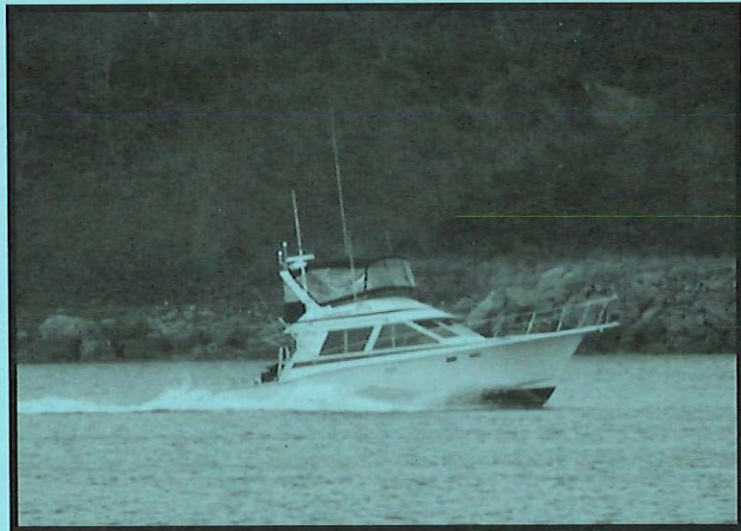
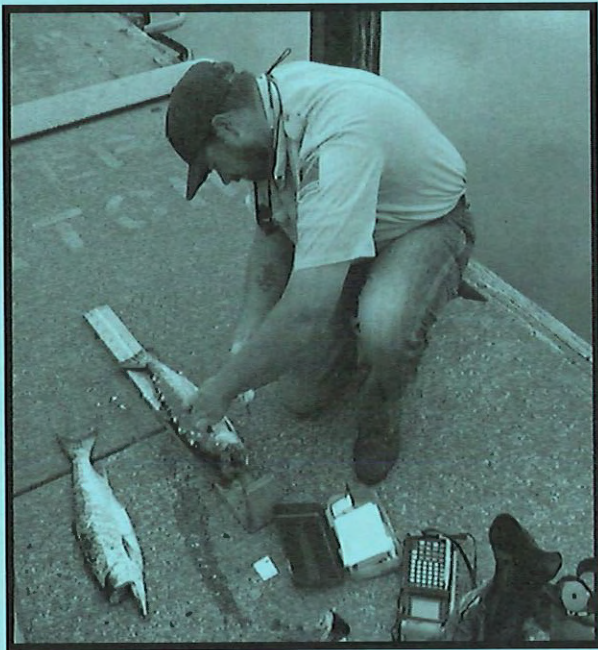

Oregon Ocean Salmon Fisheries: Annual Status Report, 2001



Oregon Department of Fish and Wildlife Ocean Salmon Management

Eric Schindler
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OREGON OCEAN SALMON FISHERIES:

Annual Status Report, 2001

by
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Gway Rogers-Kirchner
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Oregon Department of Fish and Wildlife
Fish Division
Marine Resources Program
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(Commercial Troll Salmon Project
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INTRODUCTION

The Ocean Salmon Management (OSM) unit of the Oregon Department of Fish and Wildlife (ODFW) monitors the ocean commercial troll salmon and the ocean recreational boat fisheries. The data collected and estimates generated by OSM are used to assist in the development of management strategies to effectively manage Oregon's fisheries resources, and to evaluate proposed ocean salmon fishery regulations.

This report summarizes the activities during the 2001 salmon fishery (April through December) of both sections of OSM: The Commercial Troll Salmon Project (CTSP) and the Ocean Recreational Boat Survey (ORBS). Primary activities within CTSP include: Recovery of coded wire tags (CWT), estimation of average weight of salmon by species and grade, monitoring of quota fishery landings, and estimating catch and effort by area and time. The key functions of ORBS include: Recovery of CWTs; estimating catch by species, port, area, boat type, and time; estimating numbers of fish released for key species; at sea observations of the recreational selective coho fishery; and collection of biological data from several species.

OSM is permanently staffed by a project leader and an assistant project leader at Newport, and two sampling coordinators; one each at Tillamook and Charleston (currently a seasonal position). The sampling coordinators serve as liaison between seasonal field samplers, fishery participants, and program staff at Newport; deliver data and CWTs to Newport; and also provide additional sampling when needed.

The Oregon Coast has twelve substantial ocean ports or access points to the ocean salmon fishery. In 2001, we sampled the commercial troll fishery at seven Oregon coastal ports, and we sampled the recreational ocean boat fishery at all twelve primary ports. To sample the 2001 fisheries, we hired 36 seasonal employees for varying lengths of time to fill thirty-one seasonal positions: five were commercial troll samplers, fourteen were recreational samplers, eight were "combination" commercial-recreational samplers, three were on board observers, and there was one biological sampling coordinator to assist with marine finfish age structure and associated data collection (Appendix Table 1). We also had one employee who processed the data collected. In addition, some samplers were shifted to temporary duties in other ports to cover special sampling needs.

2001 OCEAN TROLL SALMON FISHERY

BACKGROUND

The commercial salmon troll fishery was developing off the Oregon Coast by the year 1912 (Mullen, 1981). By 1919, there were between one and two thousand boats trolling off the mouth of the Columbia River. The State of Oregon began recording troll landings separately from gillnet fisheries in 1925. Of the seven species of Pacific salmon and anadromous trout that are regularly found in the ocean waters off Oregon, coho salmon (*Oncorhynchus kisutch*) and chinook salmon (*Oncorhynchus tshawytscha*) have always made up the vast majority of the catch. Pink salmon (*Oncorhynchus gorbuscha*) can make up a small portion of the catch in odd numbered years, although in some years (most notably 1967, 1969, 1977, 1981, and 1985) they have shown up in substantial numbers (Table 1). Chum salmon (*Oncorhynchus keta*) and steelhead trout (*Oncorhynchus mykiss*) are infrequently caught. Steelhead were classed as a gamefish beginning in 1973 (ORS 496.009), and have not been allowed to be landed or sold in the commercial troll fishery since 1975 (ORS 509.031). Sockeye salmon (*Oncorhynchus nerka*) and cutthroat trout (*Oncorhynchus clarkii*) are rarely caught in the troll salmon fishery, and cutthroat trout are also considered a gamefish and prohibited in the commercial catch.

Landings of ocean troll caught coho salmon remained relatively stable from 1925 to 1941, with landings between 2,000,000 and 4,000,000 pounds (dressed weight: head-on, viscera removed) for most years (Figure 1). From 1942 to 1950 catches remained near 1,000,000 pounds annually, but by 1957 landings had climbed back up to 3,400,000 pounds. The El Niño of 1958-59 resulted in landings dropping back below 1,000,000 pounds or 200,000 fish. During the 1960s and early 1970s, improved hatchery production and rearing techniques, a growing troll fleet, and good ocean survival rates of smolts to adults resulted in record landings that peaked in 1976 with 1,800,000 coho landed. From the mid 1970s and continuing through the 1990s, Oregon's ocean coho fishery was characterized by poor ocean environmental conditions and poor overall survival, increasing management restrictions, and reduced ocean harvest opportunities.

Landings of chinook in the Oregon troll fishery have also seen dramatic fluctuations. The troll chinook fishery had record harvests in 1987 and 1988. Beginning in the late 1980s and continuing through 1999, the troll fishery has seen a general decline in harvest due to decreases in many stocks, concern for critical natural stocks under both state and federal management and the federal Endangered Species Act (ESA), together with increasing allocation conflicts between river and ocean user groups. In addition, recent years have continued the trend in decreasing numbers of participants in the fishery due to decreasing opportunities, and low prices being paid for troll caught salmon (largely a result of competition from pen reared salmon and Alaska salmon fisheries with exceptionally good landings).

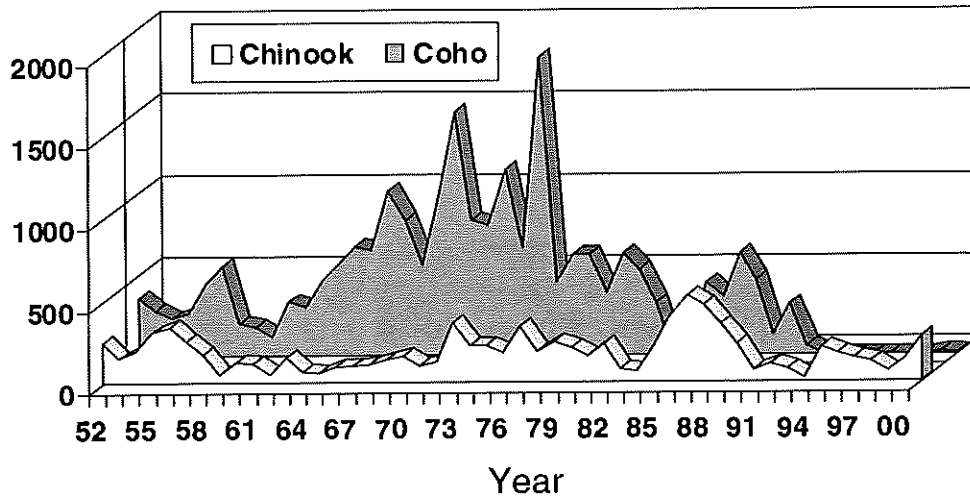
Table 1. Oregon commercial troll salmon effort (deliveries and boat days) and landings (number of fish and pounds dressed), 1952-2001. Includes effort and catches made off California, Washington, and Alaska and landed in Oregon.

Year	Effort		Chinook		Coho		Pink	
	Del.	Bt. Days	No.	Lbs. Dr.	No.	Lbs. Dr.	No. ^a	Lbs. Dr. ^b
1952	-	-	247,747	2,686,323	356,487	2,491,705	1	3
1953	-	-	150,922	1,675,517	274,957	2,041,681	653	3,527
1954	-	-	197,396	1,924,210	227,197	1,508,204	0	0
1955	-	-	309,876	3,219,518	255,951	1,693,561	1,145	6,187
1956	-	-	343,045	3,825,914	443,214	2,781,851	0	0
1957	-	-	256,917	2,630,601	551,074	3,355,135	16,119	87,090
1958	-	-	174,876	1,595,335	196,612	1,165,957	0	0
1959	-	-	53,884	463,217	175,362	873,483	1,036	5,597
1960	-	-	127,834	1,328,362	112,472	731,819	10	54
1961	-	-	116,136	1,227,542	328,817	2,007,231	33	180
1962	-	-	52,559	597,664	293,234	1,870,442	0	0
1963	-	-	152,771	1,407,486	457,710	2,609,320	3,805	20,557
1964	-	-	67,505	628,387	558,109	3,683,144	12	67
1965	-	-	57,724	572,600	666,665	4,202,189	35,194	190,156
1966	-	-	95,569	799,680	646,145	4,488,517	0	0
1967	-	-	99,745	1,115,939	1,003,994	7,201,349	172,546	932,269
1968	-	-	110,150	993,410	825,352	4,398,335	659	3,560
1969	-	-	140,285	1,201,470	557,337	3,171,539	48,050	259,613
1970	-	-	164,688	1,685,028	989,743	7,536,094	162	873
1971	43,934	-	102,926	1,000,710	1,490,122	8,765,148	1,676	9,054
1972	38,354	-	127,287	1,303,729	824,602	4,856,335	21	115
1973	33,378	-	363,267	3,461,321	795,477	5,137,061	2,634	14,229
1974	51,058	-	224,110	2,290,403	1,137,193	7,230,870	13	70
1975	44,627	-	224,708	2,583,326	657,387	4,087,541	167	905
1976	71,868	-	184,345	1,921,577	1,826,968	9,061,161	1,026	5,546
1977	85,086	-	340,014	3,464,945	446,122	2,640,800	73,319	396,144
1978	45,693	-	191,532	1,893,620	611,638	2,778,964	45	244
1979	43,598	49,028	246,153	2,259,676	697,430	4,586,255	20,111	106,248
1980	29,880	39,719	209,009	2,170,873	392,946	2,188,896	524	1,570
1981	35,098	45,334	160,666	1,572,489	622,490	3,324,309	60,173	323,982
1982	26,478	33,715	232,125	2,351,252	518,421	2,708,375	0	0
1983	17,388	22,066	79,541	654,992	319,630	1,097,881	79	231
1984	5,595	7,927	64,302	549,448	13,793	69,806	0	0
1985	15,671	21,005	217,075	2,029,935	84,222	483,827	44,318	258,631
1986	25,696	32,517	402,648	3,370,301	440,398	1,904,649	4	11
1987	30,977	39,480	529,252	5,182,350	354,049	1,915,935	17,648	87,343
1988	40,860	51,007	470,103	4,389,031	623,207	3,335,987	4	11
1989	33,393	42,138	353,509	3,531,858	455,726	1,995,515	3,833	17,629
1990	20,220	26,231	232,439	2,180,867	122,295	633,804	0	0
1991	10,965	14,878	74,620	694,676	307,130	1,411,048	1,779	7,561
1992	6,212	9,224	110,526	1,012,622	49,775	206,622	3	16
1993	6,018	9,471	81,523	760,574	1,672	9,075	12	29
1994	2,426	3,766	25,313	286,638	0	0	0	0
1995	5,012	7,860	214,580	1,940,626	0	0	129	364
1996	5,106	8,485	177,127	1,924,728	8	38	0	0
1997	4,304	7,815	149,710	1,540,004	0	0	48	127
1998	3,748	7,183	125,014	1,397,717	0	0	1	5
1999	3,109	5,116	63,705	722,670	172	850	55	211
2000	4,567	7,520	136,581	1,482,458	12,258	72,794	3	10
2001	6,391	11,193	276,696	2,898,599	9,367	52,371	344	1,192

^a Numbers of pink salmon from 1952-78 are estimated by dividing the pounds landed by the 1979-94 average weight of pink salmon landed in Oregon from 1979-94 (5.403 lbs/per pink salmon).

^b Pounds dressed for pink salmon for the period of 1952-78 is back calculated from round weights landed by dividing total pounds by the standard conversion factor of 1.15. Poundages from this period may also include landings of pinks from other commercial fisheries.

FISH (thousands)



POUNDS DRESSED (thousands)

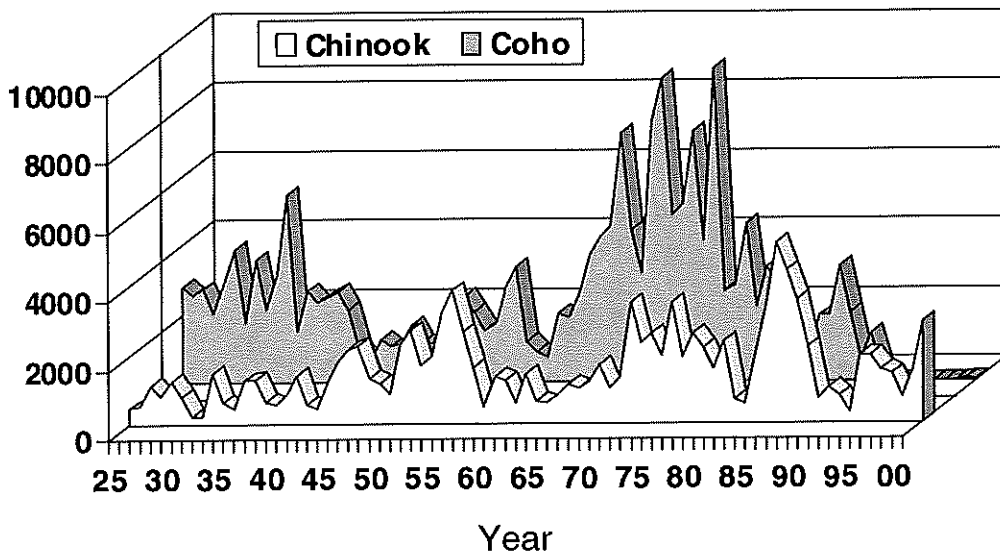


Figure 1. Historical Oregon troll salmon landings in numbers of fish (1952-2001), and in pounds dressed, head on viscera removed (1925-2001).

Historically, coho salmon predominated in the landings, but for the last decade landings of chinook have surpassed the coho catch, and in many years made up the majority of the catch. This is primarily due to low coho survival rates and much higher chinook survival rates and catch in the late 1980s (Figure 1, Table 1). Chinook will continue to predominate in the landings until coho abundance increases enough to allow substantial commercial fisheries to resume.

Entry into the troll fishery was unrestricted until 1980 when a permit moratorium was adopted. Although 4,311 vessels already had Oregon troll permits, a goal of 2,400 vessels licensed to troll for salmon in Oregon was established. The Oregon legislature lowered the troll permit ceiling to 1,800 vessels in 1993. Following recommendations of an industry panel that reviewed the limited entry troll permit status, the 1995 legislature lowered the permit cap further to 1,200. The number of renewed troll permits increased from 1,077 in 2000, to 1,185 in 2001. Of the permitted vessels, only 449 recorded landings of salmon in 2001. As the number of vessels drops below the permit moratorium level, the ODFW is mandated by state law to hold a lottery for available permits.

Following six straight years of coho fishing prohibition in the ocean troll fishery, the first selective coho troll fishery off Oregon was authorized in 2000. A similar season was adopted in 2001. This selective fishery was limited to the area north of Cape Falcon, and trollers could only retain coho that were marked with an adipose fin clip. A portion of July was closed to all salmon trolling in the area from Cape Falcon to Humbug Mountain to reduce incidental hooking mortality impacts on wild coho salmon and chinook stocks of specific concern. The area was split into 2 sub-areas at the Florence South Jetty, and the closures were staggered to allow fishing opportunity during the entire month of July. The areas north of Cape Falcon and south of Humbug Mountain saw limited troll chinook salmon opportunities during the 2001 season (Figure 2).

SAMPLING METHODOLOGY

Sampling Areas and Staffing

For 2001, a seasonal staff of five troll salmon samplers and nine combination (troll/recreational) samplers were deployed at Oregon coastal ports (Appendix Tables 1 and 2). Samplers worked at both permanent and temporary buying stations in Astoria, Garibaldi, Newport, Winchester Bay, Charleston, Port Orford, and Brookings. Troll sampling was also supplemented at times by sampling coordinators, permanent staff, and special assignments to other seasonal samplers.

Sampling Design

Sampling is conducted via an established sampling plan using a stratified random design. Samplers are instructed to sample proportionate landings from trip boats and day boats, from landings throughout the week, and from all major buyers. Sampling data is recorded in the field on handheld data entry computers with software designed

for the collection of the necessary field data. Handheld data is then transferred weekly to the Newport office and downloaded to a computer for summarization and analysis. All individual landings are kept confidential.

Average Weights and Coded Wire Tags

Salmon are sorted and weighed by fish plant personnel. Simultaneously, OSM employees tally fish by species and grade, record corresponding total weights that are taken by the processor, and examine the salmon for clipped adipose fins. A clipped adipose fin has traditionally indicated that the fish has a coded wire tag (CWT) implanted in its snout, although several projects are now using the adipose fin clip to indicate that the fish is a hatchery release without including a CWT.

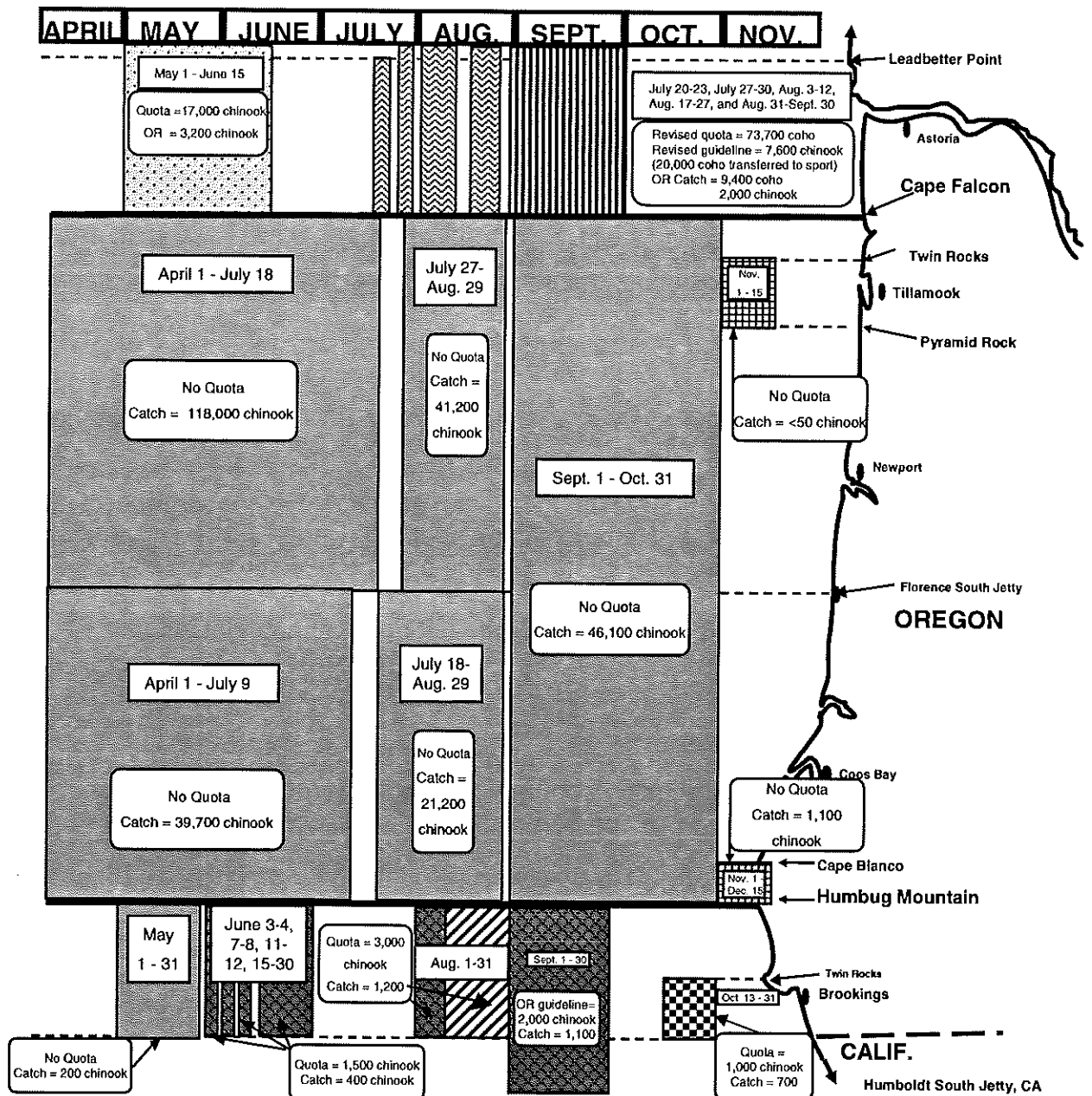
Quota Assessment

The PFMC area ocean salmon harvests are managed to achieve specific spawning escapement goals for regional salmon stocks as adopted by the PFMC, provide for in-river fisheries, and Native American treaty requirements or allocations. Quotas or harvest ceilings for specific time and area fisheries are a primary tool of harvest management. Quotas are set based on estimates of adult recruitment, stock contribution and distribution, anticipated ocean harvest patterns, impacts on critical stocks, and spawning escapement goals.

A fish receiving ticket is required for each troll salmon landing. Estimates of the number of salmon landed are derived by taking poundages from fish receiving tickets and applying average weight data from port sampling. Intensive ocean troll fisheries and quotas make it necessary for managers to be able to monitor catches timely and with reasonable accuracy. Standard processing of fish ticket data may take more than three weeks, and cannot be effectively used for in-season quota management.

To overcome the fish ticket "time lag", OSM developed a commercial troll fishery "key buyer" program in 1983. This program monitors daily or periodic troll landings at major ("key") buyers along the coast as needed to provide assessment of landings under quota managed fisheries. Sampling staff contact major salmon buyers in each port and summarize total pounds of salmon purchased for a specific time period and fishery. The sampler then contacts OSM staff at the Newport office with the poundages and the summarized sample data for the same period. Total poundages landed at key buyers are expanded to account for the buyers who were not contacted. By dividing the estimated poundage of salmon landed within a given port by the average weight from the sampling data for that port, a reasonable estimate of the landings can be made within 24 hours. Key buyers typically represent approximately 90% of the landings and allow for expansion of the landings with minimal error.

Estimates are also made for fish "on the water", and buyer percentages are adjusted in season to reflect current delivery patterns. As "hard data" from the fish ticket system becomes available, it is used to replace the early key buyer "soft data". Assessment of



- All salmon except coho. No more than 4 spreads per line beginning 6/1.
- ⊘ All salmon. All retained coho must have a heated adipose fin clip. Vessel landing limits per open period for chinook of 65 for 7/20-23 and 7/27-30, 100 for 8/3-12, and 150 for 8/17-27.
- ⊘ All salmon. All retained coho must have a heated adipose fin clip. No vessel landing limits.
- ⊘ All salmon except coho. No more than 4 spreads per wire.
- ⊘ All salmon except coho. All salmon must be landed in Gold Beach, Port Orford, or Brookings within 24 hours of each closure. No more than 4 spreads per wire.
- ⊘ All salmon except coho. Daily landing and possession limit of 30 fish. All salmon must be landed in Gold Beach, Port Orford, or Brookings within 24 hours of each closure. No more than 4 spreads per wire.
- ⊘ Chinook only. No more than 4 spreads per wire, state waters only (0-3 miles).
- ⊘ Chinook only. No more than 4 spreads per wire, state waters only (0-3 miles). Twenty fish single day possession and landing limit.

Figure 2. Commercial ocean troll seasons, quotas, and landings off Oregon, 2001.

fish on the water becomes less precise as the level of trip boat participation increases, and can be complicated by buyer boats, freezer boats, individual fish sellers, out of area landings, and mobile buying stations.

REGULATIONS AND SEASON LANDINGS

Ocean salmon regulations are set by the PFMC for all ocean salmon fisheries in the Exclusive Economic Zone (EEZ) from 3 to 200 miles. For state waters (0 to 3 miles), ocean salmon regulations are set by the Oregon Fish and Wildlife Commission (OFWC) within the ocean salmon harvest impact guidelines established by the PFMC. Special chinook salmon only fisheries are set by the OFWC for state waters within 3 miles of shore. These are typically fisheries to target returning stocks of fall chinook.

All 2001, Oregon ocean troll salmon fisheries were restricted to gear containing single point, single shank barbless hooks, and south of Cape Falcon fishers were limited to no more than four terminal gear spreads per wire. Coho were prohibited in all seasons except for a limited hatchery selective fishery North of Cape Falcon in July, August, and September. Minimum length restrictions were 16 inches total length for coho, 28 inches total length for chinook caught north of Cape Falcon and 26 inches for chinook caught south of Cape Falcon (Figure 2, Appendix Table 3).

U.S./Canada Border to Cape Falcon

The season was structured to be open for all-salmon-except-coho from May 1 through the earlier of June 30 or quota of 17,000 chinook. The fishery was opened as scheduled, and closed June 15 due to the attainment of the quota (46 fishing days). The Columbia River Control Zone was closed to all salmon fishing. A total of 3,174 chinook from this season were landed in Oregon.

Queets River to Cape Falcon

This was the only coho retention fishery authorized during the 2001 season. The fishery was structured pre-season with quotas of 63,000 adipose fin clipped coho and 6,000 chinook, and was to open the earlier of July 28 or the closing of the U.S./Canada border to Leadbetter Point, Washington July troll fishery, but not before July 20. The fishery was to open on a continuous fishing schedule until 75% of either quota was reached, then revert to a 4 days open and 3 days closed format and continue through the earlier of quota or September 30. Quota adjustments prior to the season resulted in a quota of 7,600 chinook and 73,700 coho. Do to higher than expected catch rates during the previous ocean troll season and the recreational fishery, this season opened on July 20 on a 4 days open and 3 days closed cycle. The season was open for the first two periods of July 20-23 and July 27-30 with a 65 chinook landing limit per vessel for each open period. The next open period was August 3-12 with a 100 chinook landing limit per vessel for the open period. The fishery was open August 17-27 with a 150 chinook landing limit per vessel for the open period. The final open period was

August 31-September 30 with no landing limit. This resulted in 60 open days. During this season vessels were required to land and deliver their catch within 24 hours of any closure within the open area or an adjacent closed area. The Columbia River Control Zone was closed to all salmon fishing. A total of 9,367 coho and 2,007 chinook were landed in Oregon during this season.

Cape Falcon to Humbug Mountain

The area from Cape Falcon to Humbug Mountain was open for all-salmon-except-coho, and the area was divided at the Florence South Jetty. The usual July closure was staggered to provide continuous fishing opportunity. The north portion was open April 1-July 18, July 27-August 29, and September 1-October 31 (204 fishing days). The south portion was open April 1-July 9, July 18-August 29, and September 1-October 31 (204 fishing days). There were no chinook quota restrictions in this area, and no in-season adjustments to the regulations. A control zone (Appendix Figure 1) off the mouth of Tillamook Bay was closed April 1-30 and June 1 through August 31 to limit catch on locally depressed stocks of spring chinook through June, and to reduce incidental hooking mortality on coho from July through August (Appendix Figure 1). Chinook landings for the area of Cape Falcon to the Florence South Jetty for the periods of April 1-July 18, July 27-August 29, and September 1-October 31 were 117,953, 41,185, and 35,855 respectively. Chinook landings for the area of the Florence South Jetty to Humbug Mountain for the periods of April 1-July 9, July 18-August 29 and September 1-October 31 were 39,688, 21,213, and 10,286 respectively.

A state waters (0-3 miles) chinook fishery was established by the OFWC off Tillamook Bay to target returning fall chinook. This fishery was open for chinook only from Twin Rocks to Pyramid Rock from November 1 through 15 (15 fishing days) without quota limitations. Total catch in this season was estimated at 8 chinook.

A chinook only season was authorized by the OFWC for state waters (0-3 miles) for the area from Cape Blanco to Humbug Mountain to target fall chinook returning to the Elk River. The fishery was open from November 1 through December 15 (45 fishing days) with no chinook quota limitation. All chinook were required to be landed in Port Orford. An estimated 1,085 chinook were caught in this season.

Humbug Mountain to Oregon - California Border

An all-salmon-except-coho season from Humbug Mountain to the Oregon-California border was open May 1-31 (31 fishing days). This season was open without quota and had a catch of 233 chinook.

An all-salmon-except-coho season was scheduled to be open June 3 through the earlier of June 30 or quota of 1,500 chinook. The fishery opened June 3 on a cycle of two days open and two days closed, with a daily possession and landing limit of 30 chinook. All fish were required to be landed into Port Orford, Gold Beach, or Brookings and within 24 hours of any closure. The fishery ran on this cycle until June 15 when it

opened to continuous fishing and closed on the scheduled closing date of June 30 with a season catch of 362 chinook (22 fishing days).

An all-salmon-except-coho season was scheduled to be open August 1 through the earlier of August 31 or quota of 3,000 chinook. The fishery opened on August 1 with a single daily landing and possession limit of 30 fish, which was removed August 9. Vessels were required to land and deliver their fish into Port Orford, Gold Beach, or Brookings within 24 hours of each closure. The fishery ended on the scheduled ending date (31 fishing days) with an estimated 1,164 chinook landed in this season.

A chinook only season was authorized by the OFWC for state waters (0-3 miles) for the area from Twin Rocks to the OR/CA border. This fishery was scheduled to open October 13 and continue through the earlier of October 31 or the quota of 1,000 chinook. A single daily landing limit of 20 fish per vessel was in effect to help keep the fishery manageable. The fishery closed on the scheduled closing date (19 fishing days). All chinook were required to be landed into Brookings, and landings totaled 728 chinook.

Humbug Mountain to Humboldt South Jetty, California

An all-salmon-except-coho season was scheduled to run from September 1 through the earlier of September 30 or 8,000 chinook quota for waters from Humbug Mountain, Oregon to the Humboldt South Jetty, California. Landings into Oregon were limited to no more than 2,000 chinook out of the total quota. Vessels were further limited by a daily landing and possession limit of 30 chinook per vessel, and required to land and deliver their fish within the open area. The open area off Oregon closed on the scheduled closing date of September 30 (30 fishing days). An estimated 1,112 chinook were landed in Oregon during this season.

EFFORT AND CATCH STATISTICS

Landed poundage, dollar value, area of catch, and days fished were obtained directly from Oregon's commercial fish receiving tickets. Pounds landed were converted to number of fish by using average weight information collected by port samplers. Prior to 1979, all Oregon troll catch statistics were reported by port of landing. Beginning in 1979, catch and effort estimates have also been reported by ocean catch area (Figure 3). Landings are allocated to correct catch areas to properly assess ocean fishery impacts. Area of catch data are recorded on fish tickets by buyers and are cross-checked with available CTSP sampling data.

