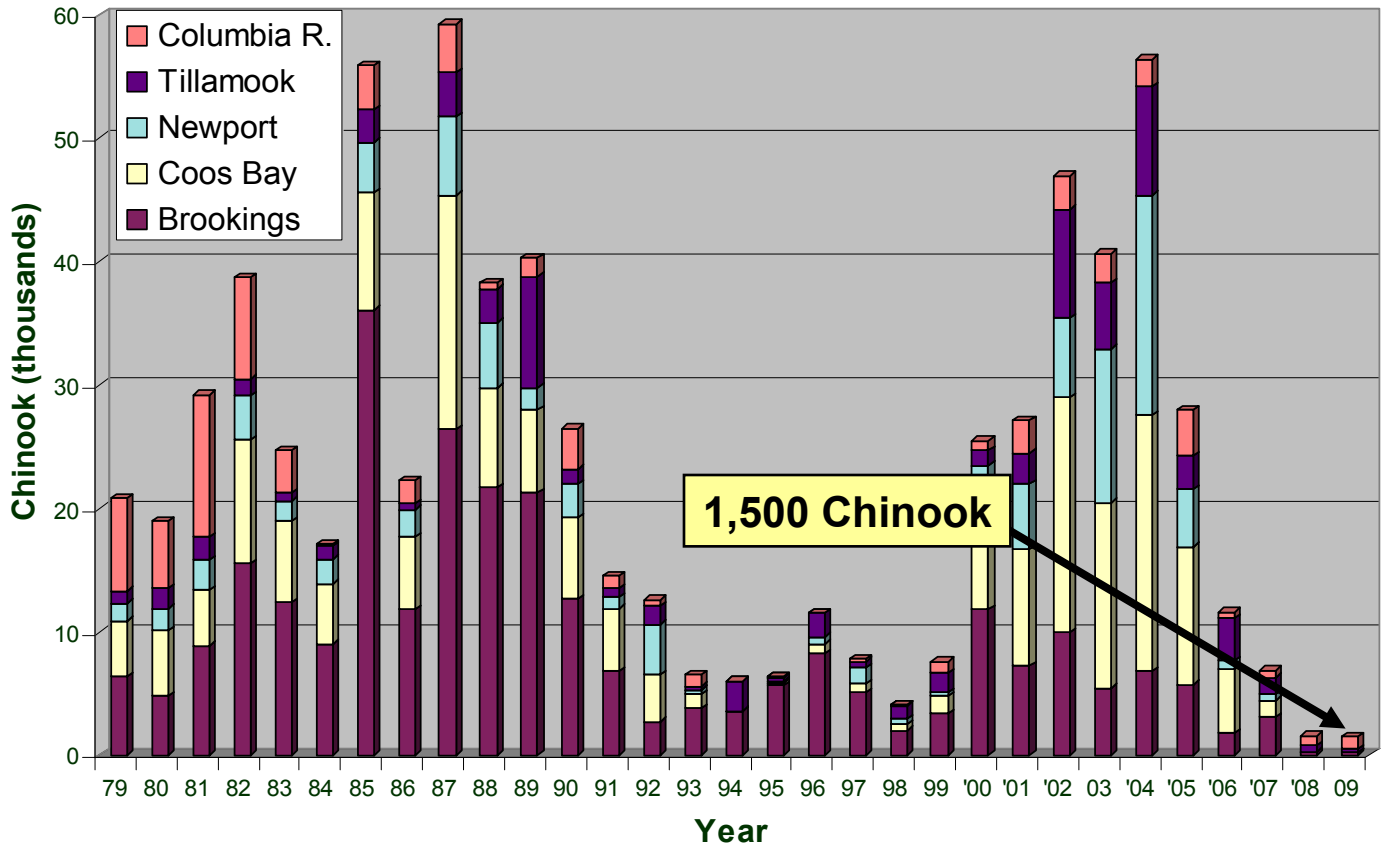
Ocean Sport Coho Landings by Area



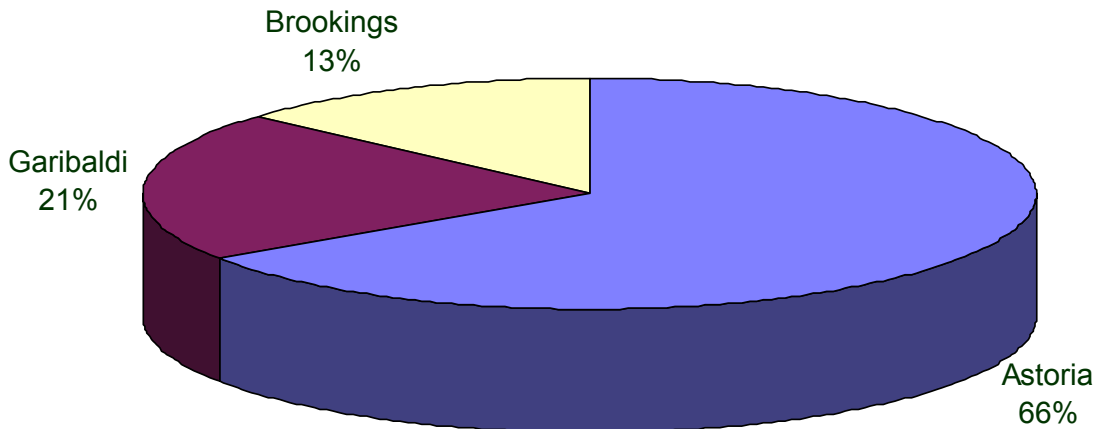
Sport Coho Landings by Port, 2009



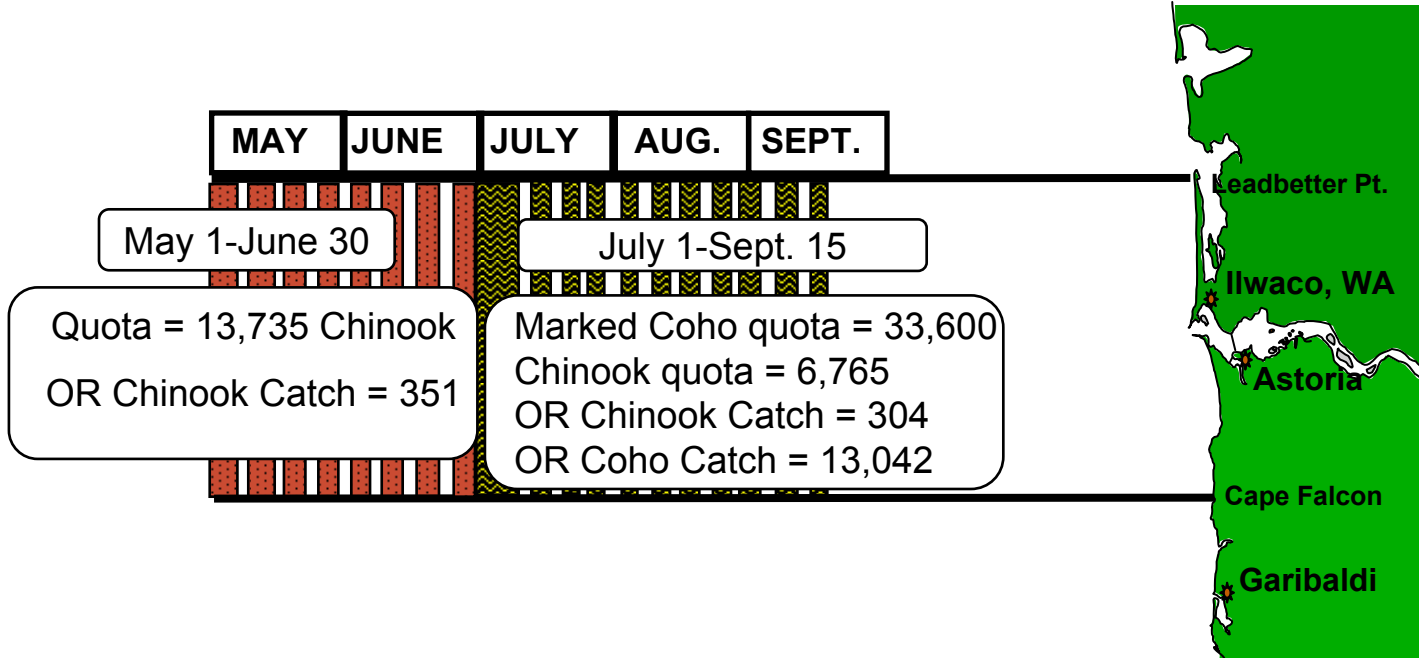
Ocean Sport Chinook Landings by Area



Sport Chinook Landings by Port, 2009



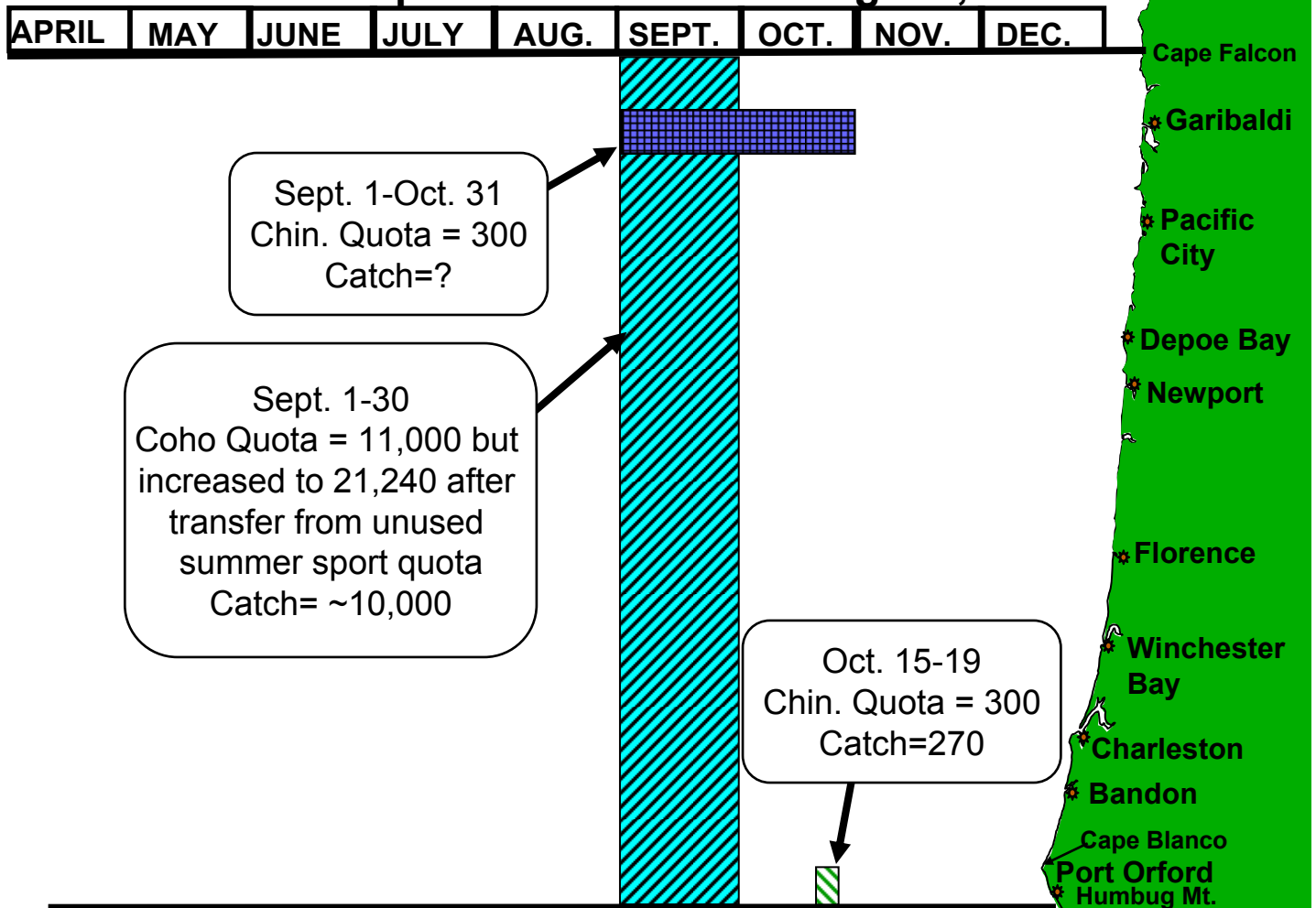
Oregon commercial ocean troll salmon seasons North of Cape Falcon, 2009



- **All salmon except coho. May 1-5, May 8-12, and then each Sat through Tues. Open period limits of 75 Chinook. Landings restricted to within the open area and Garibaldi only.**

- **All salmon. All retained coho must have a healed adipose fin clip. Open July 1-7 and open periods of Sat through Tues from July 5-Sept. 16. Open period limits of 40 Chinook and 200 coho from July 1-14, then 75 Chinook and 200 coho from July 18-Sept. 1, and 75 Chinook and 100 coho from Sept. 5-15. Landings restricted to within the open area and Garibaldi only.**

Oregon commercial ocean troll salmon seasons between Cape Falcon and Humbug Mt., 2009

