Ocean Salmon Industry Group Preseason Planning Meeting

for

Ocean Recreational and Commercial Troll Salmon Fisheries off Oregon, 2009

BRIEFING DOCUMENTS:

2008 Season Summary

2009 Management Process Schedule

2008 Escapement Estimates

2009 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 26, 2009

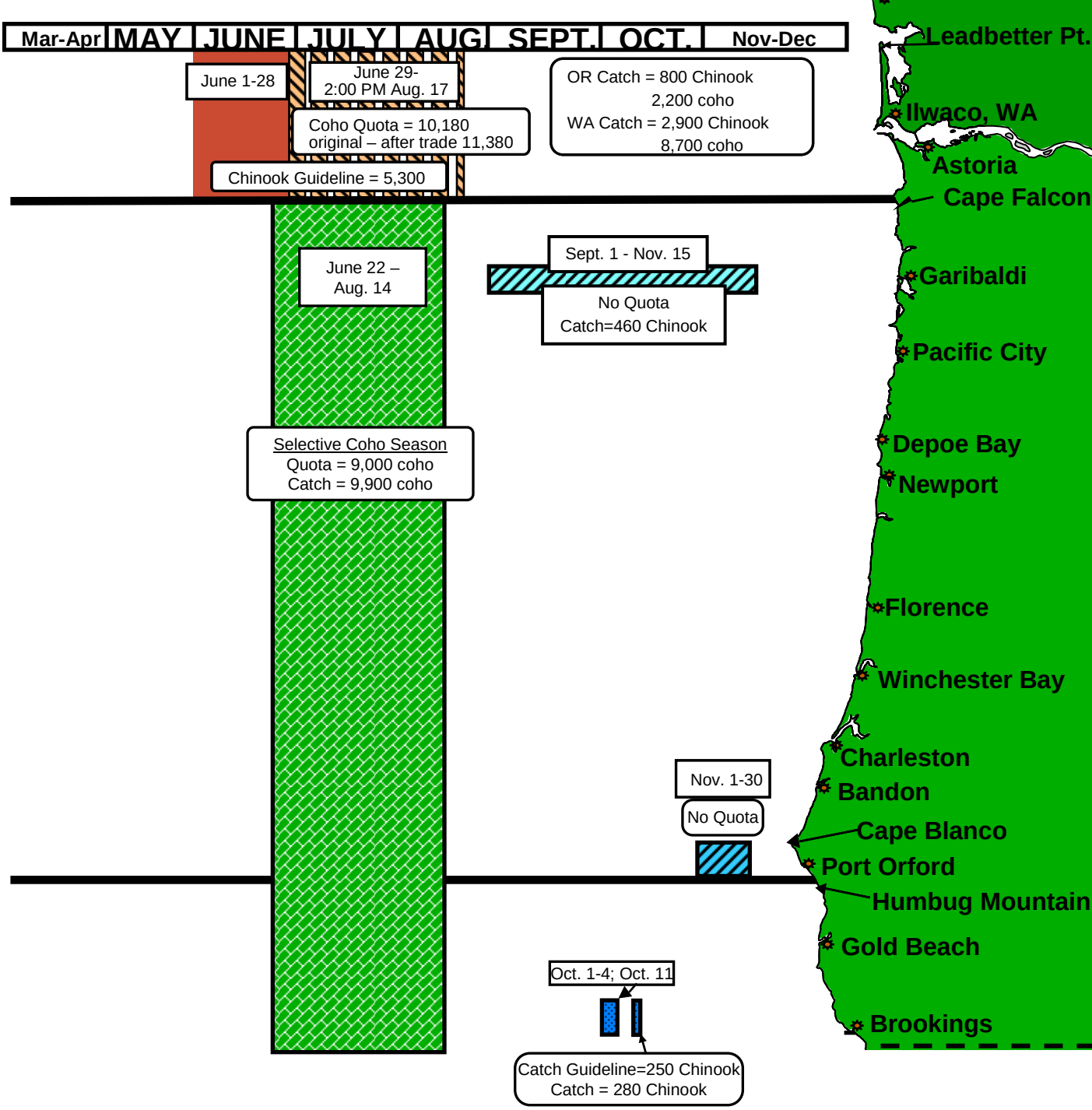
Ocean Salmon Effort and Landing Estimates for 2008 with Comparison to 2007, 2006, and 1979-1990 Average.

Recreational Ocean Salmon Fisheries

	Effort (Angler Trips)				Chinook (Number of Fish)				Coho (Number of Fish)			
Catch Area	**2008**	**2007**	**2006**	**1979-90**	**2008**	**2007**	**2006**	**1979-90**	**2008**	**2007**	**2006**	**1979-90**
Columbia River	3,654	12,386	8,242	25,789	817	594	509	4,255	2,191	18,397	5,411	33,755
Tillamook	9,121	21,028	15,909	31,278	468	1,430	3,405	1,584	1,241	12,563	1,358	21,805
Newport	5,449	20,765	10,370	67,866	3	453	672	2,930	2,791	15,388	4,554	62,362
Coos Bay	7,399	22,973	17,168	68,092	10	1,414	5,210	7,610	3,728	12,736	3,573	66,875
Brookings	4,795	11,112	10,634	57,676	280	3,050	1,792	15,544	2,134	1,569	681	17,019
Oregon Total	30,418	88,264	62,323	250,701	1,578	6,941	11,588	31,923	12,085	60,653	15,577	201,816

Commercial Ocean Troll Salmon Fisheries

	Effort (Boat Days)				Chinook (Number of Fish)				Coho (Number of Fish)			
Catch Area	**2008**	**2007**	**2006**	**1979-90**	**2008**	**2007**	**2006**	**1979-90**	**2008**	**2007**	**2006**	**1979-90**
Columbia River	645	325	981	948	5,388	1,443	10,489	4,754	378	11,553	1,414	20,643
Tillamook	49	703	749	5,438	76	4,178	2,756	14,570	-	1,279	-	83,654
Newport	-	1,115	2,240	7,798	-	4,064	18,895	53,568	-	1,872	-	112,064
Coos Bay	48	2,626	375	15,569	208	21,705	2,087	144,320	-	2,391	-	124,716
Brookings	51	464	183	3,582	236	4,097	738	45,449	-	-	-	18,804
Oregon Total	793	5,233	4,528	33,335	5,908	35,487	34,965	262,661	378	17,095	1,414	359,881



Chinook salmon only, 1 per day from June 1-20 and 2 per day from June 21-28.

All salmon, 2 per day. All coho must have a healed adipose fin clip. Open Sunday-Thursday of each week.

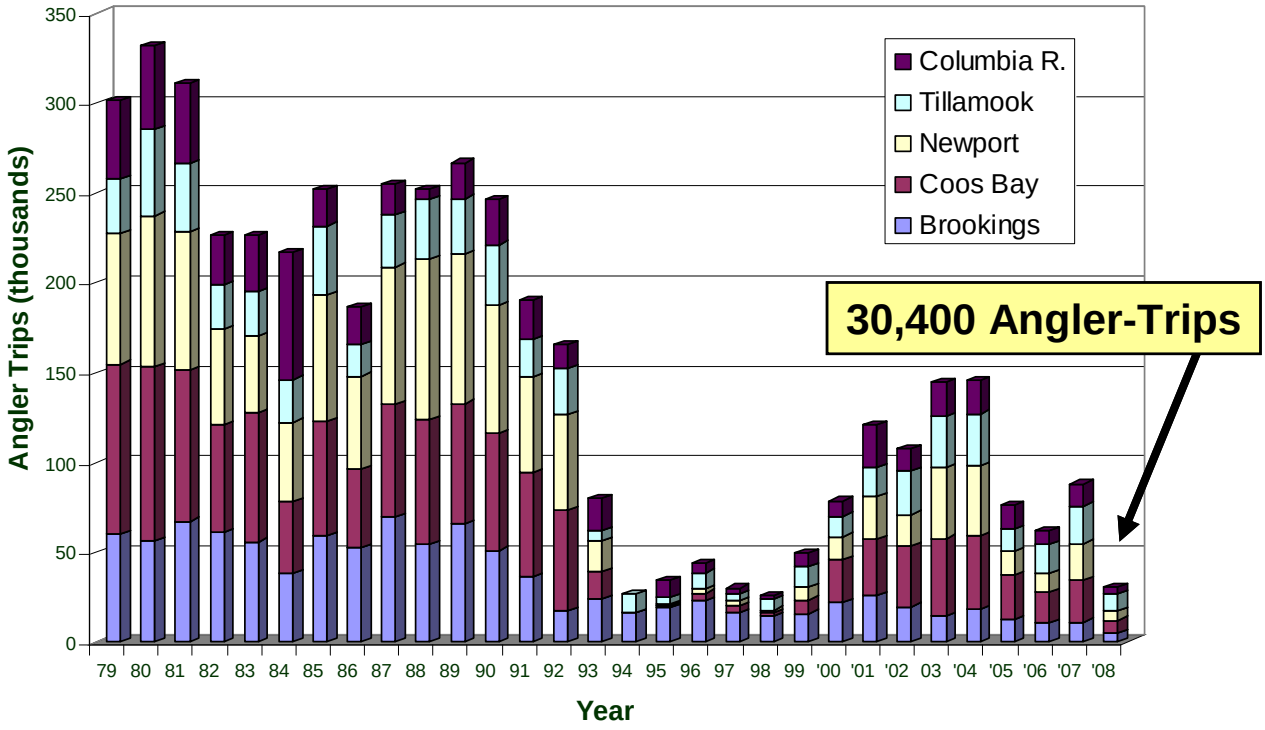
All salmon except Chinook, 2 per day. All coho must have a healed adipose fin clip.

Chinook salmon only, 2 per day but no more than one may be non-finclipped. Open in state waters (0-3 miles).

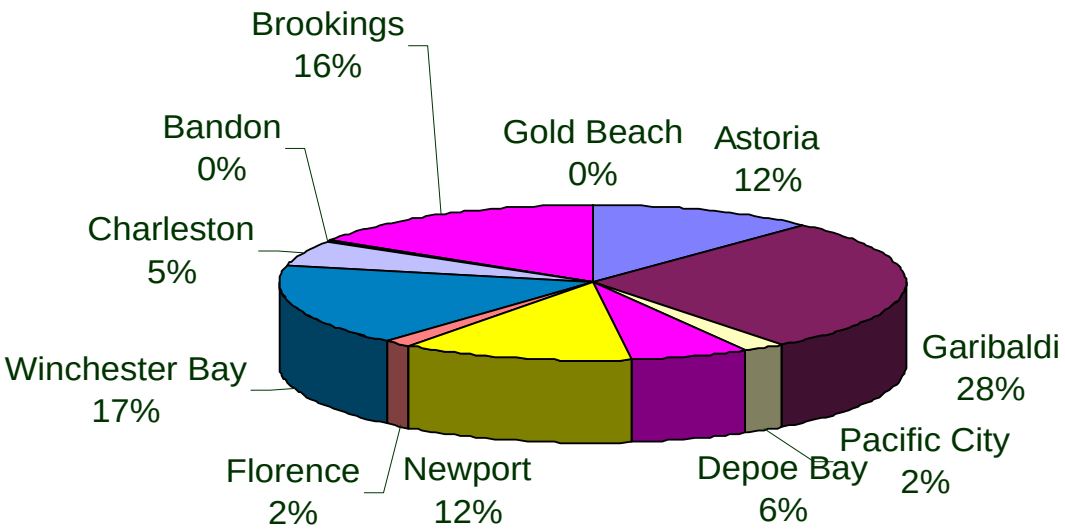
Chinook salmon only, 1 per day, not more than 4 per season. Open in state waters (0-3 miles).