Effort

Historically, Oregon's troll effort has been estimated in vessel deliveries and, since 1979, in boat days. Troll effort for 2001 totaled 11,193 boat days. This is a 49%

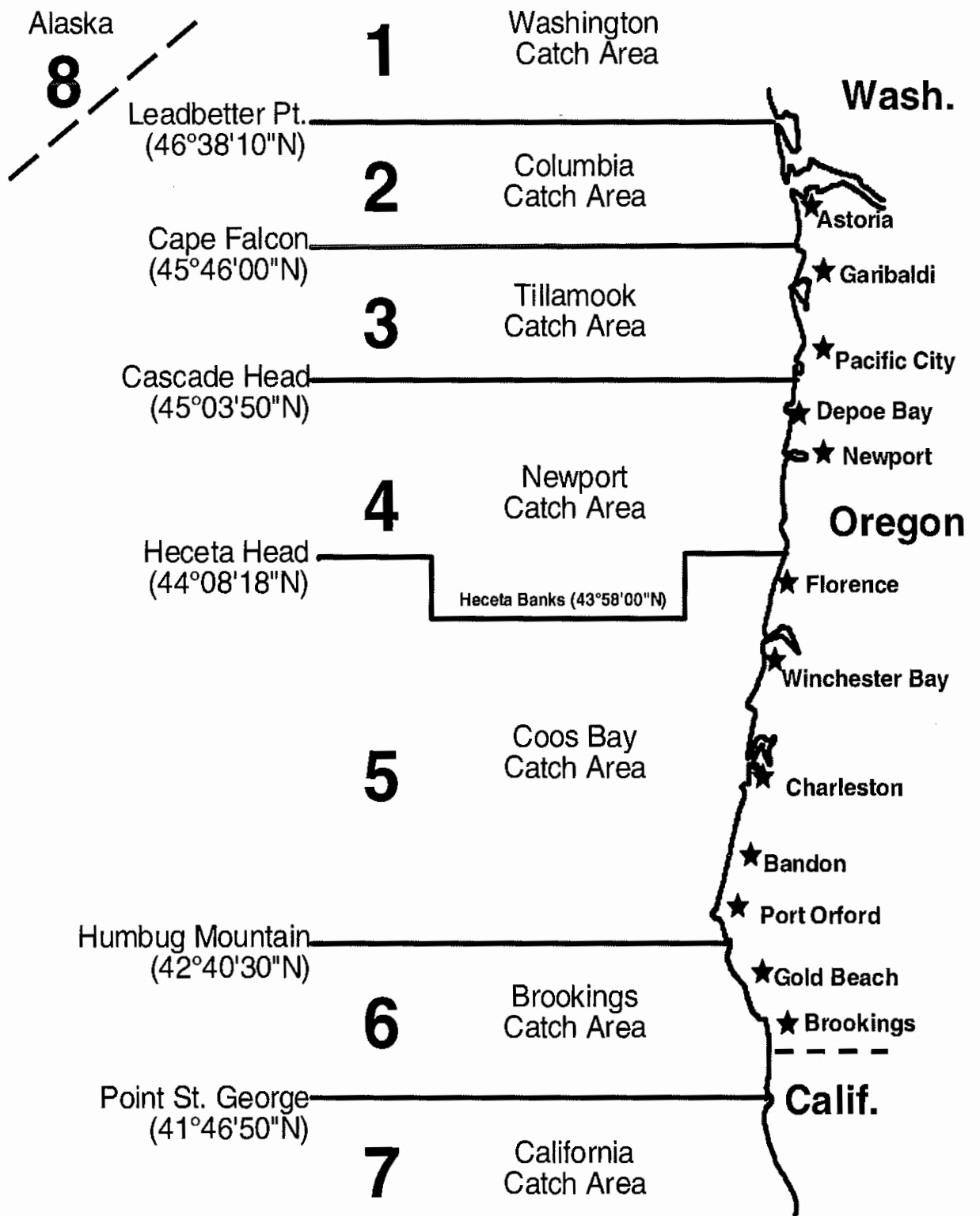


Figure 3. Oregon salmon catch areas and major ports.

increase over the 2000 effort of 7,520 boat days, but is still only 50% of the 1979-2000 average of 22,340 boat days. The continued low effort level was due in part to continued poor prices being paid for chinook, extremely limited coho fishing opportunities, and time and area closures to limit hooking mortality impacts on coho and chinook stocks of specific concern.

Newport had the most effort in 2001 with 5,248 boat days; a 95% increase over the effort of 2,697 boat days observed in 2000, and accounted for 47% of the coastwide effort in 2001 (Figure 4, and Appendix Tables 4). All Oregon catch areas with the exception of the Columbia River showed increased effort over the 2000 season. The Columbia River area had 242 boat days of effort which is an 11% decrease from the 271 boat days of effort in 2000.

Historically, peak effort levels have occurred during the general coho season in July and August. In recent years, that trend has been less evident due to severely reduced coho opportunity and closures in July and August. In 2001, August accounted for 21%, May 19%, June 18%, and July 13% of the fishing effort (Figure 4).

Landings

Chinook: The 2001 Oregon ocean troll chinook catch totaled 276,696 fish. This was a 103% increase over the catch of 136,581 chinook in 2000, and was a 40% increase over the 1979-2000 average of 198,100 chinook (Table 1; and Appendix Tables 5 and 6). Total 2001 season landings in pounds of dressed chinook (head on, gills and viscera removed) was 2,898,599 lbs. (Table 2), and was a 96% increase from the 2000 deliveries of 1,482,500 lbs.

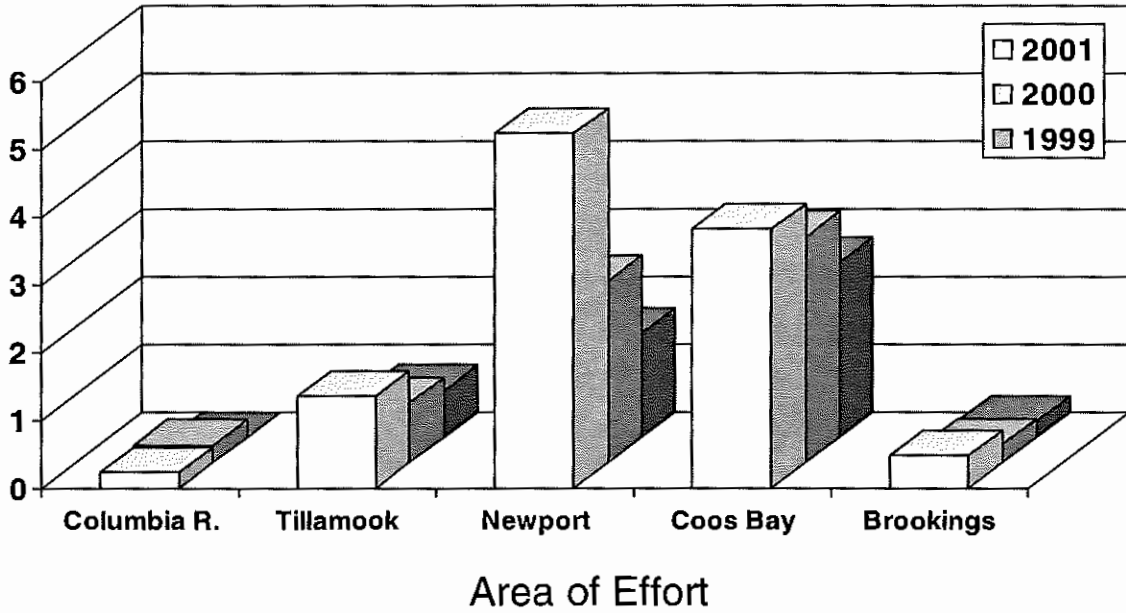
Most chinook were caught in the Newport catch area with landings of 168,644 fish (61%), and showed an increase of 244% over the 2000 catch of 49,011 chinook. All catch areas showed increases in 2001 chinook landings when compared to 2000 (Figure 5).

Table 2. Oregon commercial troll chinook salmon landings in pounds dressed, by calendar month, and port of landing, 2001.

Port	Month										Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
Astoria	3,694	9,670	33,384	14,518	5,158	3,139	-	-	-	-	69,563
Gearhart/Seaside	0	0	0	188	186	0	-	-	-	-	374
Cannon Beach	0	0	0	1,950	1,350	129	-	-	-	-	3,429
Garibaldi	3,701	6,898	37,478	60,314	60,397	38,118	13,760	131	-	-	220,797
Pacific City	0	0	168	632	621	168	198	-	-	-	1,787
Depoe Bay	26	404	532	686	888	1,679	1,330	-	-	-	5,545
Newport	90,656	409,101	318,881	243,089	343,863	179,434	83,696	-	-	-	1,668,720
Florence	20,334	55,326	15,460	12,139	23,218	14,608	1,107	-	-	-	142,192
Winchester Bay	5,379	20,744	9,765	19,535	7,904	2,838	2,341	-	-	-	68,506
Charleston	60,671	101,413	92,243	144,769	73,060	40,859	23,840	-	-	-	536,855
Bandon	1,068	2,968	5,768	12,805	5,272	636	0	-	-	-	28,517
Port Orford	4,631	1,855	2,694	1,667	25,496	16,506	23,787	14,619	277	-	91,532
Gold Beach	463	24	1,038	2,196	1,326	1,648	555	-	-	-	7,250
Brookings	1,471	2,266	3,778	21	14,910	15,075	16,011	-	-	-	53,532
Total	192,094	610,669	521,189	514,509	563,649	314,837	166,625	14,750	277	-	2,898,599

Effort

BOAT DAYS (thousands)



BOAT DAYS (thousands)

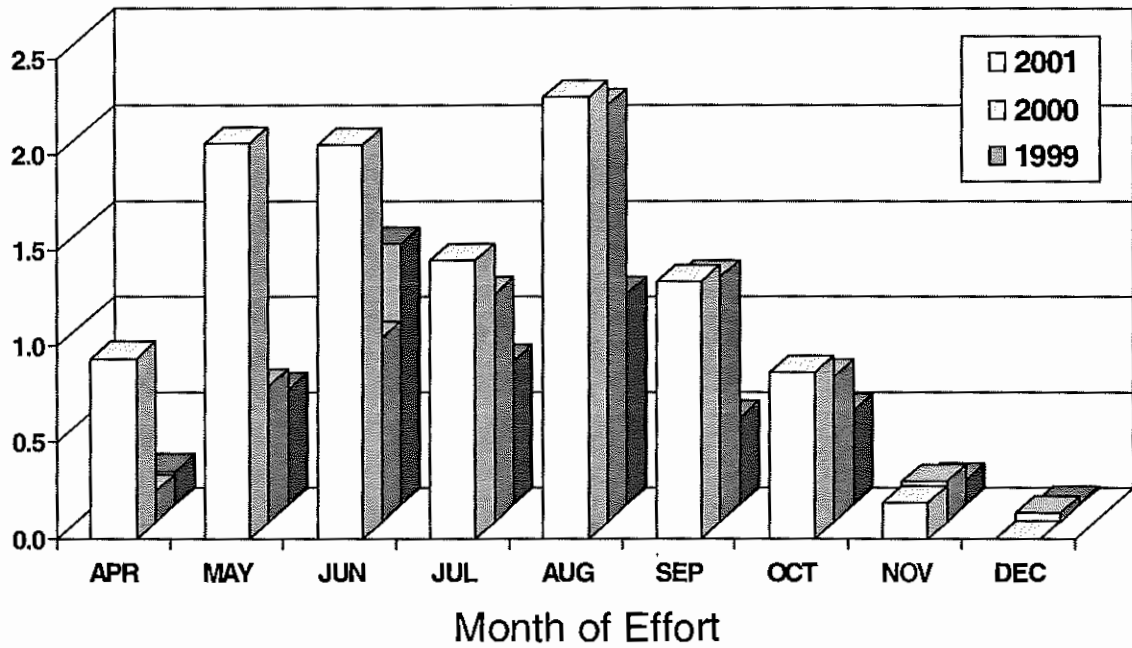


Figure 4. Oregon commercial ocean troll salmon effort in boat days by area of effort and by month, 1999 - 2001.

Chinook

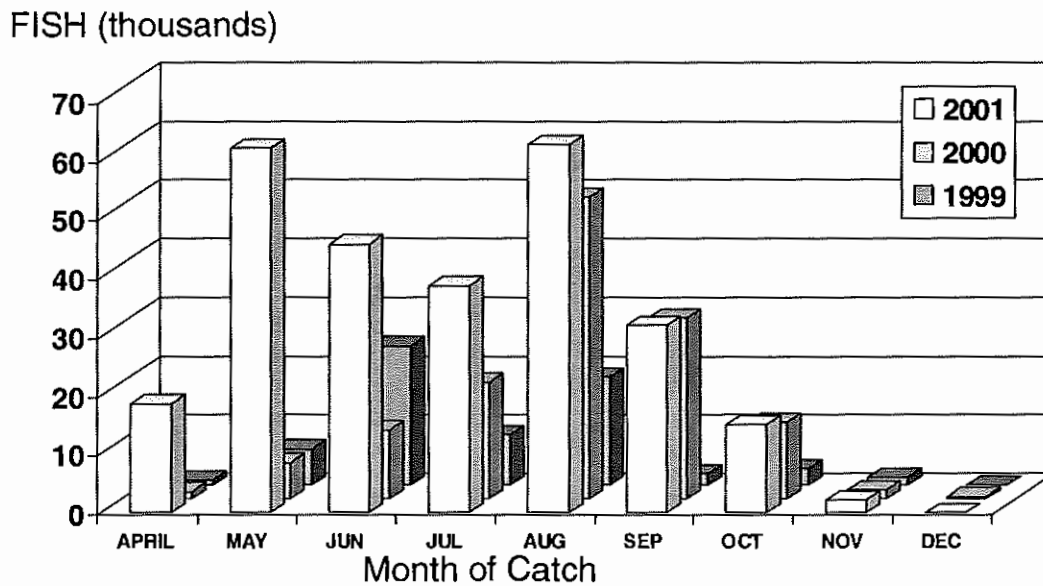
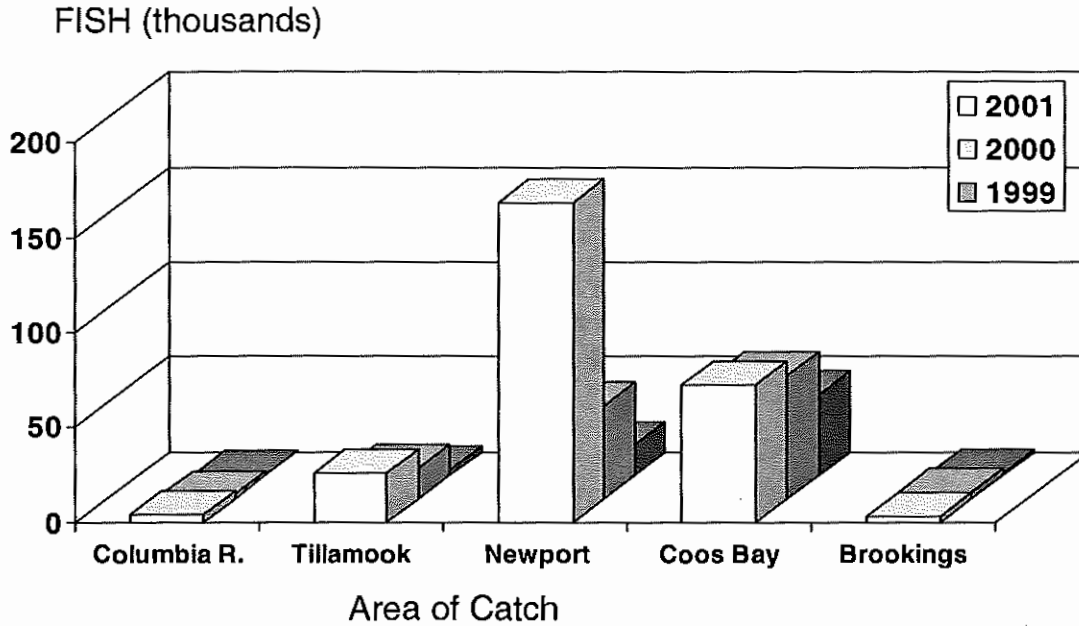


Figure 5. Oregon commercial ocean troll chinook landings by area of catch and by month, 1999 - 2001.

Historically, July has been the month of greatest chinook landings. However, in recent years a general statewide closure has been instituted during part or all of July in order to reduce hook and release mortality on coho and chinook stocks of specific concern. In 2001, 21% of the chinook were landed in May, 19% in August, and 18% in June (Table 2).

Coho: The 2001 Oregon ocean troll coho landings totaled 9,367 fish. This was a 24% decrease from the 2000 catch of 12,258 fish (Table 1 and Figure 6). This was only the second authorized troll coho season in Oregon ocean waters since 1993. Only hatchery coho with an adipose fin clip were allowed to be retained. All non-clipped hatchery and natural coho were required to be released. All catch occurred in the Columbia River catch area. A total of 52,371 pounds of dressed coho (head on, gills and viscera removed) were landed in 2001 (Table 3). This was a 28% decrease from the 2000 landings of 72,794 pounds.

Table 3. Oregon commercial troll coho salmon landings in pounds dressed, by calendar month, and port of landing, 2001.

Port	Month					Total
	June	July	Aug.	Sept.	Oct.	
Astoria	-	13,961	15,007	12,986	-	41,954
Gearhart/Seaside	-	622	1,068	0	-	1,690
Cannon Beach	-	2,972	2,697	590	-	6,259
Garibaldi	-	494	-	-	-	494
Pacific City	-	-	-	-	-	0
Depoe Bay	-	-	-	-	-	0
Newport	-	1,974	-	-	-	1,974
Florence	-	-	-	-	-	0
Winchester Bay	-	-	-	-	-	0
Charleston	-	-	-	-	-	0
Bandon	-	-	-	-	-	0
Port Orford	-	-	-	-	-	0
Gold Beach	-	-	-	-	-	0
Brookings	-	-	-	-	-	0
Total	0	20,023	18,772	13,576	0	52,371

AVERAGE WEIGHT DATA

Average ocean troll salmon weight data is collected from most ports by OSM port samplers and allows for conversion of fish ticket poundage information to numbers of fish. The 2001 seasonal average dressed weight (head on, viscera removed) for chinook was 10.5 pounds (Table 4). This was comparable to the 10.9 pound average weight observed in 2000, but is substantially above the 9.6 pound average for the period of 1979-2000 (Table 1). Chinook average weights have remained above the 1952-00 average weight of 9.9 pounds every year since 1996.

Coho

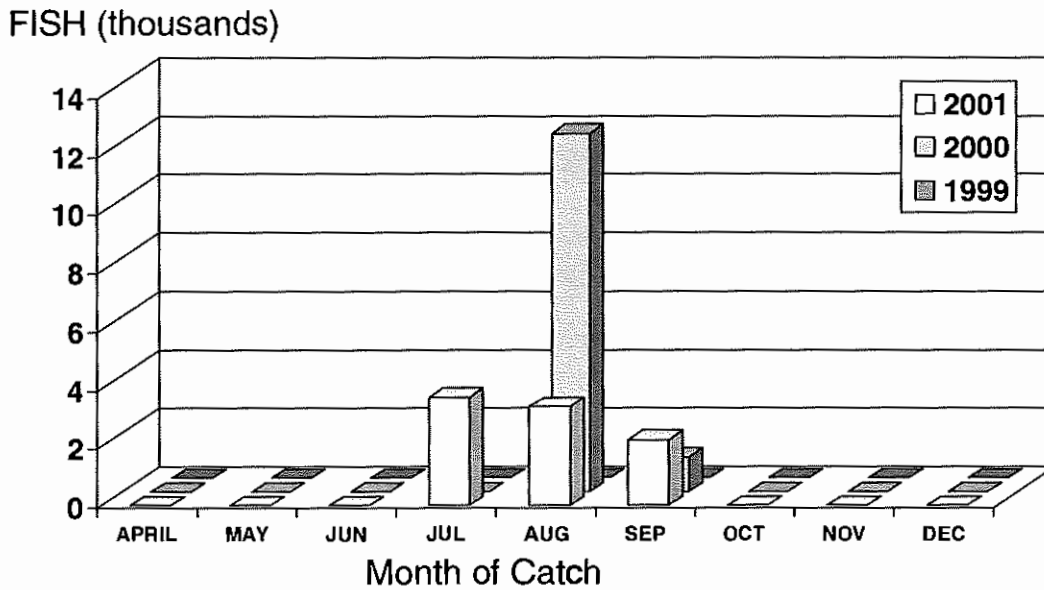
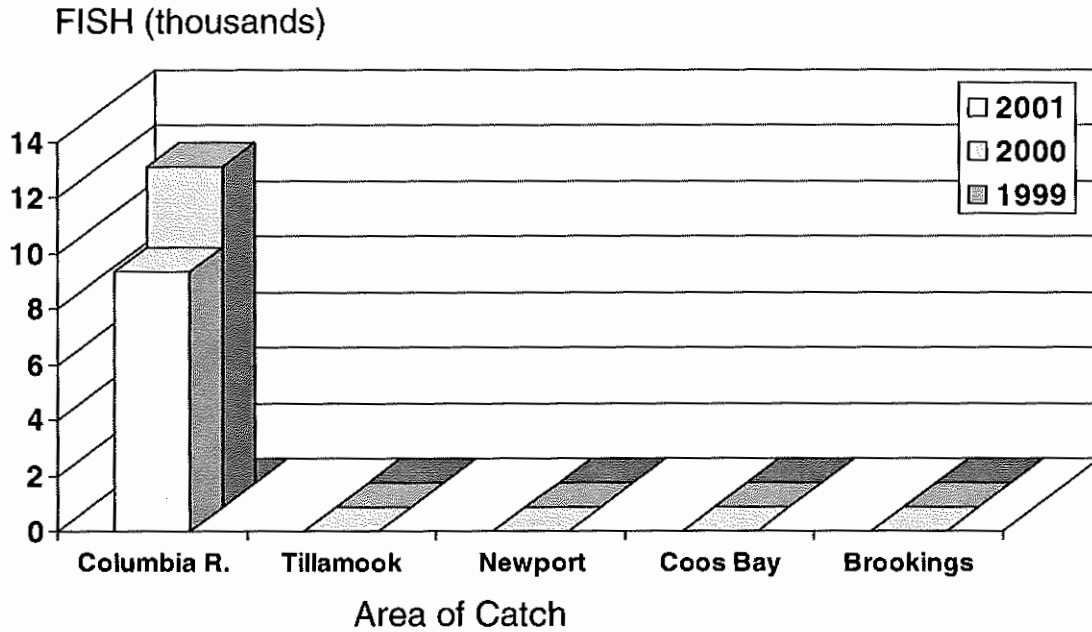


Figure 6. Oregon commercial ocean troll coho landings by area of catch and by month, 1999 - 2001.

Table 4. Observed average dressed weight and calculated number of chinook landed in the Oregon ocean commercial troll fishery by calendar month and area of catch, 2001.

Area of Landing	Month									Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
<u>Columbia R.</u>										
Numbers	-	223	1,861	1,112	563	332	-	-	-	4,091
Pounds	-	2,862	18,831	11,085	6,694	3,268	-	-	-	42,740
Avg. wt.	-	12.8	10.1	10.0	11.9	9.8	-	-	-	10.4
<u>Tillamook</u>										
Numbers	797	912	4,557	8,346	6,311	3,967	1,459	8	-	26,357
Pounds	6,928	8,904	44,166	77,920	62,169	39,879	13,958	131	-	254,055
Avg. wt.	8.7	9.8	9.7	9.3	9.9	10.1	9.6	16.4	-	9.6
<u>Newport</u>										
Numbers	8,536	40,450	32,805	22,169	34,255	20,428	10,001	-	-	168,644
Pounds	89,917	440,065	336,175	238,569	361,253	189,437	91,084	-	-	1,746,500
Avg. wt.	10.5	10.9	10.2	10.8	10.5	9.3	9.1	-	-	10.4
<u>Coos Bay</u>										
Numbers	9,242	13,775	10,469	17,068	10,347	6,361	3,925	1,064	21	72,272
Pounds	95,249	149,089	110,129	185,349	118,235	67,689	45,886	14,619	277	786,522
Avg. wt.	10.3	10.8	10.5	10.9	11.4	10.6	11.7	13.7	13.2	10.9
<u>Brookings</u>										
Numbers	-	233	362	-	1,164	1,112	729	-	-	3,599
Pounds	-	1,844	4,392	-	15,298	14,512	15,697	-	-	51,743
Avg. wt.	-	7.9	12.1	-	13.1	13.1	21.5	-	-	14.4
<u>Oregon Subtotal</u>										
Numbers	18,575	55,593	50,054	48,695	52,640	32,200	16,114	1,072	21	274,963
Pounds	192,094	602,764	513,693	512,923	563,649	314,785	166,625	14,750	277	2,881,560
Avg. wt.	10.3	10.8	10.3	10.5	10.7	9.8	10.3	13.8	13.2	10.5
<u>Alaska</u>										
Numbers	-	-	-	-	-	-	-	-	-	-
Pounds	-	-	-	-	-	-	-	-	-	-
Avg. wt.	-	-	-	-	-	-	-	-	-	-
<u>Washington</u>										
Numbers	-	342	748	104	-	-	-	-	-	1,194
Pounds	-	3,509	7,496	1,122	-	-	-	-	-	12,127
Avg. wt.	-	10.3	10.0	10.8	-	-	-	-	-	10.2
<u>California</u>										
Numbers	-	488	-	45	-	6	-	-	-	539
Pounds	-	4,396	-	464	-	52	-	-	-	4,912
Avg. wt.	-	9.0	-	10.3	-	8.7	-	-	-	9.1
<u>Total</u>										
Numbers	18,575	56,423	50,802	48,844	52,640	32,206	16,114	1,072	21	276,696
Pounds	192,094	610,669	521,189	514,509	563,649	314,837	166,625	14,750	277	2,898,599
Avg. wt.	10.3	10.8	10.3	10.5	10.7	9.8	10.3	13.8	13.2	10.5

Table 5. Observed average dressed weight and calculated number of coho landed in the Oregon ocean commercial troll fishery by calendar month and area of catch, 2001.

Area of Landing	Month					Total
	June	July	Aug.	Sept.	Oct.	
<u>Columbia R.</u>						
Numbers	-	4,007	3,052	2,274	-	9,333
Pounds	-	19,839	18,772	13,576	-	52,187
Avg. wt.	-	5.0	6.2	6.0	-	5.6
<u>Tillamook</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Avg. wt.	-	-	-	-	-	-
<u>Newport</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Avg. wt.	-	-	-	-	-	-
<u>Coos Bay</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Avg. wt.	-	-	-	-	-	-
<u>Brookings</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Avg. wt.	-	-	-	-	-	-
<u>Oregon Subtotal</u>						
Numbers	-	4,007	3,052	2,274	-	9,333
Pounds	-	19,839	18,772	13,576	-	52,187
Avg. wt.	-	5.0	6.2	6.0	-	5.6
<u>Alaska</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Avg. wt.	-	-	-	-	-	-
<u>Washington</u>						
Numbers	-	34	-	-	-	34
Pounds	-	184	-	-	-	184
Avg. wt.	-	5.4	-	-	-	5.4
<u>California</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Avg. wt.	-	-	-	-	-	-
<u>Total</u>						
Numbers	-	4,041	3,052	2,274	-	9,367
Pounds	-	20,023	18,772	13,576	-	52,371
Avg. wt.	-	5.0	6.2	6.0	-	5.6

Average weight for troll caught coho salmon during the 2001 season was 5.6 pounds (Table 5). This was comparable to the 2000 average of 5.9 pounds, however varied open time periods for the coho seasons makes for difficult comparisons between years.

THE DOLLAR VALUE OF OCEAN SALMON LANDINGS

The 2001 Oregon troll chinook landings had an ex-vessel value of \$4,680,479. This was a 56% increase from the \$2,991,953 ex-vessel value in 2000. The 2001 average price of \$1.61 per pound was down 25% from the 2000 average price of \$2.01 per pound (values are not corrected for inflation) (Appendix Table 8).

CODED WIRE TAG SAMPLING

In 2001, OSM samplers examined 88,428 chinook (32%) from the troll fishery for CWTs (Table 6), of which 9.0% or 7,945 chinook were marked (adipose fin clipped). Technicians recovered readable tags from 5,686 snouts (72%). Most of the recovered CWTs were released by California Department of Water Resources (56%), US Fish and Wildlife Service (14%), East Bay Municipal Utilities District, California (12%), Washington Department of Fish and Wildlife (6%), Oregon Department of Fish and Wildlife (5%), and California Department of Fish and Game (5%). Most of the recovered CWTs were from releases in California's Sacramento/ San Joaquin Basin (87%) and the Columbia Basin (including the Snake River) (10%) (Figure 7a).

OSM samplers in 2001 also examined 3,711 coho (40%) taken in the troll selective coho fishery for the presence of CWTs (Table 7). A total of 204 snouts (5.5%) were recovered, and technicians recovered readable CWTs from 196 snouts (96%). The majority of the recovered CWTs were released by Washington Department of Fish and Wildlife (58%), Oregon Department of Fish and Wildlife (24%), and US Fish and Wildlife Service (13%). The basins contributing the most CWTs were the Columbia River (74%) and Washington Coastal basins (12%) (Figure 7b).

SPECIAL FISHERIES AND STUDIES

Tillamook State Waters Chinook Fishery

A terminal ocean troll chinook fishery designed to target returning healthy fall chinook stocks to tributaries of Tillamook Bay (Miami, Kilchis, Wilson, Trask, and Tillamook rivers), was adopted for the period of November 1-15. Weather conditions at this time of year often are marginal. During the 2001 November troll season extension off Tillamook, a total of 8 chinook were landed. No coded wire tags were recovered.

Table 6. Oregon ocean commercial troll chinook mark sampling by statistical month and port of landing, 2001.

Port of Landing	Month									Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
<u>Astoria</u>										
No. Examined	0	0	0	204	388	25	-	-	-	617
No. Landed	410	1,094	3,133	1,259	618	315	-	-	-	6,829
% Examined	0.0	0.0	0.0	16.2	62.8	7.9	-	-	-	9.0
No. Marks	0	0	0	21	33	1	-	-	-	55
<u>Gearhart/Seaside</u>										
No. Examined	0	0	0	0	0	0	-	-	-	0
No. Landed	0	0	0	17	15	0	-	-	-	32
% Examined	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0
No. Marks	0	0	0	0	0	0	-	-	-	0
<u>Cannon Beach</u>										
No. Examined	0	0	0	0	0	0	-	-	-	0
No. Landed	0	0	0	202	120	14	-	-	-	336
% Examined	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0
No. Marks	0	0	0	0	0	0	-	-	-	0
<u>Garibaldi</u>										
No. Examined	232	85	687	1,427	672	484	88	0	-	3,675
No. Landed	443	741	4,084	5,863	6,615	3,798	1,413	42	-	22,999
% Examined	52.4	11.5	16.8	24.3	10.2	12.7	6.2	0.0	-	16.0
No. Marks	23	9	99	168	71	69	10	0	-	449
<u>Pacific City</u>										
No. Examined	0	0	0	0	0	0	0	0	-	0
No. Landed	0	0	15	63	55	8	12	0	-	153
% Examined	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
No. Marks	0	0	0	0	0	0	0	0	-	0
<u>Depoe Bay</u>										
No. Examined	0	0	0	0	0	0	0	0	-	0
No. Landed	2	39	59	56	84	182	142	6	-	570
% Examined	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
No. Marks	0	0	0	0	0	0	0	0	-	0
<u>Newport</u>										
No. Examined	2,758	14,183	7,654	7,336	14,217	9,139	1,810	0	-	57,097
No. Landed	8,618	42,323	26,595	16,504	38,751	19,231	8,457	750	-	161,229
% Examined	32.0	33.5	28.8	44.4	36.7	47.5	21.4	0.0	-	35.4
No. Marks	236	1,149	746	832	1,251	896	227	0	-	5,337
<u>Florence</u>										
No. Examined	0	0	0	0	76	0	0	0	-	76
No. Landed	1,910	5,050	1,216	777	2,646	1,547	126	0	-	13,272
% Examined	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	0.6
No. Marks	0	0	0	0	0	0	0	0	-	0

Table 6 continued. Commercial troll chinook mark sampling.

Port of Landing	Month									Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
<u>Winchester Bay</u>										
No. Examined	0	1,182	308	126	93	0	0	0	-	1,709
No. Landed	507	2,004	936	2,115	1,033	249	256	6	-	7,106
% Examined	0.0	59.0	32.9	6.0	9.0	0.0	0.0	0.0	-	24.1
No. Marks	0	110	35	9	6	0	0	0	-	160
<u>Charleston</u>										
No. Examined	932	5,519	5,381	4,984	3,784	1,870	421	14	-	22,905
No. Landed	5,884	9,985	8,623	10,534	8,464	3,745	2,418	134	-	49,787
% Examined	15.8	55.3	62.4	47.3	44.7	49.9	17.4	10.4	-	46.0
No. Marks	50	420	351	376	299	165	34	2	-	1,697
<u>Bandon</u>										
No. Examined	0	0	0	0	0	0	0	0	-	0
No. Landed	103	284	516	946	616	51	0	0	-	2,516
% Examined	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
No. Marks	0	0	0	0	0	0	0	0	-	0
<u>Port Orford</u>										
No. Examined	0	0	0	0	357	253	50	122	0	782
No. Landed	476	262	115	146	2,346	1,549	1,459	1,163	21	7,537
% Examined	0.0	0.0	0.0	0.0	15.2	16.3	3.4	10.5	0.0	10.4
No. Marks	0	0	0	0	31	33	33	54	0	151
<u>Gold Beach</u>										
No. Examined	0	0	0	6	0	0	0	0	-	6
No. Landed	42	2	76	129	158	129	47	0	-	583
% Examined	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	-	1.0
No. Marks	0	0	0	0	0	0	0	0	-	0
<u>Brookings</u>										
No. Examined	0	42	170	0	549	419	350	31	-	1,561
No. Landed	141	274	309	3	1,229	1,037	713	41	-	3,747
% Examined	0.0	15.3	55.0	0.0	44.7	40.4	49.1	75.6	-	41.7
No. Marks	0	4	9	0	42	29	12	0	-	96
<u>Total</u>										
No. Examined	3,922	21,011	14,200	14,083	20,136	12,190	2,719	167	0	88,428
No. Landed	18,536	62,058	45,677	38,614	62,750	31,855	15,043	2,142	21	276,696
% Examined	21.2	33.9	31.1	36.5	32.1	38.3	18.1	7.8	0.0	32.0
No. Marks	309	1,692	1,240	1,406	1,733	1,193	316	56	0	7,945

Table 7. Oregon ocean commercial troll coho mark sampling by statistical month and port of landing, 2001.