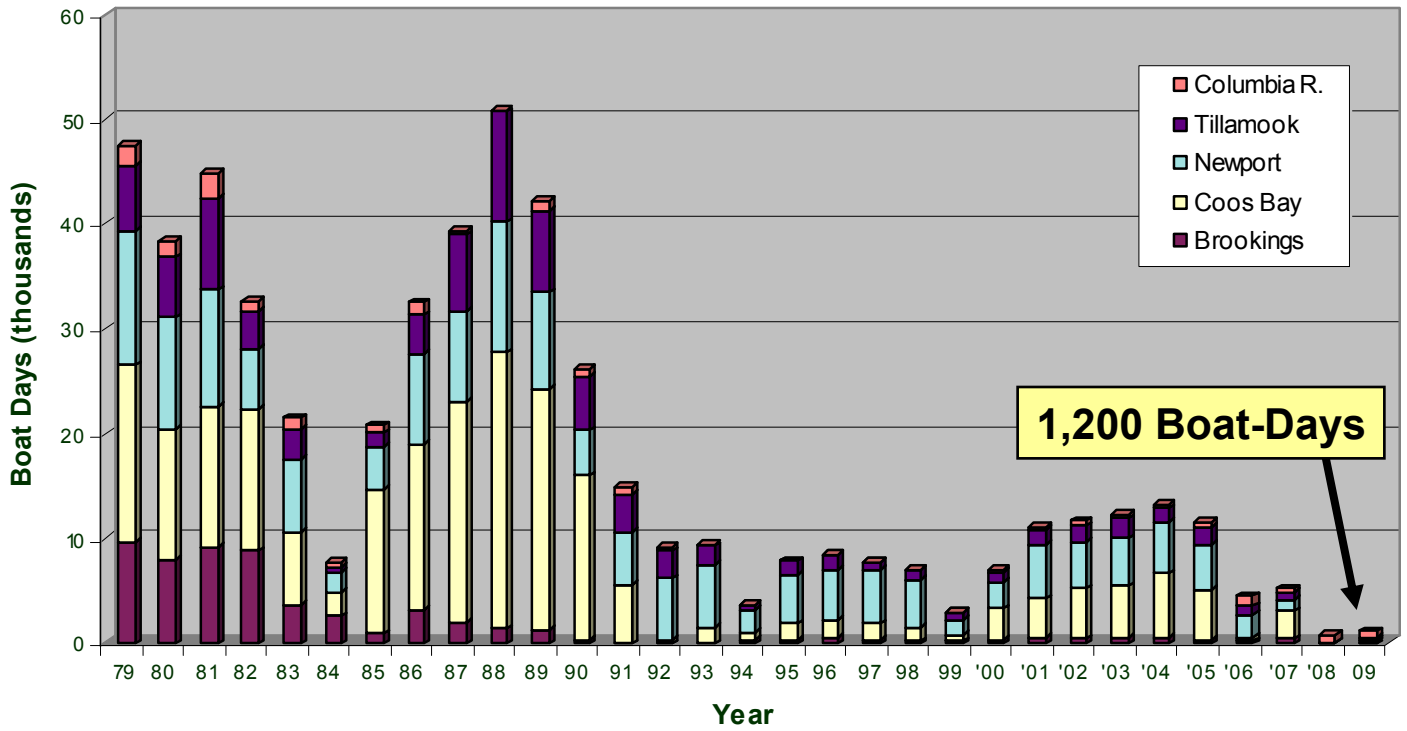


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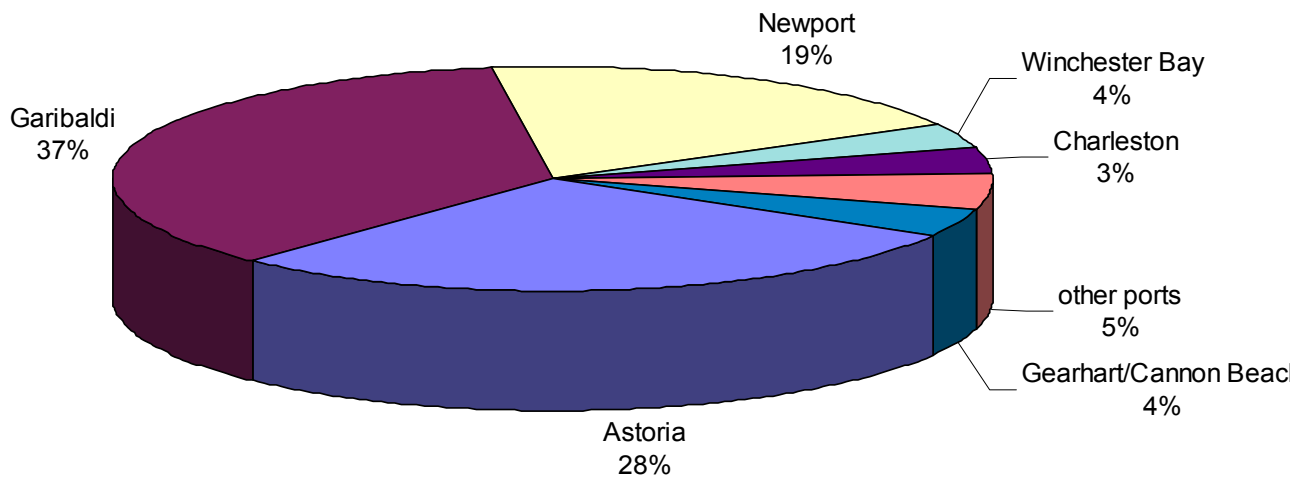
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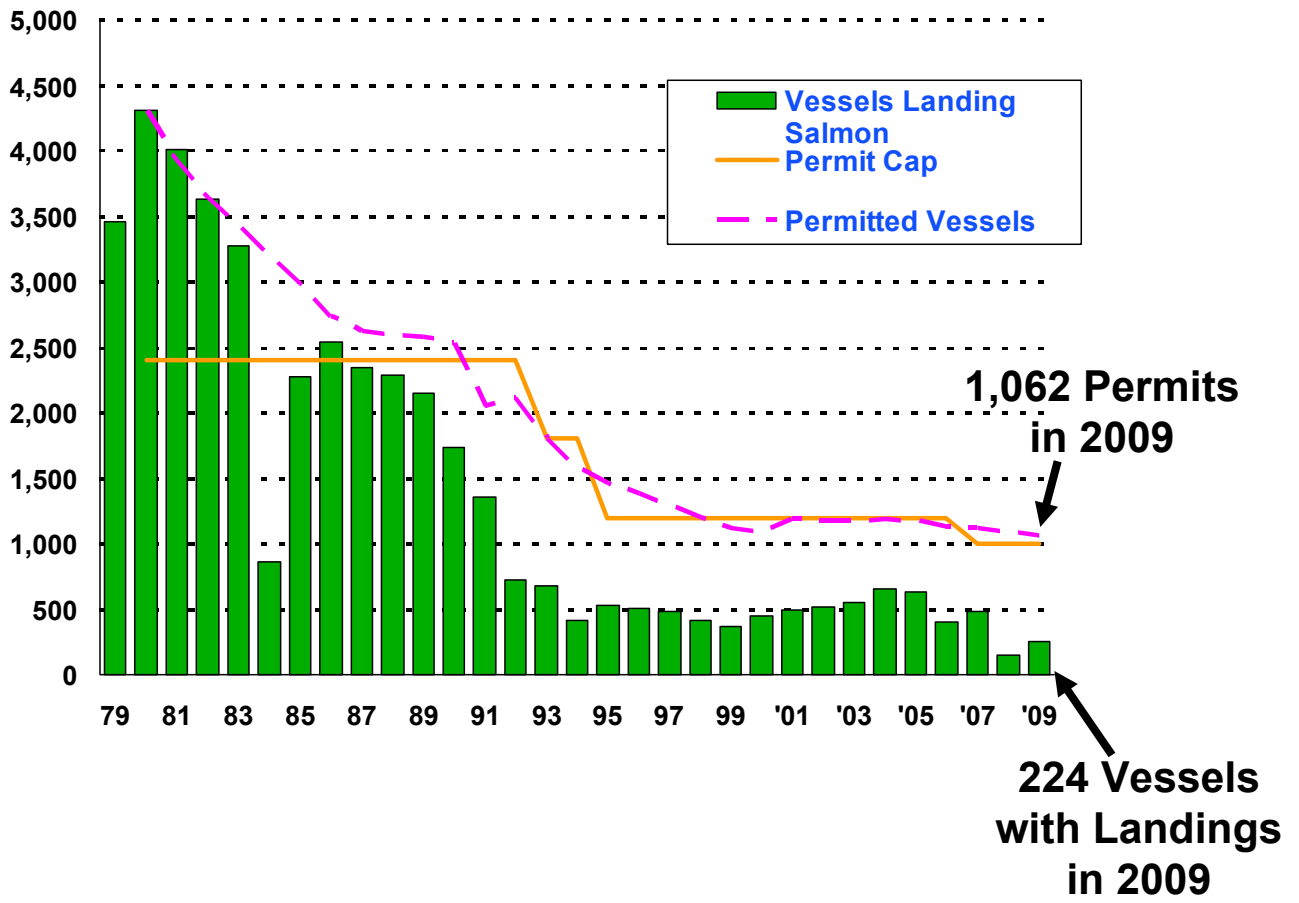
- All salmon except Chinook.. No more than 4 spreads/wire. Calendar week limit of 100 coho per vessel.**