Ocean recreational salmon seasons, quotas, and landings off Oregon, 2008

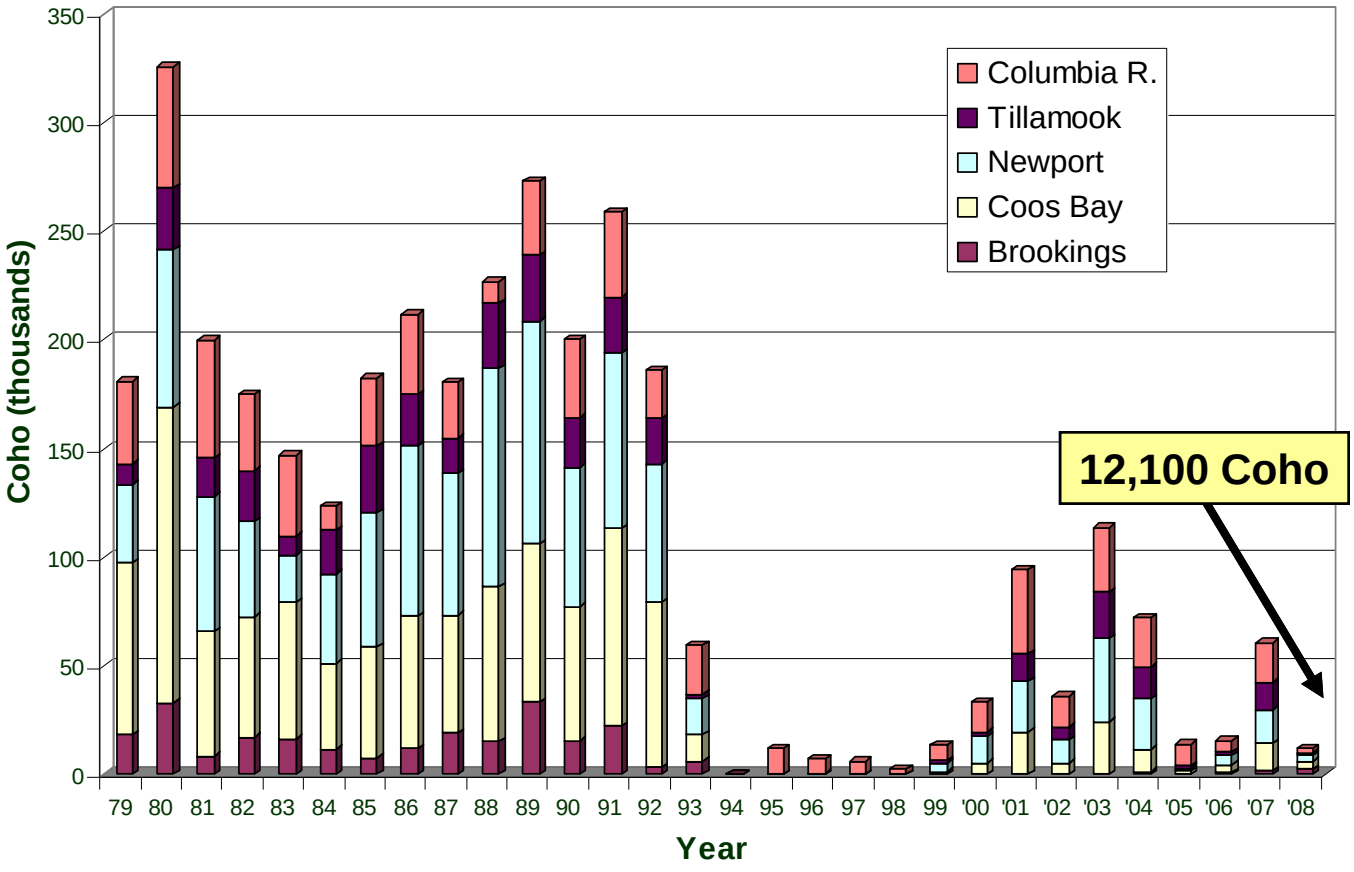
Ocean Sport Salmon Effort by Area



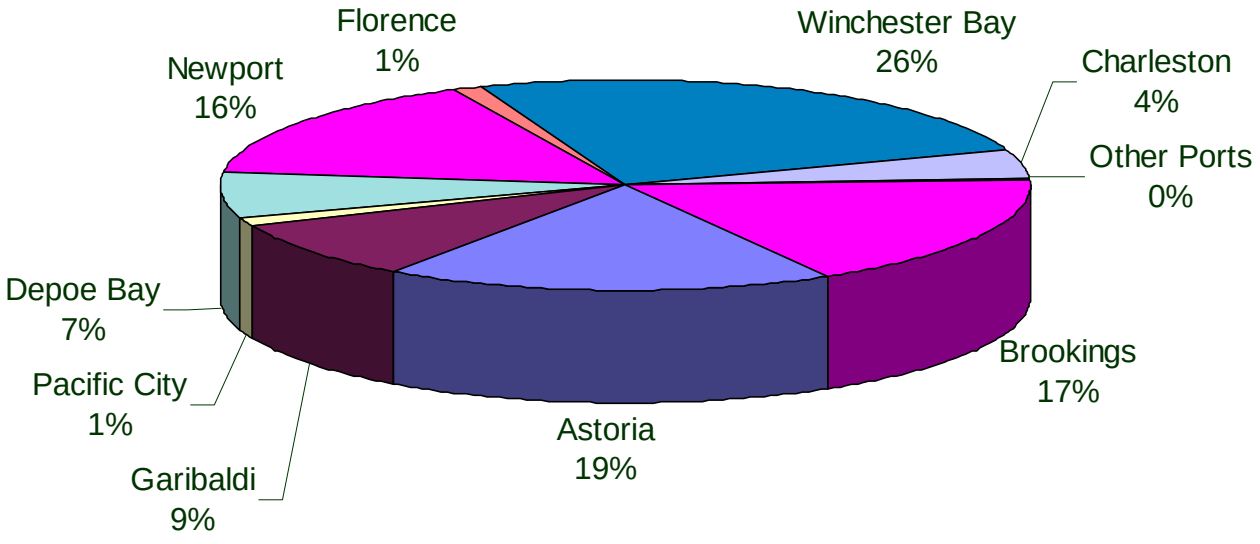
Sport Effort by Port, 2008



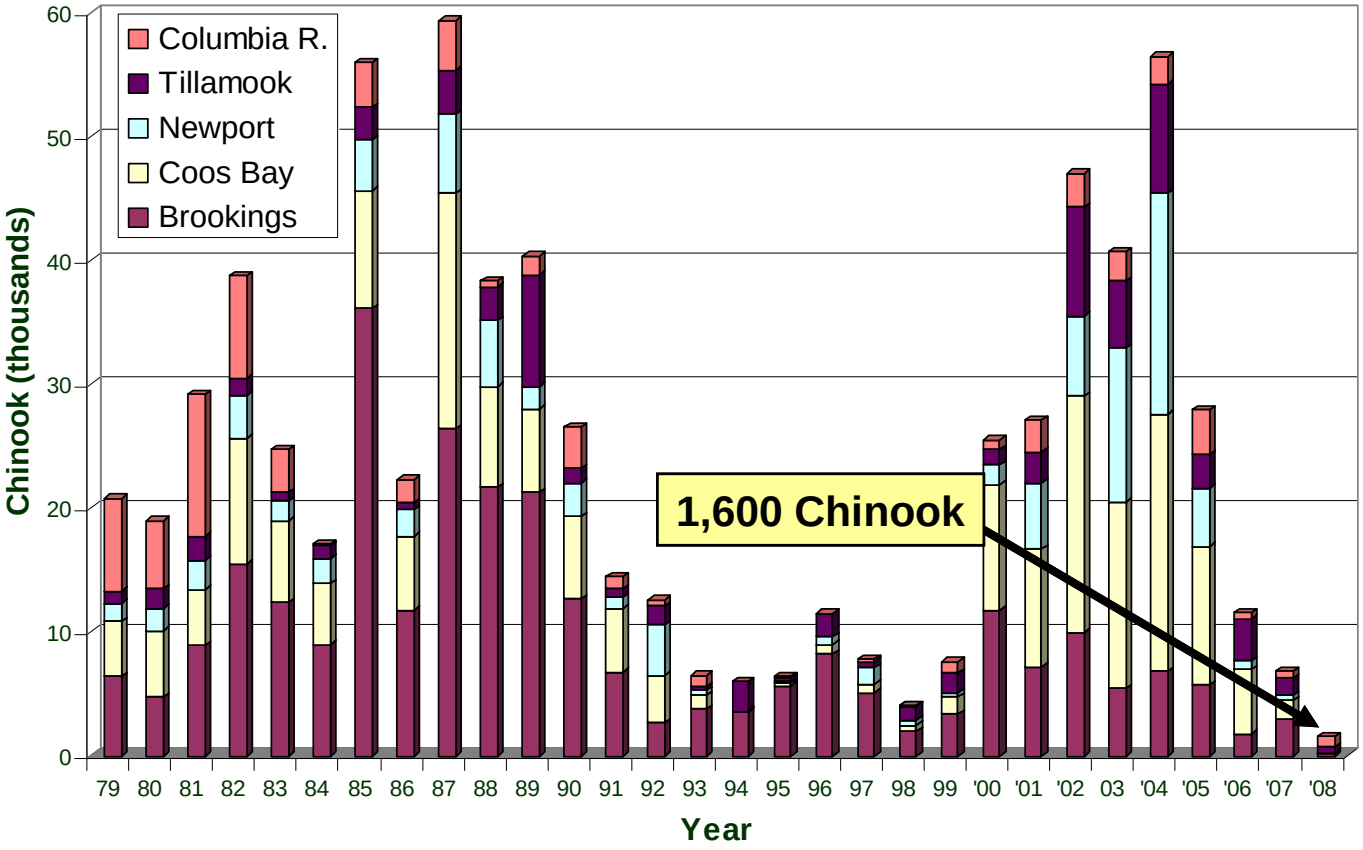
Ocean Sport Coho Landings by Area



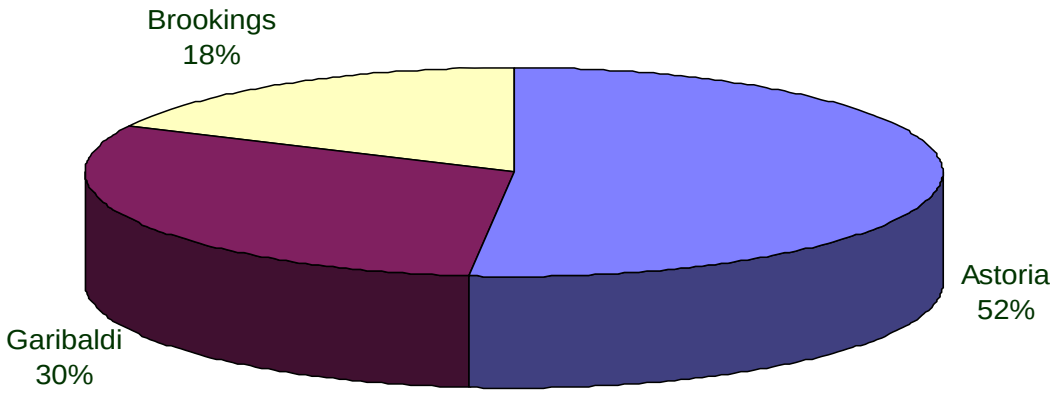
Sport Coho Landings by Port, 2008



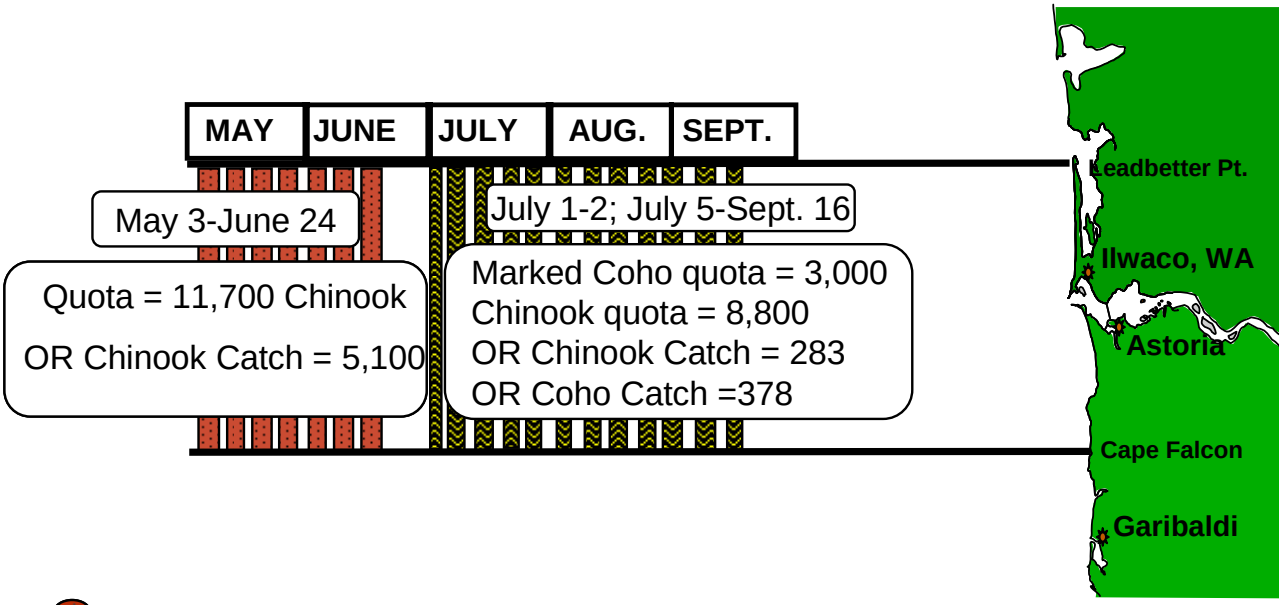
Ocean Sport Chinook Landings by Area



Sport Chinook Landings by Port, 2008



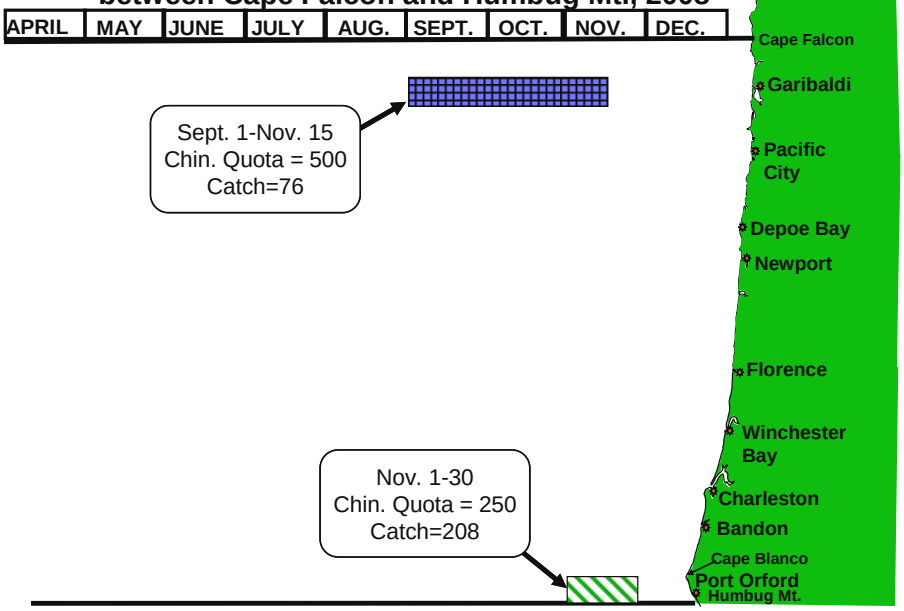
Oregon commercial ocean troll salmon seasons
North of Cape Falcon, 2008



- **All salmon except coho. Open Sat through Tues. Open period limits of 50 Chinook from May 3-June 17, and 35 Chinook from June 21-24. Landings restricted to within the open area and Garibaldi only.**

- **All salmon. All retained coho must have a healed adipose fin clip. Open July 1-2 and open periods of Sat through Tues from July 5-Sept. 16. Open period limits of 35 Chinook and 25 coho from July 1-Aug. 1, and 50 Chinook and 25 coho from Aug. 2-Sept. 16. Landings restricted to within the open area and Garibaldi only. Gear limited to 6" or larger artificial plugs from July 1-Aug. 12, then all gear from Aug. 16-Sept. 16.**

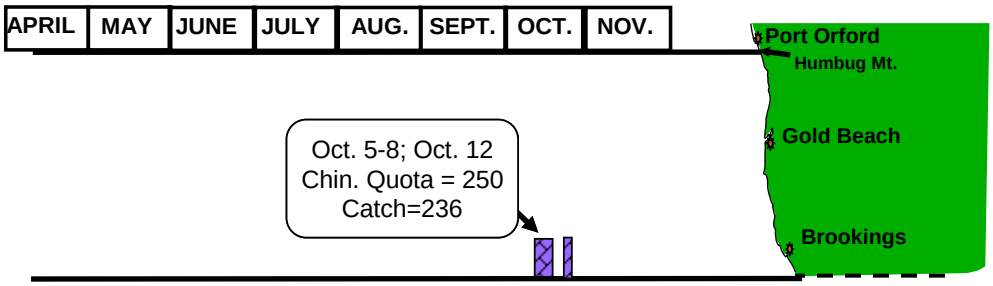
Oregon commercial ocean troll salmon seasons between Cape Falcon and Humbug Mt., 2008



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.