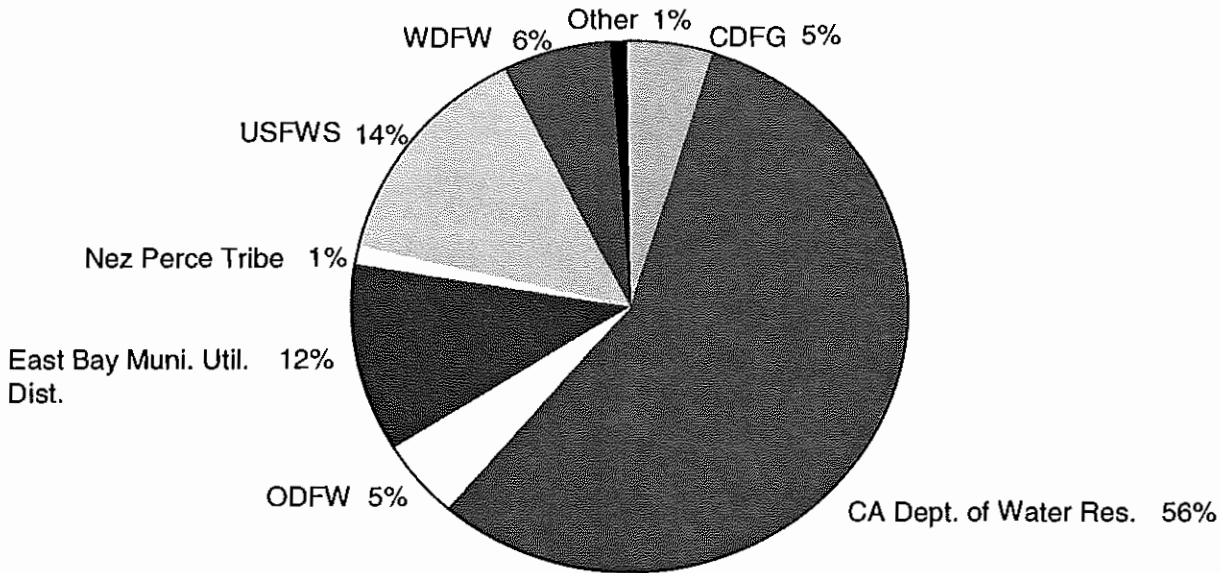
Port of Landing	Month									Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
<u>Astoria</u>										
No. Examined	-	-	-	1,514	1,626	114	-	-	-	3,254
No. Landed	-	-	-	3,129	3,191	2,256	-	-	-	8,576
% Examined	-	-	-	48.4	51.0	5.1	-	-	-	37.9
No. Marks	-	-	-	91	75	4	-	-	-	170
<u>Gearhart/Seaside</u>										
No. Examined	-	-	-	0	0	0	-	-	-	0
No. Landed	-	-	-	136	185	0	-	-	-	321
% Examined	-	-	-	0.0	0.0	0.0	-	-	-	0.0
No. Marks	-	-	-	0	0	0	-	-	-	0
<u>Garibaldi</u>										
No. Examined	-	-	-	85	-	-	-	-	-	85
No. Landed	-	-	-	98	-	-	-	-	-	98
% Examined	-	-	-	86.7	-	-	-	-	-	86.7
No. Marks	-	-	-	5	-	-	-	-	-	5
<u>Pacific City</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0.0
No. Marks	-	-	-	-	-	-	-	-	-	0
<u>Depoe Bay</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0.0
No. Marks	-	-	-	-	-	-	-	-	-	0
<u>Newport</u>										
No. Examined	-	-	-	372	-	-	-	-	-	372
No. Landed	-	-	-	372	-	-	-	-	-	372
% Examined	-	-	-	100.0	-	-	-	-	-	100.0
No. Marks	-	-	-	29	-	-	-	-	-	29
<u>Florence</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0.0
No. Marks	-	-	-	-	-	-	-	-	-	0

Table 7 continued. Commercial troll coho mark sampling.

Port of Landing	Month									Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
<u>Winchester Bay</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0.0
No. Marks	-	-	-	-	-	-	-	-	-	0
<u>Charleston</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0.0
No. Marks	-	-	-	-	-	-	-	-	-	0
<u>Bandon</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0.0
No. Marks	-	-	-	-	-	-	-	-	-	0
<u>Port Orford</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0.0
No. Marks	-	-	-	-	-	-	-	-	-	0
<u>Gold Beach</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0.0
No. Marks	-	-	-	-	-	-	-	-	-	0
<u>Brookings</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0.0
No. Marks	-	-	-	-	-	-	-	-	-	0
<u>Total</u>										
No. Examined	0	0	0	1,971	1,626	114	0	0	0	3,711
No. Landed	0	0	0	3,735	3,376	2,256	0	0	0	9,367
% Examined	0.0	0.0	0.0	0.0	48.2	5.1	0.0	0.0	0.0	39.6
No. Marks	0	0	0	125	75	4	0	0	0	204

Chinook

RELEASE AGENCY



BASIN OF RELEASE

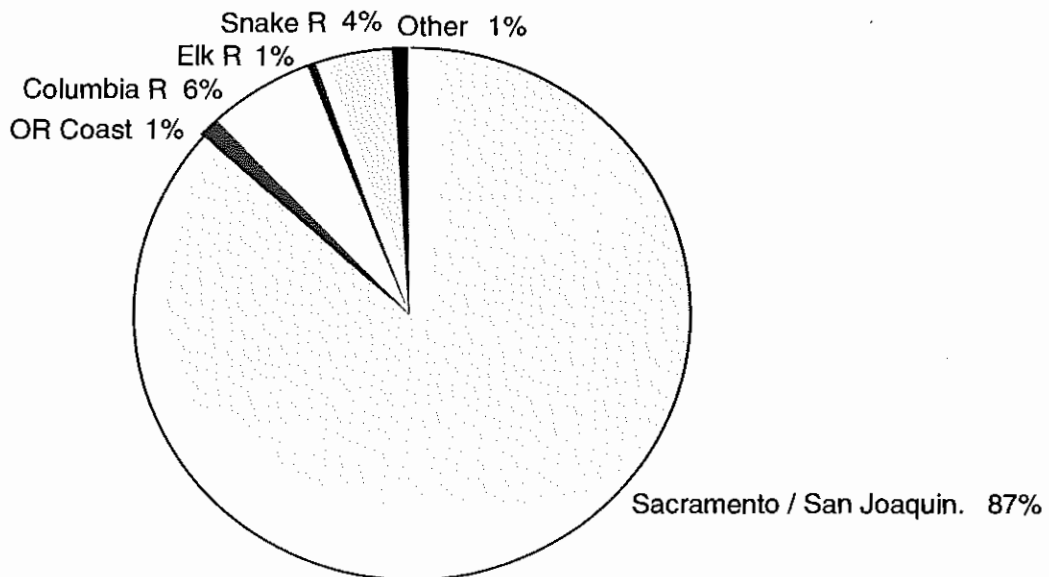
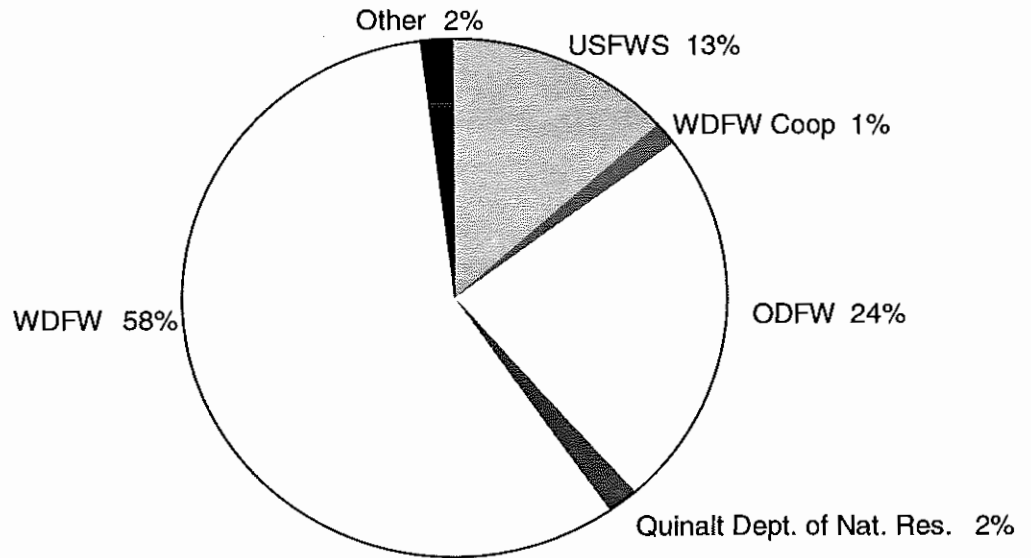


Figure 7a. Observed recoveries of chinook (N=5,686) coded wire tags from Oregon commercial ocean troll salmon landings by release agency and basin of release, 2001. Note: Does not represent stock contribution rates since tagging is not representative of all stocks.

Coho

RELEASE AGENCY



BASIN OF RELEASE

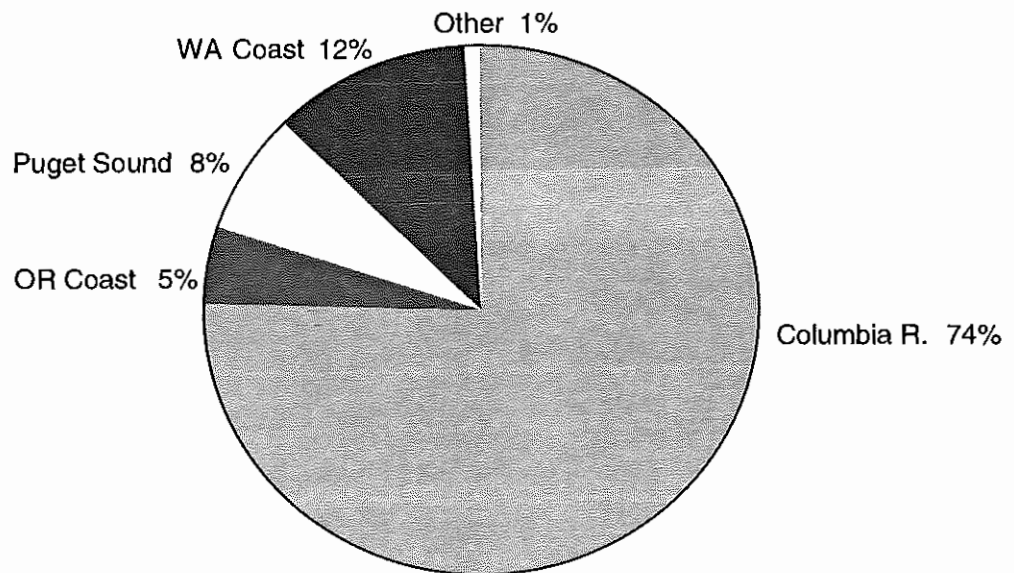


Figure 7b. Observed recoveries of coho (N=196) coded wire tags from Oregon commercial ocean troll salmon landings by release agency and basin of release, 2001. Note: Does not represent stock contribution rates since tagging is not representative of all stocks.

Elk River State Waters Chinook Fishery

A terminal ocean troll fishery designed to target returning Elk River fall chinook salmon was open from November 1 through December 15 within state waters (0-3 miles) in the area between Cape Blanco and Humbug Mountain. This fishery immediately follows the general ocean season, but in recent years the Port Orford troll fleet has almost exclusively limited themselves to fishing the same area as the terminal fishery during the month of October. Landings during November and December were required to be made into Port Orford.

A total of 1,064 chinook were landed in Port Orford during the month of November averaging 13.7 pounds, with an additional 21 chinook landed in December at an average of 13.2 pounds (Table 8). In the October portion of the general season just prior to the state waters fishery, an additional 1,558 chinook were landed with an average weight of 15.3 pounds. During the October through November fishery, there were 87 snouts collected from the 172 chinook that were examined for fin clips (51% mark rate). There were a total of 77 readable tags recovered (89%). All except two of the readable CWTs were from Elk River chinook releases. The remaining non-Elk River CWTs were from releases of chinook in the Sacramento/San Joaquin Basin in California (1) and the Klamath River (1). Of the Elk River CWTs recovered, 31 (41%) were three year olds (1998 brood), 42 (56%) were four year olds (1997 brood), and there were 2 (3%) five year olds (1996 brood).

Chetco River State Waters Chinook Fishery

A late season terminal ocean troll fishery designed to target returning Chetco River fall chinook was open October 13 through 31. This fishery was open within state waters (0-3 miles) in the area between Twin Rocks and the OR/CA border, and had a quota of 1,000 chinook, a daily landing limit of 20 chinook per vessel, and all fish were required to be landed into Brookings.

A total of 728 chinook were landed averaging 21.6 pounds (Table 8). Samplers examined 381 chinook (52%) and recovered 12 snouts from adipose fin-clipped chinook (3% mark rate) 10 of which contained readable CWTs. Chetco River releases accounted for 8 of the CWTs and the remaining 2 CWTs included 1 from the Sacramento/San Joaquin Basin in California and 1 from the Elk River. Of the Chetco River CWTs, there were 2 three year olds (1998 brood) and 8 four year olds (1997 brood).

This information does not represent stock composition percentages as tags are not expanded for CWT marking rates or fishery sampling rates, and not all stocks are tagged.

Table 8. Summary of Oregon ocean commercial troll terminal ocean fisheries, 2001.

Tillamook Terminal Ocean Commercial Troll Chinook Fishery

Statistical Week	Number of Tickets	Number Landed	Pounds Landed	Number Sampled	Number Marked	Percent Sampled	Coded Wire Tags by Basin			
							NO CODED WIRE TAGS RECOVERED			
44	1	4	51	0	0	0.0				
45	3	4	80	0	0	0.0				
Totals	4	8	131	0	0	0.0				

Elk River Terminal Ocean Commercial Troll Chinook Fishery

Statistical Week	Number of Tickets	Number Landed	Pounds Landed	Number Sampled	Number Marked	Percent Sampled	No tag	Tag Lost	Coded Wire Tags by Basin		
									Elk River	Klamath	Central Valley, CA
40	25	131	2,133	0	0	0.0	0	0	0	0	0
41	43	378	6,284	0	0	0.0	0	0	0	0	0
42	48	459	7,042	0	0	0.0	0	0	0	0	0
43	36	491	7,076	50	33	10.2	1	0	32	0	0
44	34	451	5,938	36	22	8.0	4	0	17	1	0
45	46	407	5,734	61	29	15.0	2	3	24	0	0
46	12	75	1,204	0	0	0.0	0	0	0	0	0
47	5	52	764	0	0	0.0	0	0	0	0	0
48	12	178	2,231	25	3	14.0	0	0	2	0	1
49	1	21	277	0	0	0.0	0	0	0	0	0
50	0	0	0	0	0	0.0	0	0	0	0	0
Totals	262	2,643	38,683	172	87	6.5	7	3	75	1	1

Chetco Terminal Ocean Commercial Troll Chinook Fishery

Statistical Week	Number of Tickets	Number Landed	Pounds Landed	Number Sampled	Number Marked	Percent Sampled	No tag	Tag Lost	Coded Wire Tags by Basin		
									Elk River	Chetco R.	Central Valley, CA
40	3	25	391	0	0	0.0	0	0	0	0	0
41	24	76	1,575	57	3	75.0	0	0	0	3	0
42	68	361	7,985	188	8	52.1	1	1	1	4	1
43	49	225	4,846	105	1	46.7	0	0	0	1	0
44	11	41	900	31	0	75.6	0	0	0	0	0
Totals	155	728	15,697	381	12	52.3	1	1	1	8	1

THE 2001 OCEAN RECREATIONAL SALMON FISHERY

BACKGROUND

Oregon's ocean recreational salmon fishery originated with boats fishing in the lower bays on mature salmon returning to freshwater in the fall. Boats would sometimes venture out into the ocean on favorable days. The late 1940s and early 1950s showed substantial growth in ocean fishing effort by both the charter and private boat fleet. Better and safer equipment plus the development of small boat basins and launching ramps and other support facilities in many coastal towns encouraged ocean fishing (PFMC, 1978).

The primary targeted species of the Oregon recreational fleet have traditionally been coho salmon (*Oncorhynchus kisutch*) and chinook salmon (*Oncorhynchus tshawytscha*). Pink salmon (*Oncorhynchus gorbuscha*) can make up a small portion (~1%) of the catch in odd numbered years. Chum salmon (*Oncorhynchus keta*) and steelhead trout (*Oncorhynchus mykiss*) are also occasionally caught, but state wide season totals for each species have seldom exceeded 100 fish from the ocean fishery. Sockeye salmon (*Oncorhynchus nerka*) and cutthroat trout (*Oncorhynchus clarkii*) are rarely caught in the ocean recreational salmon fishery, and cutthroat trout are prohibited from retention in the ocean fishery.

The recreational ocean fishery has been sampled by ODFW's Ocean Salmon Management Program since the early 1960s. Ocean creel data was supplemented by salmon/steelhead tag license data through the 1980 season. Creel data alone have been used since 1981. Recently, the name of the sampling project was changed to the Ocean Recreational Boat Survey (ORBS) to more accurately reflect the full duties of the project.

The peak catch and effort year was 1976 when 538,400 angler trips resulted in a catch of 79,300 chinook and 501,300 coho. The daily bag limit in 1976 was 3 salmon and the season lasted from April 10 to December 31. Following the 1983 El Niño, restrictive quota limitations began to be placed on the recreational fishery. Then in 1994, all ocean coho seasons were closed, and this closure was continued through 1998 for all areas south of Cape Falcon. In 1999, the season structure included the first selective (hatchery only) coho fishery from Cape Falcon to Humbug Mt. and extensive chinook fishing opportunities within the same area. The 2001 seasons resulted in an estimated ocean catch of 27,223 chinook and 94,339 coho from 120,614 salmon angler trips (Table 9). Staff made numerous at sea observation trips on recreational vessels to observe marked to unmarked rates of coho intercepted.

Table 9. Oregon ocean recreational salmon catch and effort for 1966-2001^a

Year	Effort (Angler Trips)		Salmon Catch			Fish/Angler
	Salmon	Total	Coho	Chinook	Pink	
1966	-	-	227,900	37,400	-	-
1967	-	-	351,000	42,800	-	-
1968	-	-	265,800	25,100	-	-
1969	-	-	232,900	31,800	-	-
1970	-	-	257,400	42,900	-	-
1971	-	303,700	311,700	29,600	121	1.12
1972	-	331,700	248,400	44,100	58	0.88
1973	-	350,400	232,068	60,984	2,008	0.84
1974	-	335,849	314,501	36,729	34	1.05
1975	-	407,498	252,209	75,719	1,218	0.81
1976	-	538,414	501,306	79,316	50	1.08
1977	-	404,534	195,277	61,364	4,037	0.64
1978	-	403,740	259,769	22,844	24	0.70
1979	301,343	341,770	180,834	20,902	607	0.67
1980	331,443	362,015	325,843	19,014	24	1.04
1981	311,027	350,937	199,812	29,173	1,589	0.74
1982	226,022	275,947	175,128	38,716	14	0.95
1983	226,029	261,456	146,904	24,677	69	0.76
1984	153,061	203,591	123,325	16,992	3	0.92
1985	251,583	270,860	182,486	55,867	7,711	0.98
1986	186,971	216,068	218,907	22,829	8	1.29
1987	255,077	279,520	180,534	59,420	930	0.94
1988	250,651	282,849	226,873	38,327	0	1.06
1989	266,260	311,393	273,271	32,043	1,328	1.15
1990	246,555	294,031	200,646	26,548	3	0.92
1991	190,062	228,103	259,086	14,416	280	1.44
1992	165,317	219,330	185,845	12,573	19	1.20
1993	79,612	140,853	58,108	6,420	25	0.81
1994	26,897	95,143	46	6,037	0	0.23
1995	35,850	105,185	11,913	6,733	6	0.52
1996	43,962	109,810	7,176	11,210	0	0.42
1997	30,203	105,304	5,972	7,686	2	0.45
1998	25,728	110,585	2,272	4,021	0	0.24
1999	49,416	135,960	13,640	7,722	15	0.43
2000	78,579	156,199	33,182	25,466	0	0.75
1979-2000 average	169,620	220,769	136,900	22,127	574	0.81
2001	120,614	192,987	94,339	27,223	54	1.01

^a Prior to 1981, sampling data were supplemented with salmon/steelhead tag data for ports and time periods not sampled

SAMPLING METHODOLOGY

Sampling areas and staffing

Thirty seasonal employees were hired to fill twenty-two separate positions to sample the ocean recreational fishery at twelve coastal ports in 2001 (Appendix Table 1). This included nine seasonal employees who were combination commercial troll/recreational samplers. The two sampling coordinators also provided sampling backup. An additional three seasonal employees were hired to fill three at-sea observer positions.

In the major ports of Depoe Bay, Newport, Charleston, and Brookings sampling of the ocean recreational fishery had been occurring year-round as part of a special study to evaluate marine fish harvest. This study ended at the end of October. In Garibaldi, sampling began in early March. In Winchester Bay, Bandon, Port Orford, and Gold Beach sampling began by the start of May. Sampling in Astoria, Pacific City, and Florence started in mid June. In most ports we continued sampling the recreational fishery through mid to late September or October. All samplers counted ocean boats and checked returning anglers (Appendix tables 1 and 9). Some of the sampling was supported by other funds such as ocean sport halibut license fees to assist monitoring of the concurrent halibut season.

Sampling Design

A statistical recreational creel survey using a modified random sampling design has been used in all recent years. Ocean anglers are interviewed at boat ramps, moorages, and charter docks to determine average number of anglers per boat, trip type, average length of trip, and catch rate by species. Samplers usually work from early morning to late afternoon, but work hours vary to reflect fishing activity. Snouts are collected from marked (adipose fin-clipped) fish and forwarded to the ODFW tag recovery laboratory in Clackamas for decoding. Bottomfish catch is also recorded. In 2001, all ORBS sampling data was collected with hand held data collection computers. Data was collected weekly and transported to the Newport ODFW office for error checking and analysis.

Estimates of private boat effort is primarily obtained through boat counts by ORBS samplers, but Coast Guard bar crossing counts are occasionally used. In Astoria, Newport, Winchester Bay, Coos Bay, and Brookings ODFW boat counters monitor bar crossings beginning at dawn (usually starting at 5:00 AM) and continuing until 10:00 AM, and then sample for the remainder of their shift. OSM staff applies an expansion factor based on either full boat counts from several previous years or on the ratio of boats interviewed that reported departure times outside of the effort count period. Similar bar crossing counts and expansions are made at Garibaldi, but these counts are made from dawn until 11:00 AM to account for the often later rush of boats at the turn of the tide in Garibaldi. In Pacific City, Depoe Bay, Florence, Bandon, and Gold Beach total effort is estimated from a combination of boat trailer and moorage slip counts and a tally of outgoing vessels during the sampling period (usually 8:00 AM until 4:00 PM).

At Port Orford, effort estimates are taken by directly using the hoist records. Counts are averaged using adjacent days of the same type (i.e. weekday or weekend/holiday) with similar season type for days when no bar crossing counts were available.

Although charter vessels are counted separately in the bar crossings by the samplers, these counts are typically only used for charter effort at Astoria/Warrenton. In all other ports, charter effort estimates are made by contacting individual charter offices to determine the number of charter boat trips by trip type (i.e. salmon, bottomfish, combination salmon/bottomfish, halibut, or tuna) for each day.

Quota Assessment

Catch and effort data are error-checked and then processed in-house by the Newport OSM data staff. Angler interviews are stratified by charter and private boats to provide average catch rates by species for each boat type (i.e. charter and private). These catch rates, when multiplied by total effort for a particular period, give a catch estimate for that period. The same method is used to estimate total angler trips. The survey provides weekly estimates of Oregon's ocean recreational effort and catch within 4 days after the week ended. A preliminary catch estimate is usually available within two days of the end of the week. These catch estimates are necessary for timely monitoring of fishery catch quotas. In quota structured seasons, as the catch approaches the quota, daily calls from samplers with effort and sampling summaries are used to make mid-week catch estimates.

Department samplers checked 44,200 salmon in 2001 compared to 27,498 in 2000. Catch sampling rates in 2001 ranged from a high of 100% at Port Orford, to a low of 24% at Astoria. Samplers checked 37% of the total ocean recreational salmon catch in 2001 as compared to 47% in 2000 (Appendix Table 9).

REGULATIONS

General

The Oregon Coast is divided into three general salmon management areas: North of Cape Falcon, Cape Falcon to Humbug Mountain, and south of Humbug Mountain. The 2001 regulations (Figure 8) were adopted by the PFMC and signed into law by the Secretary of Commerce. The OFWC adopted the regulations as written by the PFMC for state waters (0-3 miles) and adopted three additional special seasons in state waters. Appendix Table 10 summarizes the history of Oregon's recreational ocean salmon regulations.

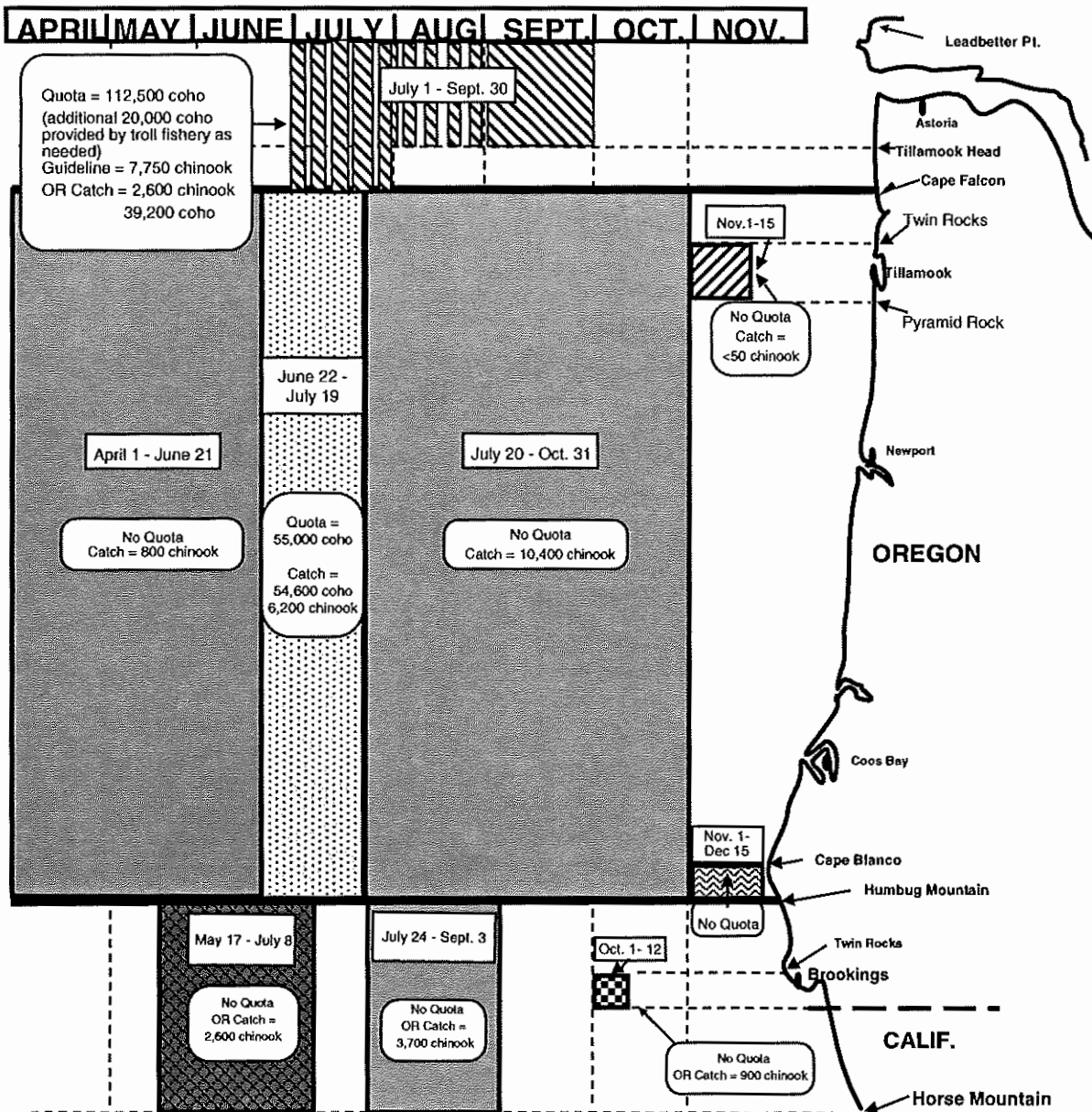


Figure 8. Ocean recreational salmon seasons, quotas, and landings off Oregon, 2001.

North of Cape Falcon

An all-species salmon season was adopted for the area from Leadbetter Point, Washington to Cape Falcon, Oregon. The season was scheduled to open July 1 and continue through the earlier of September 30 or the quota of 112,500 adipose fin-clipped coho. Of the initial quota, 10,000 coho were listed as "set-aside" to keep the season open between North Head Lighthouse, Washington and Cape Falcon from September 4 through September 30. In addition, there was a chinook catch guideline for the area of 7,750 fish. The season was open Sunday through Thursday of each week through September 3, and open seven days per week from September 4 through September 30. The bag limit was two salmon per day with not more than one chinook, and all coho must have a healed adipose fin clip. The minimum size limits were: 16" for coho, 24" for chinook, 20" for steelhead, and no minimum size for pink, chum, or sockeye salmon. Single point, single shank barbless hooks were required, and the Columbia River control zone was closed to salmon angling. The area from Tillamook Head to Cape Falcon was closed to salmon angling beginning August 1. On August 29 there was a transfer of 20,000 coho from the commercial troll fishery to the Columbia River ocean area recreational fishery to keep the recreational season open through September 30. The season ended on the scheduled closing date of September 30. Oregon catches in this fishery totaled 2,626 chinook and 39,180 coho.

Cape Falcon to Humbug Mountain

The all-salmon-except-coho season was scheduled to run from April 1 through June 21, and the earlier of the day following the close of the selective coho salmon season or August 1 through October 31. The daily bag limit was two salmon, not more than six fish allowed in seven consecutive days, and coho were prohibited in the catch. The following special gear restrictions were in effect during the month of April: Bait must be 6" or larger (excluding hooks and swivels); no more than two single point, single shank barbless hooks (the only gear restriction in place May 1-October 31); divers were prohibited; and flashers were allowed only with a downrigger (note variances in the Tillamook area). Minimum size limits were 20" for chinook and steelhead, and there were no size restrictions for other species of salmon. During the all-salmon-except-coho season, an estimated 11,132 chinook were taken, and 497 illegal coho were landed.

The selective coho fishery was scheduled to run from June 22 through the earlier of July 31 or the quota of 55,000 adipose fin-clipped coho. The bag limit was two salmon per day and no more than 6 salmon in 7 consecutive days. All coho must have a healed adipose fin clip and be at least 16 inches in total length. The selective coho fishery ended on July 19. Landings during the selective coho fishery totaled an estimated 6,234 chinook and 54,593 coho.

A fishery control zone was established around the mouth of Tillamook Bay beginning in 1996 (Appendix Figure 1) to provide added protection for local salmon stocks of concern (spring chinook and coho). OSMP staff erected US Coast Guard approved

markers at the northern and southern boundaries of the zone in 1996, and enlarged the southern marker from 4'x4' to 8'x8' late in 1996 following comments from fishers about the poor visibility of the sign. In 2001, the control zone was open for salmon fishing only for the following periods: May 1 through 31, June 22 through July 19 (during the selective coho fishery), and September 1 through November 15. Closures within the control zone were intended to reduce fishing impacts on local spring chinook (during the spring) and coho (during the summer and fall). In addition, within the control zone and within the Tillamook Terminal Area (state waters between Twin Rocks and Pyramid Rock), special regulations were in effect that linked the inside fishery with the nearshore ocean chinook fishery. During the selective coho fishery, all rules for the Cape Falcon to Humbug Mt. area as described previously applied in the Tillamook Terminal Area. These special regulations included the following gear limitation: No more than two single point, single shank barbless hooks. Special bag limits under a split season were also in effect in this area. For the period of May 1 through July 31: a daily catch limit of 2 adult chinook (>24 inches) and 5 jack chinook (15-24 inches), 2 adult chinook in 7 consecutive days, and a seasonal catch of not more than 10 adult chinook in the spring season. For the period of August 1 through November 15 (December 31 inland): a daily catch limit of 2 adult chinook (>24 inches) and 5 jack chinook (15-24 inches), 4 adult chinook in 7 consecutive days, and a seasonal catch of not more than 10 adult chinook in the fall season. These bag limits also included all waters in the Tillamook, Nehalem, and Nestucca basins.