Troll Effort by Area

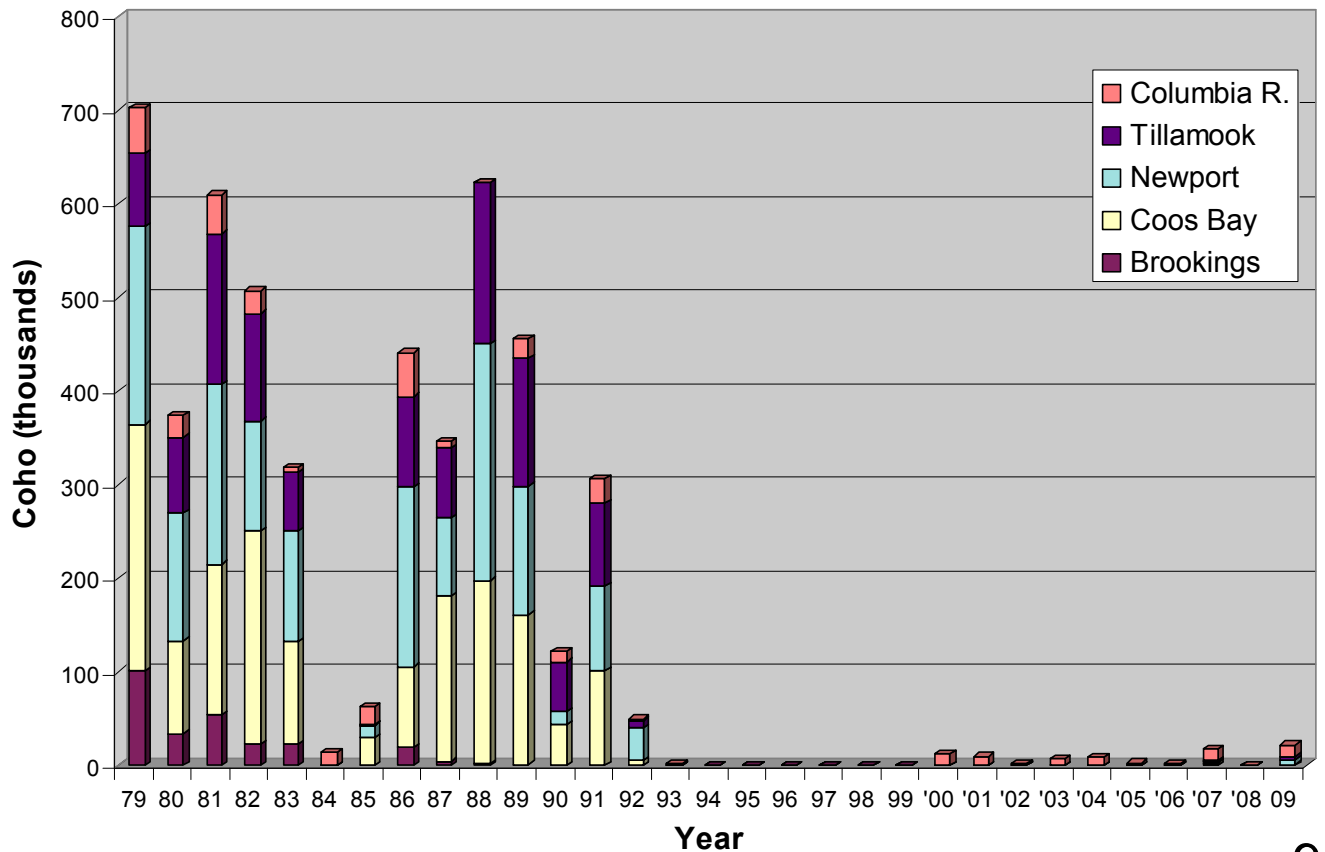


Troll Effort (Deliveries) by Port, 2009

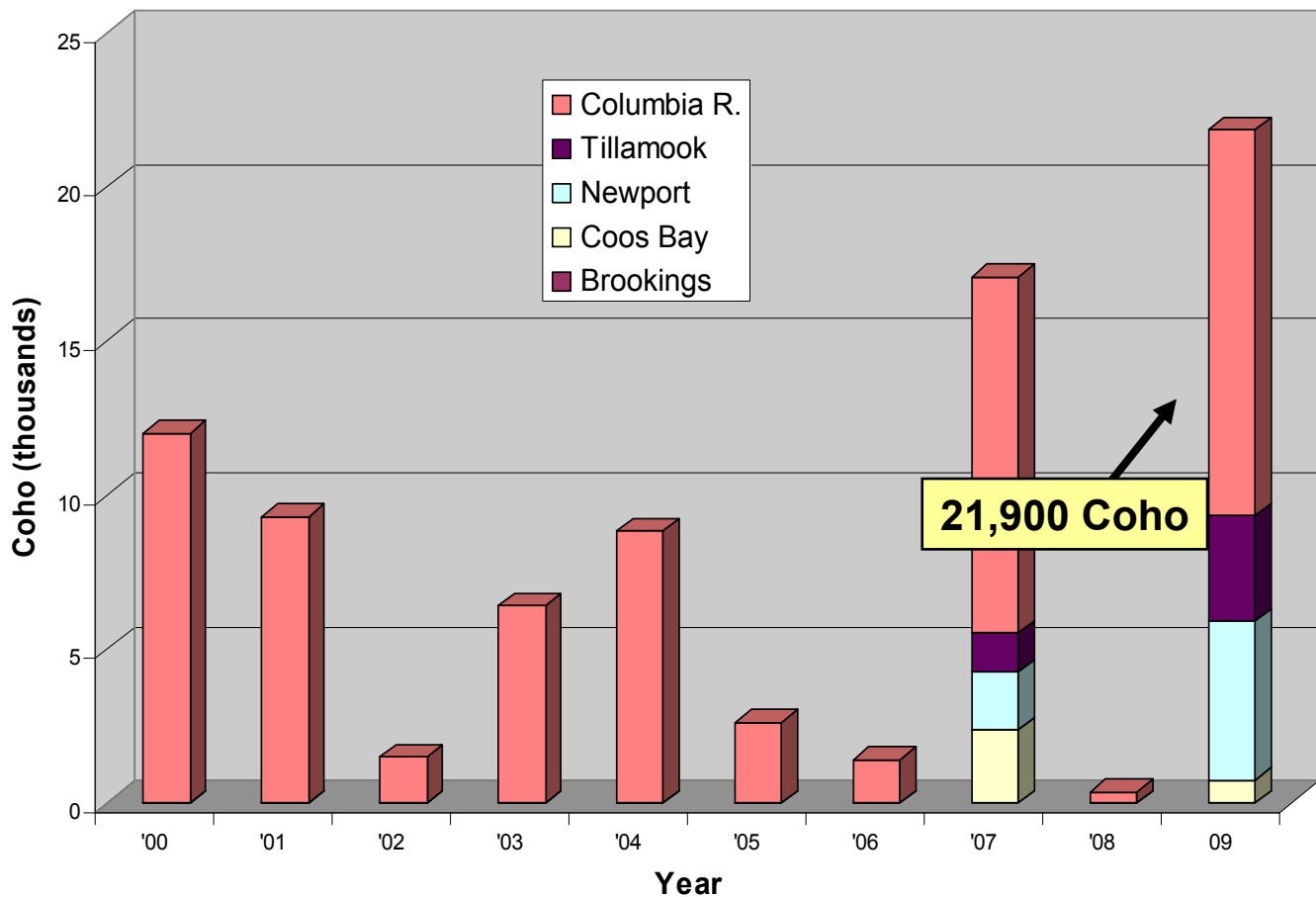




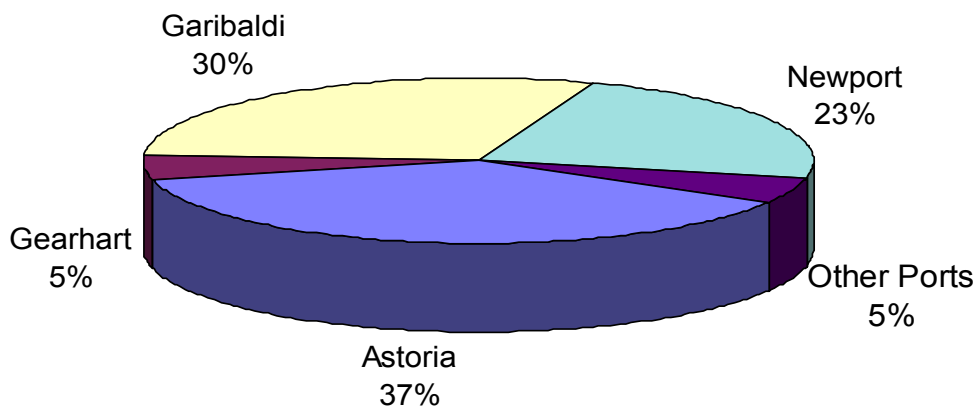
Troll Coho Landings by Area



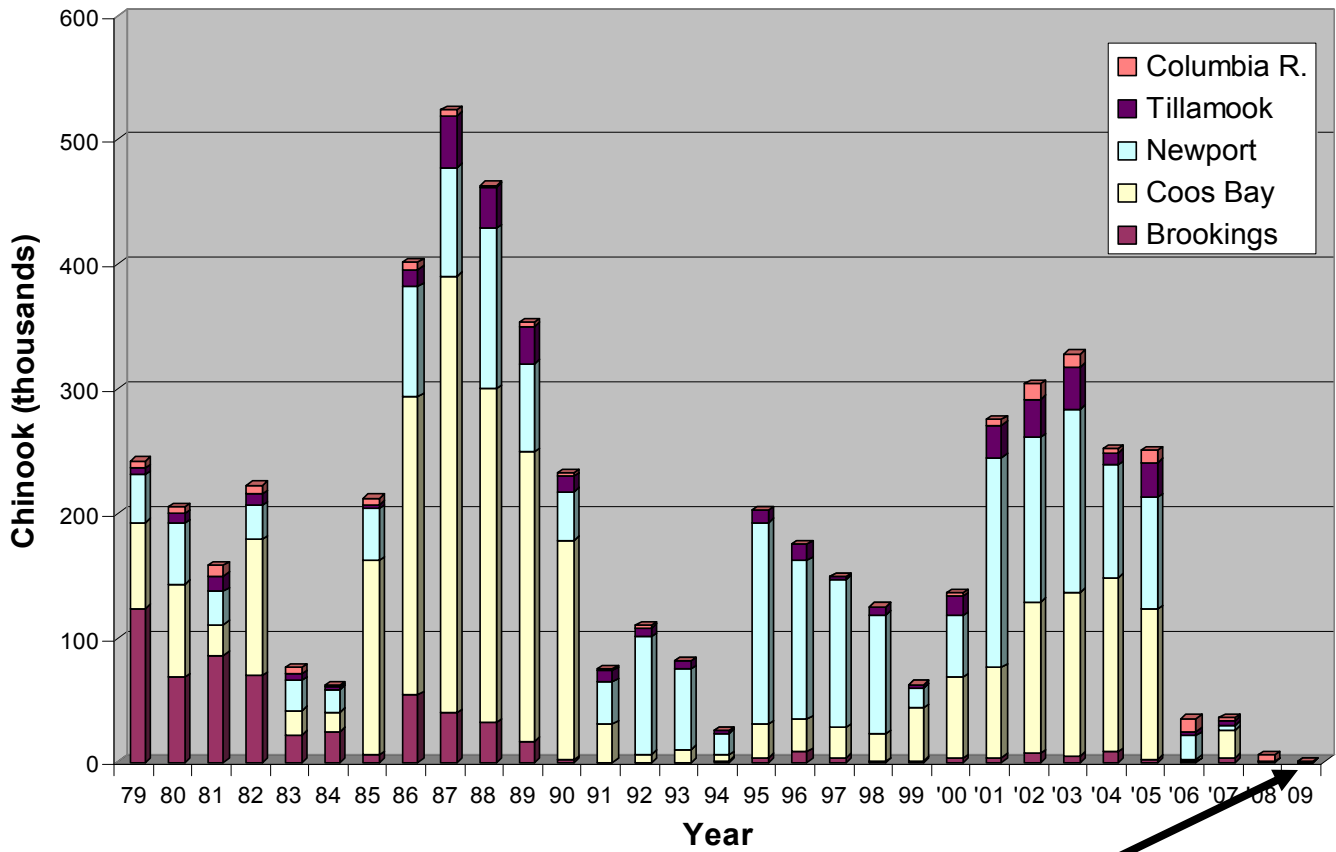
Troll Coho Landings by Area



Troll Coho Landings by Port, 2009

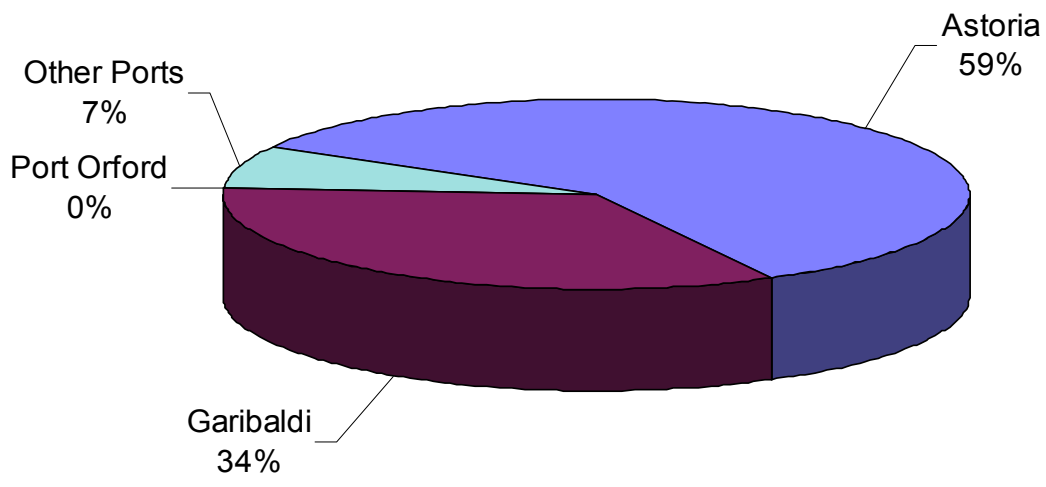


Troll Chinook Landings by Area



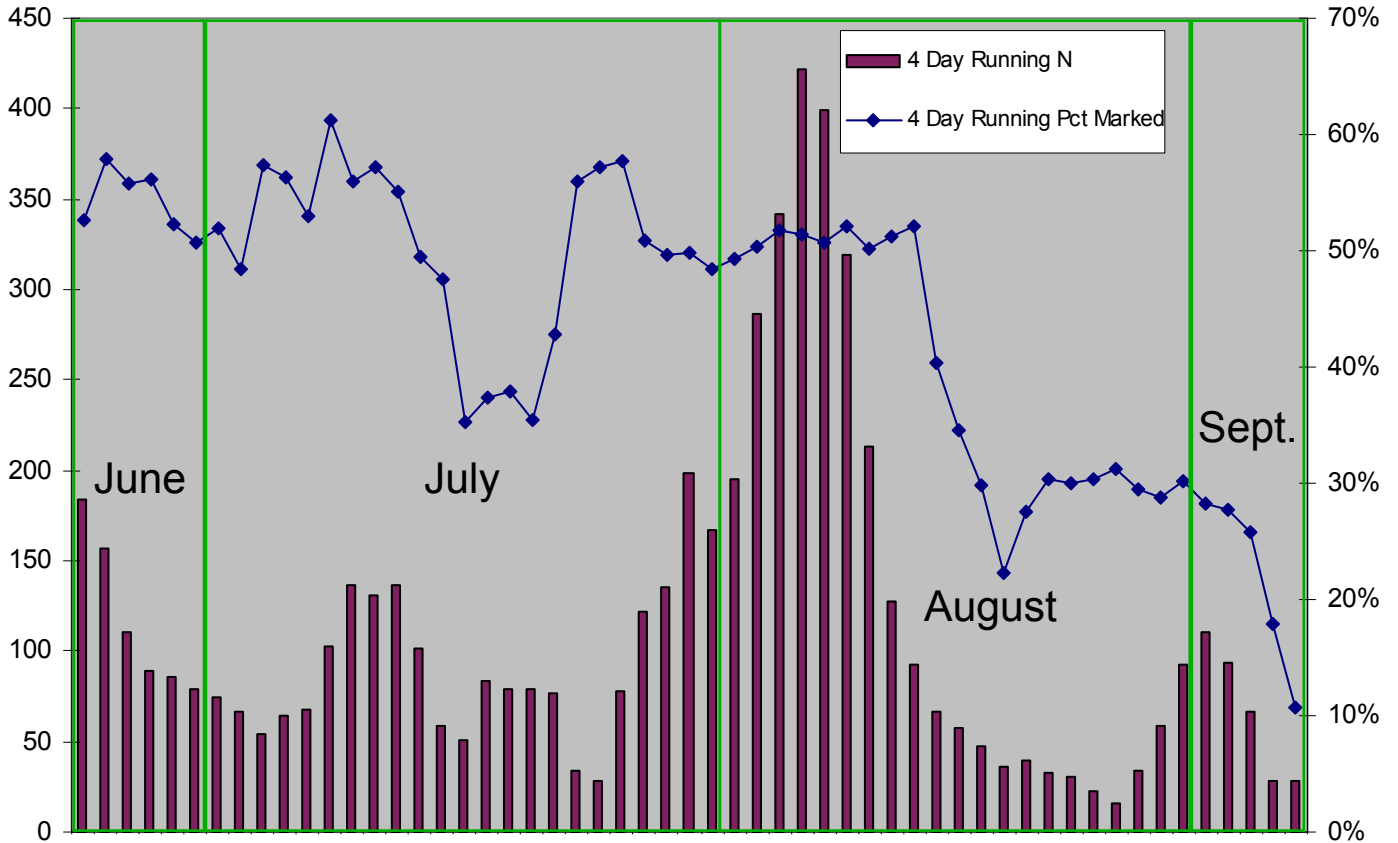
800 Chinook

Troll Chinook Landings by Port, 2009

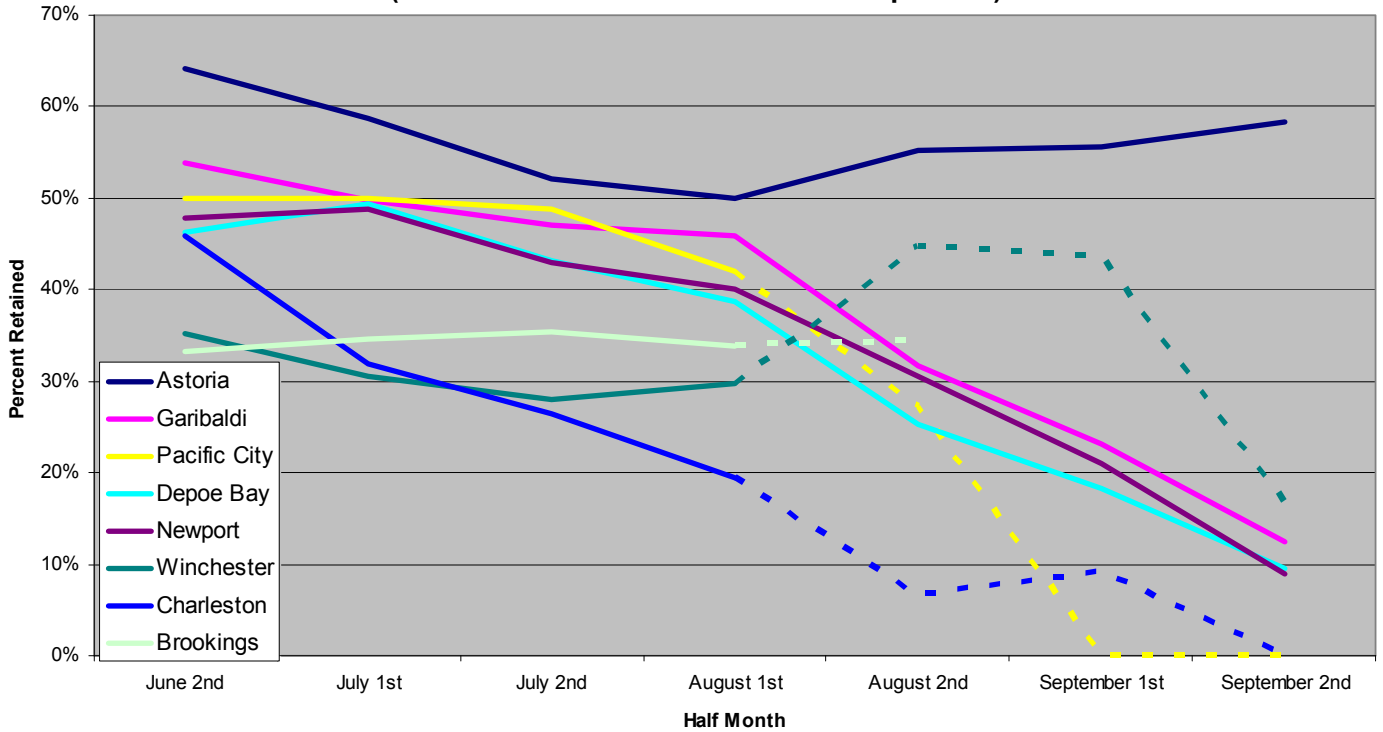