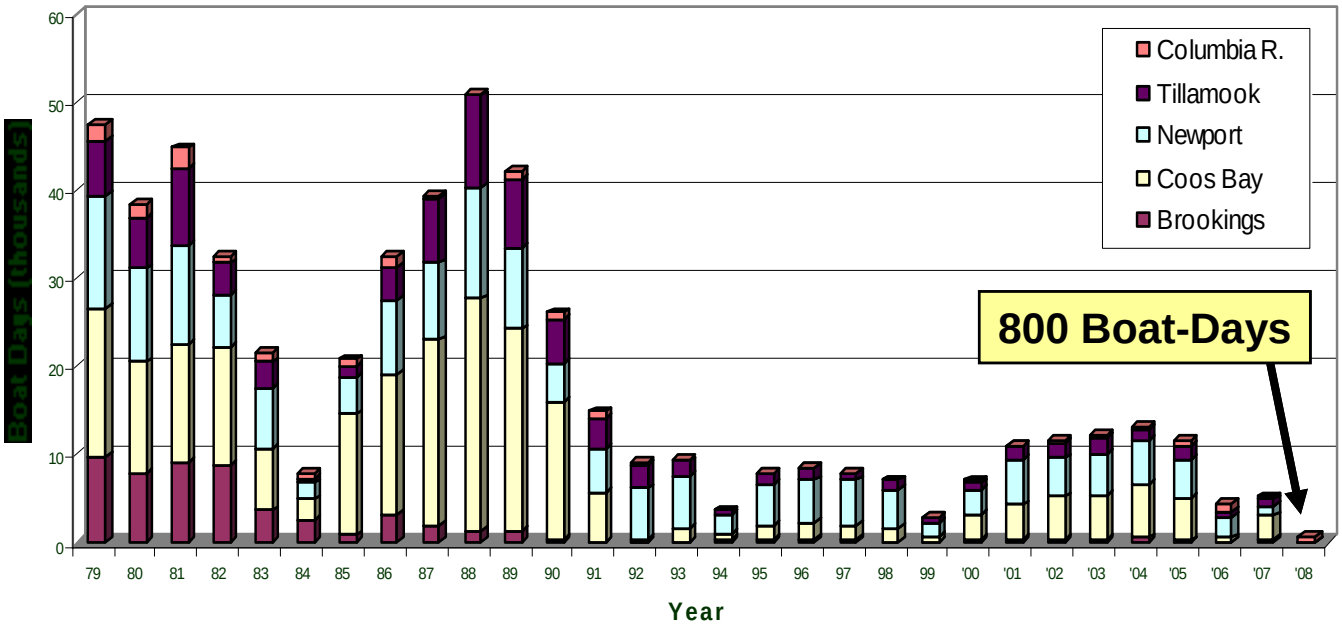
Chinook only. Open in State Waters (0-3 miles), Cape Blanco to Humbug Mt. No more than 4 spreads/wire. Single day landing and possession limit of 10 Chinook. All fish must be landed in Port Orford.

Oregon commercial ocean troll salmon seasons between Humbug Mt. and the California border, 2008

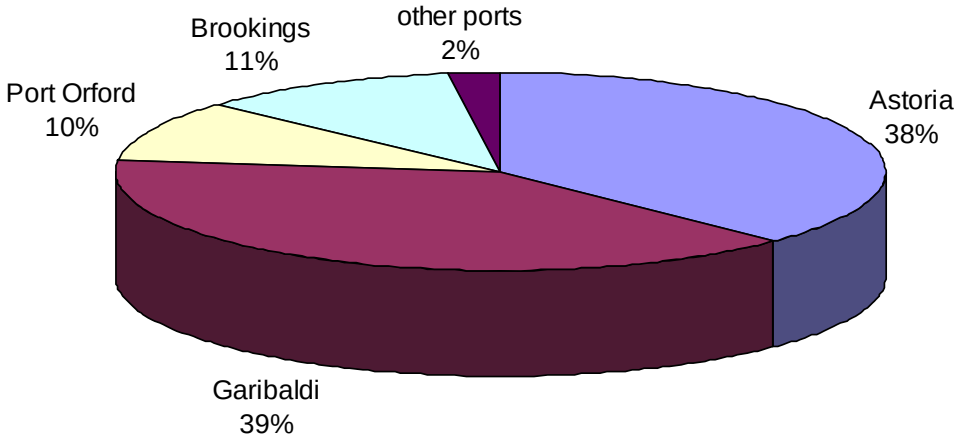


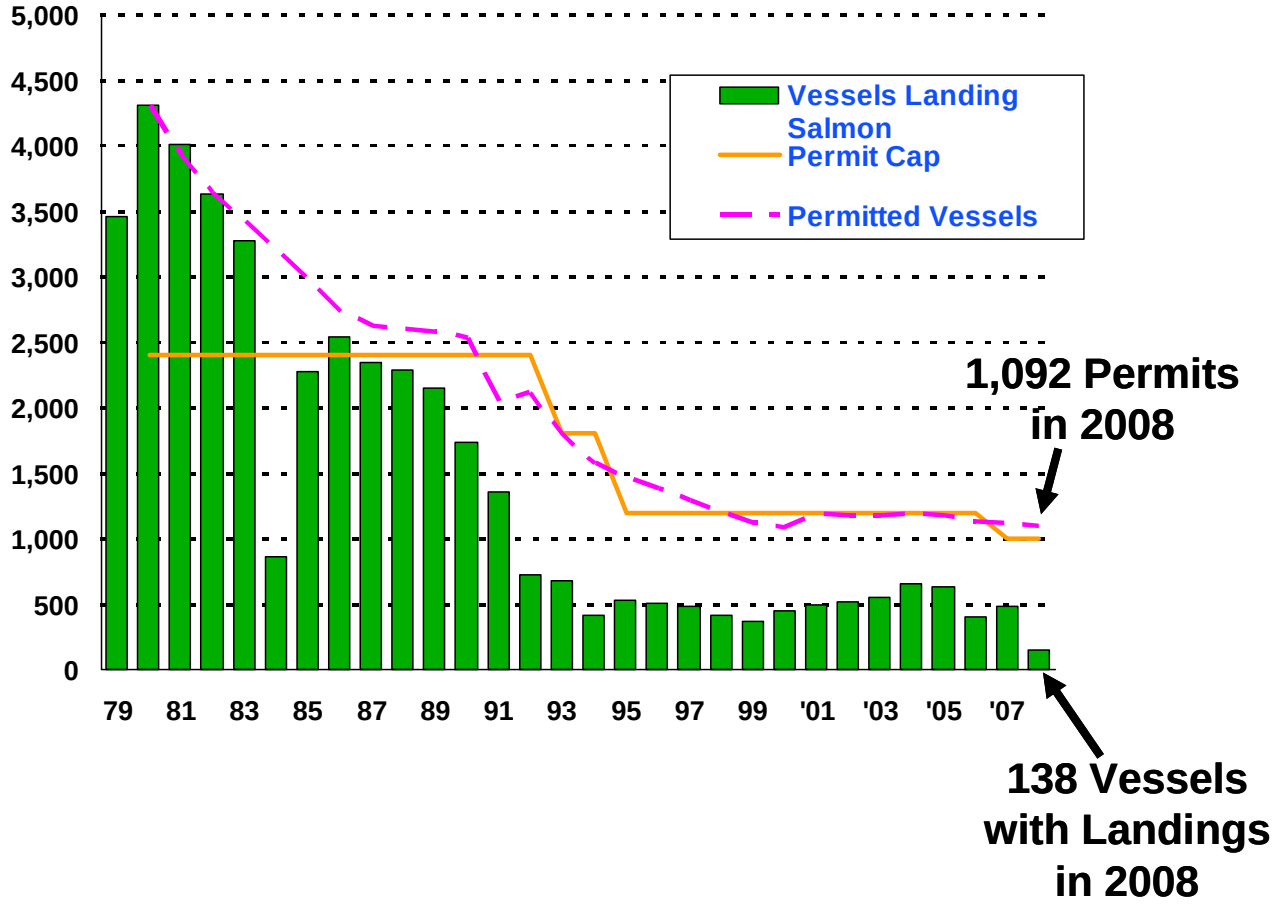
Chinook only. No more than 4 spreads/wire. Open in State Waters (0-3 miles), from Twin Rocks to OR/CA Border. Single daily landing and possession limit of 10 fish/vessel from Oct. 5-8, and 5 fish/vessel on Oct. 12. All fish required to be landed in Brookings.