Humbug Mountain to Horse Mountain, California

The season in the area from Humbug Mountain, Oregon to Horse Mountain, California was open from May 17 through July 8, and July 24 through September 3. This area is referred to as the Klamath Management Zone (KMZ). This fishery was open 7 days per week for all-salmon-except-coho with a bag limit of two salmon per day, and no more than 4 salmon in 7 consecutive days from May 17 through July 8 and no more than 6 salmon in 7 consecutive days from July 24 through September 3. The minimum size limit for chinook and steelhead was 20", there was no size restriction for pink, chum, or sockeye salmon, and the area was closed to coho salmon retention. There were no quota restrictions in this fishery in 2001. Gear was restricted to no more than two single point, single shank barbless hooks. Total Oregon landings during the general season were estimated at 6,352 chinook and 56 prohibited coho.

Late season, state waters fisheries

November 1-15 fishery off Tillamook Bay: The Oregon Fish and Wildlife Commission extended the general ocean chinook season within state waters (0-3 miles) off Tillamook Bay between Twin Rocks and Pyramid Rock for the period of November 1 through 15. Gear restrictions and bag limits are described above in the Cape Falcon to Humbug Mt. section. No quota was in effect during this season. Approximately 23 chinook were landed in this season.

November Fishery off Port Orford: This state waters (0-3 miles) chinook only fishery extended from Cape Blanco south to Humbug Mountain and had no quota. The season was open November 1 through December 15. A bag limit of two chinook per day was in effect. Minimum size for chinook was 20", and single point, single shank barbless hooks were required. We did not sample this recreational fishery. The sport effort and catch in this ocean season has traditionally been minimal due to the remote location and specialized equipment needed to launch at Port Orford.

October Fishery off of Brookings: The Oregon Fish and Wildlife Commission set a chinook only state waters (0-3 miles) season off Brookings between Twin Rocks and the OR/CA border. The season was open October 1 through 12 without a chinook quota. Minimum size for chinook was 20", and single point, single shank barbless hooks were required. A bag limit of one chinook per day and no more than four for the season was in effect. An estimated 856 chinook and 13 illegal coho were landed during this season in 2001.

EFFORT AND CATCH STATISTICS

Effort

Before 1979, ocean recreational effort data included a small number of bottomfishing trips. Since 1979, salmon fishing trips have been separated from bottomfishing trips. Usually ocean anglers choose salmon fishing over bottomfishing when both fisheries are available. However this has not been the case for ports from Coos Bay north where recent chinook-only seasons have generated only mild interest in the fishing community, and bottomfishing trips have tended to predominate throughout the season in most areas.

The sharp drop in effort caused by limited salmon seasons in recent years has been only slightly buffered by a comparable increase in bottomfishing effort. A total of 72,373 fishing trips for species other than salmon were taken by anglers in 2001 (Table 10). The total combined 2001 salmon and bottomfishing effort of 192,987 angler trips was up 24% from the 156,199 trips in 2000, but was still 13% below the 1979-2000 average of 220,769 angler trips (Table 9).

In 2001, 120,614 angler trips (63%) targeted salmon coastwide. Salmon angler trips in 2001 climbed 54% from the 2000 season totals, and were the most salmon angler trips since 1992. However, salmon effort in 2001 was 71% of the 1979-2000 average (Table 9).

July was the peak month for salmon effort in 2001 with 47,838 salmon angler trips or 40% of the total (Table 10, Figures 9 and 11, and Appendix Table 11). August was the top month for bottomfishing effort with 21,424 angler trips (Table 10 and Figure 9).

Brookings recorded the most total angler trips (37,828 salmon and bottomfishing trips combined) and also the most salmon fishing effort in 2001 with 25,932 angler trips or

Table 10. Oregon ocean recreational effort in angler trips by port, by statistical month and by trip type^a, 2001.

Port/Trip Type	Month								Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
<u>Astoria</u>	-	-	531	6,853	12,772	2,241	-	-	22,397
Salmon	-	-	531	6,853	12,771	2,235	-	-	22,390
Non-salmon	-	-	0	0	1	6	-	-	7
<u>Garibaldi</u>	260	3,492	3,332	7,083	3,963	3,873	2,148	162	25,254
Salmon	12	527	1,728	5,548	837	2,804	2,051	162	13,669
Non-salmon	248	3,906	1,604	1,535	3,126	1,069	97	0	11,585
<u>Pacific City</u>	-	-	1,067	2,848	1,031	81	-	-	5,027
Salmon	-	-	1,067	2,325	249	5	-	-	3,646
Non-salmon	-	-	0	523	782	76	-	-	1,381
<u>Depoe Bay</u>	1,309	2,618	4,687	7,410	5,312	1,732	438	3	23,509
Salmon	49	48	2,408	4,409	196	135	49	0	7,294
Non-salmon	1,260	2,570	2,279	3,001	5,116	1,597	389	3	16,215
<u>Newport</u>	1,283	5,852	6,407	11,405	7,648	2,947	604	-	36,146
Salmon	15	127	4,283	8,932	2,232	743	94	-	16,426
Non-salmon	1,268	5,725	2,124	2,473	5,416	2,204	510	-	19,720
<u>Florence</u>	-	-	379	808	130	0	-	-	1,317
Salmon	-	-	379	805	88	0	-	-	1,272
Non-salmon	-	-	0	3	42	0	-	-	45
<u>Winchester Bay</u>	-	337	4,519	9,431	3,768	571	-	-	18,626
Salmon	-	292	4,503	9,431	3,714	555	-	-	18,495
Non-salmon	-	45	16	0	54	16	-	-	131
<u>Charleston</u>	480	1,577	3,971	5,325	4,028	944	328	-	16,653
Salmon	70	319	2,904	4,390	1,670	187	60	-	9,600
Non-salmon	410	1,258	1,067	935	2,358	757	268	-	7,053
<u>Bandon</u>	-	278	729	1,063	1,270	74	-	-	3,414
Salmon	-	20	279	736	639	23	-	-	1,697
Non-salmon	-	258	450	327	631	51	-	-	1,717
<u>Port Orford</u>	-	486	130	186	231	13	-	-	1,046
Salmon	-	15	4	0	5	0	-	-	24
Non-salmon	-	471	126	186	226	13	-	-	1,022
<u>Gold Beach</u>	-	231	254	474	797	14	-	-	1,770
Salmon	-	13	34	28	103	0	-	-	178
Non-salmon	-	218	220	446	694	14	-	-	1,592
<u>Brookings</u>	1,144	5,307	6,033	6,664	12,075	1,646	4,938	21	37,828
Salmon	0	3,654	4,089	4,381	9,097	362	4,340	0	25,923
Non-salmon	1,144	1,653	1,944	2,283	2,978	1,284	598	21	11,905
Total	4,476	21,119	32,039	59,550	53,025	14,136	8,456	186	192,987
Salmon	146	5,015	22,209	47,838	31,601	7,049	6,594	162	120,614
Non-salmon	4,330	16,104	9,830	11,712	21,424	7,087	1,862	24	72,373

^a Effort is estimated only for those time periods when port sampling occurred (Appendix 1), and non-salmon effort is a total of bottomfish, dive, and halibut anglers.

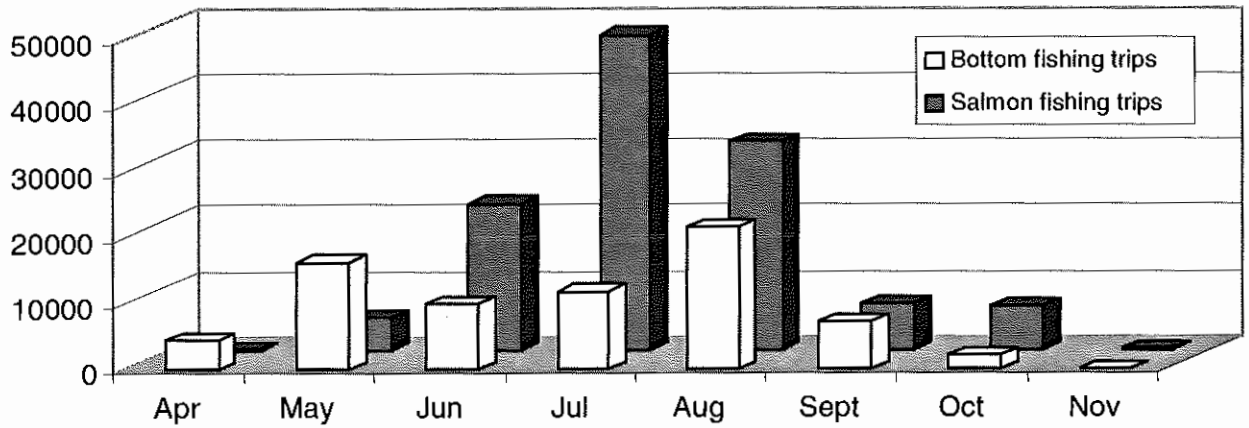


Figure 9. Oregon ocean angler trips by target species during the 2001 salmon season.

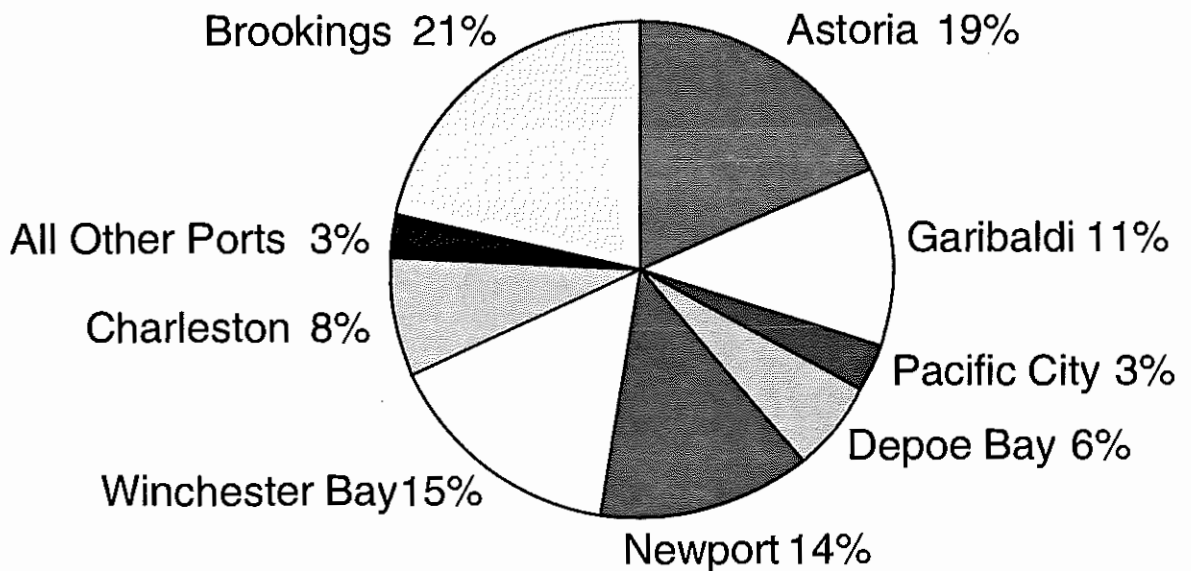
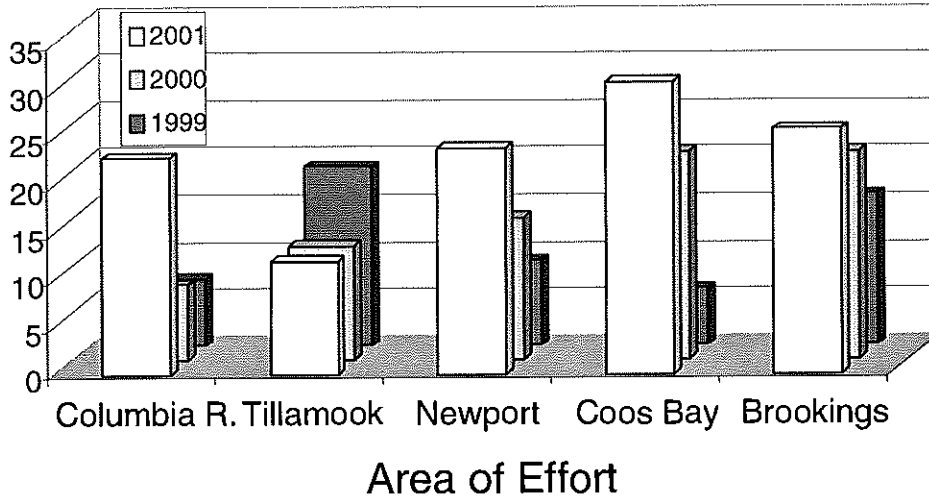


Figure 10. Recreational ocean salmon angler trips by port, 2001.

Effort

ANGLER TRIPS (thousands)



ANGLER TRIPS (thousands)

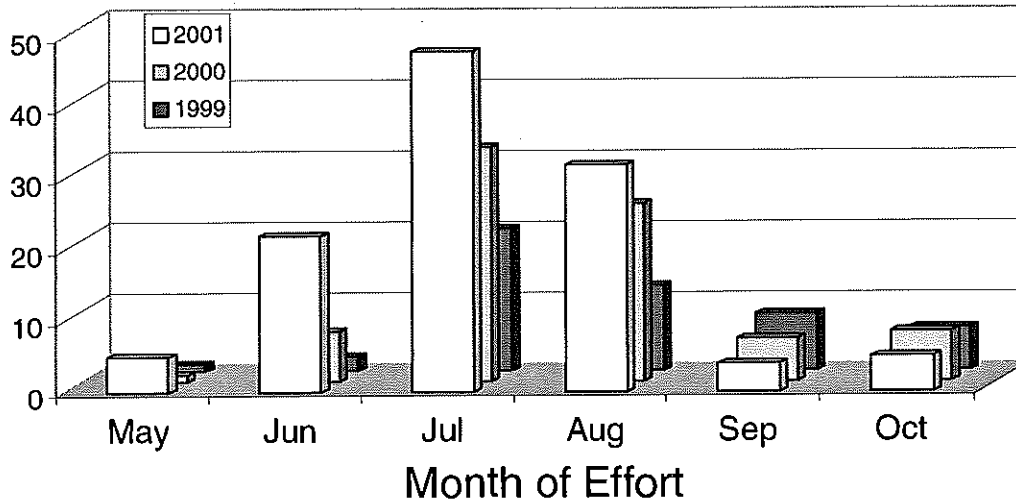


Figure 11. Oregon recreational salmon angler trips by catch area and by month, 1999-2001.

FISH (thousands)

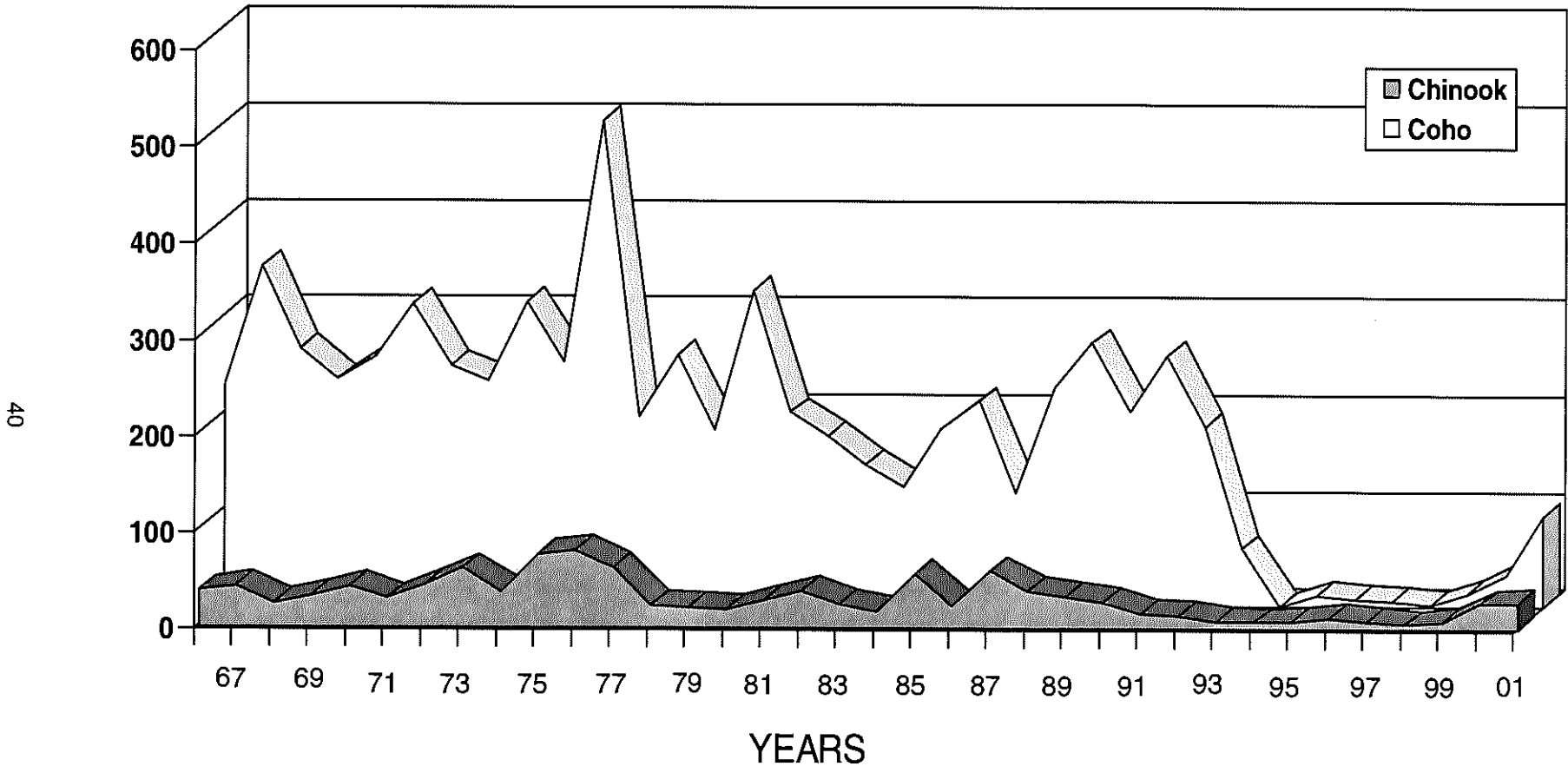


Figure 12. Trends in Oregon's recreational ocean salmon catch, 1966-01.

22% of the state's total. Astoria followed with 22,390 salmon angler trips (Figure 10). Newport had the most bottomfishing activity with 19,720 trips in 2001. Depoe Bay, Brookings, and Garibaldi followed with 16,215, 11,905, and 11,585 bottomfishing trips each, respectively (Table 10). Appendix Table 12 shows past ocean recreational salmon effort and catch by catch areas. Please note that "port" and "catch area" are not synonymous terms.

Catch

As with effort, catches were strongly influenced by reduced quotas and restrictive time and area seasons. The ORBS estimated Oregon's 2001 ocean salmon catch by species, except for landings from some minor unsurveyed ports and time periods when activity was forecast to be minimal. Salmon landed at minor ports historically have represented less than two percent of the total catch, and punchcard catch estimates are periodically referenced for unsampled ports and time periods to confirm low activity levels.

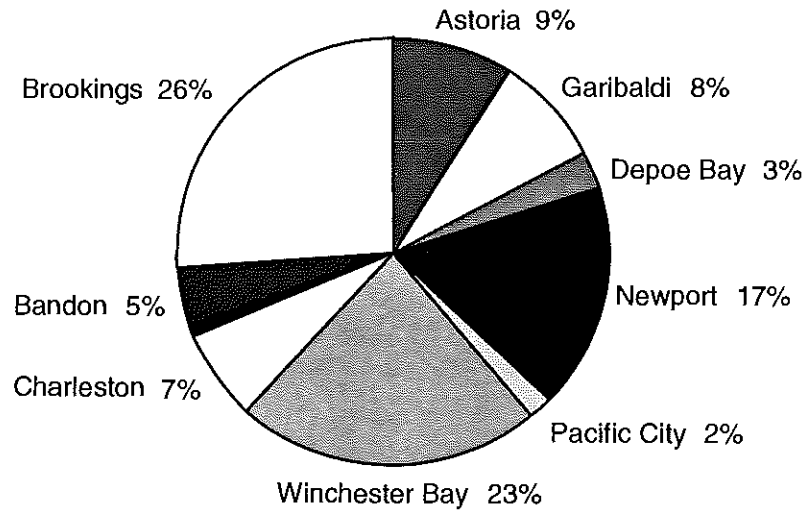
Chinook: The 2001 Oregon ocean recreational chinook salmon catch was estimated at 27,223 fish, a 7% increase over the 2000 chinook landings of 25,466, and 23% above the 1979-2000 average of 22,127 chinook (Tables 9 and 11, and Figure 14). Historical catch patterns are shown in Appendix Tables 13 and 14, and weekly landings for 2001 are available in Appendix Table 15. Brookings anglers caught 7,198 chinook (26%), anglers fishing out of Winchester Bay caught 6,147 chinook (23%), and anglers at Newport brought in 4,560 chinook (17%) (Table 11 and Figure 13). With 9,885 chinook, July was the month with the highest catch, and made up 36% of the chinook landings.

Table 11. Oregon ocean recreational chinook catch by port and month^a, 2001.

Port	Month								Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Astoria	-	-	142	723	1,455	139	-	-	2,459
Garibaldi	0	70	131	574	197	830	431	23	2,256
Pacific City	-	-	104	286	65	0	-	-	455
Depoe Bay	5	6	93	166	184	217	89	-	760
Newport	0	64	269	1,375	2,140	641	71	-	4,560
Florence	-	-	21	68	20	0	-	-	109
Winchester Bay	-	34	841	3,925	1,097	250	-	-	6,147
Coos Bay	12	36	447	1,022	345	25	3	-	1,890
Bandon	-	7	131	533	700	6	-	-	1,377
Port Orford	-	0	1	0	1	0	-	-	2
Gold Beach	-	2	3	0	5	0	-	-	10
Brookings	0	805	993	1,213	3,017	314	856	-	7,198
Statewide Total	17	1,024	3,176	9,885	9,226	2,422	1,450	23	27,223

^a Monthly totals are the sum of statistical weeks estimates with closest fit to calendar month

Chinook



Coho

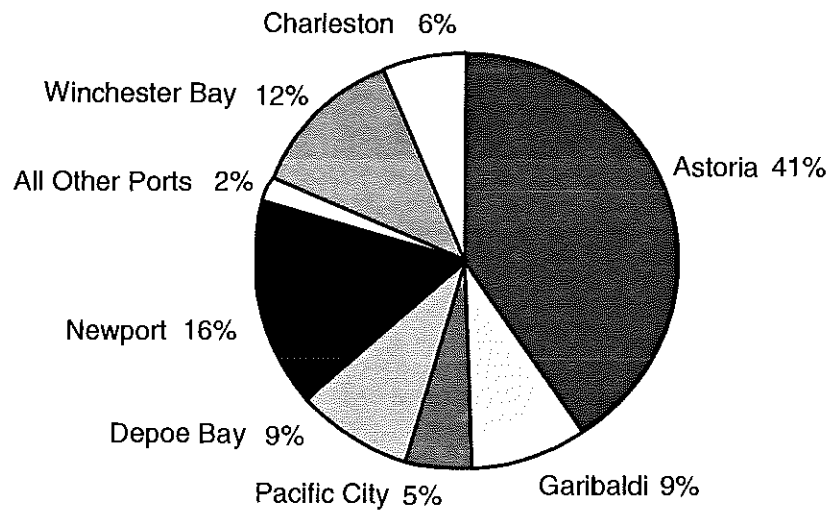


Figure 13. Oregon ocean recreational chinook and coho catch by port, 2001.

Coho: The recreational harvest of 94,339 coho in 2001 was the largest season total since 1992. However, it was still only 69% of the 1979-2000 average of 136,900 coho. Most of the coho were landed in Astoria with 37,935 (40%), and Newport with 15,259 (16%) (Figure 13). July was the month of greatest landings with 49,784 coho (53%) coming in that month (Table 12, Figure 15). This was largely due to the coho season for the area from Cape Falcon to Humbug Mt. only open June 22 through July 19 (Appendix Tables 13, 16, and 17).

Table 12. Oregon ocean recreational coho catch by port and month^a, 2001.

Port	Month								Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Astoria	-	-	859	11,802	21,662	3,612	-	-	37,935
Garibaldi	0	0	1,847	6,421	360 ^b	115 ^b	22 ^b	0	8,765
Pacific City	-	-	1,505	3,219	0	0	-	-	4,724
Depoe Bay	0	0	2,884	5,367	0	0	0	-	8,251
Newport	0	2 ^b	4,965	10,273	16 ^b	3 ^b	0	-	15,259
Florence	-	-	202	810	1 ^b	0	-	-	1,013
Winchester Bay	-	12 ^b	4,064	7,357	90 ^b	4 ^b	-	-	11,527
Coos Bay	0	7 ^b	2,000	3,927	59 ^b	0	0	-	5,993
Bandon	-	0	204	597	2 ^b	0	-	-	803
Port Orford	-	0	0	0	0	0	-	-	0
Gold Beach	-	0	0	0	0	0	-	-	0
Brookings	0	0	16 ^b	11 ^b	29 ^b	0	13 ^b	-	69
Statewide Total	0	21	18,546	49,784	22,219	3,734	35	0	94,339

^a Monthly totals are the sum of statistical weeks estimates with closest fit to calendar month

^b Illegal landings (not all landings into Garibaldi in Aug. and Sept. are illegal; some fish were landed from area 2, which was open)

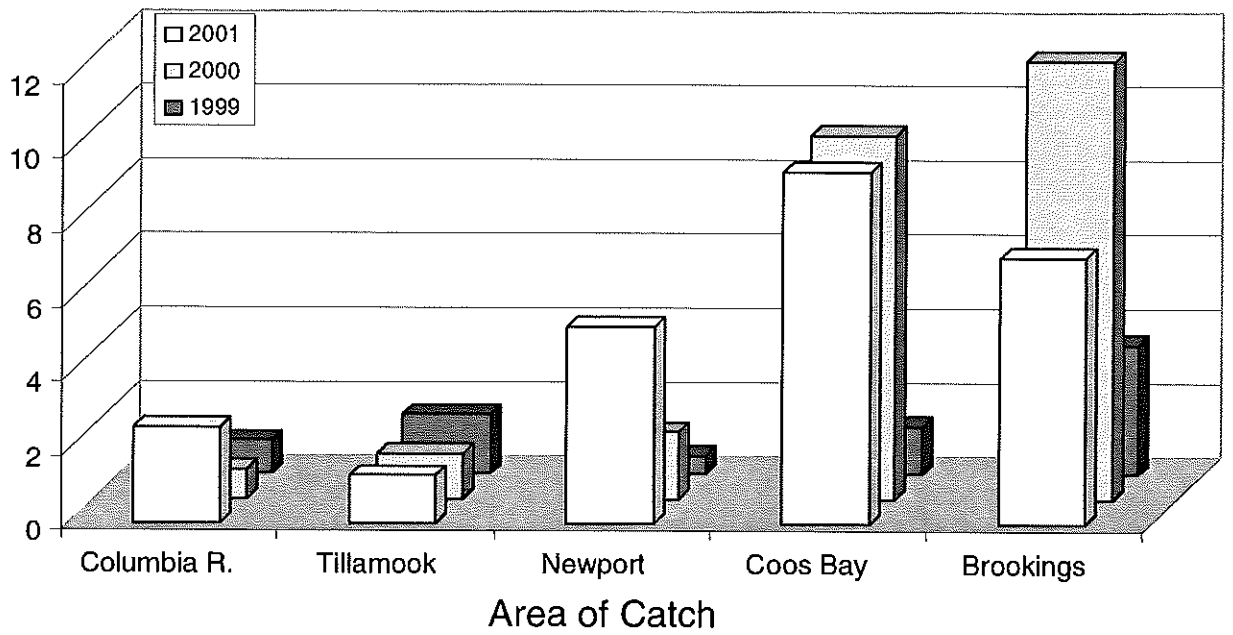
CHARTER/PRIVATE BOAT FISHERIES

Background

Active vessels have ranged from 158 boats in 1988 to 82 boats in 1994 (Appendix Table 18). Salmon is the primary pursuit in all ports when coho are allowed to be retained, but bottomfishing is also important to charters and has become their primary target in recent years. Approximately 111 charter boats actively participated in Oregon ocean fisheries in 2001, compared to 100 vessels in 2000. Exact estimation of active vessels is difficult due to a lack of logbook requirements and the fact that not all licensed vessels actively participate in the fishery. Some "river guides" also participate in the ocean fishery, but are not included in the charter boat estimates. Since 1983, we have monitored charter boat participation in Oregon.

Chinook

FISH (thousands)



FISH (thousands)

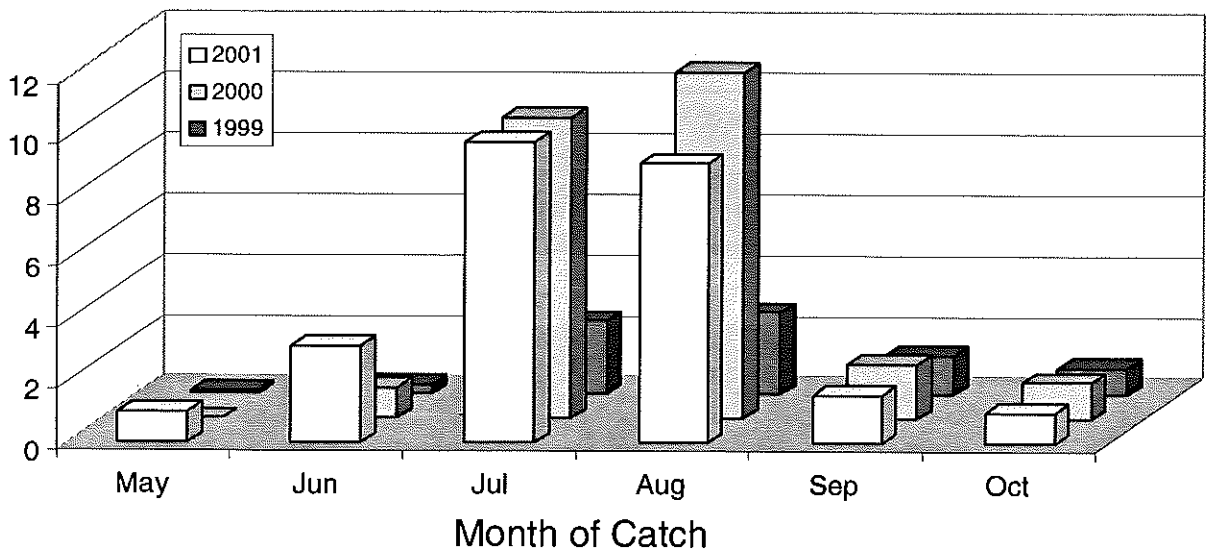
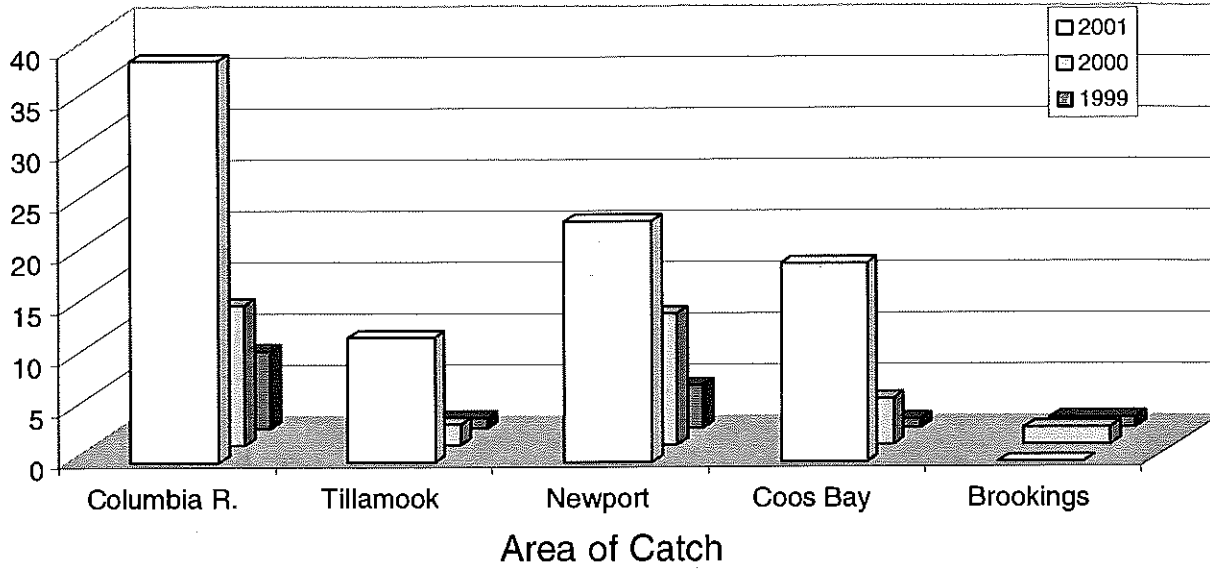


Figure 14. Oregon ocean recreational chinook catch by catch area and by month, 1999-2001.