Additional slides not in the packet, but presented in the fishery review section of the OSIG meeting.

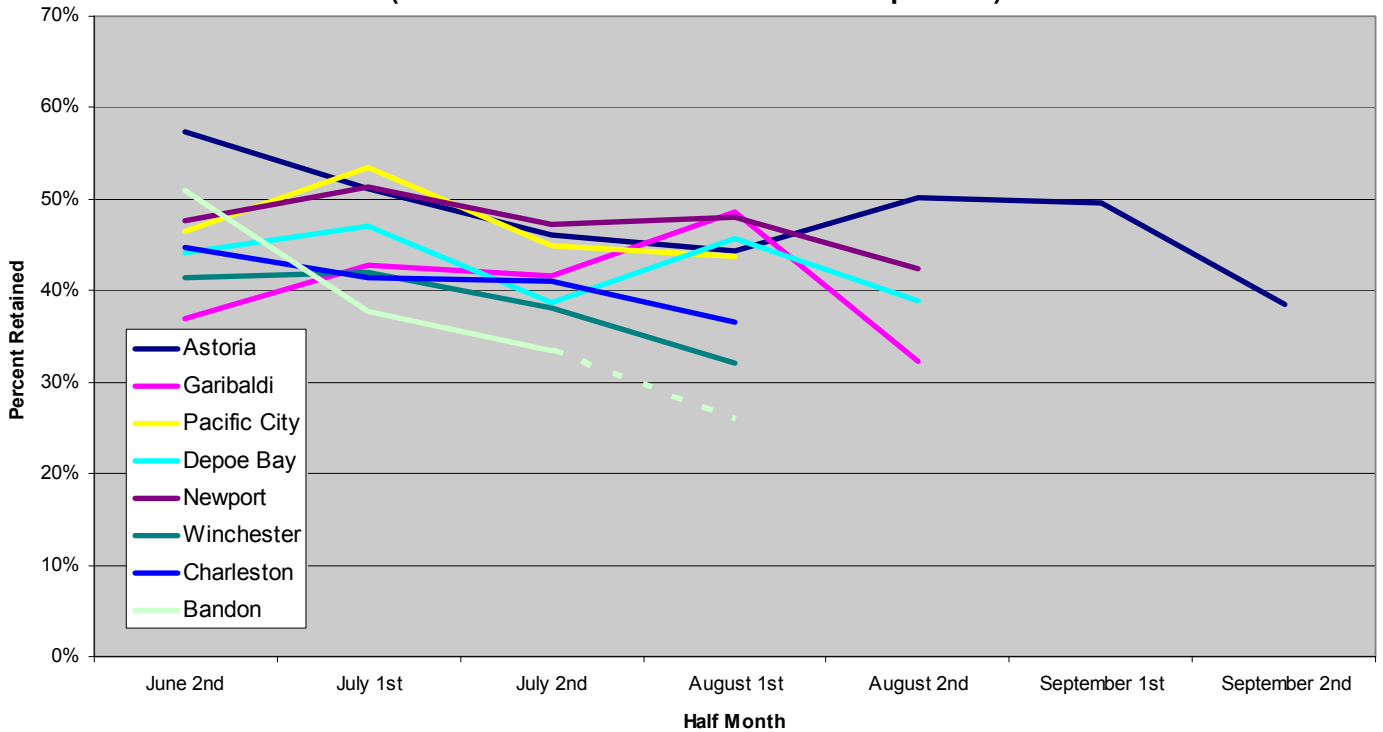
At-Sea Observations of Coho Interceptions
Off Newport and Depoe Bay, 2009



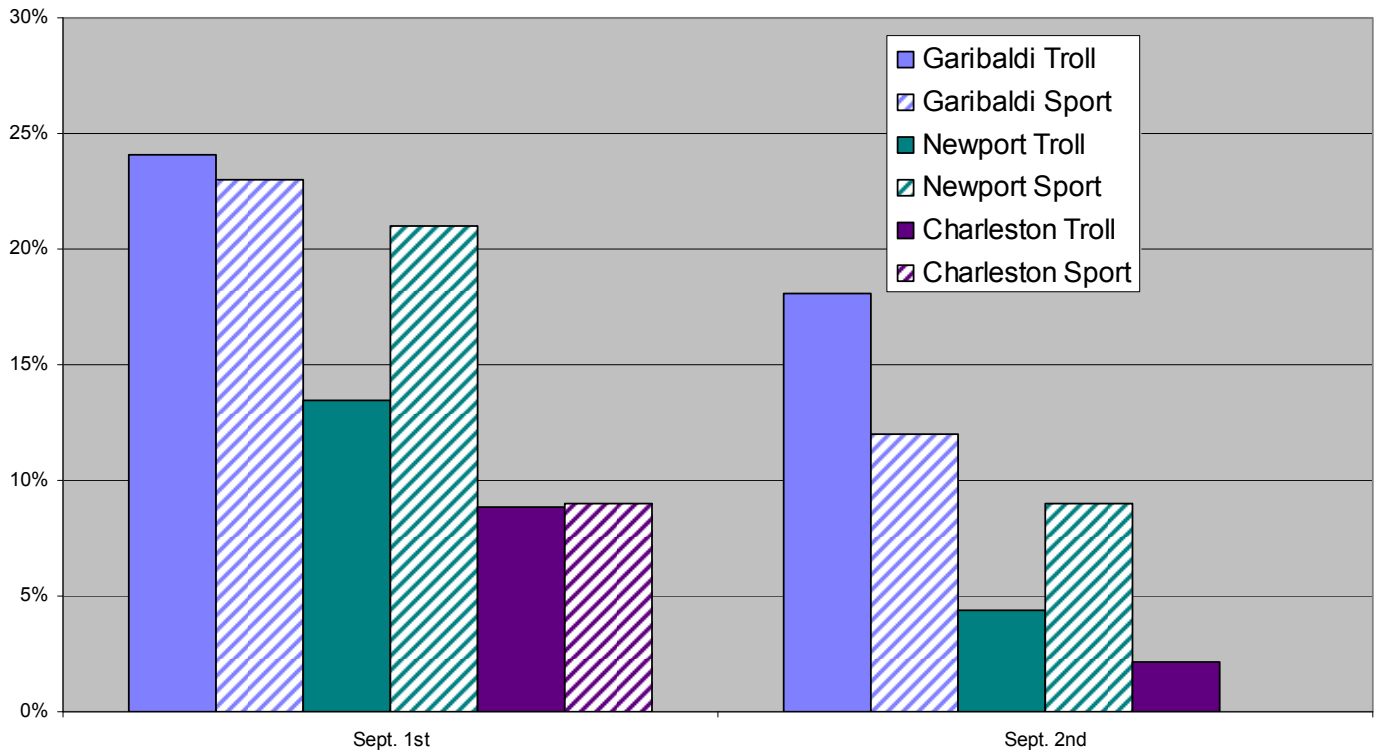
**Oregon Ocean Coho Salmon Mark Rate
In Half Month Increments by Port of Landing, 2009
(Note: Dashed lines indicate low sample size)**

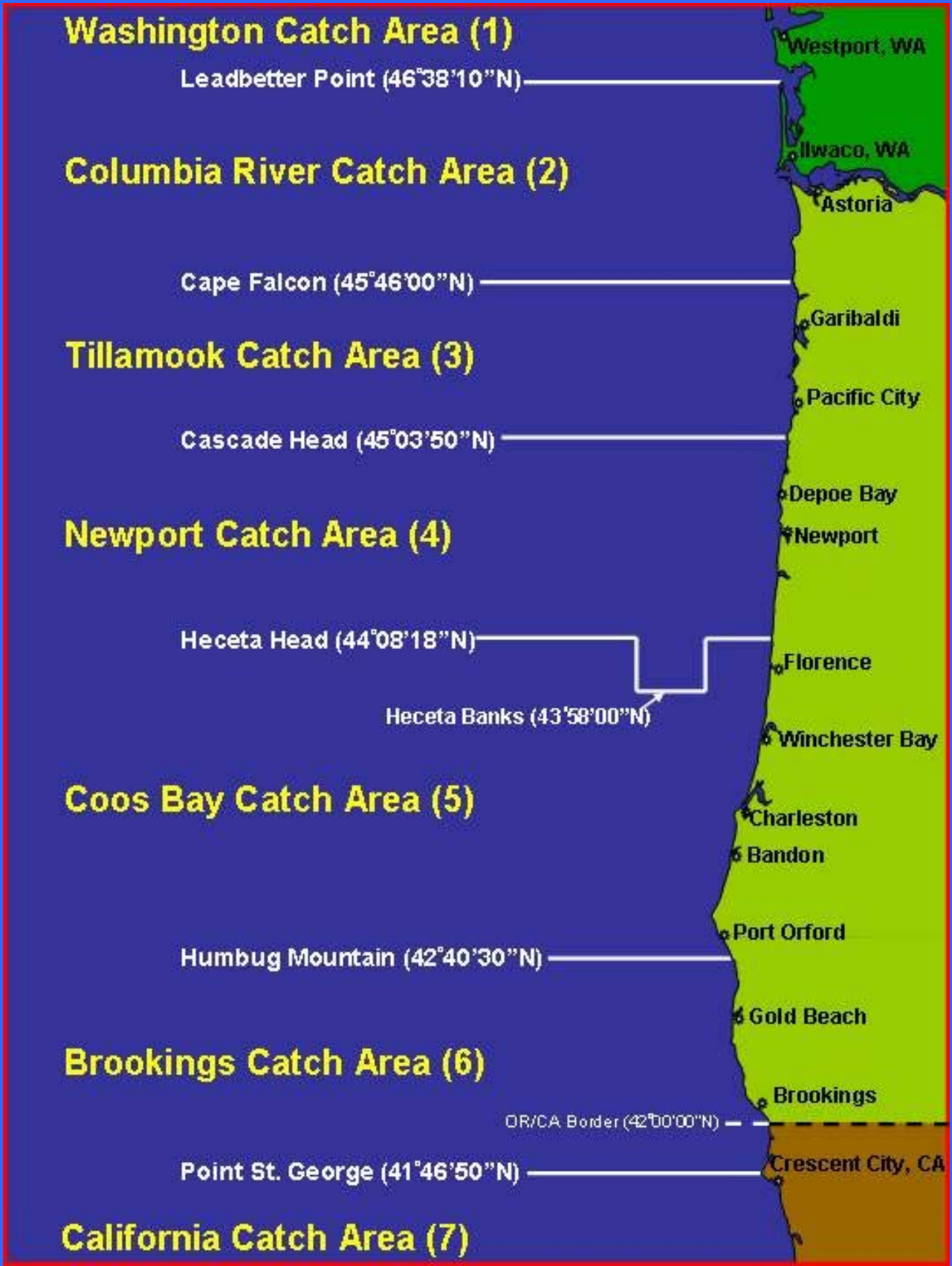


**Oregon Ocean Coho Salmon Mark Rate
In Half Month Increments by Port of Landing, 2003
(Note: Dashed lines indicate low sample size)**