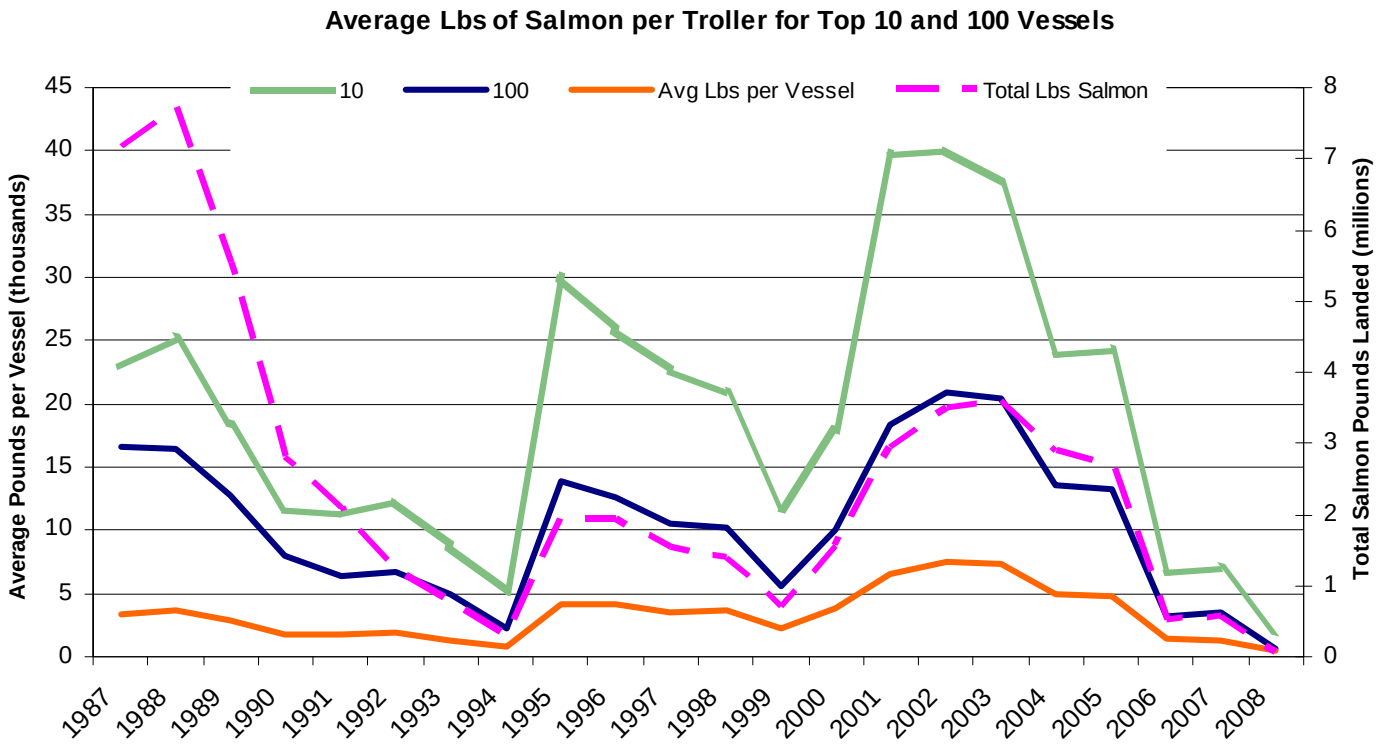
Troll Effort by Area



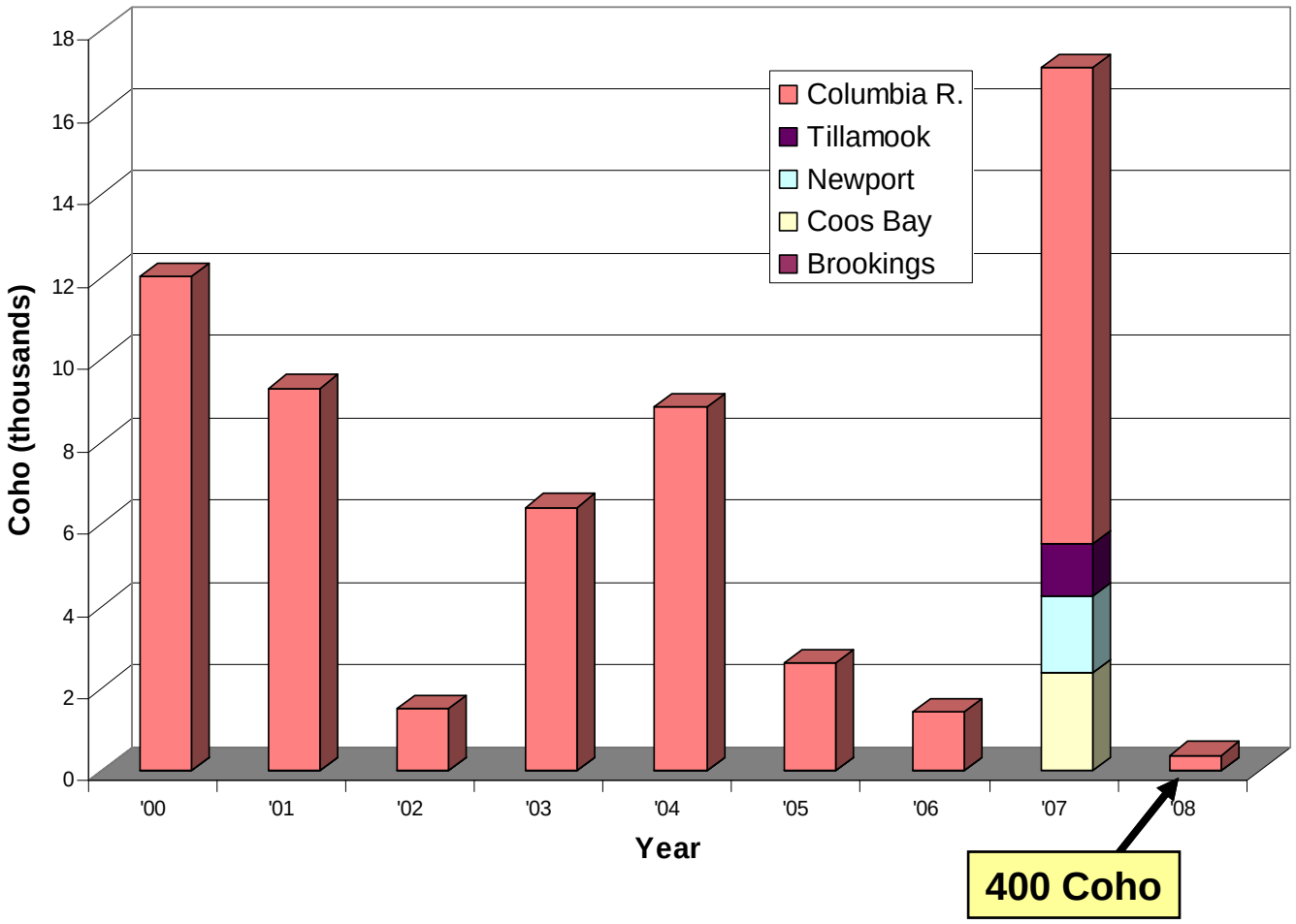
Troll Effort (Deliveries) by Port, 2008



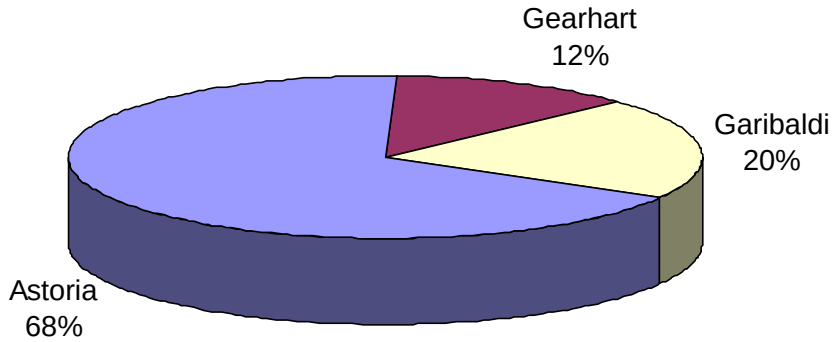

5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
79
81
83
85
87
89
91
93
95
97
99
'01
'03
'05
'07
Vessels Landing Salmon
Permit Cap
Permitted Vessels
1,092 Permits in 2008
138 Vessels with Landings in 2008


Average Lbs of Salmon per Troller for Top 10 and 100 Vessels
10
100
Avg Lbs per Vessel
Total Lbs Salmon
Average Pounds per Vessel (thousands)
Total Salmon Pounds Landed (millions)
45
40
35
30
25
20
15
10
5
0
8
7
6
5
4
3
2
1
0
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008