Coho

FISH (thousands)



FISH (thousands)

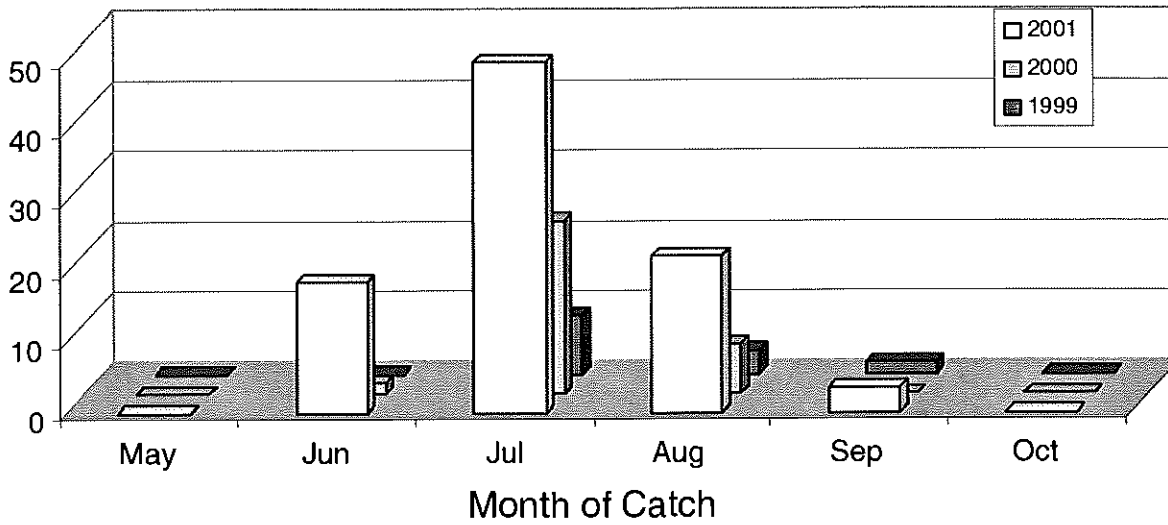


Figure 15. Oregon ocean recreational coho catch by catch area and by month, 1999-2001.

No estimate is available on the number of individual private boats that fished in the ocean. Estimates of total boat trips are calculated for private boats, but the number of individual vessels that fished is unknown.

Charter angler effort: The 2001 charter boat effort was estimated at 18,265 salmon and combination angler trips, an 86% increase over the 2000 effort of 9,814 angler trips. Charter anglers made up only 15% of the total ocean salmon trips in 2001. When bottomfishing trips were added in; charters in 2001 accounted for 32% of the total angler trips compared to 38% in 2000 (Tables 13 and 14, Figure 16, and Appendix Table 20).

Newport with 23 boats led the coast with 5,201 salmon and combination angler trips. Astoria with 18 boats and Depoe Bay with 22 boats were the next busiest salmon charter ports with 3,777 and 3,749 salmon and combination angler trips respectively. Garibaldi with 16 boats accounted for 1,797 salmon and combination angler trips. Depoe Bay and Newport were the two most active charter bottomfishing ports with 15,002 and 12,264 angler trips respectively.

A total of 44,015 charter anglers targeted only bottomfish during our sampling period. An additional 1,306 angler trips were taken on combination trips that fished for both salmon and bottomfish. The high interest in bottomfishing reflects both the limited seasons for coho salmon and a continued interest in deepwater halibut fishing. It is important to remember that some additional bottomfishing effort takes place before and after the salmon season, and is not estimated by this report.

Charter angler catch: The 2001 catch of 25,756 salmon by charter anglers was more than double the 2000 catch of 11,152 salmon. The charter fleet landed 21% of the total recreational salmon catch in 2001, just up from the 19% share seen in 2000 (Table 14, and Figure 16).

The Newport charter fleet caught 7,233 salmon or 28% of the charter salmon landings, while charters out of Astoria made up another 28% of the salmon catch with 7,156 salmon. Salmon per charter angler averages ranged from 1.89 in Astoria to 0.46 salmon per angler in Brookings. In 2001, the state-wide charter average was 1.41 salmon/angler.

Private boat angler effort: The 2001 salmon effort from private boats was estimated at 102,349 salmon and combination angler trips or 85% of the salmon effort for all boat types. There were 49% more private salmon angler trips in 2001 than in 2000 with 68,765 angler trips (Tables 13, 14, Figure 16, and Appendix Table 20).

Brookings and Astoria recorded the most private boat effort for salmon in 2001. Brookings had the most salmon and combination angler trips in 2001 with 25,225 trips or 25% of the private boat total, followed by Astoria with 18,613 trips (18%).

Table 13. Oregon ocean recreational salmon effort and catch by boat type^a, 2001.

SALMON CHARTER BOATS ^a					
Port	Boat Trips	Angler Trips	Total Catch		
			Chinook	Coho	Pink
Astoria	509	3,777	364	6,792	0
Garibaldi	170	1,797	252	2,428	4
Pacific City	16	79	2	133	0
Depoe Bay	401	3,749	623	4,051	6
Newport	527	5,201	2,838	4,374	21
Florence	0	0	0	0	0
Winchester Bay	227	1,510	736	702	0
Coos Bay	93	545	227	428	0
Bandon	124	909	1,036	418	0
Port Orford	0	0	0	0	0
Gold Beach	0	0	0	0	0
Brookings	172	698	321	0	0
Total	2,239	18,265	6,399	19,326	31

SALMON PRIVATE BOATS ^a					
Port	Boat Trips	Angler Trips	Total Catch		
			Chinook	Coho	Pink
Astoria	5,566	18,613	2,095	31,143	0
Garibaldi	4,643	11,872	2,004	6,337	0
Pacific City	1,185	3,567	453	4,591	10
Depoe Bay	1,211	3,545	137	4,200	3
Newport	3,980	11,225	1,722	10,885	8
Florence	545	1,272	109	1,013	0
Winchester Bay	6,702	16,985	5,411	10,825	2
Coos Bay	3,811	9,055	1,663	5,565	0
Bandon	340	788	341	385	0
Port Orford	6	24	2	0	0
Gold Beach	77	178	10	0	0
Brookings	11,236	25,225	6,877	69 ^b	0
Total	39,302	102,349	20,824	75,013	23

COMBINED TOTALS					
Port	Boat Trips	Angler Trips	Total Catch		
			Chinook	Coho	Pink
Astoria	6,075	22,390	2,459	37,935	0
Garibaldi	4,813	13,669	2,256	8,765	4
Pacific City	1,201	3,646	455	4,724	10
Depoe Bay	1,612	7,294	760	8,251	9
Newport	4,507	16,426	4,560	15,259	29
Florence	545	1,272	109	1,013	0
Winchester Bay	6,929	18,495	6,147	11,527	2
Coos Bay	3,904	9,600	1,890	5,993	0
Bandon	464	1,697	1,377	803	0
Port Orford	6	24	2	0	0
Gold Beach	77	178	10	0	0
Brookings	11,408	25,923	7,198	69 ^b	0
Total	41,541	120,614	27,223	94,339	54

^a Includes combination salmon & bottomfish

^b Illegal coho landings

Table 14. Oregon ocean recreational salmon and bottomfish effort and catch by boat and trip type^a, 2001.

Port	CHARTER								
	Boat Trips			Angler Trips			Total Catch		
	Salmon	Combination	Bottom	Salmon	Combination	Bottom	Salmon ^b	Bottom ^c	
Astoria	509	0	0	3,777	0	0	7,156	6,800	
Garibaldi	151	19	632	1,559	238	7,571	2,684	52,741	
Pacific City	10	6	29	52	27	138	135	1,415	
Depoe Bay	375	26	1,363	3,534	215	15,002	4,680	87,941	
Newport	457	70	1,342	4,523	678	12,264	7,233	97,548	
Florence	0	0	0	0	0	0	0	0	
Winchester Bay	227	0	15	1,510	0	71	1,438	1,003	
Coos Bay	90	3	371	510	35	4,062	655	35,535	
Bandon	118	6	108	849	60	1,019	1,454	9,685	
Port Orford	0	0	15	0	0	70	0	134	
Gold Beach	0	0	95	0	0	574	0	4,885	
Brookings	160	12	347	645	53	3,244	321	32,820	
Total	2,097	142	4,317	16,959	1,306	44,015	25,756	330,507	

Port	PRIVATE								
	Boat Trips			Angler Trips			Total Catch		
	Salmon	Combination	Bottom	Salmon	Combination	Bottom	Salmon ^b	Bottom ^c	
Astoria	5,533	33	3	18,487	126	7	33,238	31,392	
Garibaldi	4,451	192	1,249	11,404	468	4,014	8,341	26,371	
Pacific City	936	249	456	2,830	737	1,243	5,054	19,134	
Depoe Bay	1,136	75	486	3,328	217	1,213	4,340	9,503	
Newport	3,842	138	2,419	10,852	373	7,456	12,615	29,352	
Florence	545	0	15	1,272	0	45	1,122	4,338	
Winchester Bay	6,680	22	29	16,937	48	60	16,238	14,458	
Coos Bay	3,480	331	1,222	8,349	706	2,991	7,228	23,442	
Bandon	339	1	250	787	1	698	726	3,438	
Port Orford	0	6	303	0	24	952	2	4,595	
Gold Beach	31	46	419	76	102	1,018	10	6,648	
Brookings	10,186	1,050	3,868	22,702	2,523	8,661	6,946	54,632	
Total	37,159	2,143	10,719	97,024	5,325	28,358	95,860	227,303	

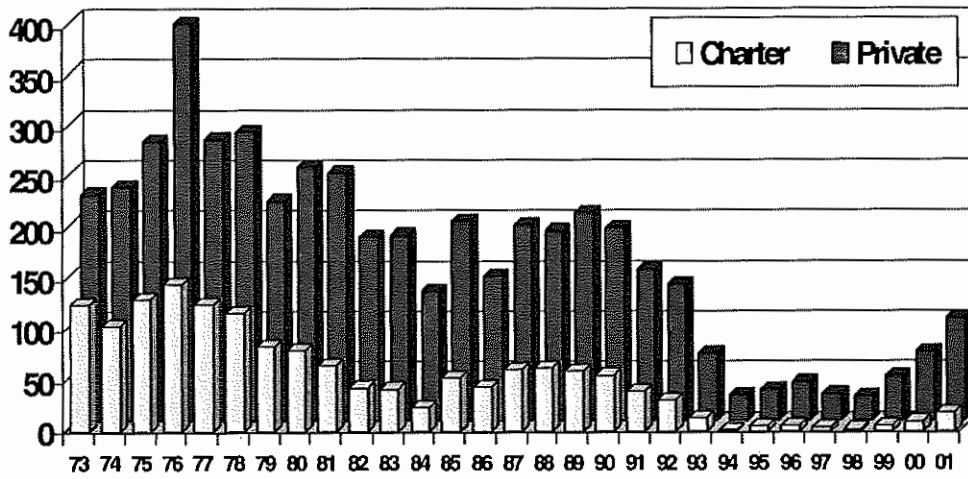
Port	COMBINED TOTAL FOR ALL OREGON CRAFT								
	Boat Trips			Angler Trips			Total Catch		
	Salmon	Combination	Bottom	Salmon	Combination	Bottom	Salmon ^b	Bottom ^c	
Astoria	6,042	33	3	22,264	126	7	40,394	38,192	
Garibaldi	4,602	211	1,881	12,963	706	11,585	11,025	79,112	
Pacific City	946	255	485	2,882	764	1,381	5,189	20,549	
Depoe Bay	1,511	101	1,849	6,862	432	16,215	9,020	97,444	
Newport	4,299	208	3,761	15,375	1,051	19,720	19,848	126,900	
Florence	545	0	15	1,272	0	45	1,122	4,338	
Winchester Bay	6,907	22	44	18,447	48	131	17,676	15,461	
Coos Bay	3,570	334	1,593	8,859	741	7,053	7,883	58,977	
Bandon	457	7	358	1,636	61	1,717	2,180	13,123	
Port Orford	0	6	318	0	24	1,022	2	4,729	
Gold Beach	31	46	514	76	102	1,592	10	11,533	
Brookings	10,346	1,062	4,215	23,347	2,576	11,905	7,267	87,452	
Total	39,256	2,285	15,036	113,983	6,631	72,373	121,616	557,810	

^a Trip types are separated by trips that target salmon, bottomfish (included effort from dive spearfishing trips that were not included in table prior to 1999), or combination trips. 1999 was the first year that the combination trip type was used with private boats.

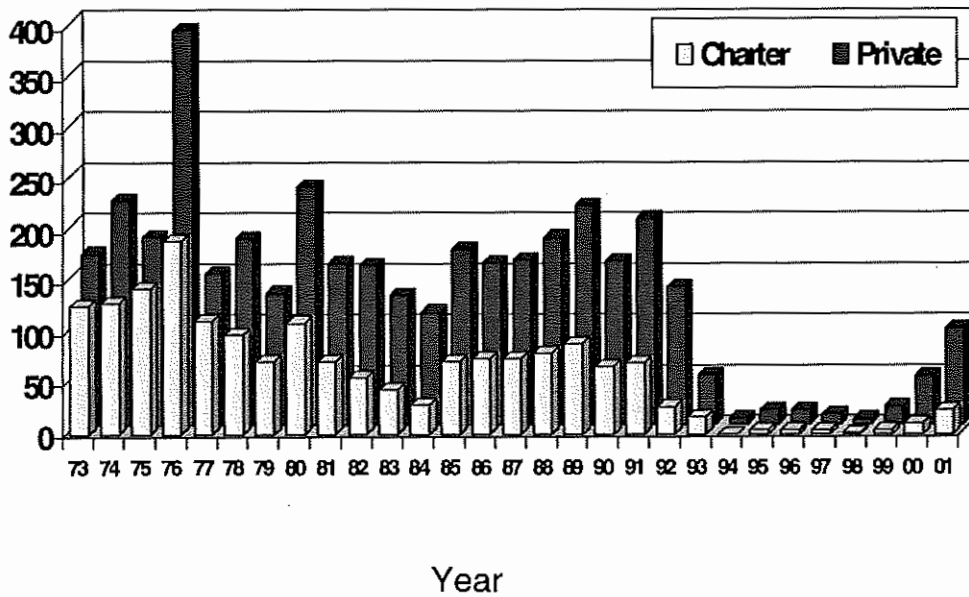
^b Includes: coho, chinook and pink salmon.

^c Bottomfish includes: rockfish, lingcod, flatfish, and miscellaneous species.

Angler Trips (Thousands)



Salmon (Thousands)



Year

Figure 16. A comparison of effort and catch by Oregon ocean salmon charter and private anglers, 1973-2001.

Some private boat anglers fish only for bottomfish even during the salmon season.

Trip type (salmon or bottomfish) ratios were calculated from angler interviews, and applied to the total effort. In years with full salmon seasons, bottomfish trips have typically constituted less than 10% of the effort. In the 2001 season; 28,358 angler trips or 22% of the private trips targeted only bottomfish, compared to 28,224 angler trips or 29% in 2000. Brookings had the most private bottomfish anglers with 8,661 trips, followed by Newport with 7,456 trips.

Private boat angler catch: Anglers from private boats landed 20,824 chinook and 75,013 coho in 2001. The total catch of 95,860 salmon was up 102% from the 47,496 landed in 2000, but is only 78% of the 1981-2000 average of 123,619 fish. Private boat anglers caught 79% of the total recreational salmon landed in 2001, which was still above the 1981-2000 average of 72% (Appendix Table 20 and Figure 16).

Private boat anglers fishing out of Astoria averaged 1.79 salmon per angler trip and landed the most salmon with 33,238 for the 2001 season. Brookings private boat anglers only averaged 0.28 salmon per angler trip with landings of 6,946 salmon for the season. The coastwide angler success rate was 0.94 salmon per angler, up from the 0.69 salmon per angler observed in 2000, and greater than the 1981-2000 average of 0.86 salmon per private boat angler.

ESTIMATES OF RELEASED SALMON

Background

The number of salmon released ("shakers") in the recreational fishery is estimated each year from interview data collected from anglers at the conclusion of their fishing trips by ORBS sampling staff. This data is variable and depends on anglers correctly recalling the number and species of salmon released and varies with the cooperation, expertise, and attitude of the angler. This information, while not exact, is valuable to assess trends in released fish by time and catch area. Although this data is not used in active management, it can be used as a rough estimate to evaluate shaker mortality or other regulation impacts (Appendix Table 22).

Chinook

In 2001, a total of 34,094 chinook were caught by anglers and 6,871 of these were released (20%). The ratio of released per retained chinook peaked in August at 21% and coincides with the annual recruitment of age two chinook to the fishery (Table 15). Astoria had the most released chinook in 2001, as well as the highest release rate with 3,801 (61%) of the chinook handled being released due to the one chinook bag limit.

Table 15. Chinook salmon released by Oregon ocean recreational anglers by port and by statistical month, 2001.

Port of Landing		Month								Total
		April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Astoria	No. Released	-	-	165	1,049	2,371	216	-	-	3,801
	No. Retained	-	-	142	723	1,455	139	-	-	2,459
	% Released	-	-	54	59	62	61	-	-	61
Garibaldi (NOF) ^a	No. Released	0	0	3	14	5	0	0	0	22
	No. Retained	0	0	0	135	28	4	0	0	167
	% Released	0	0	100	9	15	0	0	0	12
Garibaldi (SOF) ^a	No. Released	0	3	25	71	80	23	10	0	212
	No. Retained	0	70	131	439	169	826	431	23	2,089
	% Released	0	4	16	14	32	3	2	0	9
Pacific City	No. Released	-	-	0	14	11	0	-	-	25
	No. Retained	-	-	104	286	65	0	-	-	455
	% Released	-	-	0	5	14	0	-	-	5
Depoe Bay	No. Released	0	3	14	24	0	2	0	-	43
	No. Retained	5	6	93	166	184	217	89	-	760
	% Released	0	33	13	13	0	1	0	-	5
Newport	No. Released	0	1	64	139	141	44	3	-	392
	No. Retained	0	64	269	1,375	2,140	641	71	-	4,560
	% Released	0	2	19	9	6	6	4	-	8
Florence	No. Released	-	-	1	2	0	0	-	-	3
	No. Retained	-	-	21	68	20	0	-	-	109
	% Released	-	-	5	3	0	0	-	-	3
Winchester Bay	No. Released	-	9	219	592	359	67	-	-	1,246
	No. Retained	-	34	841	3,925	1,097	250	-	-	6,147
	% Released	-	21	21	13	25	21	-	-	17
Charleston	No. Released	0	10	28	98	94	0	0	-	230
	No. Retained	12	36	447	1,022	345	25	3	-	1,890
	% Released	0	22	6	9	21	0	0	-	11
Bandon	No. Released	-	0	12	37	20	0	-	-	69
	No. Retained	-	7	131	533	700	6	-	-	1,377
	% Released	-	0	8	6	3	0	-	-	5
Port Orford	No. Released	-	0	0	0	0	0	-	-	0
	No. Retained	-	0	1	0	1	0	-	-	2
	% Released	-	0	0	0	0	0	-	-	0
Gold Beach	No. Released	-	0	0	0	0	0	-	-	0
	No. Retained	-	2	3	0	5	0	-	-	10
	% Released	-	0	0	0	0	0	-	-	0
Brookings	No. Released	0	24	144	60	467	60	73	-	828
	No. Retained	0	805	993	1,213	3,017	314	856	-	7,198
	% Released	0	3	13	5	13	16	8	-	10
Total	No. Released	0	50	507	1,774	2,632	196	86	0	6,871
	No. Retained	17	1,024	3,034	10,211	10,142	2,279	1,450	23	27,223
	% Released	0	5	14	15	21	8	6	0	20

^a (NOF) refers to the Columbia River catch area defined as the area between Cape Falcon, Oregon and Leadbetter Point, Washington. References catches landed in Garibaldi that were either made north of Cape Falcon (NOF), or south of Cape Falcon (SOF).

Table 16. Coho salmon released by Oregon ocean recreational anglers by port and by statistical month, 2001.

Port of Landing		Month								Total
		April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Astoria	No. Released	-	-	572	8,016	15,543	2,730	-	-	26,861
	No. Retained	-	-	859	11,802	21,662	3,612	-	-	37,935
	% Released	-	-	40	40	42	43	-	-	41
Garibaldi (NOF) ^a	No. Released	0	0	10	557	244	36	0	0	847
	No. Retained	0	0	0	876	323	46	0	0	1,245
	% Released	0	0	100	39	43	44	0	0	40
Garibaldi (SOF) ^a	No. Released	0	26	1,355	4,123	1,246	870	294	6	7,920
	No. Retained	0	0	1,847	5,545	37	69	22	0	7,520
	% Released	0	100	42	43	97	93	93	100	51
Pacific City	No. Released	-	-	1,237	2,516	542	0	-	-	4,295
	No. Retained	-	-	1,505	3,219	0	0	-	-	4,724
	% Released	-	-	45	44	100	0	-	-	48
Depoe Bay	No. Released	0	0	2,207	3,515	622	88	6	-	6,438
	No. Retained	0	0	2,884	5,367	0	0	0	-	8,251
	% Released	0	0	43	40	100	100	100	-	44
Newport	No. Released	0	113	2,741	4,801	2,533	323	15	-	10,526
	No. Retained	0	2	4,965	10,273	16	3	0	-	15,259
	% Released	0	98	36	32	99	99	100	-	41
Florence	No. Released	-	-	51	469	277	0	-	-	797
	No. Retained	-	-	202	810	1	0	-	-	1,013
	% Released	-	-	20	37	100	0	-	-	44
Winchester Bay	No. Released	-	169	2,933	8,852	6,145	119	-	-	18,218
	No. Retained	-	12	4,064	7,357	90	4	-	-	11,527
	% Released	-	93	42	55	99	97	-	-	61
Charleston	No. Released	0	50	1,845	3,592	1,903	51	8	-	7,449
	No. Retained	0	7	2,000	3,927	59	0	0	-	5,993
	% Released	0	88	48	48	97	100	100	-	55
Bandon	No. Released	-	1	131	607	709	2	-	-	1,450
	No. Retained	-	0	204	597	2	0	-	-	803
	% Released	-	100	39	50	100	100	-	-	64
Port Orford	No. Released	-	0	0	0	0	0	-	-	0
	No. Retained	-	0	0	0	0	0	-	-	0
	% Released	-	0	0	0	0	0	-	-	0
Gold Beach	No. Released	-	0	0	0	0	0	-	-	0
	No. Retained	-	0	0	0	0	0	-	-	0
	% Released	-	0	0	0	0	0	-	-	0
Brookings	No. Released	0	10	814	415	1,050	82	231	-	2,602
	No. Retained	0	0	16	11	29	0	13	-	69
	% Released	0	100	98	97	97	100	95	-	97
Total	No. Released	0	369	13,314	41,249	36,933	1,535	554	6	87,403
	No. Retained	0	21	17,687	45,998	16,100	76	35	0	94,339
	% Released	0	95	43	47	70	95	94	100	48

^a (NOF) refers to the Columbia River catch area defined as the area between Cape Falcon, Oregon and Leadbetter Point, Washington. References catches landed in Garibaldi that were either made north of Cape Falcon (NOF), or south of Cape Falcon (SOF).

Coho

New regulations in selective coho fisheries required all coho without an adipose fin clip to be released. This combined with very limited open seasons, makes meaningful comparison of release rates within the context of this report impossible. A total of 181,742 coho were handled in 2001 with 87,403 coho being released (48%) (Table 16).

RECREATIONAL OCEAN SALMON CODED WIRE TAG SAMPLING

Recreational samplers from the OSMP working at twelve Oregon coastal ports in 2001 examined 42% of the chinook and 35% of the coho landed for fin clips indicating the presence of a coded wire tag during the ocean recreational season. Due to new selective coho salmon seasons, where all hatchery coho are being fin clipped, special electronic CWT detection wands were used by samplers to identify those coho that actually have a CWT in their snout.

Chinook

Samplers examined 11,317 of the 27,223 chinook landed in 2001 (42%), and found 984 (8.7%) that had adipose fin clips (Table 17). Department staff found readable tags in 708 of the chinook heads for a 72% recovery rate. Most of the observed CWTs were released by California Dept. of Water Resources (47%), US Fish and Wildlife Service (20%), East Bay Municipal District, California (10%), Washington Dept. of Fish and Wildlife (9%), California Dept. of Fish and Game (7%), and Oregon Dept. of Fish and Wildlife (4%). By basin, most of the tagged fish were released in California's Sacramento/San Joaquin Basin (83%), and the Columbia River basin including the Snake River (13%) (Figure 17a).

Coho

Samplers examined 32,883 of the 94,339 coho landed in 2001 (35%), and found 1,933 (5.9%) that had adipose fin clips and registered a positive response to a tag detector (Table 18). Staff found readable tags in 1,724 of the coho heads for an 89% recovery rate. Most of the observed CWTs were released by Washington Dept. of Fish and Wildlife (56%), Oregon Dept. of Fish and Wildlife (29%), and US Fish and Wildlife Service (12%). Most of the tagged fish were released in the Columbia Basin (83%), Washington Coastal streams (7%), Oregon Coastal streams (5%), and the Puget Sound (4%) (Figure 17b).

NOTE: The above CWT data does not represent stock contribution rates since tagging is not representative of all stocks and most stocks of wild fish have no tagging program associated with them.

Table 17. Chinook coded-wire tag sampling from the ocean recreational fishery, by port and statistical month, 2001.

Port of Landing	Month								Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
<u>Astoria</u>									
No. Examined	-	-	37	212	306	34	-	-	589
No. Landed	-	-	142	723	1,455	139	-	-	2,459
% Examined	-	-	26	29	21	24	-	-	24
No. Marks	-	-	13	50	55	8	-	-	126
<u>Garibaldi</u>									
No. Examined	0	31	49	233	63	214	93	14	697
No. Landed	0	70	131	574	197	830	431	23	2,256
% Examined	0	44	37	41	32	26	22	61	31
No. Marks	0	9	16	45	6	18	4	2	100
<u>Pacific City</u>									
No. Examined	-	-	49	141	34	0	-	-	224
No. Landed	-	-	104	286	65	0	-	-	455
% Examined	-	-	47	49	52	0	-	-	49
No. Marks	-	-	4	20	2	0	-	-	26
<u>Depoe Bay</u>									
No. Examined	5	4	41	90	100	102	59	-	401
No. Landed	5	6	93	166	184	217	89	-	760
% Examined	100	67	44	54	54	47	66	-	53
No. Marks	0	1	2	2	6	2	0	-	13
<u>Newport</u>									
No. Examined	0	42	114	723	1,230	401	58	-	2,568
No. Landed	0	64	269	1,375	2,140	641	71	-	4,560
% Examined	0	66	42	53	57	63	82	-	56
No. Marks	0	5	8	69	158	46	4	-	290
<u>Florence</u>									
No. Examined	-	-	15	44	14	0	-	-	73
No. Landed	-	-	21	68	20	0	-	-	109
% Examined	-	-	71	65	70	0	-	-	67
No. Marks	-	-	0	2	0	0	-	-	2
<u>Winchester Bay</u>									
No. Examined	-	17	382	1,406	323	80	-	-	2,208
No. Landed	-	34	841	3,925	1,097	250	-	-	6,147
% Examined	-	50	45	36	29	32	-	-	36
No. Marks	-	0	32	129	21	3	-	-	185

Table 17 continued. Chinook coded wire tag sampling.

Port of Landing	Month								Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
<u>Charleston</u>									
No. Examined	5	24	230	522	196	12	2	-	991
No. Landed	12	36	447	1,022	345	25	3	-	1,890
% Examined	42	67	51	51	57	48	67	-	52
No. Marks	1	2	15	40	15	0	0	-	73
<u>Bandon</u>									
No. Examined	-	7	74	403	406	6	-	-	896
No. Landed	-	7	131	533	700	6	-	-	1,377
% Examined	-	100	56	76	58	100	-	-	65
No. Marks	-	1	8	18	0	0	-	-	27
<u>Port Orford</u>									
No. Examined	-	-	1	0	1	-	-	-	2
No. Landed	-	-	1	0	1	-	-	-	2
% Examined	-	-	100	0	100	-	-	-	100
No. Marks	-	-	0	0	0	-	-	-	0
<u>Gold Beach</u>									
No. Examined	-	1	2	0	1	0	-	-	4
No. Landed	-	2	3	0	5	0	-	-	10
% Examined	-	50	67	0	20	0	-	-	40
No. Marks	-	0	1	0	0	0	-	-	1
<u>Brookings</u>									
No. Examined	0	326	419	557	1,004	110	248	-	2,664
No. Landed	0	805	993	1,213	3,017	314	856	-	7,198
% Examined	0	40	42	46	33	35	29	-	37
No. Marks	0	19	22	27	57	3	13	-	141
<u>Total</u>									
No. Examined	10	452	1,413	4,331	3,678	959	460	14	11,317
No. Landed	17	1,024	3,176	9,885	9,226	2,422	1,450	23	27,223
% Examined	59	44	44	44	40	40	32	61	42
No. Marks	1	37	121	402	320	80	21	2	984

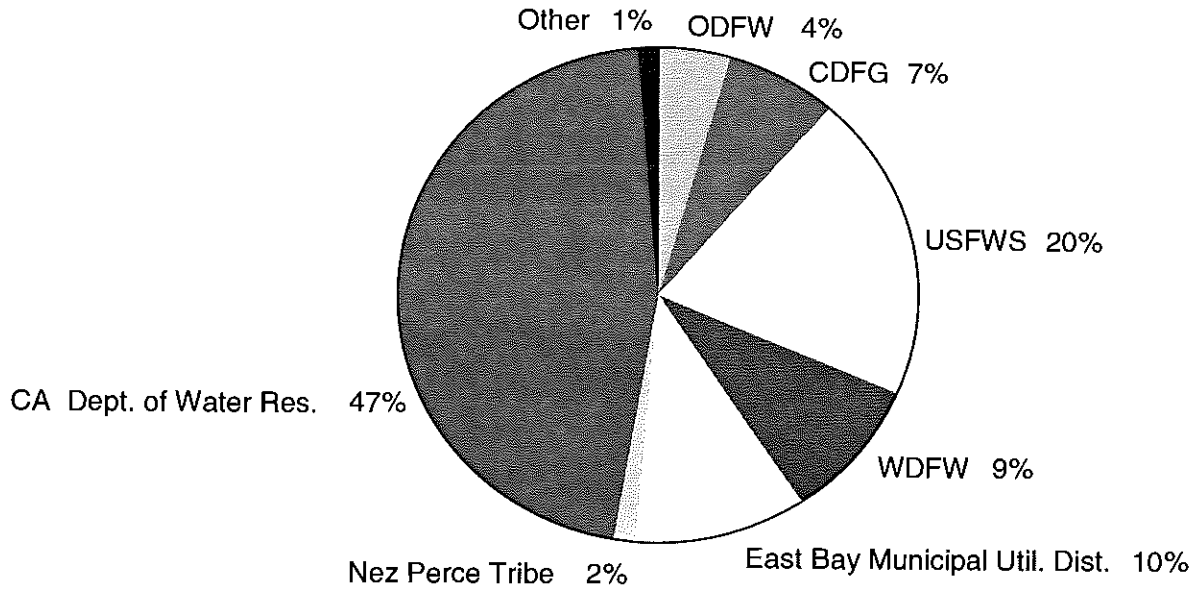
Table 18. Coho coded-wire tag sampling from the ocean recreational fishery, by port and statistical month, 2001.

Port of Landing	Month							Total
	May	June	July	Aug.	Sept.	Oct.	Nov.	
<u>Astoria</u>								
No. Examined	-	223	3,487	4,561	653	-	-	8,924
No. Landed	-	859	11,802	21,662	3,612	-	-	37,935
% Examined	-	26	30	21	18	-	-	24
No. Marks	-	18	230	264	30	-	-	542
<u>Garibaldi</u>								
No. Examined	0	701	2,584	117	37	5	0	3,444
No. Landed	0	1,847	6,421	360	115	22	0	8,765
% Examined	0	38	40	0	32	23	0	39
No. Marks	0	55	162	7	3	0	0	227
<u>Pacific City</u>								
No. Examined	-	749	1,601	0	0	-	-	2,350
No. Landed	-	1,505	3,219	0	0	-	-	4,724
% Examined	-	50	50	0	0	-	-	50
No. Marks	-	45	103	0	0	-	-	148
<u>Depoe Bay</u>								
No. Examined	0	1,249	2,605	0	0	0	-	3,854
No. Landed	0	2,884	5,367	0	0	0	-	8,251
% Examined	0	43	49	0	0	0	-	47
No. Marks	0	30	34	0	0	0	-	64
<u>Newport</u>								
No. Examined	1	2,022	4,236	7	1	0	-	6,267
No. Landed	2	4,965	10,273	16	3	0	-	15,259
% Examined	50	41	41	44	33	0	-	41
No. Marks	1	136	274	1	0	0	-	412
<u>Florence</u>								
No. Examined	-	148	488	1	0	-	-	637
No. Landed	-	202	810	1	0	-	-	1,013
% Examined	-	73	60	100	0	-	-	63
No. Marks	-	4	9	0	0	-	-	13
<u>Winchester Bay</u>								
No. Examined	5	1,689	2,298	26	4	-	-	4,022
No. Landed	12	4,064	7,357	90	4	-	-	11,527
% Examined	42	42	31	29	100	-	-	35
No. Marks	2	121	163	0	0	-	-	286

Table 18 continued. Coho coded-wire tag sampling.