September Coho Mark Rate Comparison: Troll and Sport, 2009



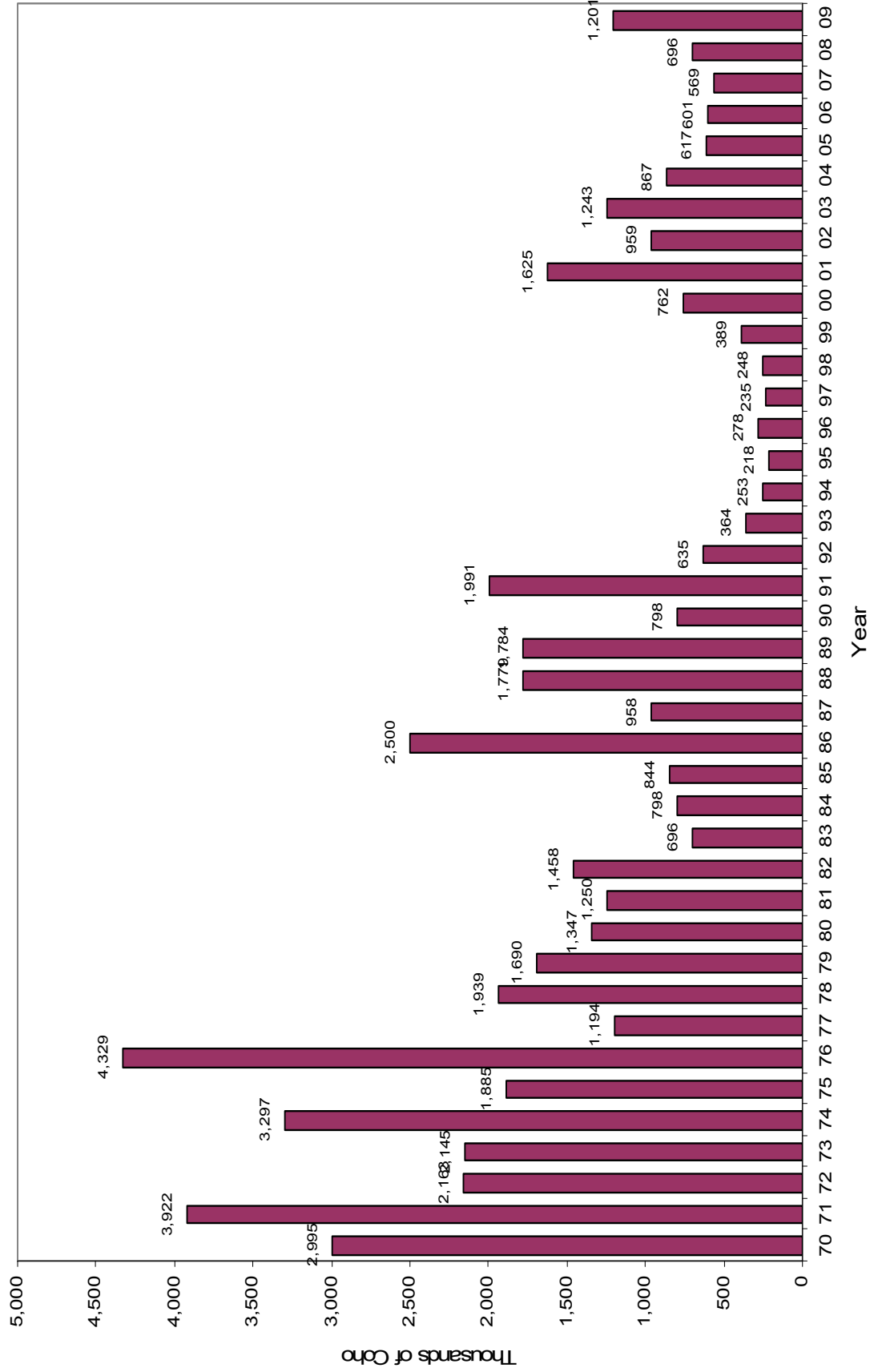


Oregon's Ocean Salmon Management Areas and Major Ports of Landing

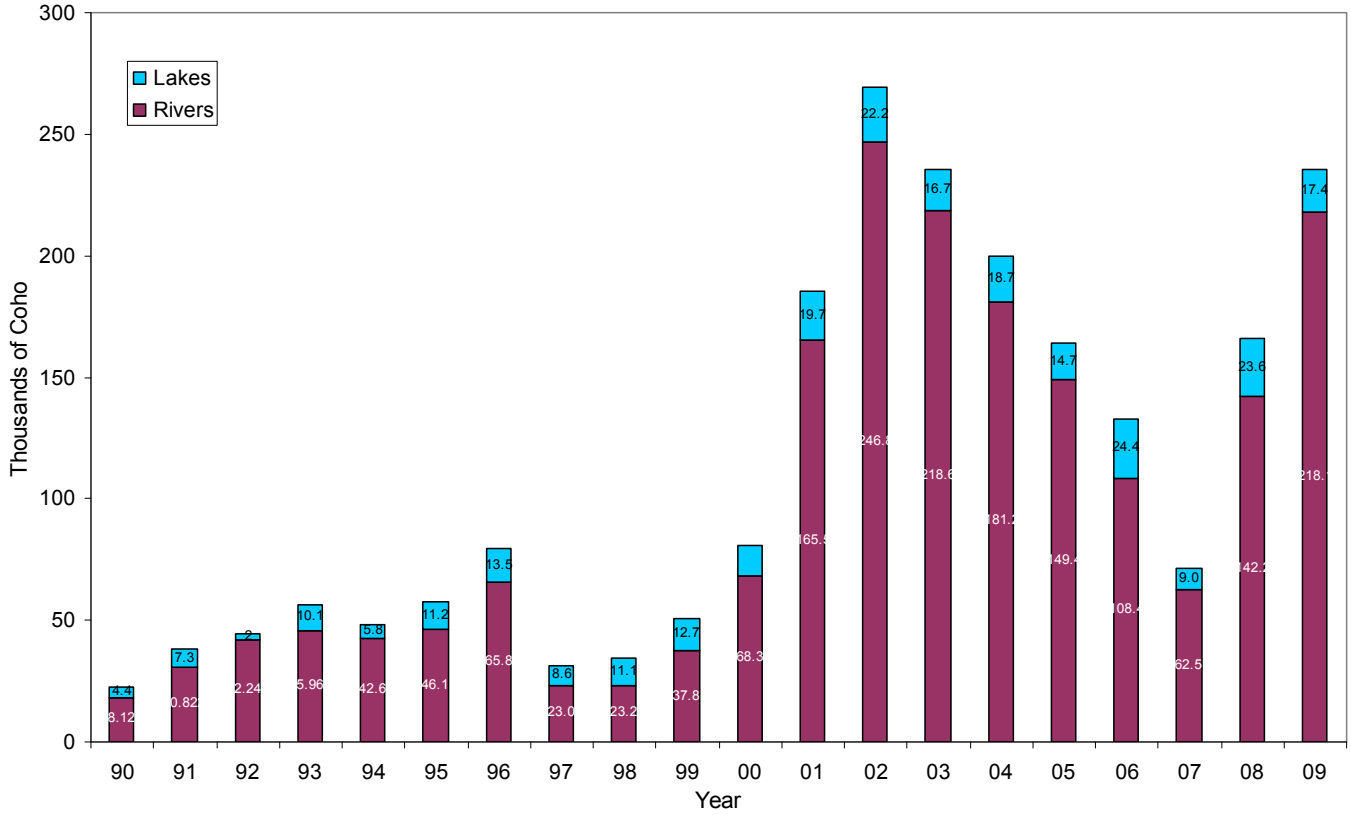
2010 Ocean Fishery Process Schedule

Feb. 25	Ocean Salmon Industry Group * 2010 Forecasts * 2010 Salmon season discussions	Newport, OR
Feb. 25	CDFG Public Meeting * 2010 Forecasts * 2010 Salmon season discussions	Santa Rosa, CA
Mar. 2	WDFW Public Meeting * 2010 Forecasts * 2010 Salmon season discussions	Olympia, WA
Mar. 7-11	Pacific Fishery Management Council * Adopt 2010 ocean salmon options for public review	Sacramento, CA Double Tree
Mar. 12	Oregon Fish and Wildlife Commission * Ocean and state waters salmon fishery options	Salem, OR ODFW HQ
Mar. 15	Columbia River Fisheries Discussion ODFW, WDFW, Public	Vancouver, WA
Mar. 16	North of Falcon I (Public Meeting) * Ocean/Columbia River salmon season negotiations	Olympia, WA
Mar. 29	PFMC Public Options Hearing * Public input on 2010 season options	Coos Bay, OR Red Lion
Mar. 29	PFMC Public Options Hearing * Public input on 2010 season options	Westport, WA
Mar. 30	PFMC Public Options Hearing * Public input on 2010 season options	Eureka, CA
Apr. 6	North of Falcon II (Public Meeting) * Continued negotiations	Lynnwood, WA
Apr. 11-14	Pacific Fishery Management Council * Adopt 2010 ocean salmon fishery regulations	Portland, OR Sheraton Ptld. Airport
Apr. 23	Oregon Fish and Wildlife Commission * Adopt state waters ocean salmon fishery regulations	Roseburg, OR

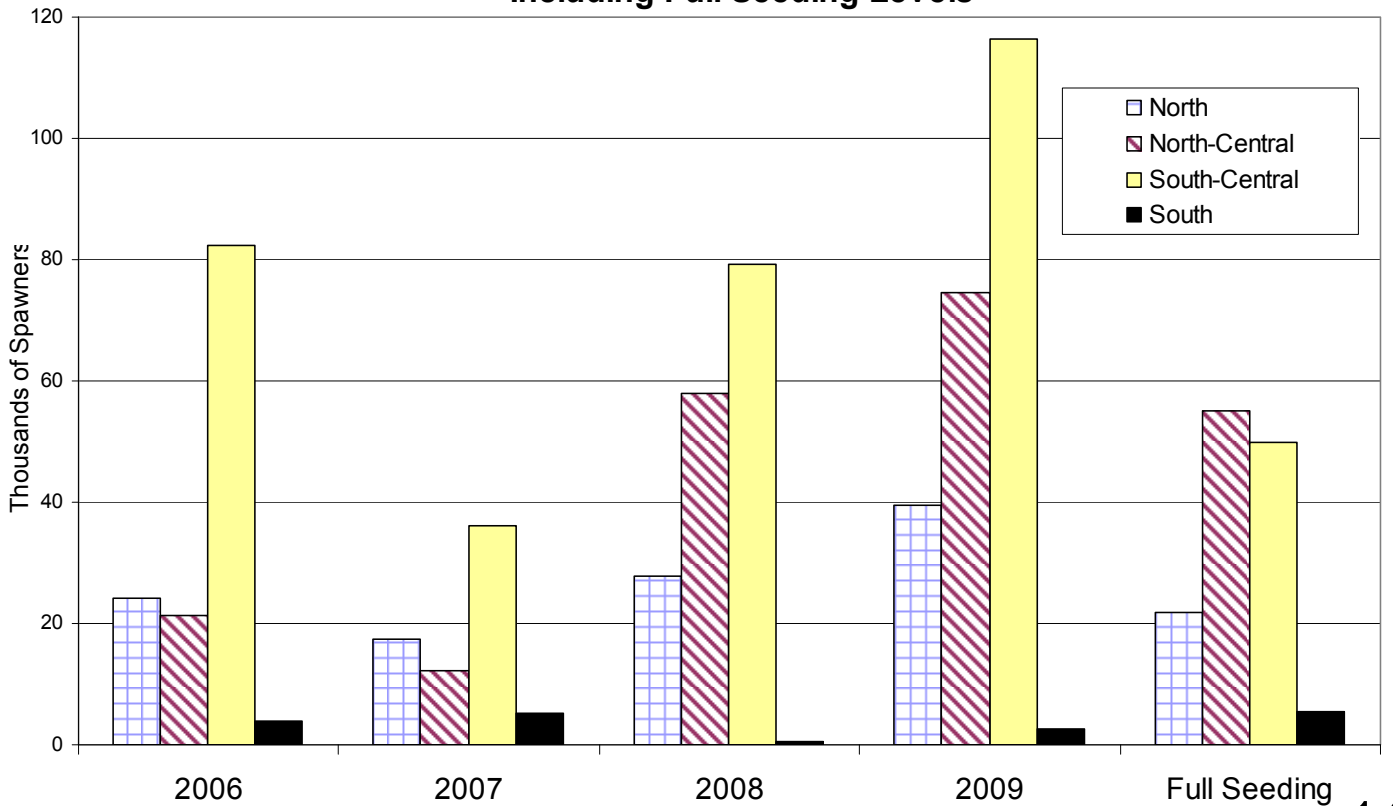
Oregon Production Area Hatchery Coho Abundance Estimates, 1970-2009