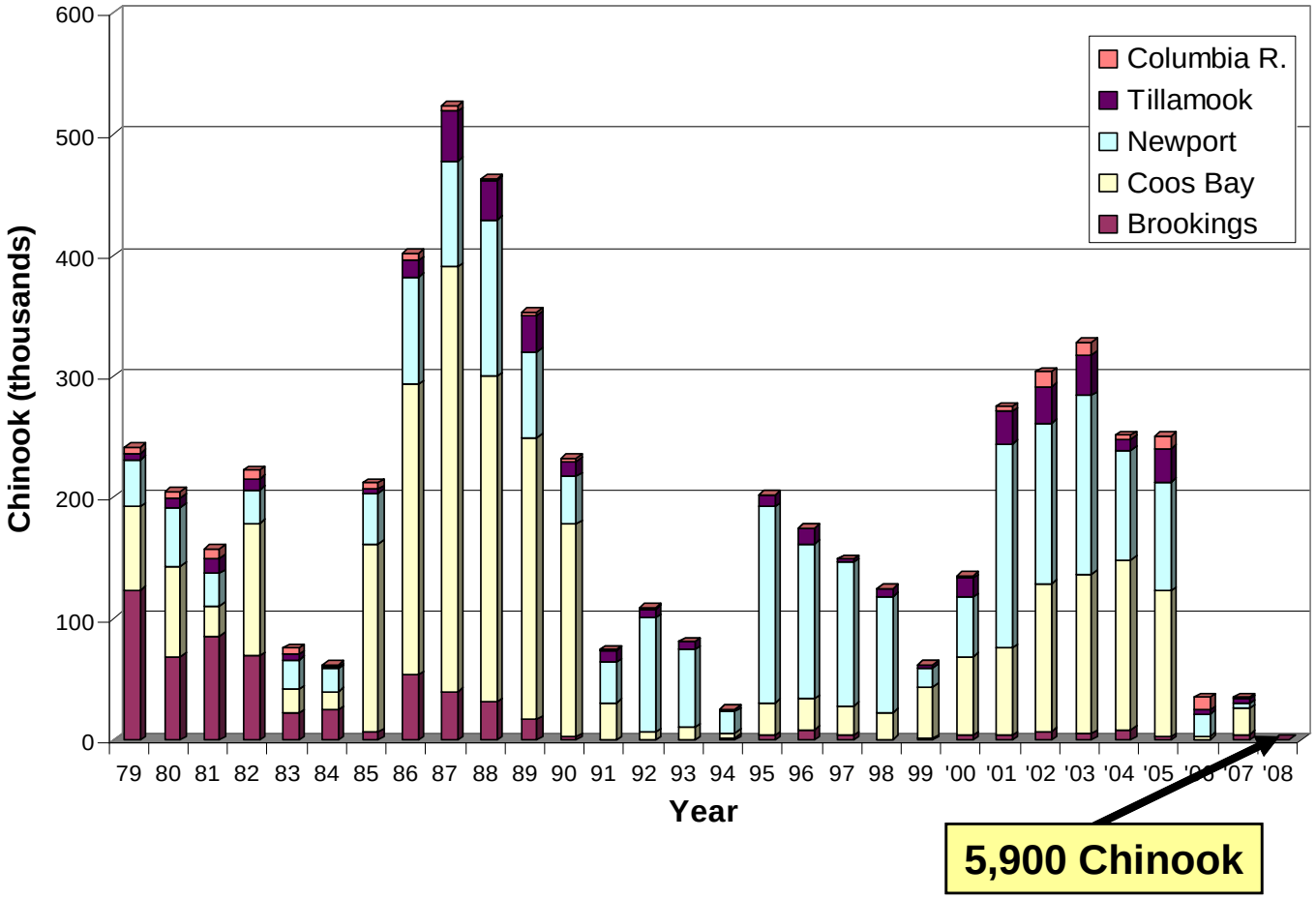
Troll Coho Landings by Area



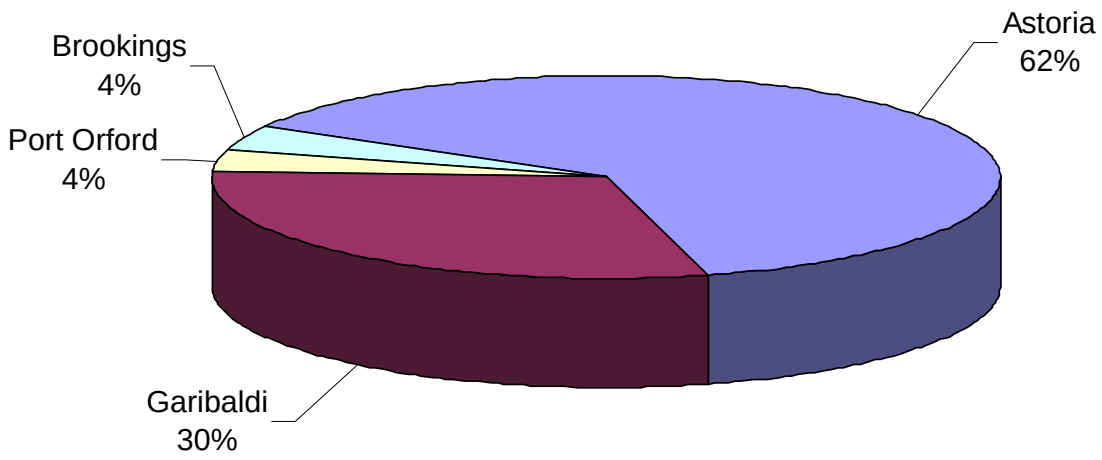
Troll Coho Landings by Port, 2008



Troll Chinook Landings by Area



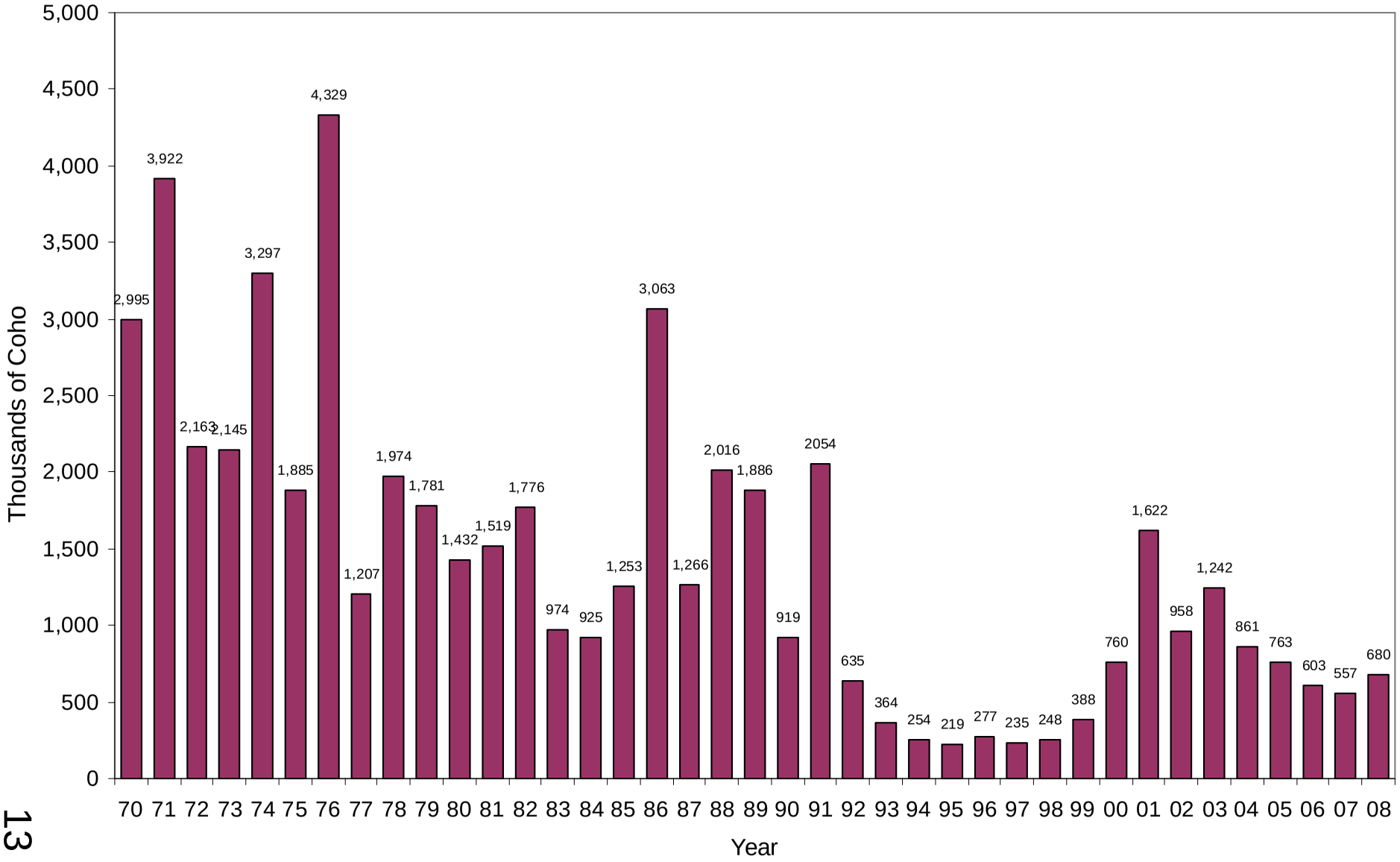
Troll Chinook Landings by Port, 2008



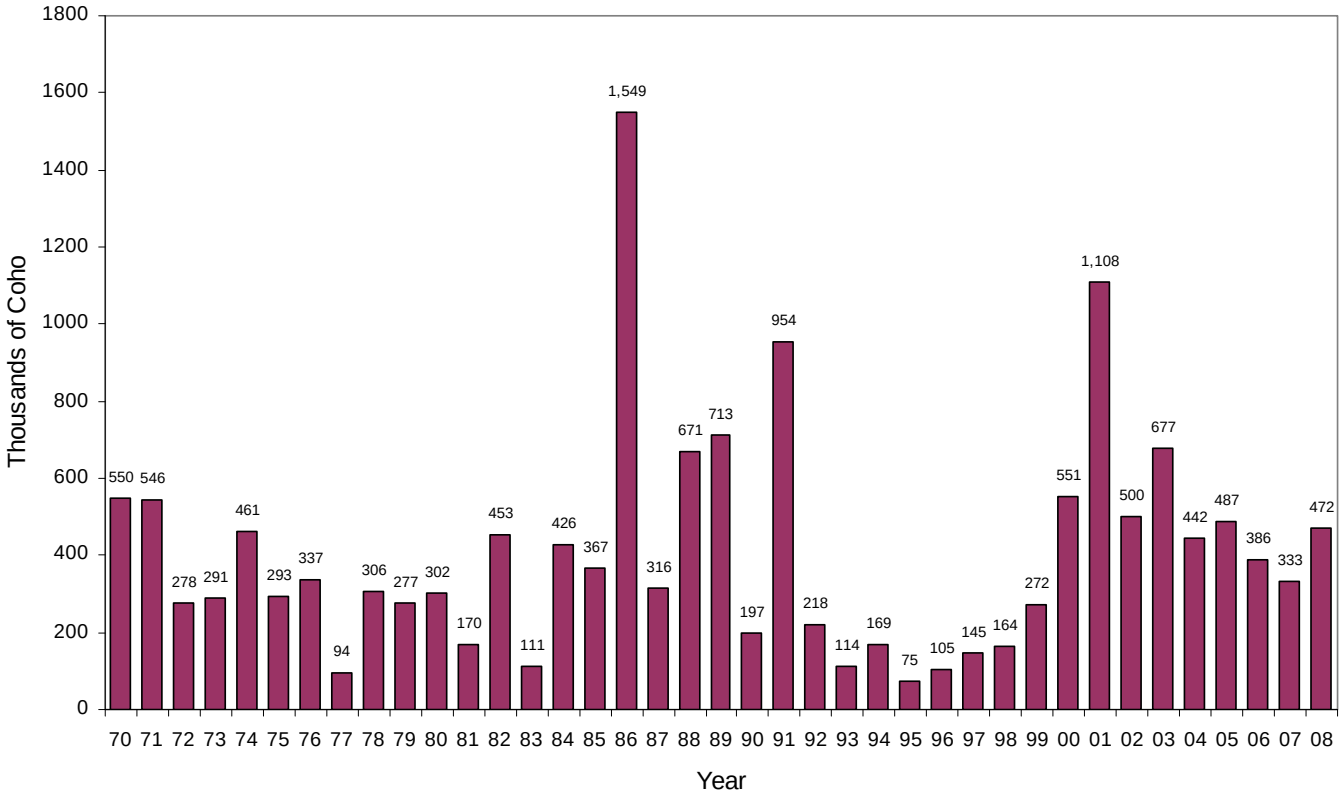
2009 Ocean Fishery Process Schedule

Feb. 26	Ocean Salmon Industry Group * 2009 Forecasts * 2009 Salmon season discussions	Newport, OR
Mar. 3	WDFW Public Meeting * 2009 Forecasts * 2009 Salmon season discussions	Olympia, WA
Mar. 3	CDFG Public Meeting * 2009 Forecasts * 2009 Salmon season discussions	Santa Rosa, CA
Mar. 7-12	Pacific Fishery Management Council * Adopt 2009 ocean salmon options for public review	Seattle, WA Marriot - SeaTac
Mar. 16	Columbia River Fisheries Discussion ODFW, WDFW, Public	Vancouver, WA
Mar. 17	North of Falcon I (Public Meeting) * Ocean/Columbia River salmon season negotiations	Lacey, WA
Mar. 20	Oregon Fish and Wildlife Commission * Ocean and state waters salmon fishery options	Salem, OR ODFW HQ
Mar. 30	PFMC Public Options Hearing * Public input on 2008 season options	Coos Bay, OR Red Lion
Mar. 30	PFMC Public Options Hearing * Public input on 2008 season options	Westport, WA
Mar. 31	PFMC Public Options Hearing * Public input on 2008 season options	Eureka, CA
Mar. 31	North of Falcon II (Public Meeting) * Continued negotiations	Lynnwood, WA
Apr. 4-9	Pacific Fishery Management Council * Adopt 2009 ocean salmon fishery regulations	Millbrae, CA Westin - SF Airport
Apr. 17	Oregon Fish and Wildlife Commission * Adopt state waters ocean salmon fishery regulations	Corvallis, OR OHRC

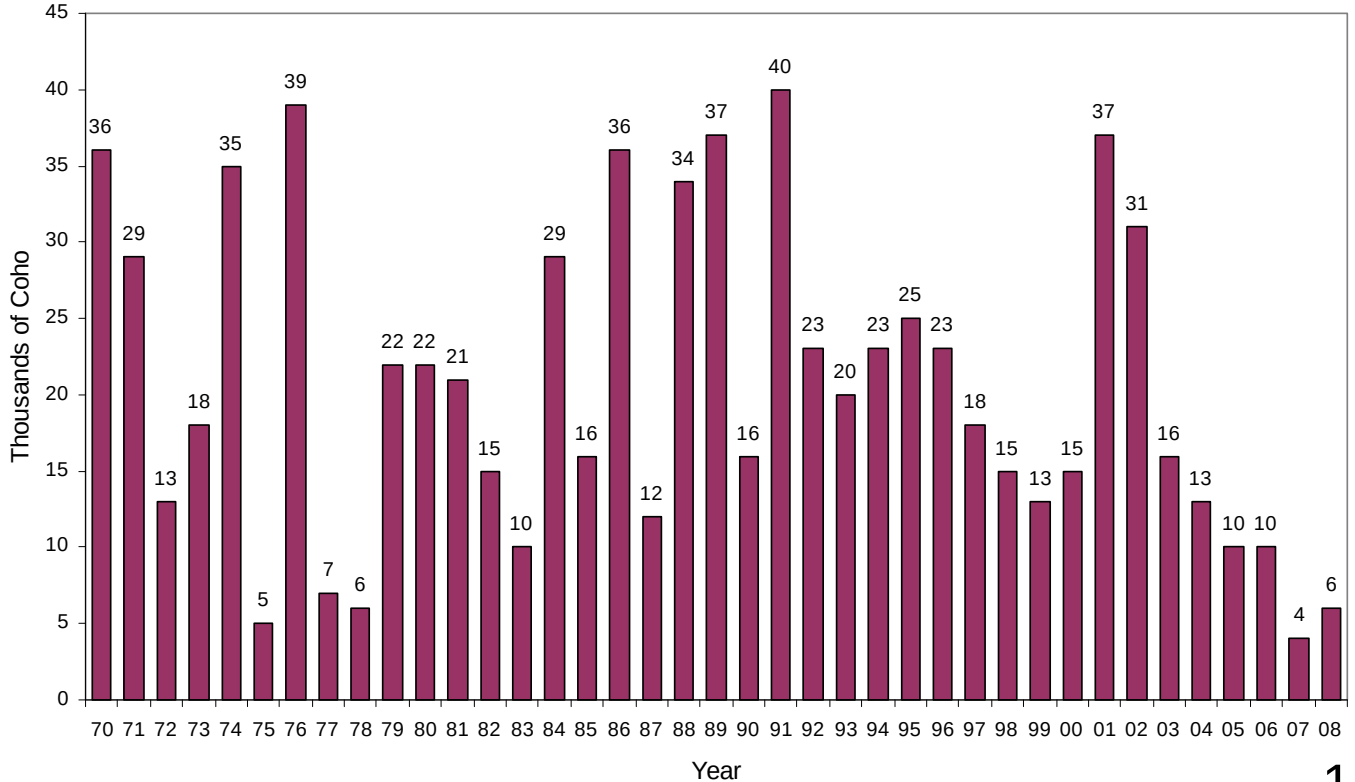
Annual Oregon Production Area Coho Abundance Estimates, 1970-2008



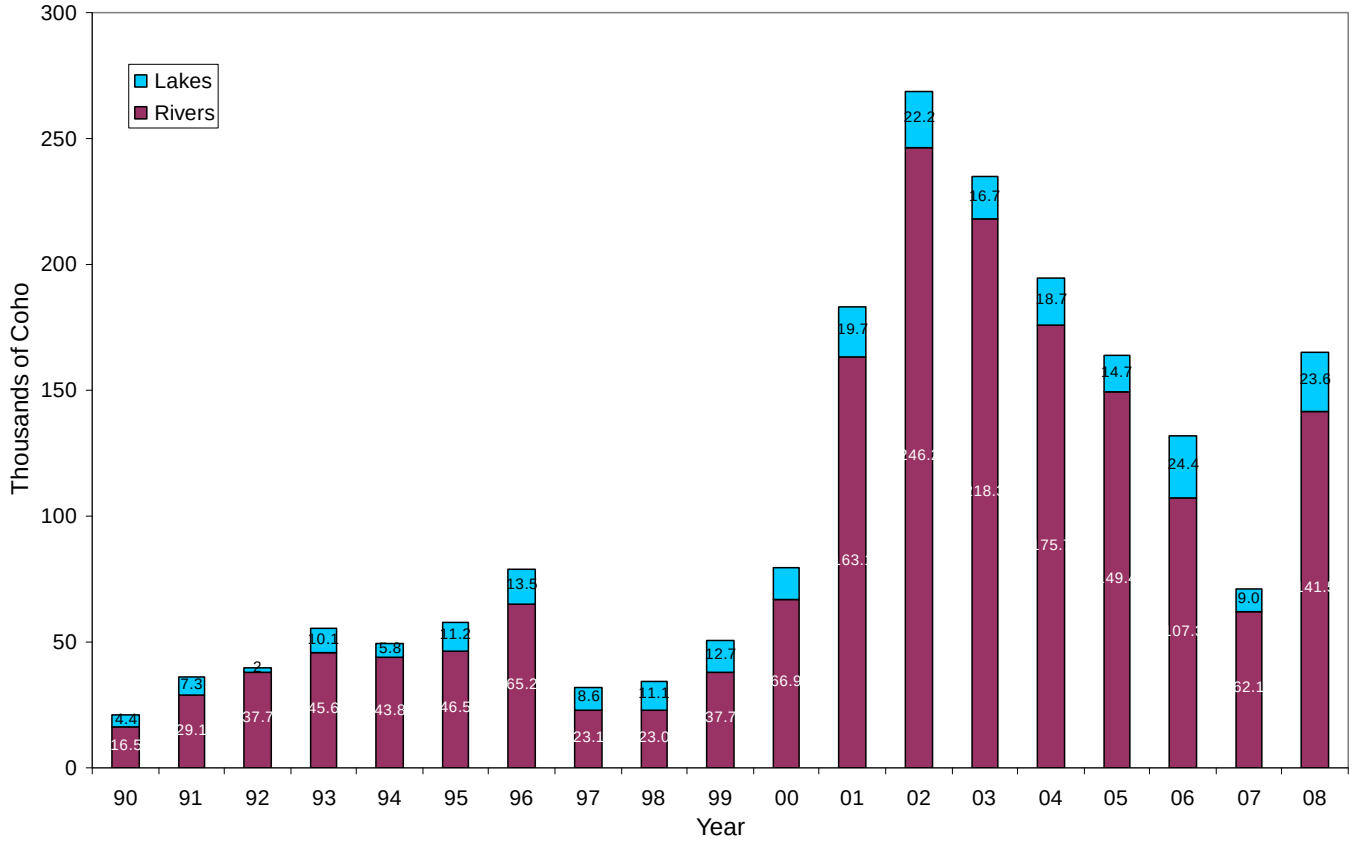
Columbia River Hatchery Coho Escapement, 1970-2008



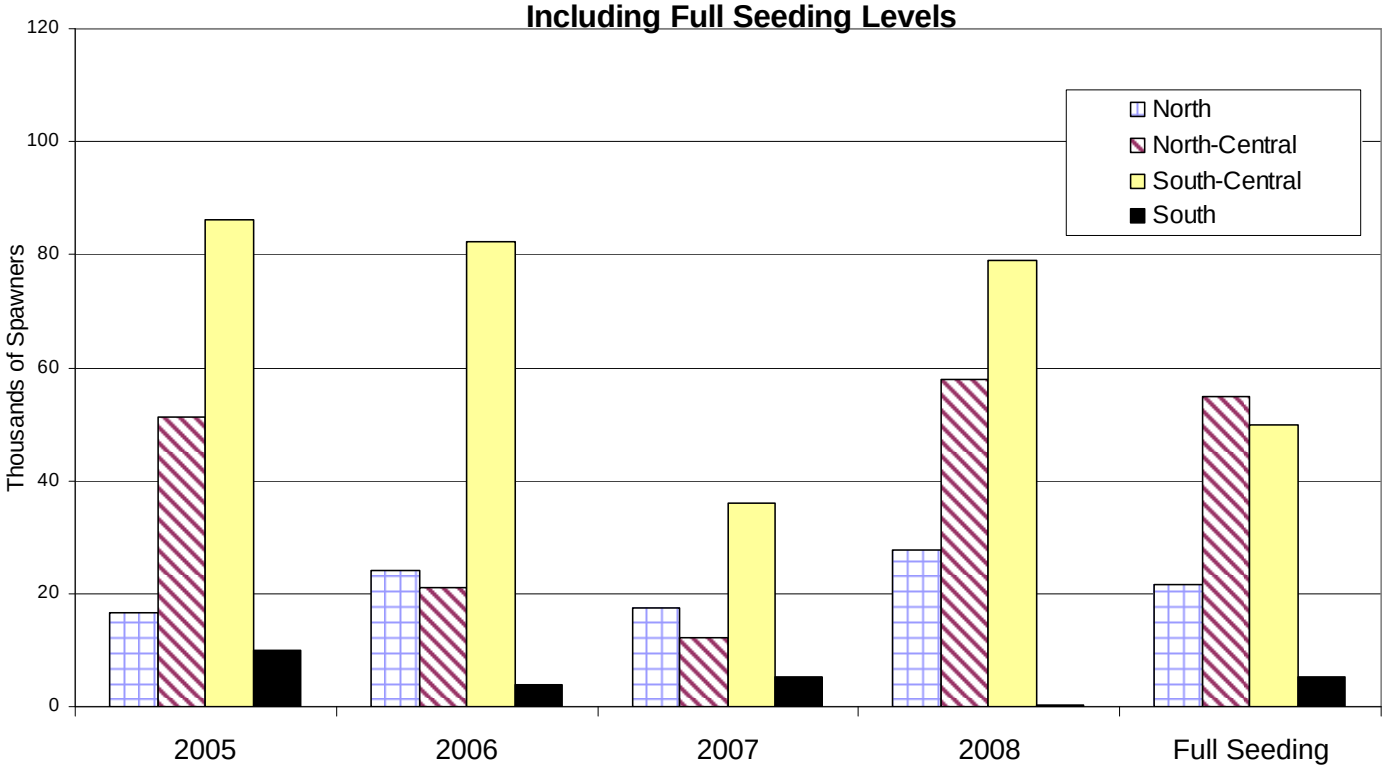
Oregon Coastal Hatchery Coho Returns, 1970-2008