Port of Landing	Month							Total
	May	June	July	Aug.	Sept.	Oct.	Nov.	
<u>Charleston</u>								
No. Examined	5	938	1,880	31	0	0	-	2,854
No. Landed	7	2,000	3,927	59	0	0	-	5,993
% Examined	71	47	48	53	0	0	-	48
No. Marks	0	59	142	1	0	0	-	202
<u>Bandon</u>								
No. Examined	0	117	388	1	0	-	-	506
No. Landed	0	204	597	2	0	-	-	803
% Examined	0	57	65	50	0	-	-	63
No. Marks	0	8	22	0	0	-	-	30
<u>Port Orford</u>								
No. Examined	0	0	0	0	-	-	-	0
No. Landed	0	0	0	0	-	-	-	0
% Examined	0	0	0	0	-	-	-	0
No. Marks	0	0	0	0	-	-	-	0
<u>Gold Beach</u>								
No. Examined	0	0	0	0	0	-	-	0
No. Landed	0	0	0	0	0	-	-	0
% Examined	0	0	0	0	0	-	-	0
No. Marks	0	0	0	0	0	-	-	0
<u>Brookings</u>								
No. Examined	0	7	5	9	0	4	-	25
No. Landed	0	16	11	29	0	13	-	69
% Examined	0	44	45	31	0	0	-	36
No. Marks	0	2	0	7	0	0	-	9
<u>Total</u>								
No. Examined	11	7,843	19,572	4,753	695	9	0	32,883
No. Landed	21	18,546	49,784	22,219	3,734	35	0	94,339
% Examined	52	42	39	21	19	26	0	35
No. Marks	3	478	1,139	280	33	0	0	1,933

Chinook RELEASE AGENCY



BASIN OF RELEASE

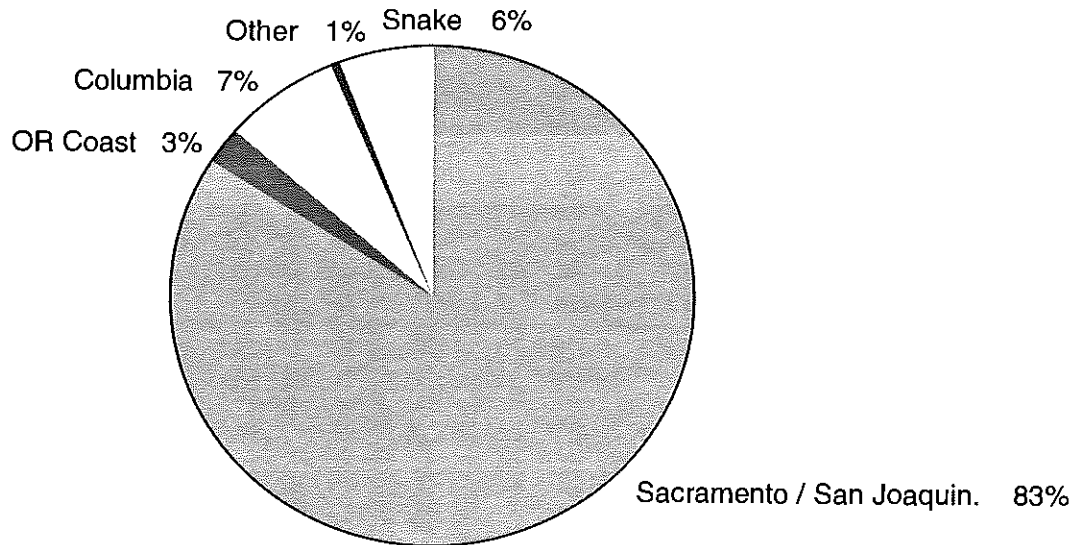
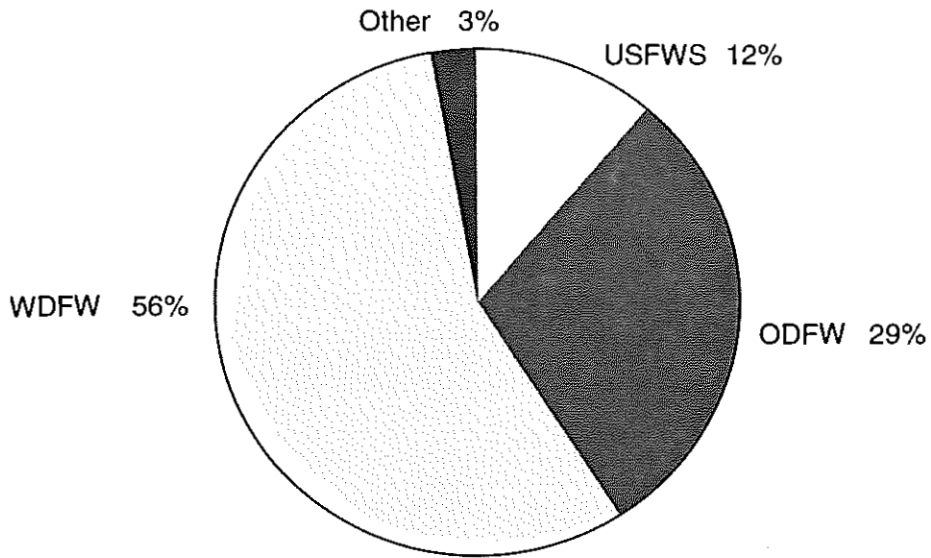


Figure 17a. Recoveries of chinook (N=708) and coded wire tags, by release agency and by basin of release from Oregon's ocean recreational catch, 2001. Note: Does not represent stock contribution rates since tagging is not representative of all stocks.

Coho

RELEASE AGENCY



BASIN OF RELEASE

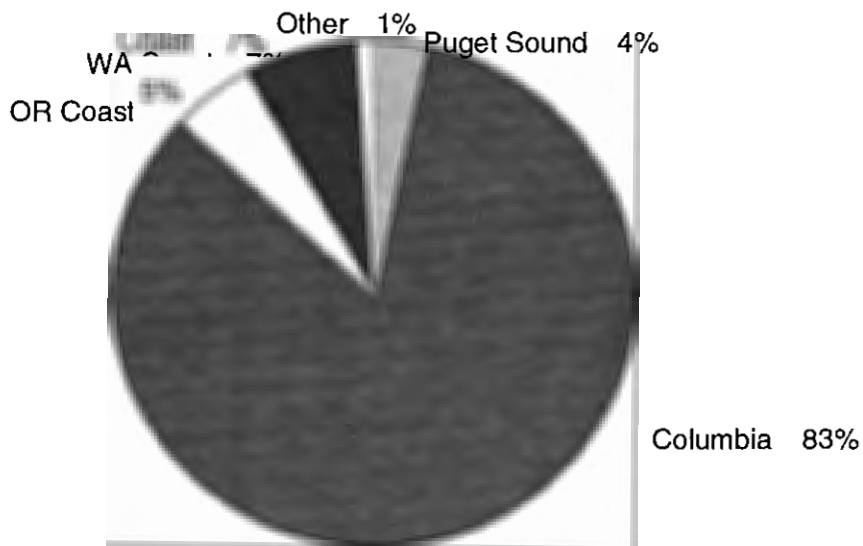


Figure 17b. Recoveries of coho (N=1,724) coded wire tags, by release agency and by basin of release from Oregon's ocean recreational catch, 2001. Note: Does not represent stock contribution rates since tagging is not representative of all stocks.

SPECIAL FISHERIES AND STUDIES

Columbia River Buoy 10 Estuary Fishery

The Columbia River estuary was open from Buoy 10 upstream to a line projected from Rocky Point on the Washington bank, through red buoy 44, to a navigation light at Tongue Point on the Oregon bank beginning August 1. ORBS participates in a cooperative sampling effort of this fishery with ODFW's Columbia River Management Program. Only coho with an adipose fin clip were allowed to be retained. The Oregon/Washington 2001 combined effort totaled 125,829 angler trips as compared to the 2000 effort of only 76,093 angler trips (Table 19). Combined Oregon and Washington salmon landings totaled 12,709 chinook and 132,035 coho. Washington had 52% of the effort and 56% of the total catch.

Table 19. Buoy 10 Columbia River estuary season. Total salmon angler trips and catch, 2001; and totals for 1982-00, Oregon and Washington combined data.

Year	Angler Trips	Catch		Catch/Angler	Chinook/Angler	Coho/Angler
		Chinook	Coho			
1982	17,336	723	18,857	1.13	0.04	1.09
1983	7,128	604	3,574	0.59	0.08	0.50
1984	67,365	12,177	74,370	1.29	0.18	1.10
1985	32,156	2,655	25,387	0.87	0.08	0.79
1986	102,190	15,600	120,422	1.33	0.15	1.18
1987	124,594	42,100	47,170	0.72	0.34	0.38
1988	186,051	30,770	143,417	0.94	0.17	0.77
1989	144,848	15,900	78,720	0.65	0.11	0.54
1990	76,411	5,149	18,435	0.31	0.07	0.24
1991	168,921	11,549	207,527	1.30	0.07	1.23
1992	115,481	10,655	43,082	0.47	0.09	0.37
1993	75,774	5,288	20,932	0.35	0.07	0.28
1994	9,253	0	1,795	0.19	NA	0.19
1995	25,186	853	5,026	0.23	0.03	0.20
1996	18,034	1,409	4,537	0.33	0.08	0.25
1997	55,725	13,153	20,357	0.60	0.24	0.37
1998	29,998	5,784	3,175	0.30	0.19	0.11
1999	49,568	9,850	8,960	0.38	0.20	0.18
2000	76,093	6,085	21,418	0.36	0.08	0.28
2001 Total	125,829	12,709	132,035	1.15	0.10	1.05
OR Boat	56,058	5,625	57,885	1.13	1.03	0.10
OR Bank	4,115	10	523	0.13	0.00	0.13
WA Boat	65,656	7,074	73,627	1.23	1.12	0.11
WA Bank	0	0	0	0.00	0.00	0.00

November Chinook Fishery off Tillamook Bay

The fall chinook state waters (0-3 miles) recreational fishery off Tillamook Bay was extended for the period of November 1-15, from Twin Rocks south to Pyramid Rock. This fishery, commonly referred to as the "Tillamook Bubble", targets fall chinook returning to tributary streams of Tillamook Bay, and coincides with the very popular and larger fishery that takes place within Tillamook Bay and its tributaries. Most anglers fish within a mile of the jetties, and many troll back and forth over the bar. Sampling of the November extension off Tillamook in 2001 resulted in an estimated effort of 162 ocean angler trips with a catch of 23 chinook.

November-December Fishery off Port Orford

We did not sample the recreational portion of this fishery in 2001. The ocean sport catch in this fishery has been nonexistent or minimal (<50 fish) in all years based on post season analysis of salmon catch records.

October Fishery off Brookings

The fall state waters (0-3 miles) recreational fishery off Brookings is designed to target fall chinook returning to the Chetco River. The open area in 2001 was from Twin Rocks to the OR/CA border. The season was open from Oct. 1 through 12. Effort for this fishery totaled 4,661 angler trips (Table 20). Private boats made up 96% of the total effort for this fishery. The chinook catch totaled 856 fish. Angler success averaged 0.18 chinook per angler. A total of 231 coho were estimated to have been released by anglers.

Only ten readable coded wire tags were recovered from chinook in this fishery in 2001. Eight were from releases into the Chetco River, and the remaining two tags came from releases in California's Central Valley.

Table 20. Summary of Chetco River Area recreational terminal ocean fishery by boat type, 2001.

Statistical Week	CHARTER BOATS					PRIVATE BOATS					TOTAL				
	Angler Trips	Landed		Released		Angler Trips	Landed		Released		Angler Trips	Landed		Released	
		Chinook	Coho	Chinook	Coho		Chinook	Coho	Chinook	Coho		Chinook	Coho	Chinook	Coho
40	100	24	-	-	6	2,748	540	4	48	194	2,848	564	4	48	200
41	106	9	-	1	1	1,707	283	9	24	30	1,813	292	9	25	31
Total	206	33	-	1	7	4,455	823	13	72	224	4,661	856	13	73	231

Tillamook Bay Fall Creel

In 1994, 1995, and 1996; the OSMF was funded to conduct an intensive statistical creel survey of the fall chinook fishery in Tillamook Bay. Since 1997, the OSMF has continued to collect Tillamook Bay fishery effort and catch data during the fall chinook fishery, but only to the extent allowed by utilizing existing ocean sampling staff. For 2001, the fall creel data collection began September 13 and continued through November 11 when all sampling ceased. In some years, the bay fishery is divided into as many as three sampling/fishing zones: The lower bay zone (mouth of Tillamook Bay upstream to the Garibaldi boat basin entrance), the mid bay zone (Garibaldi boat basin entrance upstream to the Bay City flats), and the upper bay zone (Bay City flats to the confluence of the Trask

and Tillamook Rivers) (Figure 18). Due to staffing limitations, all sampling occurred at Garibaldi, the upper bay zone was not representatively sampled in 2001, and the mid and upper bay zones were combined into a single catch estimate.

Boat counts were made at two hour intervals, stratified by weekday and weekend categories, and Area Under the Curve (AUC) methodology was used to calculate boat hours by area for each week. Boat hours were then converted to boat trips by dividing the boat hours for each area by the average hours fished per boat. The 2001 effort during the fall fishery is estimated at 23,661 angler trips (Table 21). Catches in the bay totaled 1,455 chinook and 629 coho. An additional 44 chinook and 825 coho were released by anglers.

Gear Profile

Beginning in 1999, OSM selectively collected profiles of fishing methods and gear types being used by charter and private boat anglers. The information collected gives very general information on trends by port and season type i.e. open or closed for coho. Profiles were collected during dockside interviews, as well as by direct observation by at-sea observers. Charter captains often structure their gear to maximize the number and effective configuration of their gear to match their boat and reduce tangles, and this often results in a number of different weighting and attractor set-ups on an individual boat.

Trolling was far and away the preferred fishing method in all ports, in all seasons, and for both charters and private boats. During the selective coho season nearly 100% of the anglers trolled, while during the all-salmon-except-coho season 6% of the anglers mooched. (Table 22).

During the coho seasons, in most ports, the majority of anglers preferred to use a diving plane (72% of charter anglers and 65% of private boat anglers) as their method of getting their lure or bait down to fishing depth. However in Bandon, usage was split more evenly between diving planes, lead sinkers, and downriggers (Table 23). During the chinook season from Cape Falcon to Humbug Mt., diving planes were prohibited only during the month of April. Charter boats were closely split between divers (50%) and downriggers (42%), while private boats preferred downriggers (49%). One exception was at Garibaldi where 84% of the private boat anglers were using lead weights during the chinook season.

In many cases, salmon anglers used an attractor device (commonly referred to as a dodger or flasher) just ahead of the lure or bait. During the 2001 all-salmon-except-coho season between Cape Falcon and Humbug Mt., attractors were prohibited except when used in conjunction with a downrigger during the month of April. Attractors were used by the majority of anglers (74% of all charter anglers and 74% of all private boat anglers) during the all-salmon-except-coho season (Table 24). During the selective coho season attractors were used by the majority of anglers (64% of all charter anglers and 81% of all private boat anglers) in all ports except Astoria.

Table 21. Tillamook Bay recreational fishery creel 2001 (sampling occurred only in Garibaldi); effort and catch estimates by statistical week.^a

Lower Bay (Garibaldi Boat Basin to Mouth)

Statistical Week	Angler Trips	Landed Chinook	Landed Coho	Released Chinook	Released Coho	Chinook/Angler	Coho/Chinook
36 Sept. 3 - 9	938	72	109	7	53	0.08	2.05
37 Sept. 10 - 16	464	58	26	0	20	0.13	0.79
38 Sept. 17 - 23	1,304	81	143	0	28	0.06	2.11
39 Sept. 24 - 30	1,615	99	175	0	85	0.06	2.63
40 Oct. 1 - 7	1,497	94	18	0	64	0.06	0.87
41 Oct. 8 - 14	1,257	142	20	0	153	0.11	1.22
42 Oct. 15 - 21	994	97	3	0	122	0.10	1.29
43 Oct. 22 - 28	646	95	0	28	34	0.19	0.28
44 Oct. 29 - Nov. 4	473	5	0	0	0	0.01	0.00
45 Nov. 5 - Nov. 11	580	53	0	0	20	0.09	0.38
Totals	9,768	796	494	35	579	0.09	1.29

Mid and Upper Bay (Memaloose to Garibaldi Boat Basin)^b

Statistical Week	Angler Trips	Landed Chinook	Landed Coho	Released Chinook	Released Coho	Chinook/Angler	Coho/Chinook
36 Sept. 3 - 9	944	0	9	4	4	0.00	3.25
37 Sept. 10 - 16	548	12	28	0	8	0.02	3.00
38 Sept. 17 - 23	1,327	61	32	5	5	0.05	0.56
39 Sept. 24 - 30	1,897	67	24	0	8	0.04	0.48
40 Oct. 1 - 7	2,147	102	17	0	36	0.05	0.52
41 Oct. 8 - 14	2,199	142	18	0	121	0.06	0.98
42 Oct. 15 - 21	2,036	139	7	0	45	0.07	0.37
43 Oct. 22 - 28	1,134	53	0	0	12	0.05	0.23
44 Oct. 29 - Nov. 4	749	41	0	0	7	0.05	0.17
45 Nov. 5 - Nov. 11	912	42	0	0	0	0.05	0.00
Totals	13,893	659	135	9	246	0.05	0.57

All Areas Combined

Statistical Week	Angler Trips	Landed Chinook	Landed Coho	Released Chinook	Released Coho	Chinook/Angler	Coho/Chinook
36 Sept. 3 - 9	1,882	72	118	11	57	0.04	2.11
37 Sept. 10 - 16	1,012	70	54	0	28	0.07	1.17
38 Sept. 17 - 23	2,631	142	175	5	33	0.06	1.41
39 Sept. 24 - 30	3,512	166	199	0	93	0.05	1.76
40 Oct. 1 - 7	3,644	196	35	0	100	0.05	0.69
41 Oct. 8 - 14	3,456	284	38	0	274	0.08	1.10
42 Oct. 15 - 21	3,030	236	10	0	167	0.08	0.75
43 Oct. 22 - 28	1,780	148	0	28	46	0.10	0.26
44 Oct. 29 - Nov. 4	1,222	46	0	0	7	0.04	0.15
45 Nov. 5 - Nov. 11	1,492	95	0	0	20	0.06	0.21
Totals	23,661	1,455	629	44	825	0.06	0.97

^a Refer to Figure 18 for fishery zone designations.

^b Upper Bay was not systematically sampled but effort and catch estimates are included with Mid Bay.

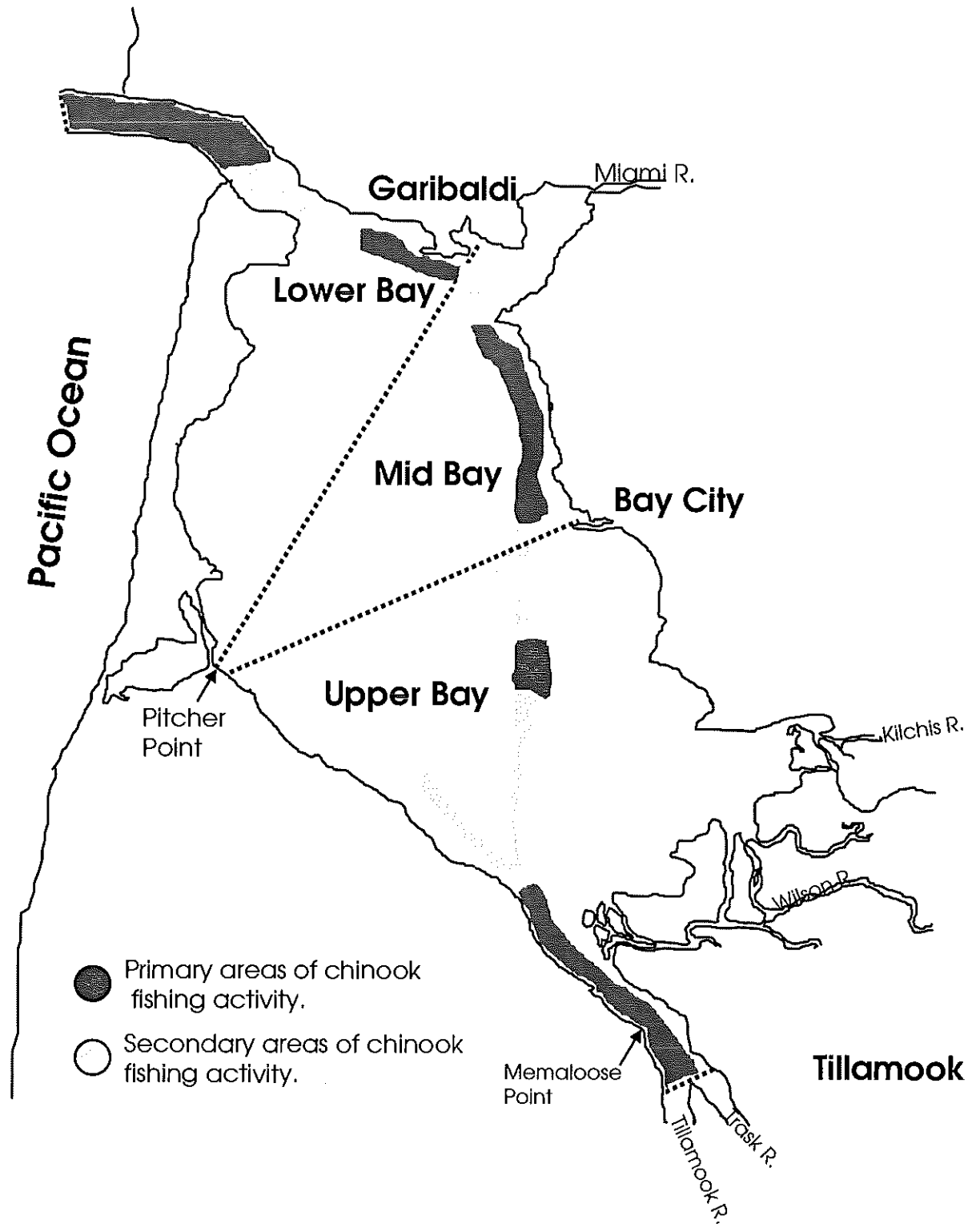


Figure 18. Map of Tillamook Bay, Oregon showing the boundaries for the bay zones used in the 2001 creel survey, and areas of primary and secondary fishing activity.

In Table 25, angler preference for use of lures or bait is profiled. "Bait" included terminal tackle that primarily consisted of baitfish or a "plug-cut" baitfish (head removed at an angle). Types of baitfish most commonly used include: Pacific herring (*Clupea pallasii*), northern anchovy (*Engraulis mordax*), and Pacific sardine (*Sardinops sagax*). "Lures" are defined as artificial items that are designed to induce a strike because of resemblance to natural prey items or motion of the lure. Typical lures include hootchies, spoons, plugs, flies, and spinners. The single most frequently used lure was the "hootchie", which is a soft plastic skirt that resembles a squid and comes in a variety of colors.

Port and boat type gear selection differences were the most obvious in choosing between lures and bait. Charters in most ports during the coho season selected lures in preference to bait except for Astoria, Winchester Bay, and Bandon. For private boats, lures were preferred during the coho season in Pacific City, Depoe Bay, and Newport. During the chinook season, bait was usually the top choice for all anglers (charter and private) except in Pacific City.

Over 85% of the lures used were hootchies. Spoons were the second most commonly used lure type accounting for 11% of the lures used. It is important to note that many anglers attach a small chunk or fillet of a baitfish on the hook of their hootchie, but these were still considered lures unless the bait was the dominant feature of the terminal tackle.

At Sea Observations of the Selective Coho Fishery

During the 2001 selective coho salmon seasons, OSM provided at sea observer coverage on board charter vessels, and several private boat trips were also observed by staff. The primary purpose of the observations was to collect data to verify release rates on coho salmon, and to be able to compare dockside reported release rates to those observed at sea. In the season north of Cape Falcon to Leadbetter Pt., Washington we observed a total of 41 vessel trips with 1,325 observations of handled coho, of which 909 were retained and 372 were released because they did not have an adipose fin clip (71% marked coho rate), the remaining 44 coho were released because they did not meet the minimum legal length (Table 26).

In the Cape Falcon to Humbug Mt. selective coho season, we observed a total of 62 vessel trips with 1,067 observations of handled coho. The handled coho included 731 legal adipose fin clipped coho that were retained and 328 legal sized coho without a clipped adipose that were released (69% marked coho rate). There were an additional 8 sublegal coho that were released.

Table 22. Gear profile of angling methods used for ocean salmon fishing off Oregon, 2001 (ISD = insufficient data defined as <20 angler trips profiled). Profiles are stratified for the selective coho season and for the all species except coho seasons. Note that regulations defined legal gear during the all species except coho fishery, and limited options.

Selective Coho	Charter Boat Anglers			Private Boat Anglers		
	Trolling ^a	Mooching ^b	Other ^c	Trolling ^a	Mooching ^b	Other ^c
Astoria	100%	0%	0%	100%	0%	0%
Garibaldi	100%	0%	0%	100%	0%	0%
Pacific City	100%	0%	0%	98%	2%	0%
Depoe Bay	100%	0%	0%	99%	0%	1%
Newport	100%	0%	0%	100%	0%	0%
Florence	ISD	ISD	ISD	100%	0%	0%
Winchester Bay	100%	0%	0%	100%	0%	0%
Charleston	ISD	ISD	ISD	98%	2%	0%
Bandon	100%	0%	0%	100%	0%	0%
Port Orford	ISD	ISD	ISD	ISD	ISD	ISD
Gold Beach	ISD	ISD	ISD	ISD	ISD	ISD
Brookings	ISD	ISD	ISD	ISD	ISD	ISD
Coastwide Total^d	100%	0%	0%	99%	1%	0%

All Except Coho	Charter Boat Anglers			Private Boat Anglers		
	Trolling ^a	Mooching ^b	Other ^c	Trolling ^a	Mooching ^b	Other ^c
Astoria	ISD	ISD	ISD	ISD	ISD	ISD
Garibaldi	ISD	ISD	ISD	99%	1%	0%
Pacific City	ISD	ISD	ISD	100%	0%	0%
Depoe Bay	ISD	ISD	ISD	ISD	ISD	ISD
Newport	100%	0%	0%	92%	8%	0%
Florence	ISD	ISD	ISD	ISD	ISD	ISD
Winchester Bay	99%	1%	0%	92%	7%	0%
Charleston	100%	0%	0%	94%	6%	0%
Bandon	100%	0%	0%	100%	0%	0%
Port Orford	ISD	ISD	ISD	ISD	ISD	ISD
Gold Beach	ISD	ISD	ISD	ISD	ISD	ISD
Brookings	81%	19%	0%	94%	6%	0%
Coastwide Total^d	94%	6%	0%	94%	6%	0%

^a Trolling defined as the boat moving through the water under power, and towing lure or bait, generally no additional action is imparted to the terminal tackle by the angler.

^b Mooching defined as boat is generally drifting or under power only enough to create a steady drift, and angler actively moves lure or bait (usually a bait) up and down through the water column.

^c Other methods included casting, jigging, fly angling, etc.

^d Coastwide totals were calculated to account for angling effort levels at all ports where sufficient gear profile sampling occurred.

Table 23. Gear profile of angling methods used for ocean salmon fishing off Oregon, 2001 (ISD = insufficient data defined as <20 angler trips profiled). Profiles are stratified for the selective coho season and for the all species except coho seasons. Note that regulations defined legal gear during the all species except coho fishery, and limited options. Shaded areas denote gear used that was illegal under adopted regulations.

Selective Coho	Charter Boat Anglers				Private Boat Anglers			
	Diver ^a	Lead ^b	Downrigger ^c	Other ^d	Diver ^a	Lead ^b	Downrigger ^c	Other ^d
Astoria	100%	0%	0%	0%	85%	9%	5%	0%
Garibaldi	92%	0%	8%	0%	67%	21%	12%	0%
Pacific City	ISD	ISD	ISD	ISD	73%	9%	14%	4%
Depoe Bay	83%	0%	17%	0%	98%	0%	2%	0%
Newport	70%	4%	26%	0%	65%	5%	29%	0%
Florence	ISD	ISD	ISD	ISD	55%	21%	16%	8%
Winchester Bay	62%	0%	38%	0%	52%	15%	32%	1%
Charleston	ISD	ISD	ISD	ISD	56%	12%	32%	0%
Bandon	47%	0%	53%	0%	37%	24%	39%	0%
Port Orford	ISD	ISD	ISD	ISD	ISD	ISD	ISD	ISD
Gold Beach	ISD	ISD	ISD	ISD	ISD	ISD	ISD	ISD
Brookings	ISD	ISD	ISD	ISD	ISD	ISD	ISD	ISD
Coastwide Total^e	72%	1%	27%	0%	65%	11%	23%	1%

All Except Coho	Charter Boat Anglers				Private Boat Anglers			
	Diver ^a	Lead ^b	Downrigger ^c	Other ^d	Diver ^a	Lead ^b	Downrigger ^c	Other ^d
Astoria	ISD	ISD	ISD	ISD	ISD	ISD	ISD	ISD
Garibaldi	ISD	ISD	ISD	ISD	7%	84%	8%	0%
Pacific City	ISD	ISD	ISD	ISD	41%	18%	41%	0%
Depoe Bay	ISD	ISD	ISD	ISD	ISD	ISD	ISD	ISD
Newport	8%	0%	93%	0%	27%	21%	52%	0%
Florence	ISD	ISD	ISD	ISD	ISD	ISD	ISD	ISD
Winchester Bay	46%	6%	48%	0%	26%	36%	38%	1%
Charleston	ISD	ISD	ISD	ISD	20%	20%	60%	0%
Bandon	46%	0%	54%	0%	56%	4%	40%	0%
Port Orford	ISD	ISD	ISD	ISD	ISD	ISD	ISD	ISD
Gold Beach	ISD	ISD	ISD	ISD	ISD	ISD	ISD	ISD
Brookings	62%	21%	18%	0%	33%	10%	57%	0%
Coastwide Total^e	50%	8%	42%	0%	28%	22%	49%	0%

^a Diver is defined as a planing device designed to use water pressure on the face while being pulled through the water to force it to depth. Common commercial names include: "Pink Lady", "Deep Six", and "Dipsy Diver".

^b Lead is defined as any weight attached to the line to take the line to depth. Generally this includes lead sinkers in any of several forms that are tied, clipped, or otherwise directly affixed.

^c Downrigger is defined as a secondary line with a large weight that is attached to the angler's fishing line by means of a quick release mechanism. The quick release is designed to free the anglers line from the weight once a fish has struck the lure or bait.

^d Other is defined as any technique other than already described. In most cases, it was limited to instances where anglers used no additional weight on the line i.e. casting a lure, jigging, or fly casting.

^e Coastwide totals were calculated to account for angling effort levels at all ports where sufficient gear profile sampling occurred.

Table 24. Gear profile of angling methods used for ocean salmon fishing off Oregon, 2001 (ISD = insufficient data defined as <20 angler trips profiled). Profiles are stratified for the selective coho season and for the all species except coho seasons. Note that regulations defined legal gear during the all species except coho fishery, and limited options.

Selective Coho	Charter Boat Anglers		Private Boat Anglers	
	Attractor Used	No Attractor	Attractor Used	No Attractor
Astoria	1%	99%	37%	63%
Garibaldi	58%	42%	63%	37%
Pacific City	ISD	ISD	91%	9%
Depoe Bay	90%	10%	94%	6%
Newport	63%	37%	88%	12%
Florence	ISD	ISD	53%	47%
Winchester Bay	98%	2%	84%	16%
Charleston	ISD	ISD	95%	5%
Bandon	51%	49%	56%	44%
Port Orford	ISD	ISD	ISD	ISD
Gold Beach	ISD	ISD	ISD	ISD
Brookings	ISD	ISD	ISD	ISD
Coastwide Total^b	64%	36%	81%	19%

All Except Coho	Charter Boat Anglers		Private Boat Anglers	
	Attractor Used	No Attractor	Attractor Used	No Attractor
Astoria	ISD	ISD	ISD	ISD
Garibaldi	ISD	ISD	13%	87%
Pacific City	ISD	ISD	100%	0%
Depoe Bay	ISD	ISD	ISD	ISD
Newport	75%	25%	62%	38%
Florence	ISD	ISD	ISD	ISD
Winchester Bay	90%	10%	65%	35%
Charleston	100%	0%	63%	37%
Bandon	52%	48%	74%	26%
Port Orford	ISD	ISD	ISD	ISD
Gold Beach	ISD	ISD	ISD	ISD
Brookings	81%	19%	87%	13%
Coastwide Total^b	74%	26%	74%	26%

^a Attractors are defined as a piece of equipment attached to the line ahead of the terminal lure or bait, and designed to add motion or create flash to attract fish to the lure or bait. Attractors include traditional dodgers or flashers as well as atypical items such as plug bodies or spinner blades.