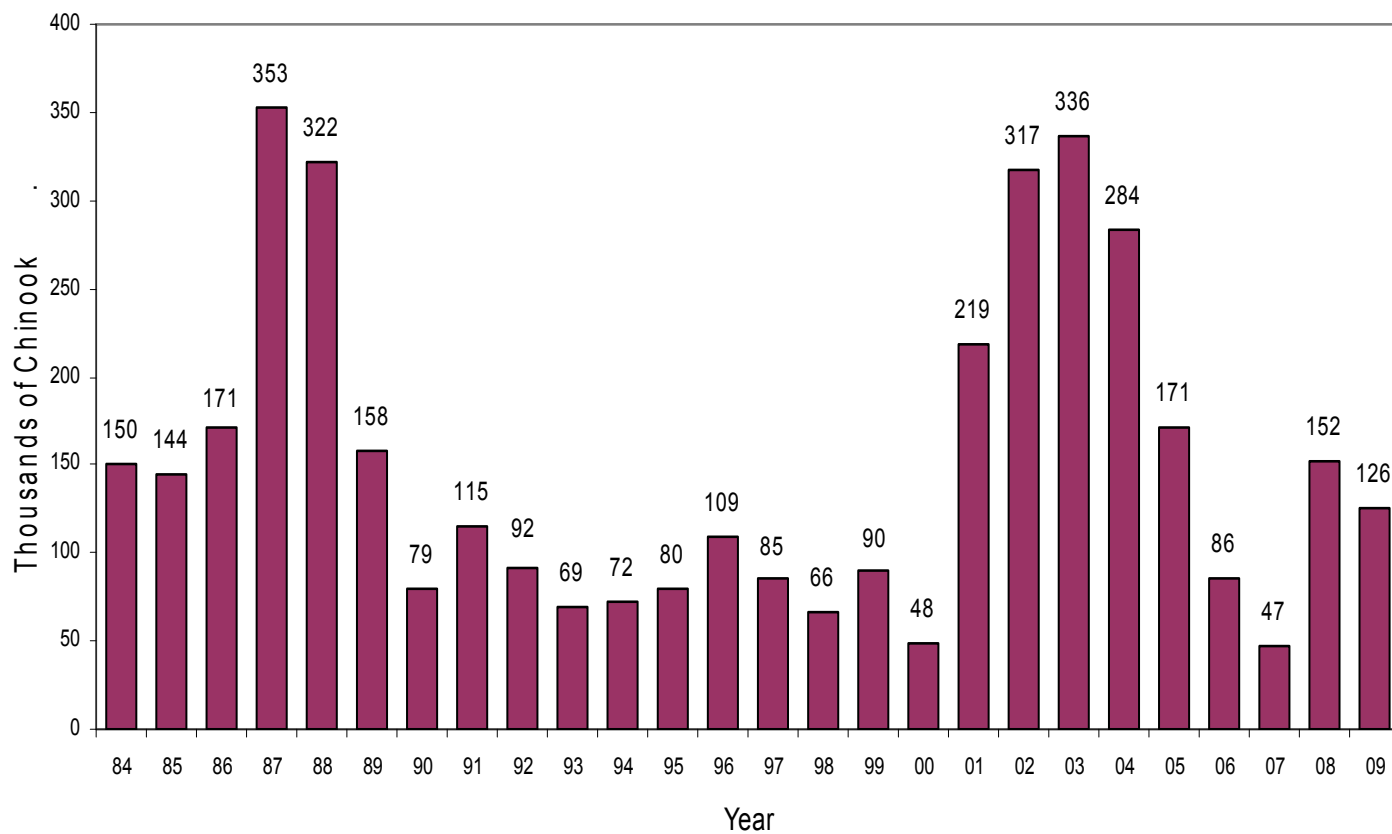
OCN Coho Adult Spawner Escapements for Lakes and Rivers, 1990-2009



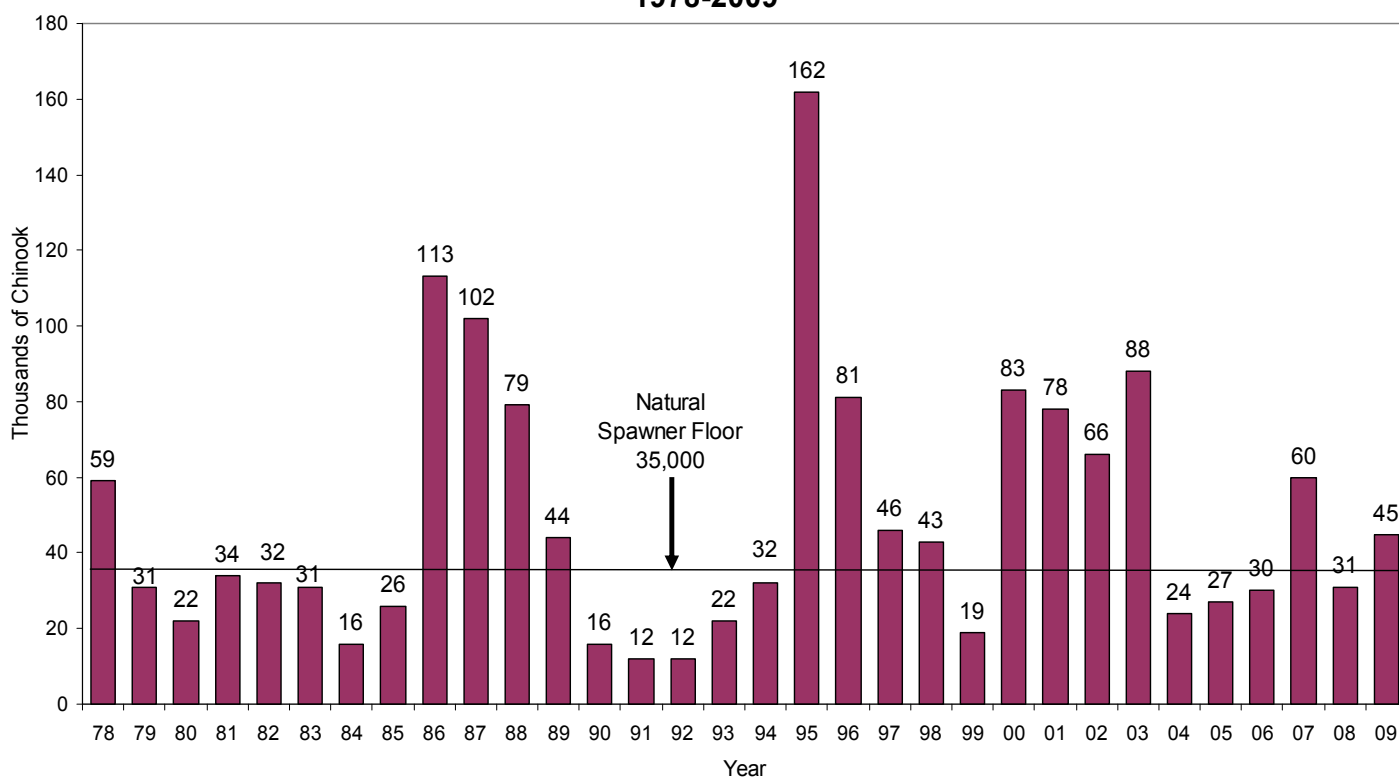
OCN Spawner Escapement by Sub-Aggregate, 2006-2009 Including Full Seeding Levels



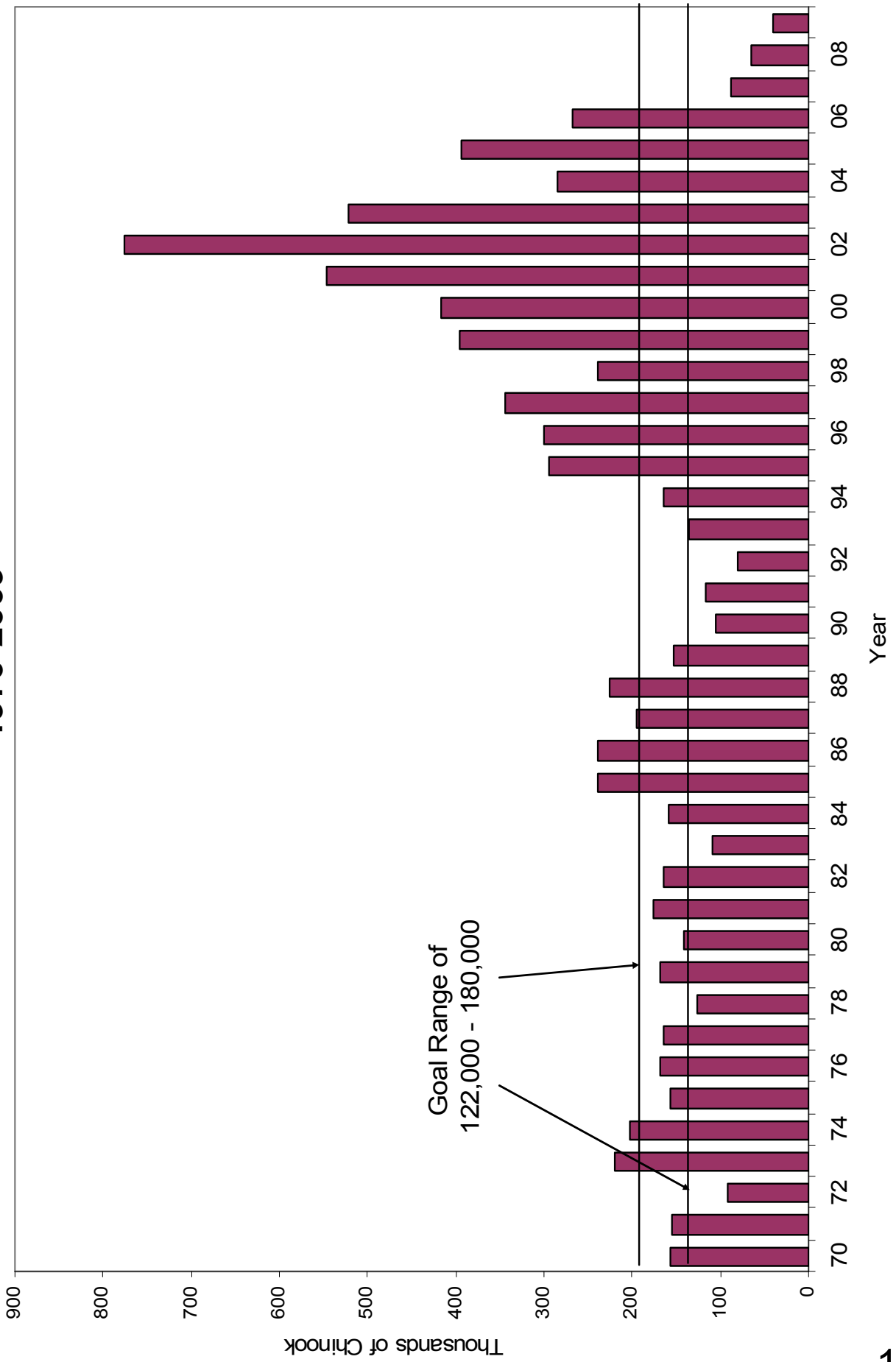
Columbia River Tule Chinook Ocean Escapement, 1984-2009