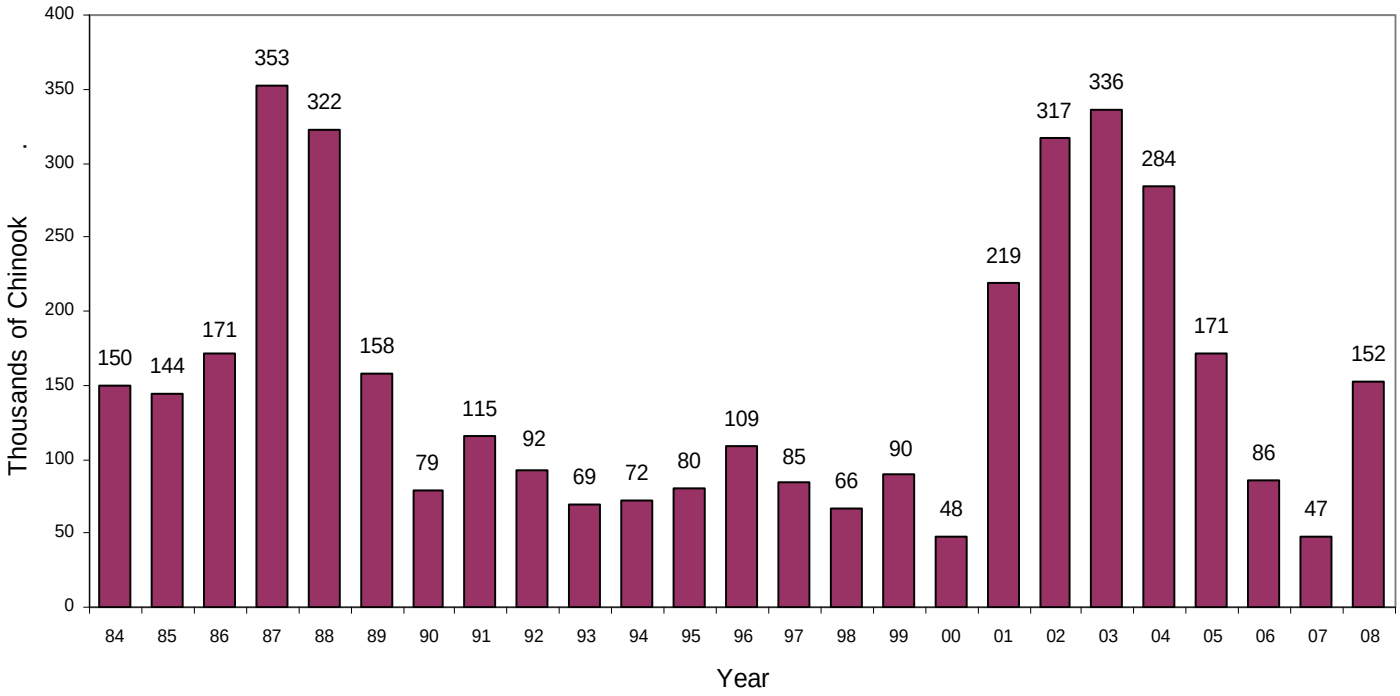
OCN Coho Adult Spawner Escapements for Lakes and Rivers, 1990-2008



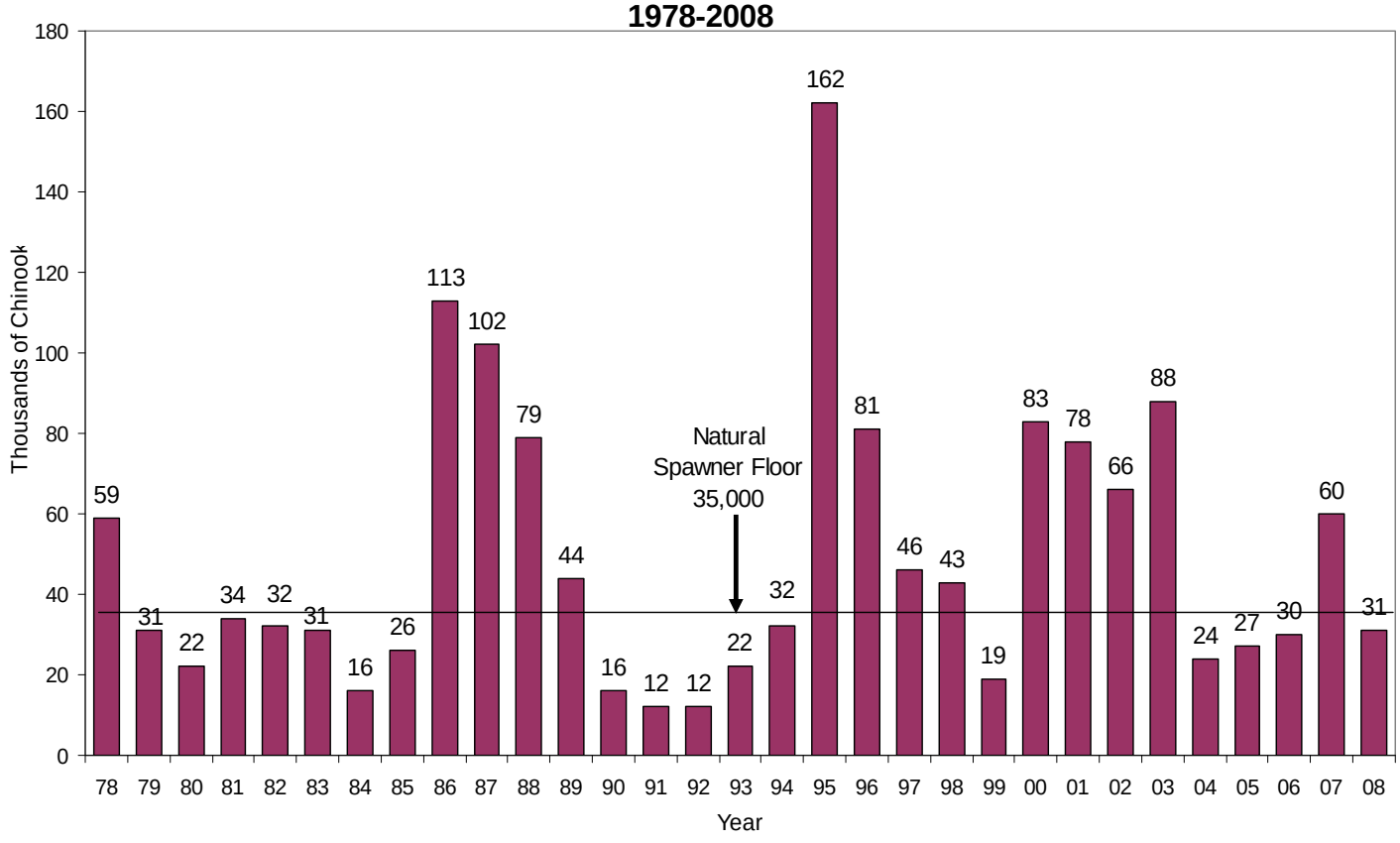
OCN Spawner Escapement by Sub-Aggregate, 2005-2008 Including Full Seeding Levels

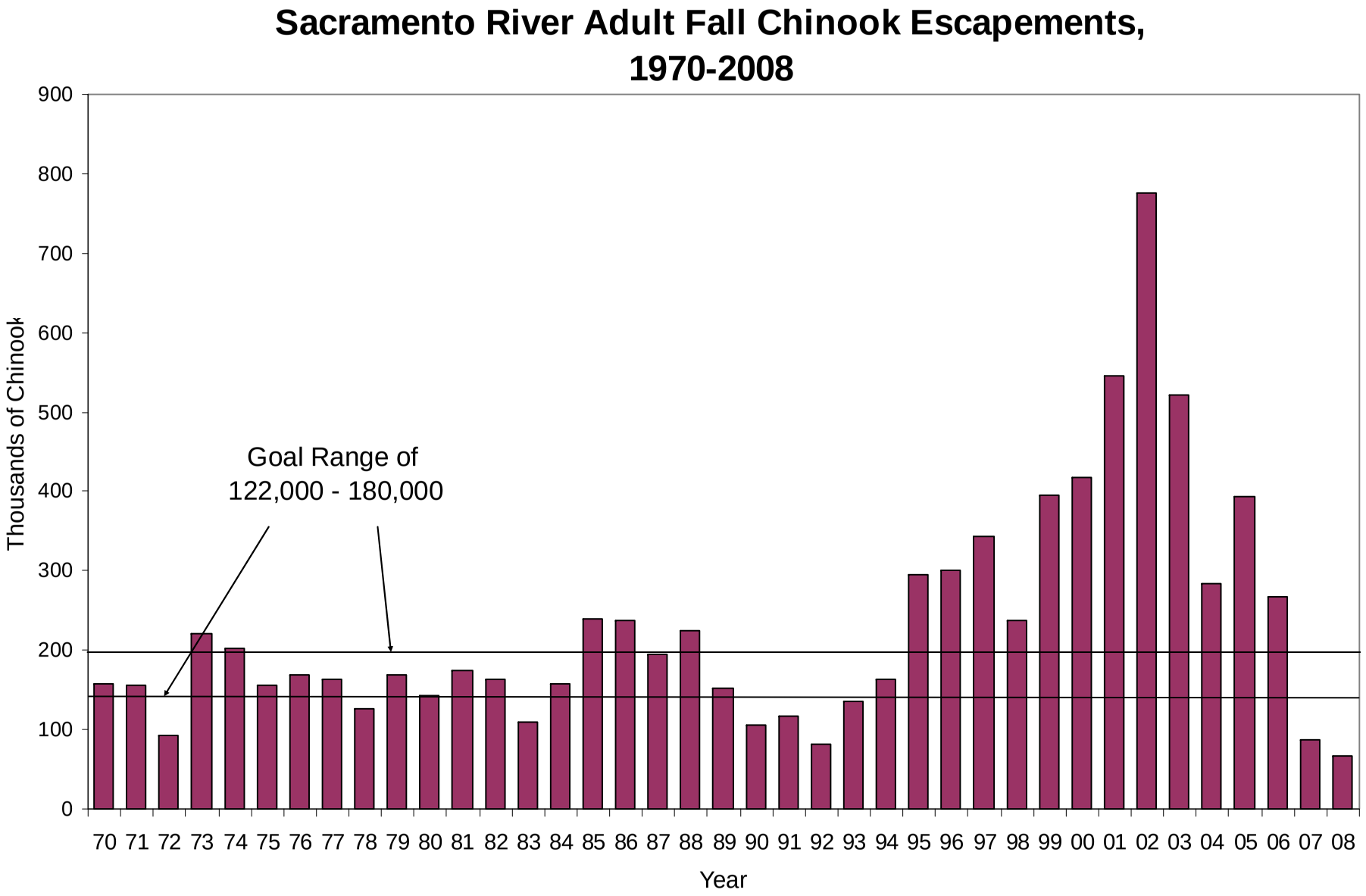


Columbia River Tule Chinook Ocean Escapement, 1984-2008



Klamath River Natural Fall Chinook Adult Spawner Escapement, 1978-2008



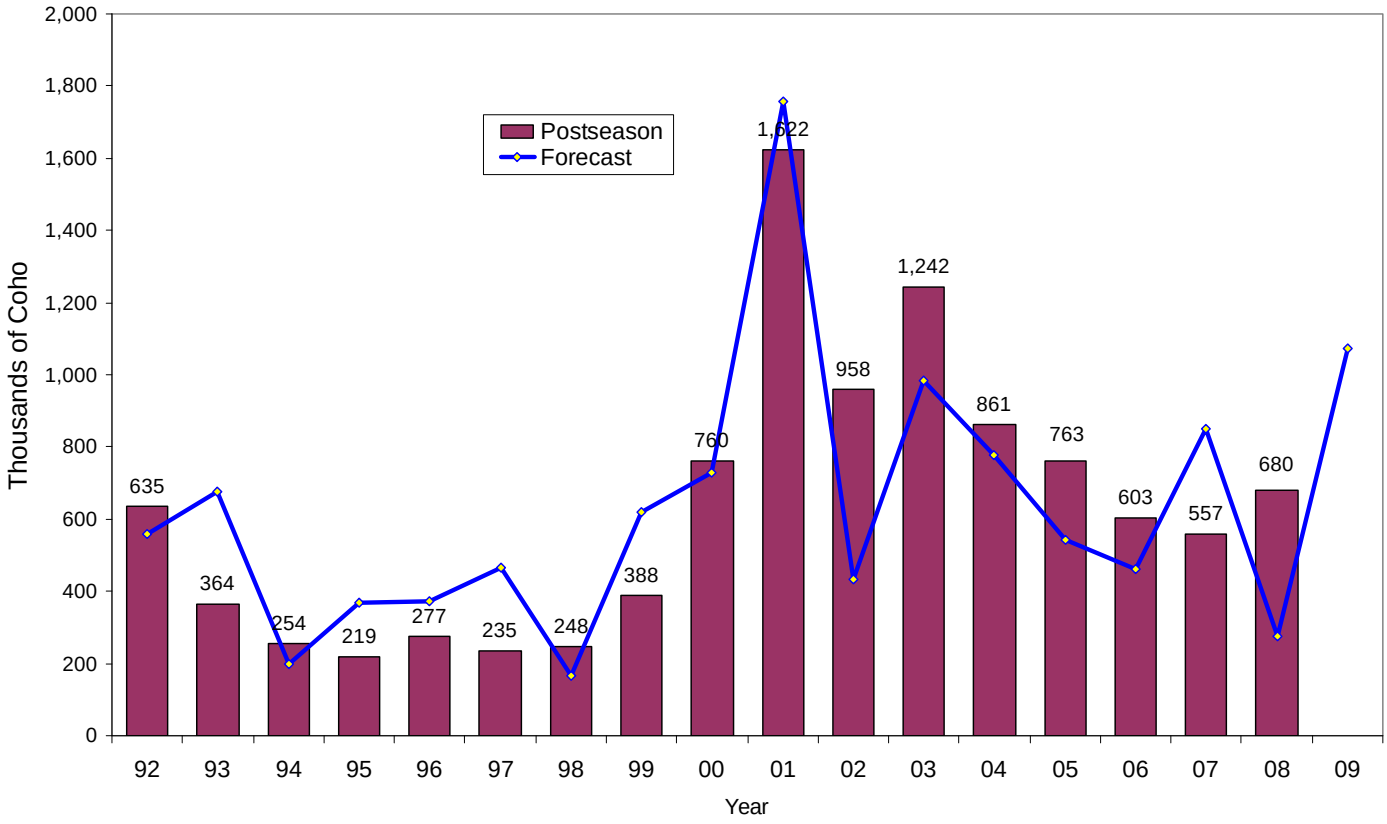

Sacramento River Adult Fall Chinook Escapements, 1970-2008
Thousands of Chinook
900
800
700
600
500
400
300
200
100
0
Goal Range of
122,000 - 180,000
70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08
Year