^b Coastwide totals were calculated to account for angling effort levels at all ports where sufficient gear profile sampling occurred.

Table 25. Gear profile of angling methods used for ocean salmon fishing off Oregon, 2001 (ISD = insufficient insufficient data defined as <20 angler trips profiled). Profiles are stratified for the selective coho season and for the all species except coho seasons. Note that regulations defined legal gear during the all species except coho fishery, and limited options.

Selective Coho	Charter Boat Anglers		Private Boat Anglers	
	Lure	Bait	Lure	Bait
Astoria	33%	67%	12%	88%
Garibaldi	58%	42%	29%	71%
Pacific City	ISD	ISD	69%	31%
Depoe Bay	88%	12%	68%	32%
Newport	95%	5%	72%	28%
Florence	ISD	ISD	45%	55%
Winchester Bay	49%	51%	7%	93%
Charleston	ISD	ISD	49%	51%
Bandon	1%	99%	13%	87%
Port Orford	ISD	ISD	ISD	ISD
Gold Beach	ISD	ISD	ISD	ISD
Brookings	ISD	ISD	ISD	ISD
Coastwide Total^b	53%	47%	41%	59%

All Except Coho	Charter Boat Anglers		Private Boat Anglers	
	Lure	Bait	Lure	Bait
Astoria	ISD	ISD	ISD	ISD
Garibaldi	ISD	ISD	3%	97%
Pacific City	ISD	ISD	68%	32%
Depoe Bay	ISD	ISD	ISD	ISD
Newport	95%	5%	35%	65%
Florence	ISD	ISD	ISD	ISD
Winchester Bay	0%	100%	3%	97%
Charleston	ISD	ISD	36%	64%
Bandon	1%	99%	4%	96%
Port Orford	ISD	ISD	ISD	ISD
Gold Beach	ISD	ISD	ISD	ISD
Brookings	29%	71%	5%	95%
Coastwide Total^b	12%	88%	9%	91%

^a Lures are defined as an artificial item that is attached where the fish is desired to strike. Those artificial lures that were tipped with a chunk or fillet of bait were still classed as lures. When a whole bait or plug cut bait had a small lure attached ahead of it, it was classed as a bait.

^b Coastwide totals were calculated to account for angling effort levels at all ports where sufficient gear profile sampling occurred.

Table 26. Summary of at sea observations of the Oregon recreational selective coho salmon fishery, 2001.

Catch Area	Stat. Week	Coho Salmon				Chinook Salmon		Fish Lost ^d	Other Fish Handled ^e
		Legal and Retained	Released - Not Marked ^a	Mark Rate ^b	Released Small ^c	Legal and Retained	Released		
Astoria	27	27	10	73%	1	5	15	32	0
	28	51	27	65%	3	2	1	19	0
	29	143	39	79%	0	2	11	94	1
	30	110	49	69%	6	5	19	86	0
	31	94	42	69%	7	12	47	75	3
	32	97	45	68%	6	11	21	50	0
	33	130	46	74%	2	4	31	57	1
	34	50	30	63%	0	2	8	37	0
	35	103	30	77%	1	3	9	40	0
	36	44	21	68%	11	0	3	26	0
	37	35	18	66%	4	0	3	51	0
38	25	15	63%	3	1	9	34	1	
Total		909	372	71%	44	47	177	601	6
Tillamook	25	12	3	80%	0	2	0	1	0
	26	7	6	54%	0	0	0	3	2
	27	31	15	67%	0	6	0	15	0
	28	87	55	61%	1	2	0	6	0
	29	13	8	62%	0	2	0	0	0
Total		150	87	63%	1	12	0	25	2
Newport	25	49	18	73%	1	2	2	38	0
	26	47	31	60%	1	0	0	50	0
	27	66	51	56%	0	2	1	81	1
	28	115	35	77%	0	6	0	63	0
	29	61	18	77%	3	3	0	31	2
Total		338	153	69%	5	13	3	263	3
Coos Bay	25	26	8	76%	0	4	2	14	0
	26	32	19	63%	0	6	0	18	0
	27	40	16	71%	0	9	0	27	0
	28	133	39	77%	1	35	2	110	0
	29	12	6	67%	1	23	0	19	0
Total		243	88	73%	2	77	4	188	0
Sum of Falcon to Humbug Mt. ¹	25	87	29	75%	1	8	4	53	0
	26	86	56	61%	1	6	0	71	2
	27	137	82	63%	0	17	1	123	1
	28	335	129	72%	2	43	2	179	0
	29	86	32	73%	4	28	0	50	2
Total		731	328	69%	8	102	7	476	5

^a Fish that were of legal size, and released because they had an adipose fin that had not been clipped.

^b Mark rate is calculated as the number of legal sized fin clipped coho divided by the sum of the number of legal size fin clipped and non-clipped coho salmon.

^c This field includes all coho salmon that were released for reasons other than the lack of an adipose fin clip. The primary reason for release was because the fish was below the minimum legal length or close to it.

^d Fish lost included any obvious hook-ups of more than a few seconds. In many cases, fish were identified to species or at least as "salmon", and the majority of lost fish were undoubtedly salmon based on the observed interceptions that could be identified. All fish lost were summed for this table.

^e Other fish handled included all other fish that were either kept or released by anglers. These included blue shark, blue rockfish, Pacific halibut, jack mackerel, Pacific mackerel, and steelhead.

¹ Sum of Falcon to Humbug Mt. includes observer trips in the Tillamook, Newport, and Coos Bay catch areas.

ACKNOWLEDGEMENTS

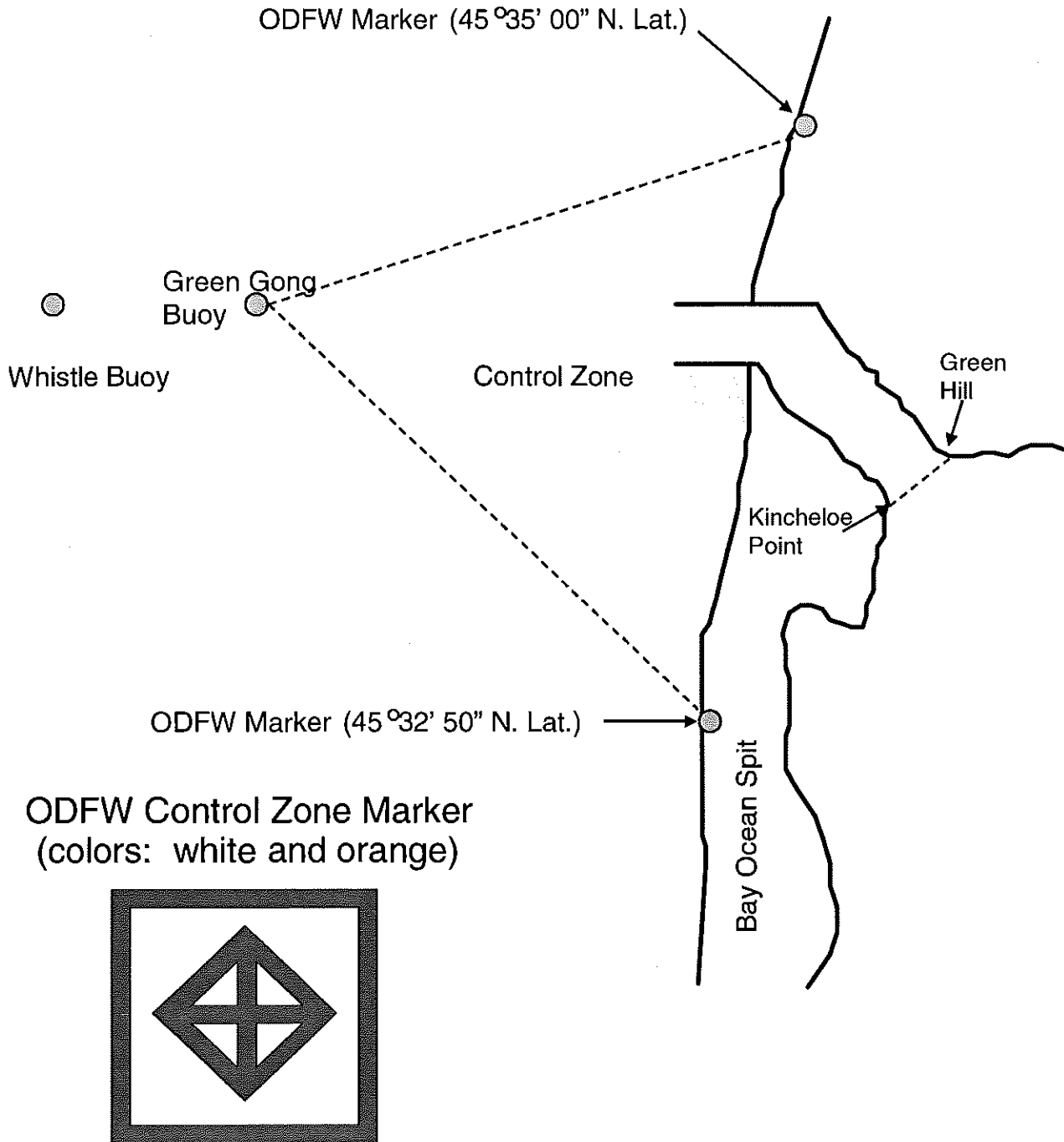
Almost everyone in the Ocean Salmon Management Program at one time or another provided assistance to the ocean sampling program. However, we especially appreciate the help of sampling coordinators Robert Bradley and Chris Stephens and all seasonal samplers (Appendix table 1). Special recognition is due the Data Management Project Leader Phil Flanders and Carrie White for their help in processing the data, training, and general assistance throughout the year.

During the 2001 season many of our at sea observations of the coho selective fishery were conducted by ODFW staff who volunteered to "look over the rail", and their "contributions" are duly noted. In addition, we want to thank the charter offices, skippers, and charter crew who allowed us to place the observers on their boats including: Tiki Charters, Astoria – C/V Escapade; Charleton Deep Sea Charters, Warrenton – C/V Ruby Sea; Warrenton Deep Sea Fishing, Warrenton – C/V Thunderbird; Tackletime Bait Shop, Warrenton – C/V Lady Dee; Linda Sue III Charters, Garibaldi – C/V Oakland Pilot, C/V Bullfrog, and C/V Herbie; D & D Charters, Garibaldi – C/V D & D; Norwester Charters, Garibaldi – C/V Norwester; Andrea K Charters, Garibaldi – C/V Andrea K; Tradewinds Charters, Depoe Bay – C/V Mr. Max, C/V Enterprise, and C/V Prime Time; Dockside Charters, Depoe Bay – C/V Sampson; Joan E Charters, Depoe Bay – C/V Mary Beth and C/V Joan-E; Sea Gull Charters, Newport – C/V Miss Raven, C/V Sea Quell, C/V Hustler, and C/V Surfrider; Bayfront Charters, Newport – C/V Lady Val; Tradewinds Charters, Newport – C/V Smokee, C/V Blitz, C/V Sea Pirate, C/V Sea Venture I, C/V Misty, and C/V Ilwaco Indian; Newport Marina Store and Charters, Newport – C/V Umatilla II; Strike Zone Charters, Winchester Bay – C/V Strike Zone; and Prowler Charters, Bandon – C/V MisChief and C/V Barbara K.

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APPENDIX



Appendix Figure 1. Location of the control zone off Tillamook Bay with diagram of ODFW marker.

Appendix Table 1. Seasonal field sampling personnel hired by the ODFW Ocean Salmon Management Program, 2001 (Primary assignments in bold, special duty assignments in italics).

Port	Sampler	Dates	Primary Duties
Astoria	Pamela Engblom	June 12 – Sept. 30	Commercial troll
	Michelle O'Shea	June 18 – Sept. 30	Recreational
	Jesse Paulson	June 18 – Sept. 15	Recreational
	Kat Lattimer	July 27 – Sept. 23	Recreational
	Albert Pollreisz	June 18 – Aug. 30	Selective fishery observer
Garibaldi	Jane Butterfield	Mar. 5 – Nov. 15	Combination troll/recreational
	Peter Susi	May 1 – Oct. 17	Combination troll/recreational
	Rachel Werner	Apr. 2 – June 20	Combination troll/recreational
	Greg Jackle	June 30 – Sept. 3	Combination troll/recreational
	Steve Johnson	June 18 – Sept. 30	Observer
Pacific City	Heather Dengler	June 18 – Sept. 16	Recreational
Depoe Bay	Chris Calardo	Jan. 1 – Oct. 28	Recreational
	<i>Daniel LaPoint</i>	<i>Jan. 1 – Mar. 6</i>	<i>Recreational</i>
	Brian VanNice	June 18 – Sept. 29	Observer
Newport	Brett Wiedoff	Apr. 2 – Oct. 16	Commercial troll
	Jeff Sagara	May 1 – Sept. 29	Commercial troll
	<i>Chris Calardo</i>	<i>Jan 1 – Mar. 9</i>	<i>Recreational</i>
	Daniel LaPoint	Jan 1 – Sept. 30	Recreational/biological sampling
	Mary Conser	May 1 – Sept. 22	Recreational
	Suzette Frazier	May 1 – Sept. 4	Recreational
	Joe Haxel	May 1 – May 20	Recreational
	Cindy McKamy	May 30 – Oct. 28	Recreational
Brian VanNice	June 18 – Sept. 29	Observer	
Florence	Tiffany Newkirk	June 18 – Sept. 16	Recreational
Winchester Bay	Sandy Kennedy	July 1 – Sept. 3	Combination troll/recreational
	Dan Jenkins	May 1 – Sept. 30	Combination troll/recreational
Coos Bay	Brett Hopkins	Apr. 2 – Oct. 17	Commercial troll
	Jan Smyth	May 1 – Aug. 13	Commercial troll
	Cameron Hinman	May 1 – Sept. 30	Recreational
	James Wallace	Jan. 1 – Oct. 31	Combination troll/recreational
Bandon	Erica Lupton	May 1 – Sept. 16	Recreational
Port Orford	Paul DeFoor	May 1 – June 18	Recreational
	Sue Gouley	June 21 – Sept. 6	Combination troll/recreational
Gold Beach	Elizabeth Willey	May 1 – Sept. 16	Recreational
Brookings	Karen Hans	Apr. 1 – June 9	Recreational
	James Sowell	June 18 – Sept. 3	Recreational
	Ziphora Chaim	May 1 – Oct. 31	Recreational
	Rod Black	Jan 1 – Oct. 31	Combination troll/recreational

North Coast Sampling Coordinator: Robert Bradley
South Coast Sampling Coordinator: Chris Stephens

Appendix Table 2. Ocean troll fishery mark sampling rates by port, year, and species, 1991-2001.
(NS = Salmon landed, but no sampling)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
CHINOOK											
Astoria	11	52	2	NS	NS	NS	NS	NS	NS	12	9
Gearhart	8	NS	NS	-	-	-	-	-	NS	NS	NS
Cannon Beach	NS	NS	NS	-	-	-	-	-	-	NS	NS
Nehalem	-	-	-	-	-	NS	NS	-	-	-	-
Garibaldi	7	40	13	31	30	21	48	42	40	22	16
Netarts	NS	NS	-	NS	-	NS	NS	-	-	-	-
Pacific City	19	2	NS	NS	NS	NS	NS	NS	NS	NS	NS
Salmon River	-	-	-	NS	-	-	-	-	-	-	-
Depoe Bay	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Newport	29	32	30	18	31	43	45	26	26	32	35
Waldport	-	-	-	-	-	-	-	-	-	-	-
Florence	52	37	9	12	7	9	25	NS	15	40	1
Winchester Bay	15	NS	NS	NS	NS	29	36	NS	31	7	24
Coos Bay	21	NS	21	26	23	28	34	47	25	25	46
Bandon	NS	NS	NS	NS	NS	NS	2	NS	NS	1	NS
Port Orford	NS	93	50	61	47	49	32	14	28	30	10
Gold Beach	NS	-	-	95	52	99	52	13	NS	5	12
Brookings	58	NS	NS	52	46	27	43	46	42	40	42
Total	24	29	24	23	27	36	41	27	25	26	32
COHO											
Astoria	24	14	14	-	-	-	-	-	-	56	44
Gearhart	40	NS	NS	-	-	-	-	-	-	NS	NS
Cannon Beach	2	NS	NS	-	-	-	-	-	-	NS	NS
Nehalem	-	-	-	-	-	-	-	-	-	-	-
Garibaldi	21	45	NS	-	-	-	-	-	-	-	87
Netarts	NS	NS	-	-	-	-	-	-	-	-	-
Pacific City	31	19	-	-	-	-	-	-	-	-	-
Salmon River	-	-	-	-	-	-	-	-	-	-	-
Depoe Bay	2	NS	-	-	-	-	-	-	-	-	-
Newport	29	32	NS	-	-	-	-	-	-	-	100
Waldport	-	-	-	-	-	-	-	-	-	-	-
Florence	48	49	-	-	-	-	-	-	-	-	-
Winchester Bay	28	NS	-	-	-	-	-	-	-	-	-
Coos Bay	28	NS	NS	-	-	-	-	-	-	-	-
Bandon	NS	NS	-	-	-	-	-	-	-	-	-
Port Orford	NS	-	-	-	-	-	-	-	-	-	-
Gold Beach	NS	-	-	-	-	-	-	-	-	-	-
Brookings	1	-	-	-	-	-	-	-	-	-	-
Total	27	30	9	NA	NA	NA	NA	NA	NA	55	40
# Samplers	8 ^b	10 ^a	6 ^a	4 ^a	2 ^b	2 ^c	4 ^d	3 ^e	3 ^d	2 ^f	5 ^g

^a Two additional employees sampled the troll fishery on a part-time basis.

^b Three additional employees sampled the troll fishery on a part-time basis.

^c Six additional employees sampled the troll fishery during limited periods or on a part-time basis.

^d Eight additional employees sampled the troll fishery during limited periods or on a part-time basis.

^e Seven additional employees sampled the troll fishery during limited periods or on a part-time basis.

^f Sixteen additional employees sampled the troll fishery during limited periods or on a part-time basis.

^g Ten additional employees sampled the troll fishery during limited periods or on a part-time basis.