Klamath River Natural Fall Chinook Adult Spawner Escapement, 1978-2009



Sacramento River Adult Fall Chinook Escapements, 1970-2009

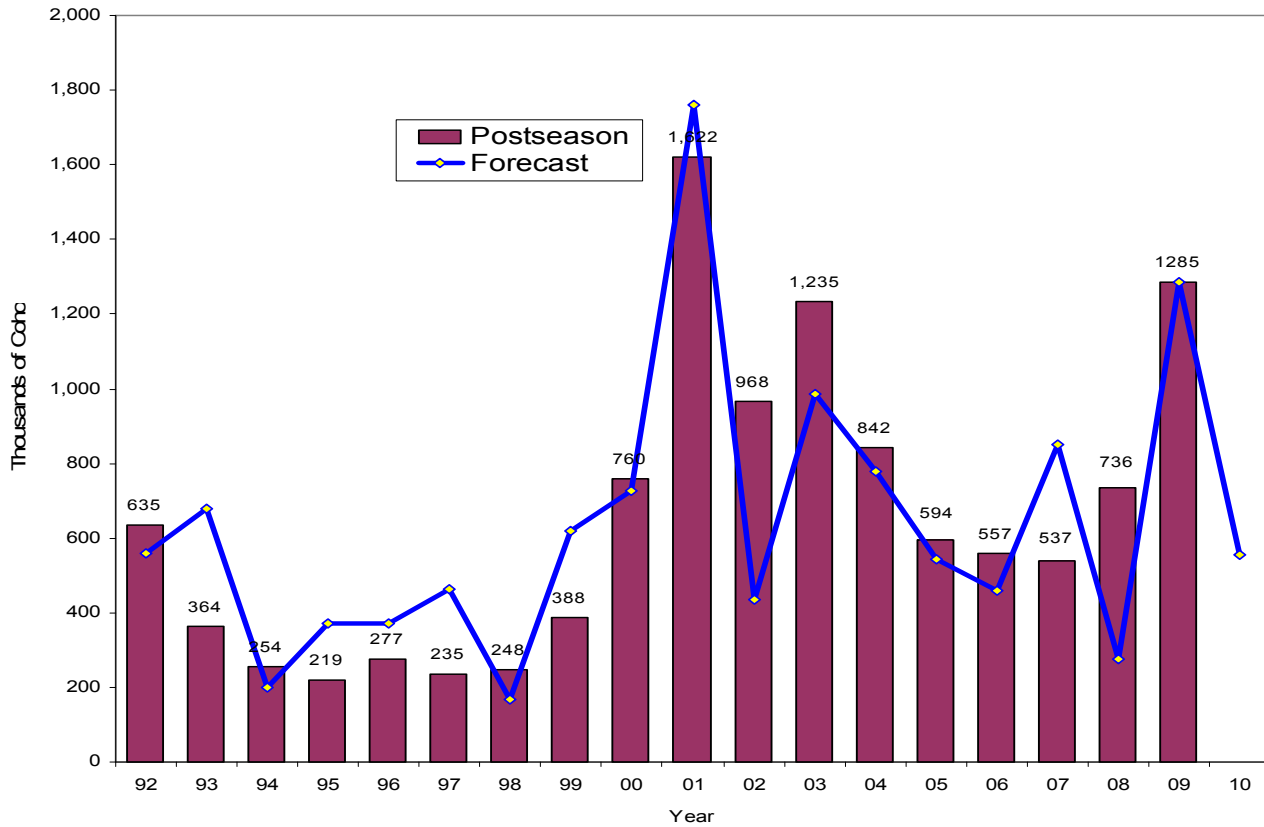


**2009 Ocean Abundance Estimates for Select Salmon Stocks,
Preseason vs. Postseason**

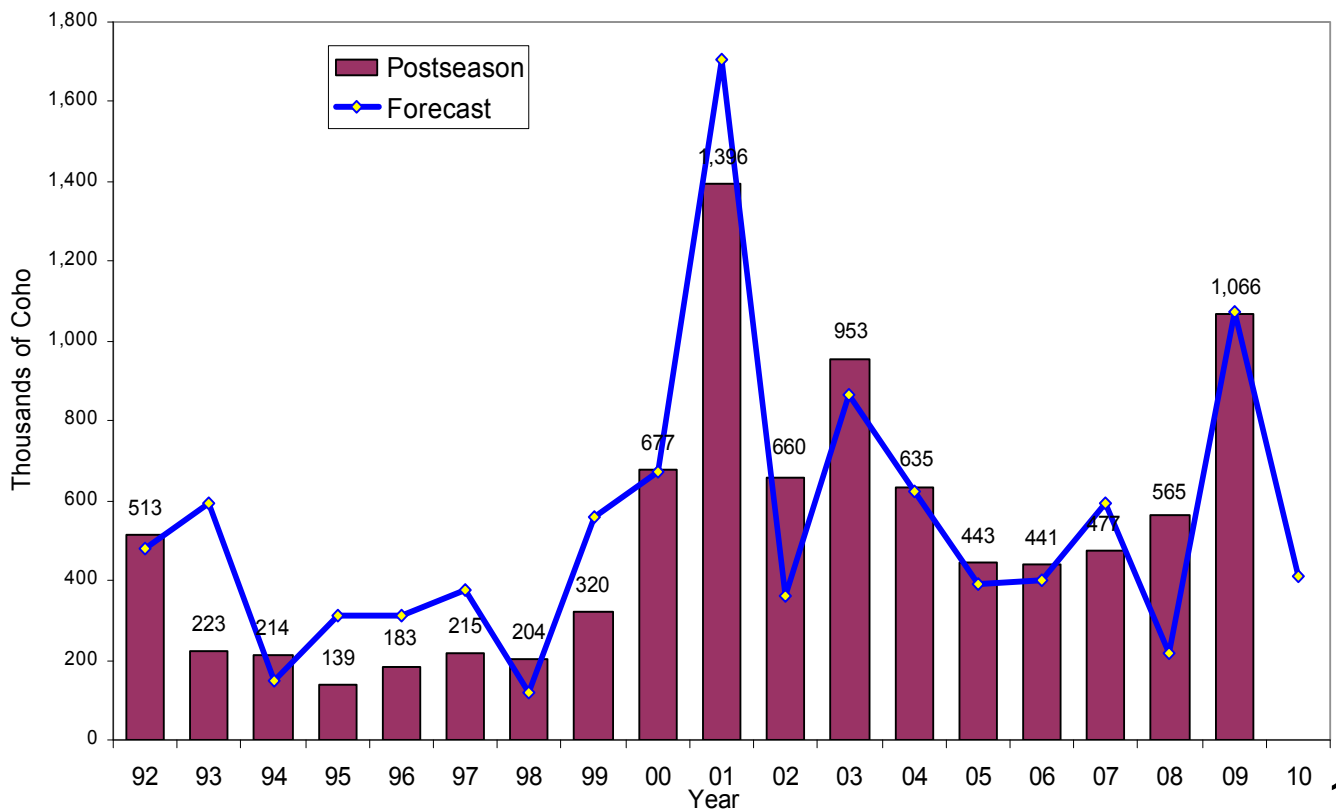
Coho	Preseason Expectations	Postseason	Pre/Post
Oregon Production Index (OPI)			
Hatchery	1,073,000	1,066,200	101%
OCN	211,600	257,000	82%
LCN	32,700	40,400	81%
Chinook			
Sacramento Index (Fall Chinook)	122,200	39,800	307%
Klamath	age 3 - 474,900	368,300	129%
	age 4 - 25,200	23,000	109%
Rogue Fall	Index - 17,300	NA	
Oregon Coast North Migrating	Poor Returns	Improving survey results and returns.	
Columbia River 1/			
Tules	148,100	125,700	118%
Fall Brights	259,900	212,000	123%
Lower River Wild	8,500	7,500	113%
Upriver Spring	298,900	169,300	177%
Willamette Spring	37,600	39,400	95%

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

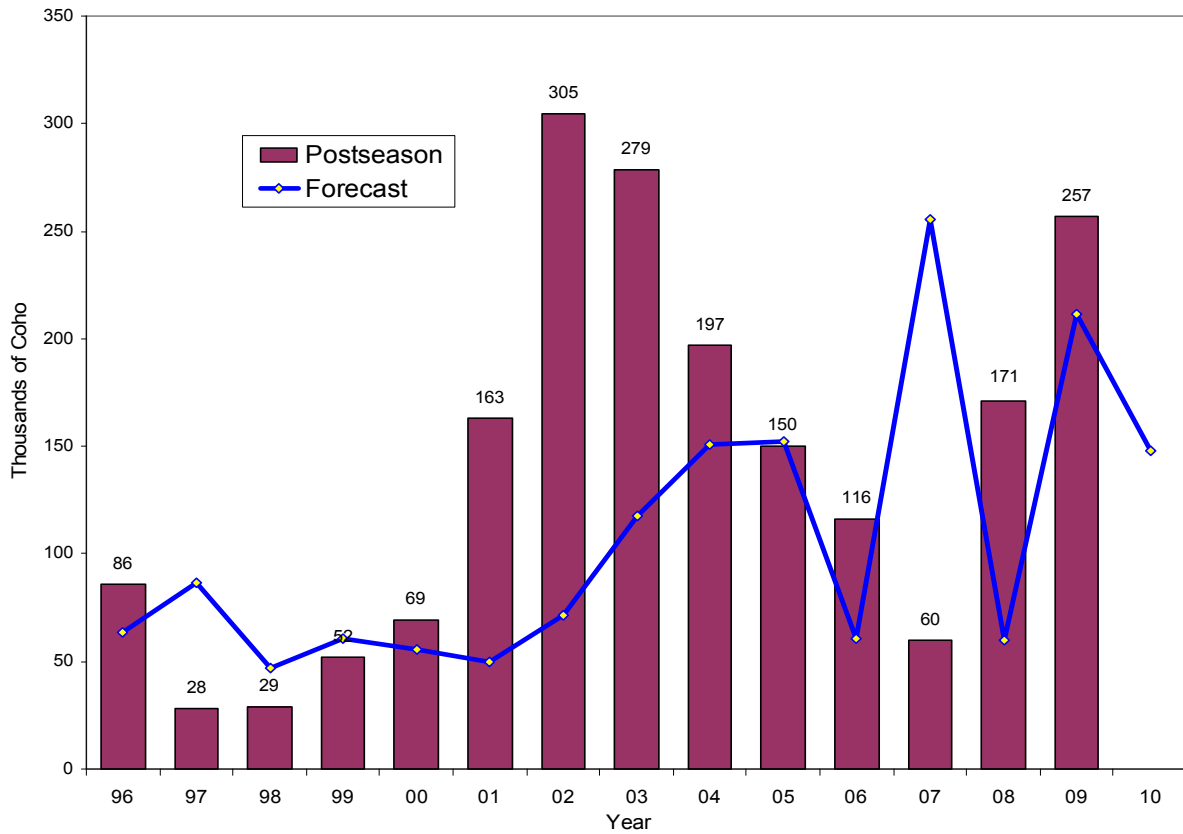
OPI Coho Abundance Forecast for 2010 with Comparison to
Postseason Estimates and **Preseason** Forecasts



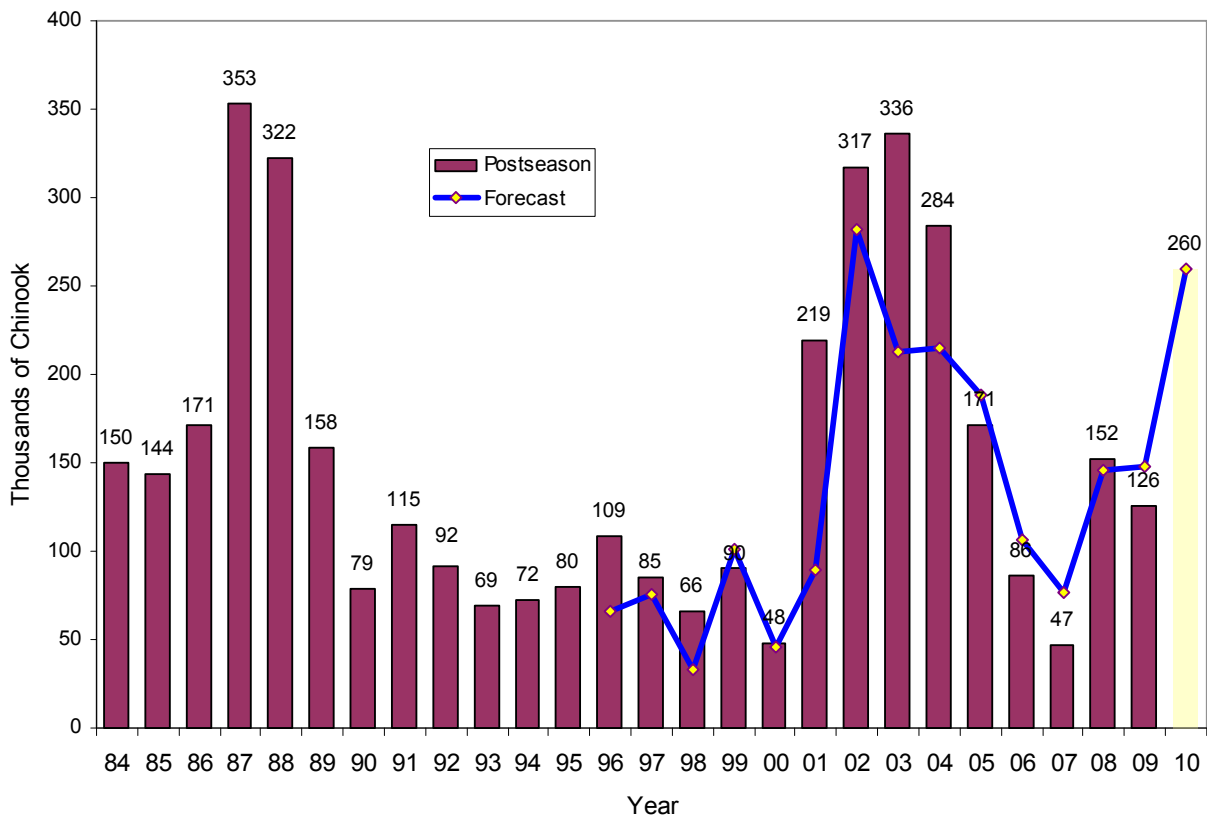
OPI Hatchery Coho Abundance Forecast for 2010
with Comparison to
Postseason Estimates and **Preseason** Forecasts



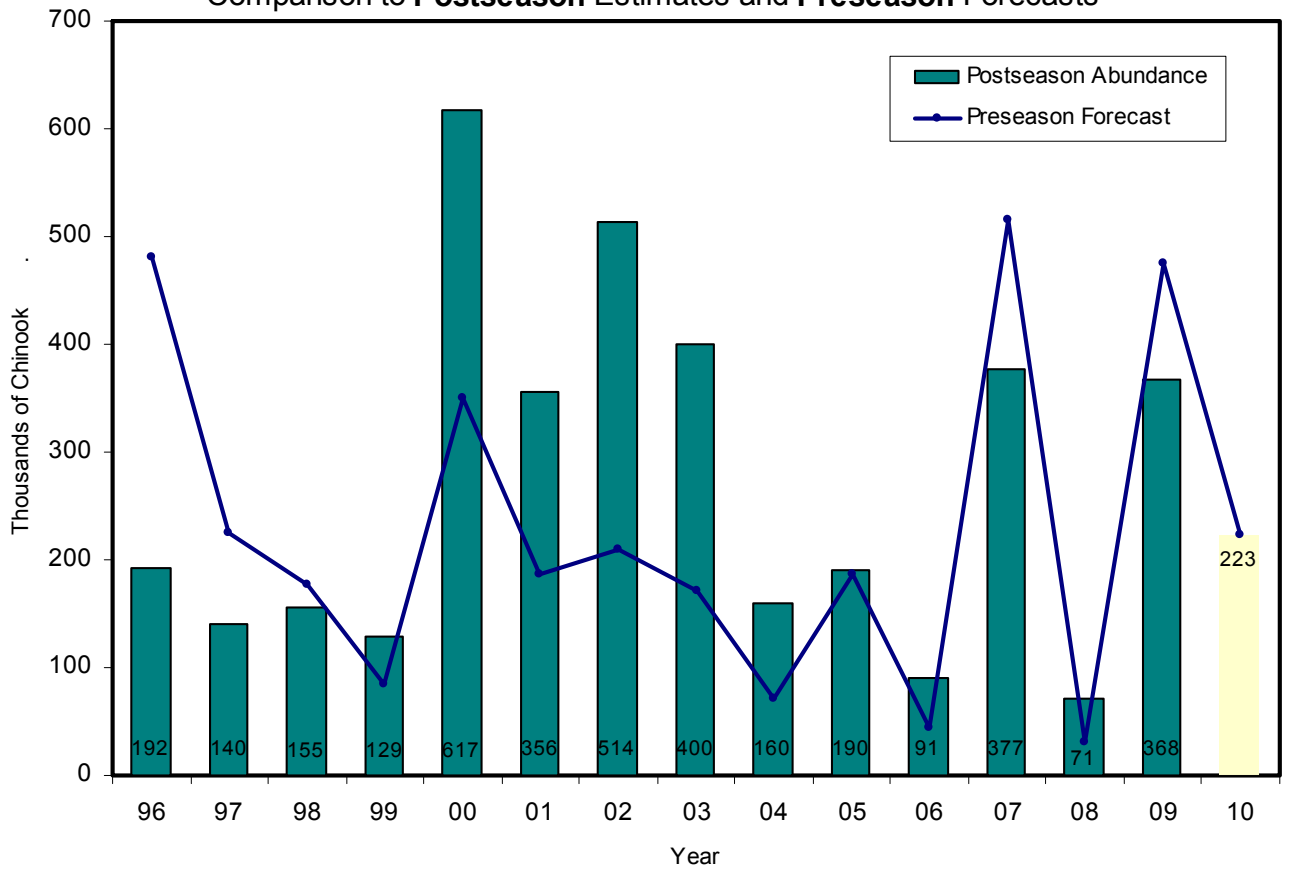
OCN Coho Abundance Forecast for 2010 with Comparison to **Postseason** Estimates and **Preseason** Forecasts