2008 Ocean Abundance Estimates for Select Salmon Stocks, Preseason vs. Postseason

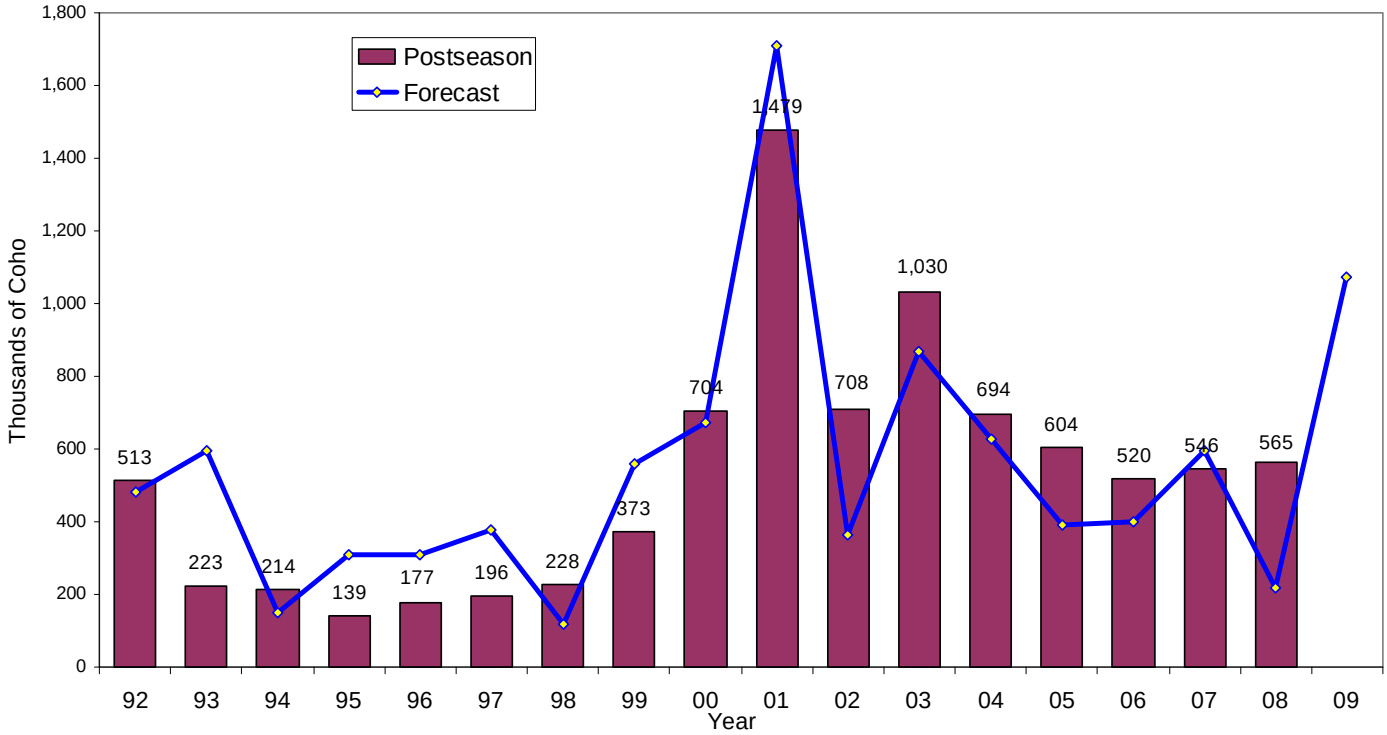
Coho	Preseason Expectations	Postseason	Pre/Post
Oregon Production Index (OPI)			
Hatchery	216,100	565,400	38%
OCN	60,000	170,900	35%
LCN	13,400	27,200	49%
Chinook			
Sacramento Index (Fall Chinook)	54,600	69,900	78%
Klamath	age 3 - 31,600 age 4 - 157,200	36,100 81,600	88% 193%
Rogue Fall	Index - 10,200	NA	
Oregon Coast North Migrating	Poor Returns	Declining survey results and returns.	
Columbia River 1/			
Tules	146,200	152,000	96%
Fall Brights	162,500	196,900	83%
Lower River Wild	3,800	7,100	54%
Upriver Spring	269,300	178,600	151%
Willamette Spring	34,000	27,000	128%

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

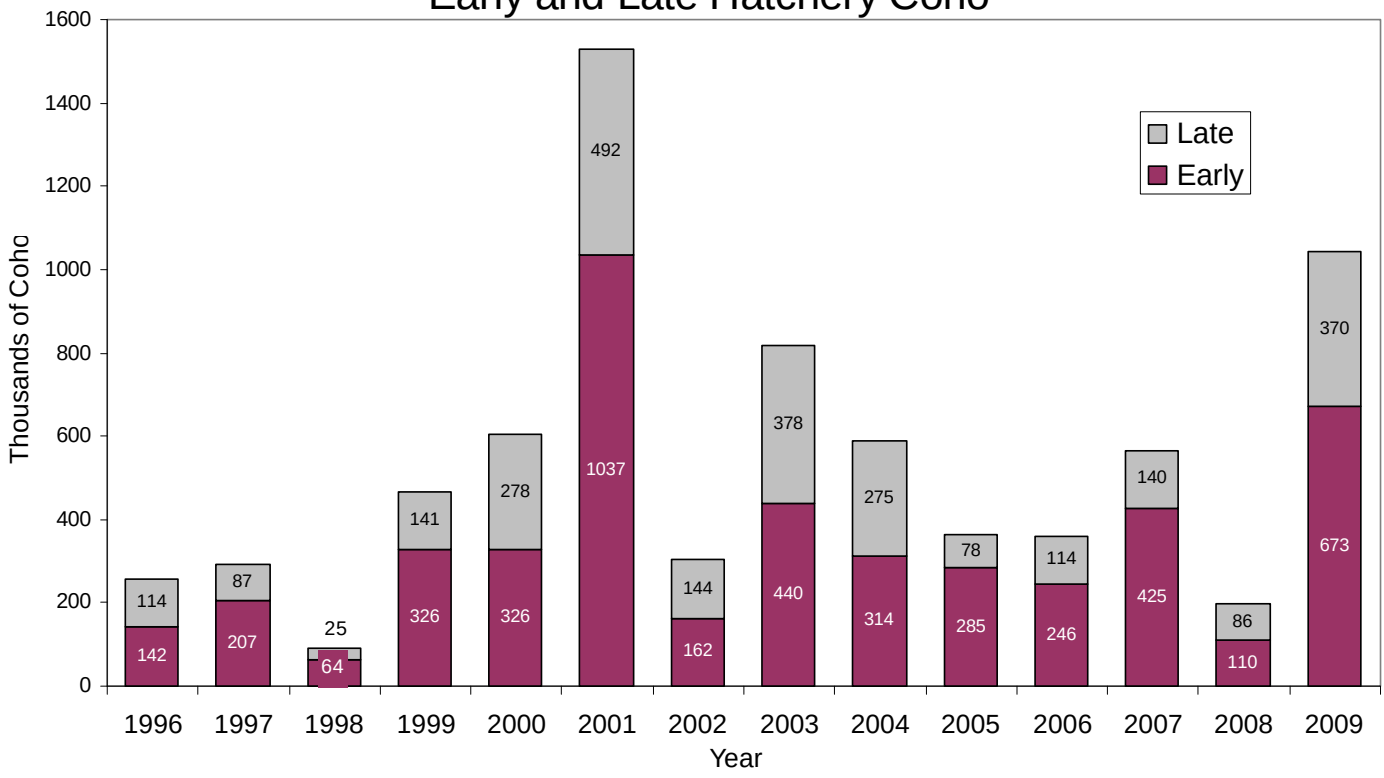
OPI Coho Abundance Forecast for 2009 with Comparison to **Postseason** Estimates and **Preseason** Forecasts



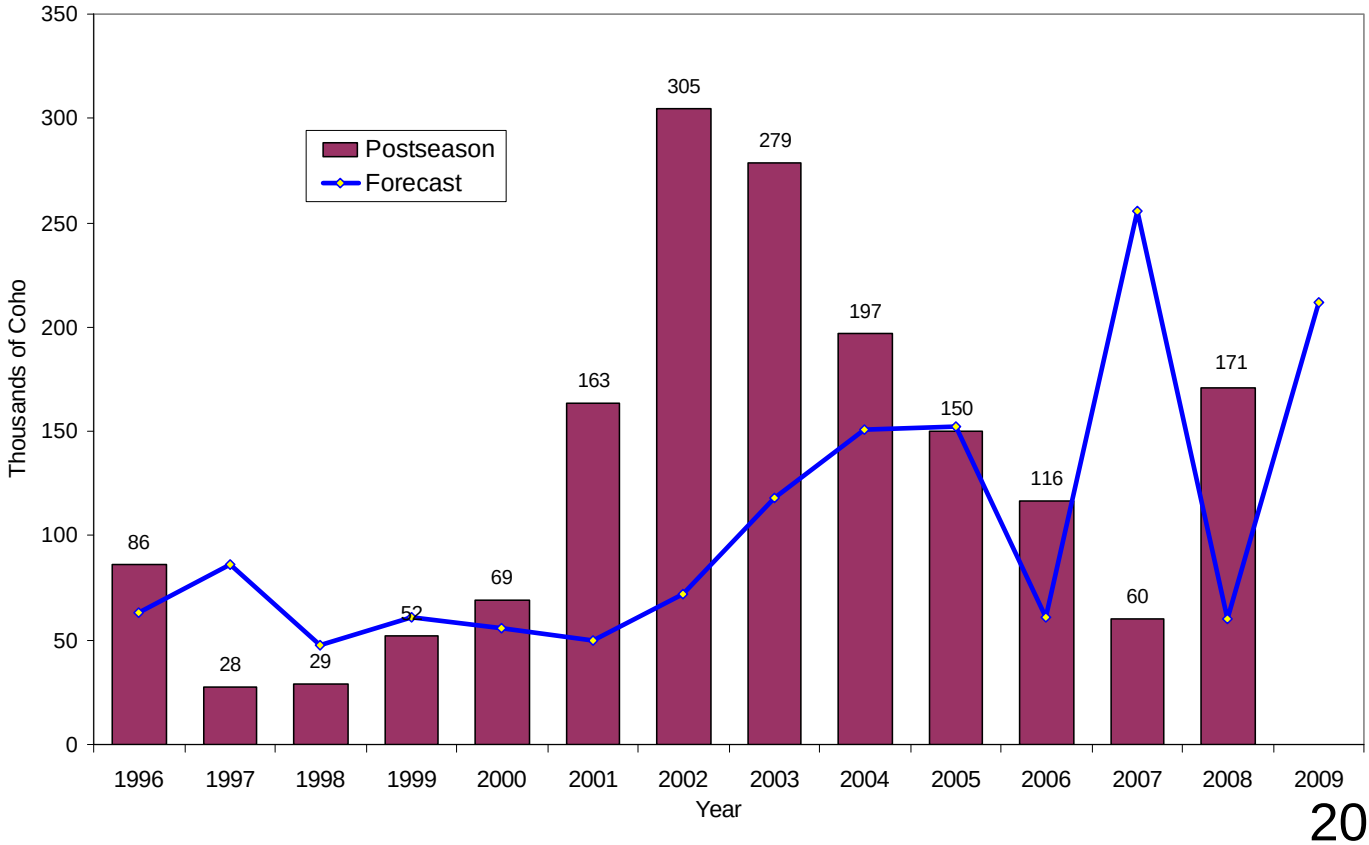
OPI Hatchery Coho Abundance Forecast for 2009 with Comparison to **Postseason** Estimates and **Preseason** Forecasts

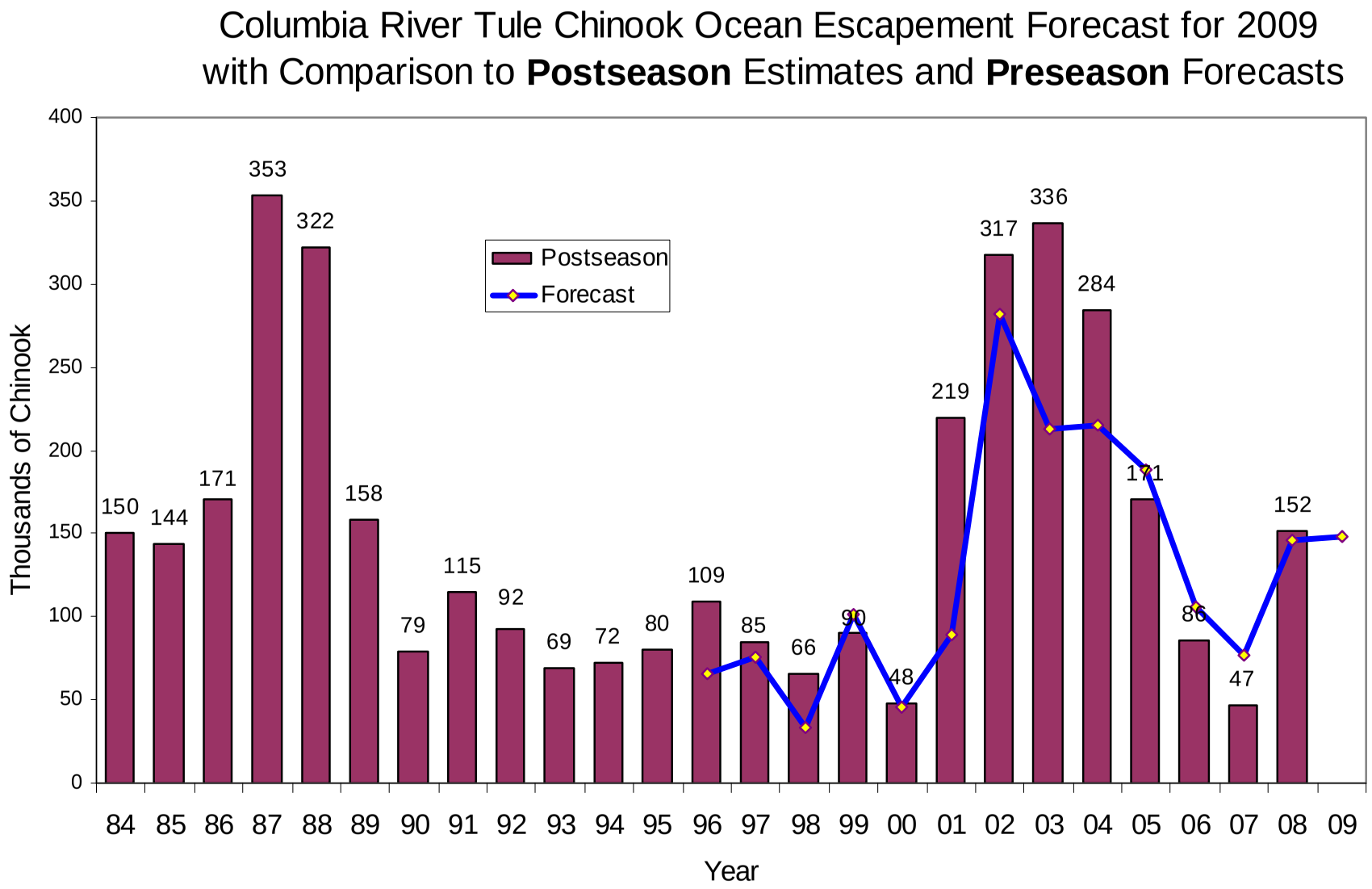


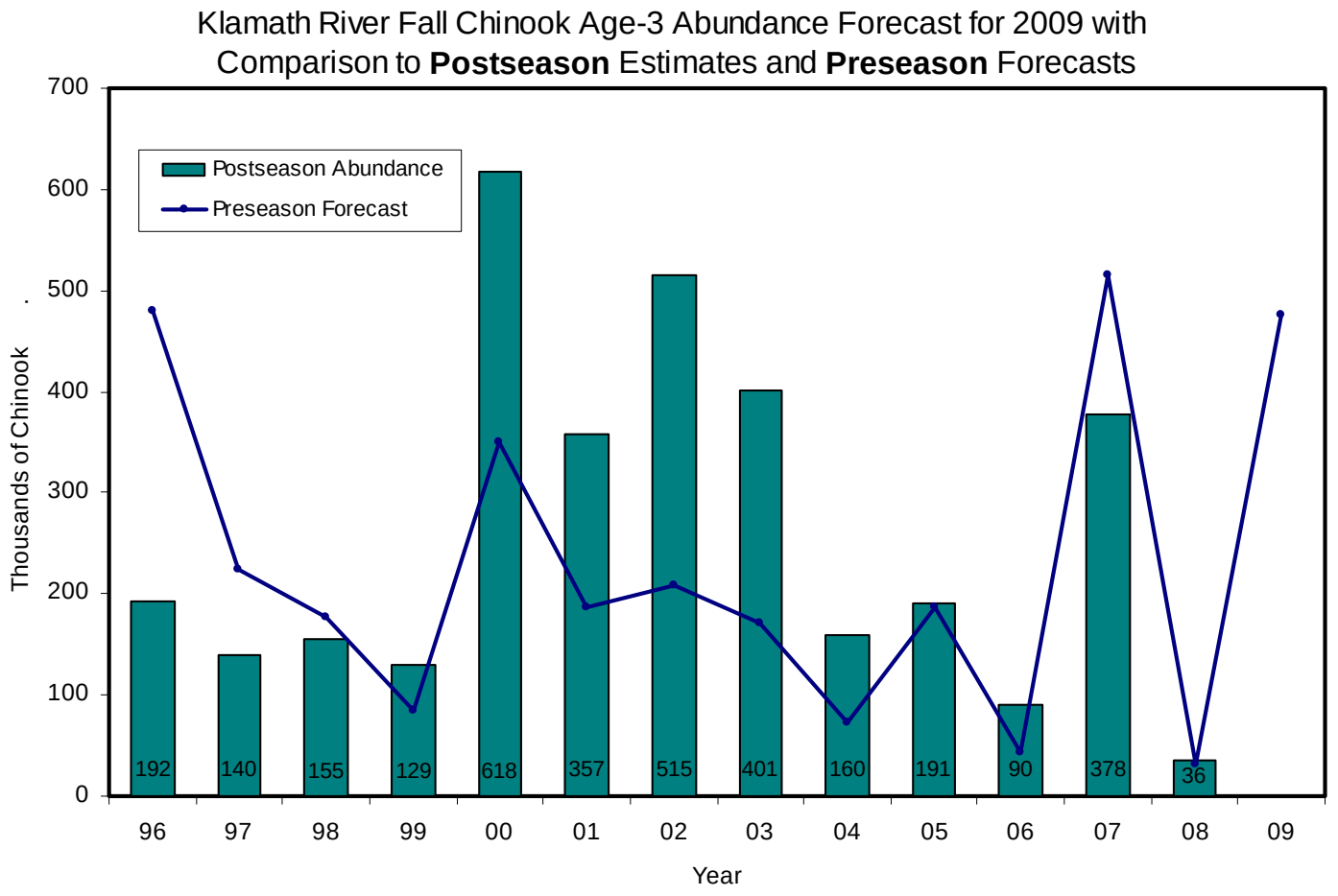
Preseason Forecasts of Columbia River Early and Late Hatchery Coho

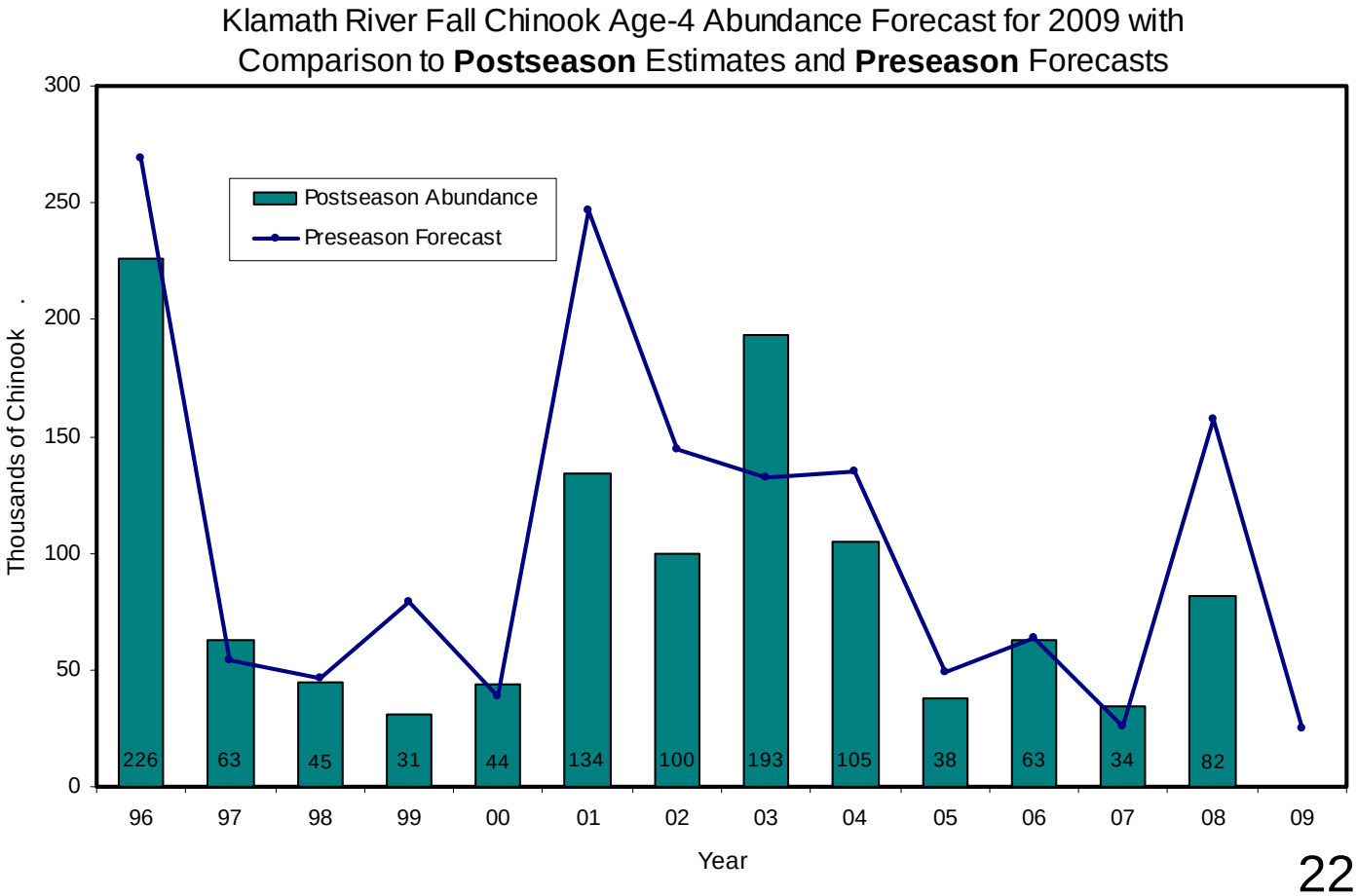


OCN Coho Abundance Forecast for 2009 with Comparison to **Postseason** Estimates and **Preseason** Forecasts




Columbia River Tule Chinook Ocean Escapement Forecast for 2009
with Comparison to **Postseason** Estimates and **Preseason** Forecasts
Thousands of Chinook
Year
Postseason
Forecast
0
50
100
150
200
250
300
350
400
84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09
150 144 171 353 322 158 79 115 92 69 72 80 109 85 66 90 48 219 317 336 284 171 86 47 152


Klamath River Fall Chinook Age-3 Abundance Forecast for 2009 with Comparison to **Postseason** Estimates and **Preseason** Forecasts
Postseason Abundance
Preseason Forecast
Thousands of Chinook
700
600
500
400
300
200
100
0
192
140
155
129
618
357
515
401
160
191
90
378
36
96
97
98
99
00
01
02
03
04
05
06
07
08
09
Year


Klamath River Fall Chinook Age-4 Abundance Forecast for 2009 with Comparison to **Postseason** Estimates and **Preseason** Forecasts
Postseason Abundance
Preseason Forecast
Thousands of Chinook
300
250
200
150
100
50
0
226
63
45
31
44
134
100
193
105
38
63
34
82
96
97
98
99
00
01
02
03
04
05
06
07
08
09
Year

Salmon Stocks

Coho	Preseason Expectations	Comments
Oregon Production Index (OPI)		
Hatchery	1,073,100	5 times higher than 2008 Forecast
OCN	211,600	3.5 times higher than 2008 Forecast
LCN	32,700	2.5 times higher than 2008 Forecast
Chinook		
Sacramento Index (Fall Chinook)	122,200	than 2008 Forecast; just above spawn
Klamath	age 3 - 474,900 age 4 - 25,200	15 times higher than 2008 Forecast 6 times lower than 2008 Forecast
Rogue Fall	Index - 10,700	12% lower than 2008 Forecast
Oregon Coast North Migrating	Poor Returns	Decreasing spawner counts suggest declining trends
Columbia River 1/		
Tules	148,100	equal to 2008 Forecast; almost no age 3 in mix
Fall Brights	259,900	60% higher than 2008 Forecast
Lower River Wild	8,500	2.2 times higher than 2008 Forecast
Upriver Spring	298,900	10% higher than 2008 Forecast
Willamette Spring	37,600	10% higher than 2008 Forecast

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

Oregon Coastal Natural Coho Spawning Escapement Estimates, 1994-2008.

Component and Basin[a/]	Miles	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	1994-2008 Avg.
NORTHERN																	
Nehalem	386	2,007	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	11,628
Tillamook	249	652	289	661	388	271	2,175	1,983	1,883	15,715	14,584	2,290	1,995	8,774	2,280	4,897	3,922
Nestucca	167	313	1,811	519	271	169	2,201	1,171	3,940	13,003	8,929	6,152	686	1,876	394	5,444	3,125
Ind. Tribs.	97	485	319	1,043	314	946	775	474	5,247	2,912	3,068	3,142	3,334	1,871	807	1,645	1,759
TOTAL	**899**	**3,457**	**3,882**	**3,280**	**2,146**	**2,576**	**8,864**	**17,913**	**33,380**	**52,533**	**59,640**	**33,063**	**16,466**	**24,135**	**17,514**	**27,676**	**20,435**
NORTH CENTRAL																	
Siletz	118	1,200	607	763	336	394	706	3,553	1,437	2,252	9,736	6,399	14,567	5,205	2,197	14,519	4,258
Yaquina	109	2,448	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	5,470
Alsea	221	1,279	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	4,195
Siuslaw	514	3,205	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	11,826
Ind. Tribs.	201	1,683	560	2,975	774	1,222	3,691	829	6,400	14,434	7,664	14,558	2,589	3,931	1,227	6,170	4,580
TOTAL	**1,163**	**9,815**	**13,605**	**18,127**	**2,842**	**3,283**	**11,759**	**14,261**	**25,239**	**103,966**	**68,868**	**40,394**	**51,411**	**21,224**	**12,280**	**57,872**	**30,330**
SOUTH CENTRAL																	
Umpqua	1,083	5,336	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	20,011
Coos	208	14,685	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	15,161
Coquille	331	5,035	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	11,531
Coastal Lakes	-	5,841	11,216	13,493	8,603	11,107	12,710	12,747	19,669	22,162	16,688	18,687	14,724	24,378	8,955	23,570	14,970
TOTAL	**1,622**	**30,897**	**36,492**	**52,614**	**18,410**	**25,893**	**28,341**	**36,496**	**111,982**	**104,051**	**99,763**	**96,425**	**86,254**	**82,375**	**36,035**	**79,062**	**61,673**
SOUTH																	
Rogue[b/]	**-**	**5,439**	**3,761**	**4,622**	**8,282**	**2,316**	**1,438**	**10,966**	**12,213**	**7,800**	**6,754**	**24,481**	**9,953**	**3,937**	**5,179**	**414**	**7,170**
COASTWIDE	**-**	**49,608**	**57,740**	**78,643**	**31,680**	**34,068**	**50,402**	**79,636**	**182,814**	**268,350**	**235,025**	**194,363**	**164,084**	**131,671**	**71,008**	**165,024**	**119,608**

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

	Marine Survival Index (based on return of jacks per hatchery smolt)			
Parent Spawner Status [1/]	**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 aggergate 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 subaggergates. 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-aggergate) is estimated as 12% of full seeding of high quality habitat.