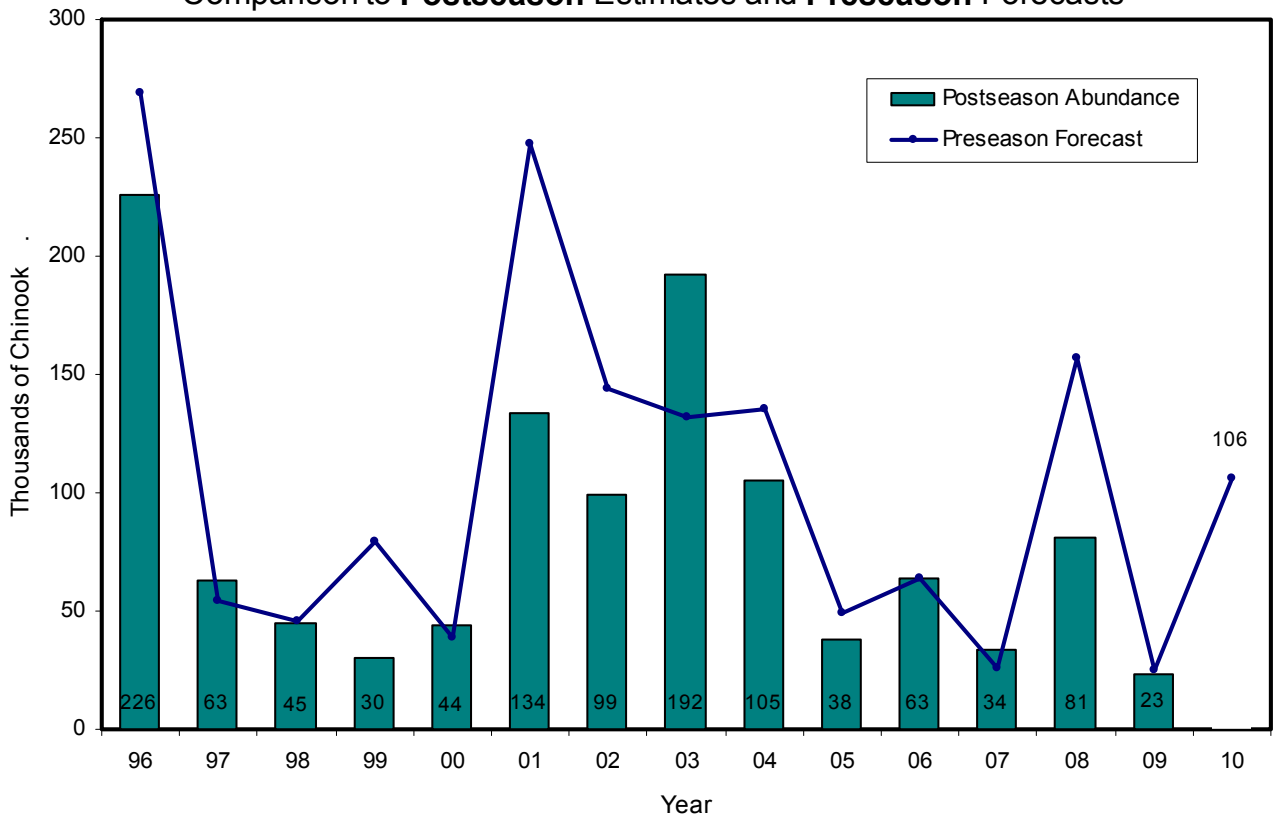
Columbia River Tule Chinook Ocean Escapement Forecast for 2010 with Comparison to **Postseason** Estimates and **Preseason** Forecasts



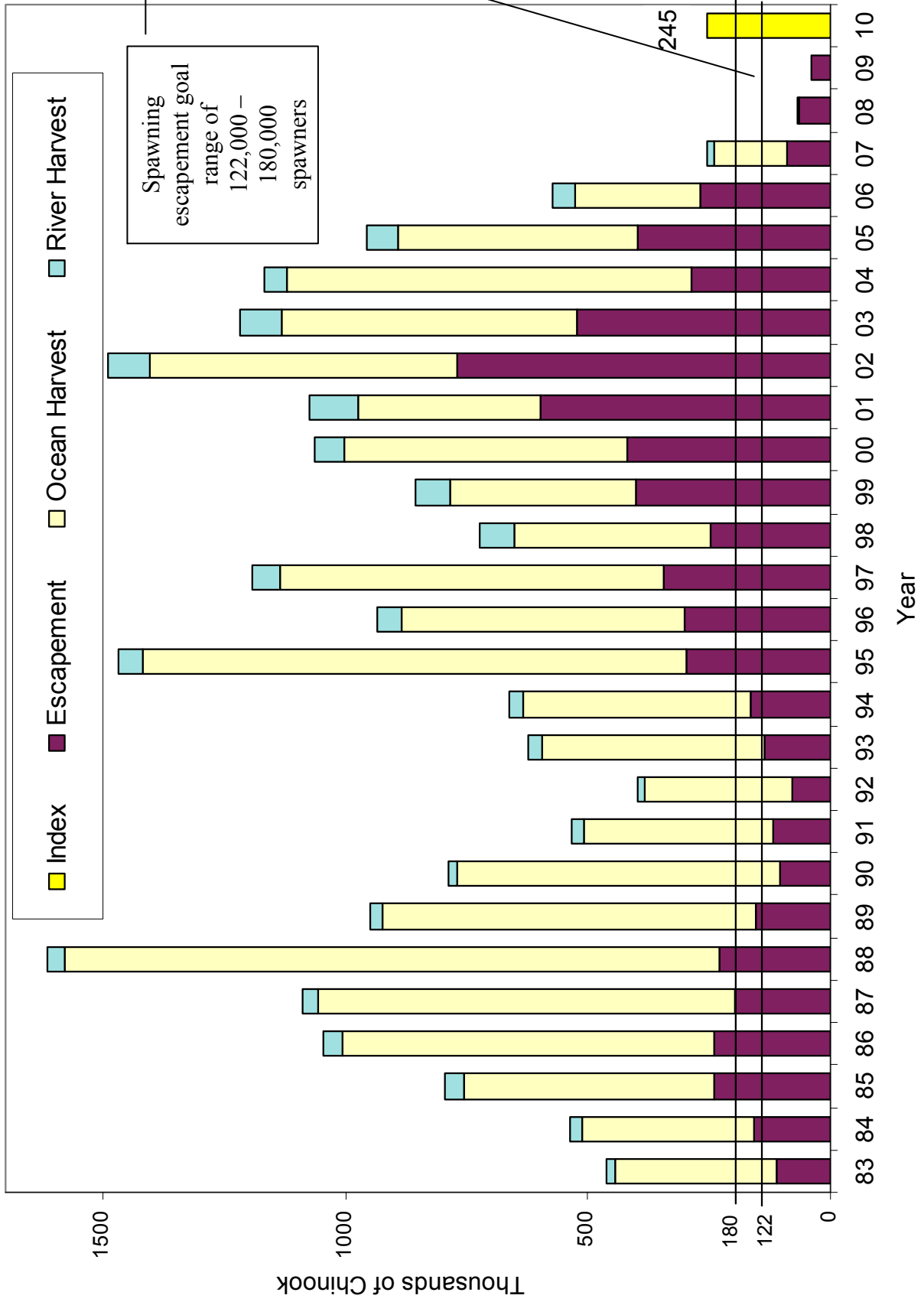
Klamath River Fall Chinook Age-3 Abundance Forecast for 2010 with Comparison to **Postseason** Estimates and **Preseason** Forecasts



Klamath River Fall Chinook Age-4 Abundance Forecast for 2010 with Comparison to **Postseason** Estimates and **Preseason** Forecasts



Sacramento River Adult Fall Chinook Escapements and Harvest, 1983-2009; and 2010 Index



Preliminary 2010 Ocean Abundance Forecasts for Select Salmon Stocks

Coho	Preseason Expectations	Comments
Oregon Production Index (OPI)		
Hatchery	408,000	38% of 2009 Forecast
OCN	148,000	70% of 2009 Forecast
LCN	15,100	46% of 2009 Forecast

Chinook

Sacramento Index (Fall Chinook)	245,483	2 times higher than 2009 Forecast
Klamath	age 3 -223,400 age 4 - 106,300	47% lower than 2009 Forecast 4 times higher than 2009 Forecast
Rogue Fall	Index - 17,300	62% higher than 2009 Forecast
Oregon Coast North Migrating	Fair to Good Returns	Increasing spawner counts suggest improving trends
Columbia River 1/		
Tules	259,600	2 times higher than 2009 Forecast
Fall Brights	310,800	20% higher than 2009 Forecast
Lower River Wild	9,700	14% higher than 2009 Forecast
Upriver Spring	470,000	57% higher than 2009 Forecast
Willamette Spring	62,700	67% higher than 2009 Forecast

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

Oregon Coastal Natural Coho Spawning Escapement Estimates, 1995-2009.

Component and Basin ^{a/}	Miles	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	1995-2009 Avg.
NORTHERN																	
Nehalem	386	1,463	1,057	1,173	1,190	3,713	14,285	22,310	20,903	33,059	21,479	10,451	11,614	14,033	15,690	14,676	12,473
Tillamook	249	289	661	388	271	2,175	1,983	1,883	15,715	14,584	2,290	1,995	8,774	2,295	4,897	14,298	4,833
Nestucca	167	1,811	519	271	169	2,201	1,171	3,940	13,003	8,929	6,152	686	1,876	394	5,444	4,996	3,437
Ind. Tribs.	97	319	1,043	314	946	775	474	5,247	2,912	3,068	3,142	3,334	1,871	807	1,645	1,645	1,836
TOTAL	899	3,882	3,280	2,146	2,576	8,864	17,913	33,451	52,533	59,640	33,063	16,466	24,135	17,529	27,676	39,595	22,850
NORTH CENTRAL																	
Siletz	118	607	763	336	394	706	3,553	1,437	2,252	9,736	6,399	14,567	5,205	2,197	14,519	22,066	5,649
Yaquina	109	5,668	5,127	384	365	2,588	647	3,039	23,981	13,254	4,989	3,441	4,247	3,158	8,710	10,787	6,026
Alsea	221	681	1,637	680	213	2,050	2,465	3,339	6,170	8,957	6,005	13,907	1,972	2,146	11,431	13,931	5,039
Siuslaw	514	6,089	7,625	668	1,089	2,724	6,767	11,024	57,129	29,257	8,443	16,907	5,869	3,552	17,042	21,679	13,058
Ind. Tribs.	201	560	2,975	774	1,222	3,691	829	6,400	14,434	7,664	14,558	2,585	3,931	1,217	6,170	6,110	4,875
TOTAL	1,163	13,605	18,127	2,842	3,283	11,759	14,261	25,239	103,966	68,868	40,394	51,407	21,224	12,270	57,872	74,573	34,646
SOUTH CENTRAL																	
Umpqua	1,083	12,809	10,824	2,960	9,153	7,685	12,233	35,702	37,591	29,607	31,346	42,676	18,154	11,783	32,306	52,678	23,167
Coos	208	10,351	12,128	1,127	3,167	4,945	5,386	43,301	35,688	29,559	24,116	17,048	11,266	1,329	13,312	25,014	15,849
Coquille	331	2,116	16,169	5,720	2,466	3,001	6,130	13,310	8,610	23,909	22,276	11,806	28,577	13,968	9,874	21,235	12,611
Coastal Lakes	-	11,216	13,493	8,603	11,107	13,442	12,747	19,669	22,162	16,688	18,687	14,724	24,378	8,955	23,608	17,356	15,789
TOTAL	1,622	36,492	52,614	18,410	25,893	29,073	36,496	111,982	104,051	99,763	96,425	86,254	82,375	36,035	79,100	116,283	67,416
SOUTH																	
Rogue	-	3,359	5,241	8,213	2,257	1,389	10,987	12,579	8,403	6,754	24,486	9,957	3,937	5,242	414	2,566	7,052
COASTWIDE	-	57,338	79,262	31,611	34,009	51,085	79,648	183,251	268,953	235,025	194,368	164,084	131,671	71,076	165,062	233,017	131,964

a/ The sum of the individual basins may not equal the aggregate totals due to the independent estimates at different geographic scales.

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 ^{1/}	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 ^{2/} 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.