Appendix Table 3. History of actual Oregon ocean commercial troll fishery regulations, 1948-2001.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
Prior to 1948	No restrictions	
1948 <u>Oregon Coast</u> 1/1 - 12/31 7/1 - 11/15	All except coho All salmon	size limit: chinook - 27", no gear restrictions. chinook - 27", coho - none.
1949-55 <u>Oregon Coast</u> 3/15 - 10/31 6/15 - 10/31	All except coho All salmon	Chin. 26". Chin. 26".
1956-75 <u>Oregon Coast</u> 4/15 - 10/31 6/15 - 10/31	All except coho All salmon	Chin. 26". Chin. 26"; coho 15" beginning in 1965.
1974-75 <u>Elk & Chetco River areas</u> 11/1 - 12/31	All except coho	Chin. 26" - state waters only.
1976 <u>North of Tillamook Head</u> 5/1 - 6/14 7/1 - 9/15	All except coho All salmon	Chin. 28"; until 6/6; then 26". Chin. 26"; coho, 16".
<u>South of Tillamook Head</u> 5/1 - 6/14 6/15 - 10/31	All except coho All salmon	Chin. 26"; barbless hooks, except on whole bait or plugs. Chin. 26"; coho, 16".
<u>Elk & Chetco River areas</u> 11/1 - 11/30	All except coho	Chin. 26" - state waters only.
1977 as above	as above	Chin. 28" N. of Tillamook Head; 26" S. of Tillamook Head. Coho 16". Gear restrictions as above.
1978 Area boundary moved from Tillamook Head to Cape Falcon	as above	
1979 <u>North of Cape Falcon</u> 5/1 - 5/31 7/1 - 24; 8/4 - 31	All except coho All salmon	Chin. 28"; barbless hooks, except on whole bait or plugs. Chin. 28"; coho 16".
<u>South of Cape Falcon</u> 5/1 - 5/31 7/1 - 9/3 9/4 - 10/31	All except coho All salmon All except coho	Chin. 26"; barbless hooks except on whole bait or plugs. Chin. 26"; coho 16". Chin. 26".
<u>Elk & Chetco River areas</u> 11/1 - 11/30	All except coho	Chin. 26". State waters only.
1980 <u>North of Cape Falcon</u> 5/1 - 5/31 7/15 - 9/8	All except coho All salmon	Chin. 28"; barbless hooks, except on whole bait or plugs. Chin. 28"; coho 16".
<u>South of Cape Falcon</u> 5/1 - 5/31	All except coho	Chin. 26"; barbless hooks, except on whole bait or plugs.
<u>Cape Falcon to Cape Blanco</u> 6/16 - 6/30	All except coho	Chin. 26"; whole bait, or plugs 6" or longer.
<u>South of Cape Falcon</u> 7/15 - 9/8 9/9 - 10/31	All salmon All except coho	Chin. 26"; coho 16". Chin. 26".
<u>Elk & Chetco River areas</u> 11/1 - 11/30	All except coho	Chin. 26". State waters only.
1981 <u>North of Cape Falcon</u> 5/1 - 5/31 7/15 - 8/21 8/22 - 8/24	All except coho All salmon All salmon	Chin. 28", barbless hooks, except on whole bait or plugs. Chin. 28"; coho 16". Chin. 28"; coho 16". State waters only.
<u>South of Cape Falcon</u> 5/1 - 5/31 7/1 - 8/21 8/22 - 8/24	All except coho All salmon All salmon	Chin. 26"; barbless hooks, except on whole bait or plugs. Chin. 26"; coho 16". Chin. 26"; coho 16". State waters only.
<u>C. Falcon to Cape Sebastian</u> 8/22 - 8/24 8/25 - 9/8	All except coho All except coho	Chin. 26"; whole bait, or plugs 5" or larger. Chin. 26"; whole bait, or plugs 5" or larger. State waters only.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-2001.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
(1981 continued)		
<u>South of Cape Falcon</u> 9/9 - 10/31	All except coho	Chin. 26".
<u>Elk & Chetco River areas</u> 11/1 - 11/30	All except coho	Chin. 26". State waters only.
1982 <u>North of Cape Falcon</u> 5/1 - 5/31 7/1 - 7/8	All except coho All salmon	Chin. 28"; barbless hooks, except on whole bait or plugs. Chin. 28"; coho 16".
<u>South of Cape Falcon</u> 5/1 - 5/31 6/1 - 6/15 7/1 - 7/12 7/13 - 9/5 9/6 - 10/31	All except coho All except coho All salmon All except coho All except coho	Chin. 26"; barbless hooks, except on whole bait. Chin. 26"; whole bait, or plugs not less than 5" long. Chin. 26"; coho 16". Chin. 26"; whole bait, or plugs not less than 5" long. Chin. 26"; barbless hooks, except on whole bait or plugs.
<u>South of Cape Blanco</u> 5/1 - 6/8	All except coho	Chin. 26"; whole bait, or plugs not less than 5" long.
<u>Elk & Chetco River areas</u> 11/1 - 11/30	All except coho	Chin. 26". State waters only.
1983 <u>North of Cape Falcon</u> 5/1 - 5/31 7/1 - 7/31	All except coho All salmon	Chin. 28"; barbless hooks, except on plugs not less than 5". Chin. 28"; coho, 16"; only plugs not less than 6". Must land 2 chin. for each coho retained.
<u>Columbia River S. Jetty to Cape Falcon</u> 8/10 - 9/8	All salmon	Chin. 28"; coho 16"; open out to 10 miles only.
<u>Cape Falcon to Cape Blanco</u> 5/1 - 5/31 6/1 - 6/15 9/5 - 10/31	All except coho All except coho All except coho	Chin. 26"; barbless hooks, except on whole bait or plugs (not less than 5"). Chin. 26"; whole bait, or plugs not less than 5" long. Chin. 26".
<u>Cape Falcon to Cape Kiwanda</u> 8/1 - 9/4	All salmon	Chin. 26"; coho 16".
<u>Cape Kiwanda to Heceta Head</u> 7/1 - 7/25; 8/1 - 9/4	All salmon	Chin. 26"; coho 16".
<u>Cape Perpetua to Cape Blanco</u> 7/26 - 7/31	All except coho	Chin. 26"; whole bait or plugs not less than 5".
<u>Heceta Head to Cape Blanco</u> 7/1 - 25 8/1 - 9/9	All salmon All except coho	Chin. 26", coho 16". Chin. 26"; whole bait, or plugs not less than 5".
<u>Cape Blanco to OR/CA border</u> 5/16 - 5/31 6/1 - 6/15 7/1 - 7/25 7/26 - 8/31 9/1 - 9/15 10/1 - 10/31	All except coho All except coho All salmon All except coho All except coho All except coho	Chin. 26"; barbless hooks only, not more than 6 troll lines. Chin. 26"; whole bait, or plugs not less than 5" long. Chin. 26"; coho 16". Chin. 26"; whole bait, or plugs not less than 5" long. Chin. 26". Open area is 12 x 24 mile rectangle around mouth of Rogue River. Chin. 26".
<u>Cape Blanco to Humbug Mt.</u> 11/1 - 11/30	All except coho	Chin. 26". State waters only.
1984 <u>North of Cape Falcon</u> 5/1 - 5/7	All except coho	Chin. 28"; barbless hooks. Columbia River Mouth Conservation Zone closed.
<u>Columbia River S. Jetty to Cape Falcon</u> 8/4 - 8/6	All salmon	Chin. 28"; coho 16"; barbless hooks.
<u>Cape Falcon to Cape Blanco</u> 5/1 - 6/15; 7/1 - 8/31 9/1 - 9/21	All except coho All except coho	Chin. 26"; barbless hooks. Chin. 26"; state waters only. Contravention of fed. regulation.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-2001.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
(1984 continued)		
<u>Manhattan Beach to Pyramid Rock (Tillamook)</u> 10/1 - 10/31	All except coho	Chin. 26"; barbless hooks. State waters only.
<u>Cape Blanco to OR/CA border</u> 5/16 - 6/6; 7/16 - 8/22	All except coho	Chin. 26"; barbless hooks.
<u>Cape Blanco to Humbug Mt.</u> 10/1 - 11/30	All except coho	Chin. 26"; state waters only; barbless hooks.
1985 <u>North of Cape Falcon</u> 5/1 - 5/14; 5/21 - 5/31	All except coho	Chin. 28"; barbless hooks, except on whole bait or plugs. Columbia River Mouth Conservation Zone closed.
<u>Columbia River S. Jetty to Cape Falcon</u> 8/21	All salmon	Chin. 28"; coho 16"; barbless hooks, except on whole bait or plugs.
<u>Cape Falcon to Cape Blanco</u> 5/1 - 6/30 7/1 - 7/26 7/27 - 10/31	All except coho All salmon All except coho	Chin. 26"; barbless hooks, except on whole bait or plugs. Chin. 26"; coho 16"; barbless hooks. One more coho than chinook may be kept, provided at least 1 chinook is kept. Chin. 26"; barbless hooks.
<u>Tower Rock to Cape Blanco</u> 11/1 - 11/30	All except coho	Chin. 26"; barbless hooks. State waters only.
<u>Cape Blanco to Humbug Mt.</u> 10/1 - 11/30	All except coho	Chin. 26"; barbless hooks. State waters only.
1986 <u>North of Cape Falcon</u> 5/1-10; 5/14-17; 5/24-27; 5/30-31 8/2-3; 8/7-9	All except coho All salmon	Chin. 28"; barbless hooks. Columbia River Mouth Conservation Zone closed. Chin. 28"; Coho 16". Barbless hooks.
<u>Cape Falcon to Cape Perpetua</u> 5/1 - 6/30 7/1-20; 7/23-24 7/25 - 10/31	All except coho All salmon All except coho	Chin. 26"; barbless hooks. Chin. 26"; coho 16"; barbless hooks. Single daily landing or possession of up to 50 coho. No additional coho can be landed or possessed unless chinook are also landed at a ratio of at least 1 chinook for every 2 coho. Chin. 26"; barbless hooks.
<u>Twin Rocks to Pyramid Rock (Tillamook)</u> 11/1 - 15	All except coho	Chin. 26"; barbless hooks. State waters only.
<u>Cape Perpetua to Cape Blanco</u> 5/1 - 6/30 7/1 - 20 7/23 - 24 7/25 - 10/31	All except coho All salmon All salmon All except coho	Chin. 26"; barbless hooks. Chin. 26"; Coho 16"; barbless hooks. No coho could be landed without landing chinook at a ratio of at least 1 chinook for each 2 coho. Same regulations as in Cape Falcon to Cape Perpetua (for 7/1-24 see above). Chin. 26"; barbless hooks.
<u>Sisters Rocks to Chetco Point</u> 5/1 - 6/6	All except coho	Chin. 26"; barbless hooks. Open only within 6 nautical miles of shore.
<u>Cape Blanco to OR/CA border</u> 6/16 - 19; 6/23 - 26 6/30 - 7/5; 7/17-24 7/25 - 8/26	All salmon All except coho	Chin. 26"; Coho 22"; barbless hooks. At least one chinook must be possessed or landed for each 2 coho possessed or landed. Chin. 26"; barbless hooks.
<u>Sisters Rock to Mack Arch</u> 8/29	All except coho	Chin. 26"; barbless hooks. Open only within 6 nautical miles of shore.
<u>Cape Blanco to Humbug Mt.</u> 10/1 - 11/26	All except coho	Chin. 26"; barbless hooks. State waters only.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-2001.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
1987 <u>North of Cape Falcon</u> 5/1-10; 5/14-15	All except coho	Chin. 28"; barbless hooks. Columbia River Mouth Conservation Zone closed. Chinook harvested in this fishery must be landed north of Cape Falcon unless reported to the U.S. Coast Guard.
7/25-26	All salmon	Chin. 28"; coho 16"; barbless hooks. Landing restrictions as above. Columbia River Mouth Conservation Zone closed; nearshore area closure 0 to 3 miles from Tillamook Head to Red Buoy Line and 0 to 10 miles between Red Buoy Line and Queets River.
<u>Cape Falcon to Cape Perpetua</u> 5/1 - 7/14 7/15-28; 8/1-28	All except coho All salmon	Chin. 26"; barbless hooks. Chin. 26"; coho 16"; barbless hooks. Single daily possession or landing of up to 100 coho/vessel. At least 1 chinook required for each 2 coho over 100.
<u>Cape Falcon to Cape Blanco</u> 8/29 - 9/15	All salmon	Chin. 26"; coho 16"; barbless hooks. 200 coho may be possessed or landed without chinook restrictions. Over 200 coho, at least 1 chinook must be possessed or landed for each 2 coho possessed or landed.
9/16 - 10/31	All except coho	Chin. 26"; barbless hooks. All commercial salmon fishing closed 9/16-18 from Cape Arago to Cape Blanco.
<u>Cape Perpetua to Cape Blanco</u> 5/1 - 6/30 7/1-28; 8/1-28	All except coho All salmon	Chin. 26"; barbless hooks. Chin. 26"; coho, 16"; barbless hooks. At least 1 chinook must be possessed or landed for each 2 coho possessed or landed except that 1 coho may be possessed or landed without having a chinook.
<u>Sisters Rocks to Chetco Point</u> 5/1-14	All except coho	Chin. 26"; barbless hooks.
<u>Cape Blanco to OR/CA border</u> 6/1-3; 6/7-10; 6/14-25	All salmon	Chin. 26"; coho 22"; barbless hooks. At least 1 chinook must be possessed or landed for each 1 coho except that 1 coho may be possessed or landed without having a chinook.
<u>Cape Blanco to Humbug Mt.</u> 10/1 - 11/30	All except coho	Chin. 26"; barbless hooks. State waters fishery.
1988 <u>North of Cape Falcon</u> 5/1 - 6/14	All except coho	Chin. 28"; barbless hooks. Columbia River Mouth Conservation Zone closed.
<u>Cape Falcon to Orford Reef Red Buoy</u> 5/1 - 6/30	All except coho	Chin. 26"; barbless hooks.
<u>Cape Falcon to Cascade Head</u> 7/1 - 8/19	All salmon	Chin. 26"; coho 16"; barbless hooks. From 7/1-13 mixed loads of chinook and coho or coho only loads could not be landed between Cascade Head and Cape Arago unless the load met the possession and landing ratios for that area.
8/20 - 10/31	All except coho	Chin. 26"; barbless hooks.
<u>Cascade Head to Cape Arago</u> 7/1 - 13	All salmon	Chin. 26"; coho 16"; barbless hooks. At least 1 chinook must be possessed or landed for each 2 coho possessed or landed except there was a single daily possession or landing per vessel of 2 coho w/o the ratio requirement. Mixed loads of chinook and coho or coho only loads must be delivered in the sub-area.
7/16 - 8/19 8/20 - 10/31	All salmon All except coho	As above but no ratio requirement. Chin. 26"; barbless hooks.
<u>Cape Arago to Orford Reef Red Buoy</u> 7/16 - 8/19	All salmon	Chin. 26"; coho 16"; barbless hooks. No ratio requirement.
8/20 - 31; 9/16 - 10/31	All except coho	Chin. 26"; barbless hooks.
<u>Sisters Rocks to Chetco Point</u> 5/1 - 4	All except coho	Chin. 26"; barbless hooks. From shore out to 6 miles only.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-2001.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
(1988 continued)		
<u>Humbug Mt. to Punta Gorda</u> 6/5 - 7	All salmon	Chin. 26"; coho 22"; barbless hooks. Sun. through Wed. only.
<u>Sisters Rocks to Mack Arch</u> 9/1 - 14	All except coho	Chin. 26"; barbless hooks.
<u>Orford Reef Red Buoy to Humbug Mountain</u> 10/1 - 31	All except coho	Chin. 26"; barbless hooks. State waters only.
<u>Cape Blanco to Humbug Mt.</u> 11/1 - 30	All except coho	As above.
1989 <u>North of Cape Falcon</u> 5/1 - 6/8; 6/13 - 15	All except coho	Chin. 28"; barbless hooks. Columbia River Mouth Conservation Zone closed.
8/21; 8/24 - 9/10	All salmon	Chin. 28"; coho 16"; barbless hooks. Columbia River Mouth Conservation Zone closed. Open south of Columbia River 8/21; and extended north to Leadbetter Point from 8/24. Daily landing limit of 40 coho and 4 chinook in effect through 8/27; daily landing of 40 coho and 8 chinook from 8/28 through 9/10. All salmon must be landed within this area.
<u>Cape Falcon to Cascade Head</u> 5/1 - 7/11; 8/18 - 10/31 7/12 - 7/14	All except coho All salmon	Chin. 26"; barbless hooks. Chin. 26"; coho 16"; barbless hooks. Mixed loads of coho and chinook, or coho only must be landed in this area.
7/18 - 8/17	All salmon	Chin. 26"; coho 16"; barbless hooks. A daily landing limit of 50 coho through 8/13; from 8/14 through 17 at least 1 chinook must be possessed or landed for each 2 coho possessed or landed; except that if no chinook were possessed, a single daily landing of 2 coho was permitted. Mixed loads of coho and chinook, or coho only must be landed in this area.
<u>Cascade Head to Orford Reef Red Buoy</u> 5/1 - 6/23; 8/18 - 10/31	All except coho	Chin. 26"; barbless hooks. The subarea from Cape Arago to Port Orford Reef Red Buoy was closed 8/18 - 31.
7/1 - 14	All salmon	Chin. 26"; coho 16"; barbless hooks. A daily landing limit of 50 coho, plus 3 coho for each chinook landed. Mixed loads of chinook and coho, or coho only must be landed in this area. All chinook must be delivered with the coho.
7/18 - 8/17	All salmon	Chin. 26"; coho 16"; barbless hooks. At least 1 chinook must be landed for each 2 coho, except that a single daily landing of 2 coho without any chinook is permitted. Mixed loads of coho & chinook, or coho only loads must be landed in this area. All chinook must be delivered with the coho.
<u>Orford Reef Red Buoy to Humbug Mountain</u> 10/1 - 31	All except coho	Chin. 26"; barbless hooks. State waters only.
<u>Cape Blanco to Humbug Mountain</u> 11/1 - 30	All except coho	As above.
<u>Sisters Rocks to House Rock</u> 5/1 - 2	All except coho	Chin. 26"; barbless hooks. Open from 0-6 nautical miles only.
<u>Sisters Rocks to Mack Arch</u> 9/1 - 14	All except coho	As above.
<u>Humbug Mountain to OR/CA Border</u> 6/5 - 8	All salmon	Chin. 26"; coho 22"; barbless hooks. A single daily landing of 20 chinook per day. All salmon must be delivered in this area.
8/18 - 20; 8/22 - 31	All except coho	As above.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-2001.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
<u>1990 US-Canada Border to Cape Falcon</u> 5/1 - 5/14; 5/18 - 5/27; 5/31 - 6/2; 6/8 - 6/11; 6/14 8/18 - 21; 8/25 - 26	All except coho All salmon	Chin. 28"; barbless hooks. Columbia River Mouth Conservation Zone closed. Chin. 28"; coho 16"; barbless hooks. Columbia River Mouth Conservation Zone closed. Open period restriction of 20 chinook & 200 coho per vessel. All fish must be landed and delivered in the area.
<u>Leadbetter Point to Cape Falcon</u> 8/30-9/14; 9/18-19; 9/22-10/15	All salmon	Chin. 28"; coho 16"; barbless hooks. Columbia River Mouth Conservation Zone closed. Single daily landing of 50 coho, with one additional coho for each chinook landed. From 9/22 - 10/15 daily landing increased to 100 coho. All salmon must be landed in the area.
<u>Cape Falcon to Humbug Mt.</u> 5/1 - 6/25; 9/1 - 10/31	All except coho	Chin. 26"; barbless hooks.
<u>Cape Falcon to Cascade Head</u> 7/4 - 7/15 7/16 - 8/31	All except coho All salmon	Chin. 26"; barbless hooks. Chin. 26"; coho 16"; barbless hooks. Single daily landing of 50 coho plus 1 coho for each chinook. All coho must be landed in area or in adjacent closed areas.
<u>Cascade Head to Humbug Mt.</u> 7/4 - 31 (Cape Arago to Humbug Mt. closed 7/10-17 & 7/24-31)	All salmon	Chin. 26"; coho 16"; barbless hooks. At least one chinook must be landed for each coho, except a landing of 1 coho and no chinook is permitted. Loads with coho must be delivered in this area.
8/1 - 31 (Cape Arago to Humbug Mt. closed 8/7-14)	All except coho	Chin. 26"; barbless hooks.
<u>Sisters Rocks to House Rock</u> 5/1 - 24	All except coho	Chin. 26"; barbless hooks. Open 0-6 miles from shore. All salmon must be landed in this area.
<u>Sisters Rocks to Punta Gorda</u> 8/1 - 6; 8/8 - 31	All except coho	Chin. 26"; barbless hooks. All salmon must be landed in this area.
<u>Sisters Rocks to Mack Arch</u> 9/3 - 16	All except coho	Chin. 26"; barbless hooks. All salmon must be landed in this area.
<u>43°30'00"N to Cape Arago</u> 11/1 - 14	All salmon	Chin. 26"; coho 16"; barbless hooks. Open 0-3 miles from shore. Experimental fishery 10 vessels selected through drawing. All salmon must be landed into Coos Bay.
<u>1991 US-Canada Border to Cape Falcon</u> 5/1 - 6/15	All except coho	Chin. 28"; barbless hooks. Columbia River Mouth Conservation Zone closed.
<u>Leadbetter Point to Cape Falcon</u> 8/10 - 11	All salmon	Chin. 28"; coho 16"; barbless hooks. Columbia River Mouth Conservation Zone closed. Open period landing restriction of 100 coho per vessel.
<u>Copalis Head to Cape Falcon</u> 9/1 - 2	All salmon	Chin. 28"; coho 16"; barbless hooks. Columbia River Mouth Conservation Zone closed. Open period landing restriction of 75 coho per vessel. All salmon must be landed North of Cape Falcon.
<u>Cape Falcon to Cascade Head</u> 5/1 - 6/30 7/1 - 14 7/15 - 23; 8/1 - 10/31	All except coho All salmon All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per line. Chin. 26"; coho 16"; barbless hooks. Chin. 26"; barbless hooks.
<u>Cascade Head to Florence S. Jetty</u> 5/1 - 6/23 6/24 - 7/11 7/12 - 23; 8/1 - 10/31	All except coho All salmon All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per line. Chin. 26"; coho 16"; barbless hooks. Chin. 26"; barbless hooks.
<u>Florence S. Jetty to Cape Arago</u> 6/24 - 7/11 7/12 - 14; Aug. 1 - 9	All salmon All except coho	Chin. 26"; coho 16"; barbless hooks. Chin. 26"; barbless hooks.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-2001.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
(1991 continued)		
<u>Florence S. Jetty to Humbug Mt.</u> 9/1 - 10/31	All except coho	Chin. 26"; barbless hooks.
<u>Sisters Rocks to Mack Arch</u> 9/1 - 15	All except coho	Chin. 26"; barbless hooks. Open 0-6 miles from shore. All salmon must be landed in this area.
1992 <u>US-Canada Border to Cape Falcon</u> 5/1 - 6/15	All except coho	Chin. 28"; barbless hooks. Columbia River Mouth Conservation Zone closed.
7/20 - 21	All salmon	Chin. 28"; coho 16"; barbless hooks. Columbia River Mouth Conservation Zone closed. No more than 4 spreads per line, 6 inch or larger plugs only. Open period landing restriction of 30 coho per vessel. All salmon must be delivered in this area or adjacent closed areas within 24 hours of closure.
7/25 - 27; 7/31 - 8/2; 8/6 - 8; 8/12 - 14; 8/20 - 22	All salmon	Chin. 28"; coho 16"; barbless hooks. Columbia River Mouth Conservation Zone closed. No more than 4 spreads per line, 6 inch or larger plugs only. Open period landing restriction of 44 coho per vessel. All salmon must be delivered in this area or adjacent closed areas within 24 hours of each closure.
<u>Cape Falcon to Florence S. Jetty</u> 5/1 - 31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per line.
<u>Cape Falcon to Cascade Head</u> 7/22 - 8/21	All salmon	Chin. 26"; coho 16"; barbless hooks. At least one chinook must be landed for each two coho. All loads with coho must be delivered in this area or in adjacent closed areas north of Cascade Head.
8/22 - 31	All salmon	Chin. 26"; coho 16"; barbless hooks. Single daily landing limit of 25 coho plus 2 coho for each chinook. All loads with coho must be delivered in this area or in adjacent closed areas north of Cascade Head.
9/1 - 10/31	All except coho	Chin. 26"; barbless hooks.
<u>Cascade Head to Florence S. Jetty</u> 7/22 - 8/7	All salmon	Chin. 26"; coho 16"; barbless hooks. At least one chinook must be landed for each two coho. All loads with coho must be delivered in this area or in adjacent closed areas south of Cascade Head.
8/8 - 10/31	All except coho	Chin. 26"; barbless hooks.
<u>Cape Blanco to Humbug Mt.</u> 10/24 - 26	All except coho	Chin. 26"; barbless hooks. State waters fishery.
1993 <u>US-Canada Border to Cape Falcon</u> 5/1 - 6/15	All except coho	Chin. 28"; barbless hooks. Columbia River Mouth Control Zone closed.
7/14 - 17, 7/21 - 24 7/28 - 31, 8/4 - 6	All salmon	Chin. 28"; coho 16"; barbless hooks. Columbia River Mouth Control Zone closed. No more than 4 spreads per line. Gear restricted to plugs and/or whole bait 6 inches or larger. Open period landing restriction at 50 coho per opening. All salmon must be delivered in this area or adjacent closed area within 24 hours of each closure.
<u>Queets River to Cape Falcon</u> 8/27 - 28	All salmon	Chin. 28"; coho 16"; barbless hooks. Columbia River Mouth Control Zone closed. Open period landing restriction of 35 coho per opening. All salmon must be delivered in this area or adjacent closed area within 24 hours of each closure.
9/1 - 4; 9/9 - 12; 9/16 - 19	All salmon	Chin. 28"; coho 16"; barbless hooks. Columbia River Mouth Control Zone closed. Open period landing restriction of 70 coho per opening. All salmon must be delivered in this area or in adjacent closed area within 24 hours of each closure.
<u>Cape Falcon to Florence S. Jetty</u> 5/1 - 10/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per line.
<u>Florence S. Jetty to Cape Arago</u> 5/1 - 6/30; 9/1 - 10/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per line.
<u>Cape Arago to Humbug Mt.</u> 5/1 - 31; 9/1 - 10/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per line.
<u>Cape Blanco to Humbug Mt.</u> 11/1 - 30	All except coho	Chin. 26"; barbless hooks. State waters fishery.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-2001.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
1994 <u>US-Canada border to Cape Falcon</u>	All salmon	Closed to all salmon trolling.
<u>Cape Falcon to Humbug Mtn</u> 5/1 - 6/30	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire.
<u>Cape Falcon to Cascade Head</u> 10/1 - 31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire.
<u>Twin Rocks to Pyramid Rock</u> 11/1 - 15	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire.
<u>Cascade Head to Humbug Mt.</u> 9/1 - 10/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles).
<u>Cape Blanco to Humbug Mt.</u> 11/1 - 7	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles).
<u>Sisters Rock to House Rock</u> 5/1 - 2; 5/5 - 6; 5/10 - 11; 5/14 - 15; 5/18 - 31.	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. (0-6 miles). All salmon must be landed at Gold Beach, Port Orford, or Brookings within 24 hours of each closure.
<u>Sisters Rock to Mack Arch</u> 8/8 - 9	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. (0-6 miles). Special registration fishery. Daily landing limit of 20 fish. All salmon must be landed at Gold Beach, Port Orford, or Brookings. Trip length limited to 3 days (72 hours).
8/10 - 31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. (0-6 miles). Special registration fishery. Daily landing limit of 20 fish. All salmon must be landed at Gold Beach, Port Orford, or Brookings. Trip length limited to 3 days (72 hours).
<u>Goat Island to Red Point</u> 10/10 - 25; 10/30 - 31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles).
1995 <u>Cape Falcon to Cape Lookout</u> 8/1-31; 10/1-31 9/1-30	All except coho All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles).
<u>Cape Falcon to Florence south jetty</u> 8/1-10/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Closed in Control Zone 2 (mouth of Tillamook Bay in August and September). Open only (0-3 miles) north of Cape Lookout in September.
<u>Florence south jetty to Cape Arago</u> 8/1-31 9/1-10/31	All except coho All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Chin. 26"; barbless hooks. No more than 4 spreads per wire.
<u>Cape Arago to Humbug Mountain</u> 5/1-6/30 9/1-10/31	All except coho All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Chin. 26"; barbless hooks. No more than 4 spreads per wire.
<u>Cape Blanco to Humbug Mountain</u> 11/1-7	Chin. only	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles).
<u>Sisters Rock to Mack Arch</u> 7/24-25	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. (0-4 miles). All salmon caught in the area must be delivered in Gold Beach, Port Orford or Brookings within 24 hours of each closure.
<u>Sisters Rock to House Rock</u> 5/1-2; 5/5-6; 5/10-11; 5/14-15; 5/18-31.	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. (0-6 miles). All salmon caught in the area must be delivered in Gold Beach, Port Orford or Brookings within 24 hours of each closure.
<u>Goat Island to 42° 01' 20"</u> 10/10-20	Chin. only	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Daily landing limit of 20 chinook.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-2001.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
1996 <u>Cape Falcon to Cape Arago</u> 5/1-6/30	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Closed at the mouth of Tillamook Bay June 1 to September 15.
8/7-10/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Closed at the mouth of Tillamook Bay June 1 to September 15.
<u>Cape Arago to the OR/CA border</u> 5/1-6/30	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Season to follow a 4 day open/3 days closed cycle.
<u>Cape Arago to Humbug Mt.</u> 8/7-31 and 9/1-10/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire.
<u>Cape Blanco to Humbug Mt.</u> 11/1-30	Chin. only	Chin. 26", barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Landings restricted to Port Orford.
<u>Sisters Rock to Mack Arch</u> 8/3-4, 7-8, 11-12, 15-31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Open from 0-4 miles. All salmon caught in the area must be delivered in Gold Beach, Port Orford or Brookings within 24 hours of each closure. Closed within 1 mile of the Rogue River Mouth.
<u>Goat Island to 42° 01" 20' N</u> 10/14-31	Chin. only	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Salmon must be delivered into Brookings. Single day landing limit of 20 chinook.
1997 <u>US/Canada Border to Cape Falcon</u> 5/1 - 6/15	Chin. only	Chin 28" barbless hooks. All salmon caught in the area must be landed and delivered within 48 hours of any closure.
<u>Cape Falcon to Cape Arago</u> 4/15-6/27	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Closed at the mouth of Tillamook Bay June 1 to September 15.
8/1-31; 9/4 - 10/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Closed at the mouth of Tillamook Bay June 1 to September 15.
<u>Twin Rocks to Pyramid Rock</u> 11/1 - 15	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles).
<u>Cape Arago to the OR/CA border</u> 4/15-5/28	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Season to follow a 4 day open/3 days closed cycle.
<u>Cape Arago to Humbug Mt.</u> 8/1-31 and 9/1-10/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. August quota of 8,500 chinook, and Sept.-Oct. quota of 10,000 Chinook.
<u>Cape Blanco to Humbug Mt.</u> 11/1-30	Chin. only	Chin. 26", barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Landings restricted to Port Orford.
<u>Sisters Rock to Mack Arch</u> 8/1-2, 5-6, 9-10, 13-31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Open from 0-4 miles. All salmon caught in the area must be delivered in Gold Beach, Port Orford or Brookings within 24 hours of each closure. Closed within 1 mile of the Rogue River Mouth.
<u>Goat Island to 42° 01" 20' N</u> 10/13-25, 29-30	Chin. only	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Salmon must be delivered into Brookings. Single day landing limit of 20 chinook.
1998 <u>US/Canada Border to Cape Falcon</u> 5/1 - 5/12	All except coho	Chin 28" barbless hooks. All salmon caught in the area must be landed and delivered within 48 hours of any closure.
5/20 - 5/23	All except coho	Chin 28" barbless hooks. Cumulative landing limit for the four day period of 75 chinook per vessel.
6/2 - 6/4	All except coho	Chin 28" barbless hooks. Cumulative landing limit for the three day period of 50 chinook per vessel.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-2001.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
(1998 continued)		
<u>Cape Falcon to Heceta Banks (43° 58' 00' N)</u> 4/15-6/30	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Closed at the mouth of Tillamook Bay June 1 to September 15.
8/1-28; 9/1 - 10/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Closed at the mouth of Tillamook Bay June 1 to September 15.
<u>Twin Rocks to Pyramid Rock</u> 11/1 - 15	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles).
<u>Heceta Banks (43° 58' 00' N) to Humbug Mt.</u> 4/15-6/30, 8/1-26 and 9/1-10/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire.
<u>Cape Blanco to Humbug Mt.</u> 11/1-30	Chin. only	Chin. 26", barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Landings restricted to Port Orford.
<u>Humbug Mt. to the OR/CA border</u> 4/15-5/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire.
<u>Sisters Rock to Mack Arch</u> 8/1-2, 5-6, 9-10, and 13-31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Open from 0-4 miles. All salmon caught in the area must be delivered in Gold Beach, Port Orford or Brookings within 24 hours of each closure. Closed within 1 mile of the Rogue River Mouth.
<u>Goat Island to 42° 01' 20' N</u> 10/13-31	Chin. only	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Salmon must be delivered into Brookings. Single day landing limit of 20 chinook.
1999 <u>US/Canada Border to Cape Falcon</u> 5/1 - 5/15	All except coho	Chin 28" barbless hooks. Columbia Commercial Control Zone closed.
<u>Cape Falcon to Humbug Mountain</u> 4/1-7/17, 8/1-29, and 9/1-10/31	All except coho	Chin 26", barbless hooks. No more than 4 spreads per wire. Closed at the mouth of Tillamook Bay June 1 to September 15.
<u>Twin Rocks to Pyramid Rock</u> 11/1-15	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles).
<u>Cape Blanco to Humbug Mt.</u> 11/1-12/15	Chin. only	Chin. 26", barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Landings restricted to Port Orford.
<u>Humbug Mt. to the OR/CA border</u> 5/1-31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire.
<u>Sisters Rock to Mack Arch</u> 8/1-31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Open from 0-4 miles. All salmon caught in the area must be delivered in Gold Beach, Port Orford or Brookings within 24 hours of each closure.
<u>Goat Island to 42° 01' 20' N</u> 10/12-31	Chin. only	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Salmon must be delivered into Brookings. Single day landing limit of 20 chinook.
2000 <u>US/Canada Border to Cape Falcon</u> 5/1 - 6/15	All except coho	Chin. 28"; barbless hooks. Columbia Commercial Control Zone closed.
<u>Queets River to Cape Falcon</u> 8/4 - 8/7 and 8/11-8/21	All salmon	Chin. 28", coho 16". Open period landing limit of 300 adipose fin clipped coho per vessel. Salmon must be delivered within 24 hours of any closure. Columbia River Control Zone closed.
8/18-8/21, 8/25-8/28, and 9/1-9/5	All salmon	Chin. 28", coho 16". Salmon must be delivered within 24 hours of any closure. Columbia River Control Zone closed.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-2001.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
(2000 continued)		
<u>Cape Falcon to Humbug Mountain</u> 4/1 - 7/22, 8/1 - 28, and 9/1 - 10/31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Tillamook Triangular Control Zone closed 4/1 - 30, and 6/1 - 9/15.
<u>Twin Rocks to Pyramid Rock</u> 11/1-15	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles).
<u>Cape Blanco to Humbug Mt.</u> 11/1-12/15	Chin. only	Chin. 26", barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Landings restricted to Port Orford.
<u>Humbug Mt. to the OR/CA border</u> 5/1 - 31	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire.
<u>Sisters Rock to the OR/CA border</u> 8/1 - 11	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Possession and landing limit of 30 fish per day. All salmon caught in this area must be delivered in Port Orford, Gold Beach, or Brookings within 24 hours of closure.
<u>Goat Island to 42° 01' 20' N</u> 10/16-28	Chin. only	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Salmon must be delivered into Brookings. Single day landing limit of 20 chinook.
<u>House Rock to Humboldt South Jetty, CA</u> 9/1 - 5	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. Possession and landing limit of 30 fish per day. All salmon caught in this area must be landed in this area. Klamath Control Zone closed.
2001 <u>US/Canada Border to Cape Falcon</u> 5/1 - 6/15	All except coho	Chin. 28"; barbless hooks. No more than 4 spreads per wire beginning 6/1. Columbia Control Zone closed. Vessels must land and deliver their fish within 24 hours of closure.
<u>Queets River to Cape Falcon</u> 7/20 - 7/23, 7/27 - 7/30, 8/3 - 8/12, 8/17 - 8/27, and 8/31 - 9/30	All salmon	Chin. 28", coho 16". Coho must have healed adipose fin clip. Barbless hooks. Vessels must land and deliver their fish within the area or adjacent closed area and within 24 hours of closure. Vessel per open period landing limit for 7/20-23 and 7/27-30 of 65 chinook; for 8/3-12 of 100 chinook; for 8/17-27 of 150 chinook; no landing limit for 8/31-9/30. Columbia Control Zone closed.
<u>Cape Falcon to Florence South Jetty</u> 4/1 - 7/18, 7/27 - 8/29, and 9/1 - 10/31	All except coho	Chin. 26"; barbless hooks; no more than 4 spreads per wire. Tillamook Triangular Control Zone closed April 1 - 30 and June 1 - August 31.
<u>Florence South Jetty to Humbug Mt.</u> 4/1 - 7/9, 7/18 - 8/29, and 9/1 - 10/31	All except coho	Chin. 26"; barbless hooks; no more than 4 spreads per wire.
<u>Twin Rocks to Pyramid Rock</u> 11/1-15	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles).
<u>Cape Blanco to Humbug Mt.</u> 11/1-12/15	Chin. only	Chin. 26", barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Landings restricted to Port Orford
<u>Humbug Mt. to OR/CA Border</u> 5/1 - 5/31 6/3 - 6/4, 6/7 - 6/8, 6/11 - 6/12, and 6/15 - 6/30	All except coho All except coho	Chin. 26"; barbless hooks; no more than 4 spreads per wire. Chin. 26"; barbless hooks; no more than 4 spreads per wire. Possession and landing limit of 30 fish per day. All salmon must be landed and delivered to Gold Beach, Port Orford, or Brookings within 24 hours of closure.
8/1 - 8/31	All except coho	Chin. 26"; barbless hooks; no more than 4 spreads per wire. Possession and landing limit of 30 fish per day effective 8/1-8. All salmon must be landed and delivered to Gold Beach, Port Orford, or Brookings within 24 hours of closure.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-2001.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
(2001 continued)		
<u>Twin Rocks to OR/CA border</u> 10/13-31	Chin. only	Chin. 26"; barbless hooks. No more than 4 spreads per wire. State waters only (0-3 miles). Salmon must be delivered into Brookings. Single daily possession and landing limit of 20 chinook.
<u>Humboldt Mt. to Humboldt South Jetty</u> 9/1 - 9/30	All except coho	Chin. 26"; barbless hooks; no more than 4 spreads per wire. Possession and landing limit of 30 fish per day. All salmon caught within the area must be landed and delivered within the area. Oregon landings capped at 2,000 chinook.

Appendix Table 4. Oregon ocean troll effort (number of days fished) by statistical month of landing, area of landing, and by year, 1980-2001.

Columbia Area (2)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1980	0	200	<50	600	700	100	<50	0	0	1,600
1981	0	500	0	1,100	800	0	<50	0	0	2,400
1982	0	400	100	400	0	0	0	0	0	900
1983	0	500	100	<50	200	200	0	0	0	1,000
1984	0	100	0	0	400	0	0	0	0	500
1985	0	400	0	0	300	0	<50	0	0	700
1986	0	300	<50	100	700	0	0	0	0	1,200
1987	0	100	0	200	0	0	0	0	0	300
1988	0	100	100	0	0	0	0	0	0	200
1989	0	100	<50	0	600	200	0	0	0	900
1990	0	100	<50	0	300	300	<50	0	0	700
1991	0	100	<50	0	400	200	0	0	0	700
1992	0	100	100	<50	<50	0	0	0	0	300
1993	0	<50	<50	100	100	100	0	0	0	200
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	<50	<50	0	0	0	0	0	0	<50
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	<50	0	0	0	0	0	0	<50
2000	0	<50	<50	0	200	<50	0	0	0	300
2001	0	<50	<50	100	100	<50	0	0	0	200

Tillamook Area (3)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1980	0	100	100	2,000	3,100	400	<50	0	0	5,700
1981	0	200	<50	5,600	2,700	100	100	0	0	8,700
1982	0	200	100	2,800	300	200	100	0	0	3,600
1983	0	100	100	1,000	1,300	300	200	<50	0	2,900
1984	0	<50	<50	100	300	<50	<50	<50	0	500
1985	0	<50	100	600	500	100	100	0	0	1,400
1986	0	<50	<50	2,700	300	500	200	<50	0	3,700
1987	0	100	300	2,600	2,100	1,200	900	0	0	7,300
1988	0	200	1,100	4,000	2,900	1,500	900	<50	0	10,500
1989	0	500	700	3,200	1,500	1,300	600	<50	0	7,800
1990	0	100	100	1,600	2,300	600	500	<50	0	5,100
1991	0	100	100	1,700	400	500	700	0	0	3,500
1992	0	100	0	200	800	700	700	0	0	2,600
1993	0	100	100	200	200	800	500	0	0	1,800
1994	0	<50	100	0	0	100	400	<50	0	500
1995	0	100	100	0	500	300	200	<50	0	1,300
1996	0	100	300	<50	200	500	300	0	0	1,400
1997	<50	100	100	<50	100	200	200	<50	0	700
1998	<50	100	100	<50	200	300	300	<50	0	1,000
1999	<50	<50	100	100	200	200	100	<50	0	700
2000	<50	100	300	100	200	200	100	<50	0	900
2001	<50	100	200	300	300	200	100	<50	0	1,400

Appendix Table 4 (cont). Oregon ocean troll effort (number of days fished) by statistical month, area, and by year, 1980-2001.

Newport Area (4)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1980	0	600	1,100	3,500	3,900	900	600	0	0	10,600
1981	0	1,200	<50	5,100	4,700	100	100	0	0	11,200
1982	0	500	700	3,500	300	300	400	0	0	5,800
1983	0	200	600	3,500	1,800	500	300	<50	0	7,000
1984	0	100	200	900	800	<50	0	0	0	1,900
1985	0	900	400	1,600	900	100	200	0	0	4,100
1986	0	900	800	5,500	400	300	700	0	0	8,600
1987	0	1,000	900	3,100	1,600	1,200	800	<50	0	8,700
1988	0	900	1,700	4,200	4,000	900	700	100	0	12,400
1989	0	900	1,800	4,100	1,400	500	400	100	0	9,300
1990	0	500	1,400	1,600	600	200	100	<50	0	4,300
1991	0	600	2,000	900	600	500	400	0	0	5,100
1992	0	1,400	<50	1,100	1,700	700	900	0	0	5,800
1993	0	1,400	1,100	1,500	800	700	400	<50	0	5,900
1994	0	800	800	0	0	200	300	<50	0	2,100
1995	0	600	1,000	0	1,600	800	600	100	0	4,700
1996	0	1,000	1,100	100	1,300	800	500	0	0	4,800
1997	200	1,400	1,300	100	1,200	700	200	0	0	5,200
1998	700	1,300	1,000	200	900	200	100	0	0	4,500
1999	100	400	500	300	100	<50	100	0	0	1,500
2000	100	500	500	400	600	500	200	<50	0	2,700
2001	400	1,300	1,000	500	1,100	600	300	<50	0	5,200

Charleston Area (5)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1980	0	400	2,000	4,700	3,600	1,200	700	<50	0	12,500
1981	0	600	<50	7,400	5,100	200	200	0	0	13,400
1982	0	800	900	8,400	2,000	1,200	200	<50	0	13,500
1983	0	500	1,700	4,300	200	100	100	<50	0	6,900
1984	0	100	200	700	1,200	100	0	0	0	2,300
1985	0	1,700	1,500	3,900	4,600	1,500	400	0	0	13,700
1986	0	2,100	2,400	5,600	4,200	1,200	300	0	0	15,800
1987	0	1,700	1,700	10,300	3,500	3,100	700	0	0	21,000
1988	0	3,200	6,000	6,000	7,100	1,900	2,000	100	0	26,300
1989	0	4,500	4,200	6,400	4,900	1,100	1,200	700	0	22,900
1990	0	2,200	2,200	5,200	4,800	700	400	<50	0	15,600
1991	0	<50	1,800	1,500	1,000	800	500	0	0	5,600
1992	0	<50	<50	100	200	<50	100	0	0	400
1993	0	600	200	<50	<50	300	300	100	0	1,600
1994	0	100	300	0	0	100	300	100	0	800
1995	0	200	500	0	500	200	200	100	0	1,600
1996	0	300	500	<50	300	400	300	100	0	1,800
1997	100	500	400	<50	200	100	200	100	0	1,600
1998	200	400	300	100	200	100	200	100	0	1,400
1999	<50	200	800	400	700	200	200	100	<50	2,600
2000	100	200	200	700	1,100	500	300	200	100	3,300
2001	400	600	700	600	700	400	300	100	<50	3,800

Appendix Table 4 (cont). Oregon ocean troll effort (number of days fished) by statistical month, area, and by year, 1980-2001.

California Area (7)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1980	0	<50	0	<50	<50	0	<50	0	0	<50
1981	0	100	<50	<50	<50	100	<50	0	0	300
1982	0	<50	100	200	100	100	0	0	0	400
1983	0	<50	<50	<50	200	<50	0	0	0	300
1984	0	<50	<50	<50	<50	0	0	0	0	<50
1985	0	<50	<50	<50	<50	<50	0	0	0	<50
1986	0	0	0	<50	<50	<50	0	0	0	<50
1987	0	0	<50	<50	0	<50	0	0	0	<50
1988	0	0	<50	<50	100	<50	0	0	0	100
1989	0	<50	<50	<50	<50	<50	0	0	0	<50
1990	0	<50	0	<50	0	0	0	0	0	<50
1991	0	0	<50	0	<50	<50	0	0	0	<50
1992	0	0	0	0	0	0	0	0	0	0
1993	0	0	<50	0	0	<50	0	0	0	<50
1994	0	0	0	<50	<50	0	0	0	0	0
1995	0	0	<50	<50	0	0	0	0	0	0
1996	0	0	0	0	<50	100	0	0	0	100
1997	0	0	0	<50	<50	0	0	0	0	<50
1998	0	<50	0	<50	0	<50	0	0	0	<50
1999	0	0	0	<50	0	0	0	0	0	<50
2000	0	0	0	<50	0	0	0	0	0	<50
2001	0	<50	0	<50	0	<50	0	0	0	<50

Coastwide Totals

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1980	0	2,100	3,400	12,300	14,600	4,600	2,300	500	0	39,700
1981	0	3,200	100	21,300	16,900	1,500	1,800	500	0	45,300
1982	0	2,300	2,100	18,800	5,600	2,800	1,500	600	0	33,700
1983	0	1,500	3,600	10,400	4,100	1,200	1,100	100	0	22,100
1984	0	500	400	2,100	4,300	200	300	200	0	7,900
1985	0	3,100	2,000	6,300	6,600	1,900	900	200	0	21,000
1986	0	3,900	4,000	14,400	6,700	2,000	1,300	100	0	32,500
1987	0	3,600	3,900	16,300	7,300	5,500	2,700	300	0	39,500
1988	0	4,700	9,500	14,200	14,100	4,300	3,800	400	0	51,000
1989	0	6,300	7,100	13,600	8,800	3,400	2,100	800	0	42,100
1990	0	2,900	3,700	8,400	8,300	1,800	1,000	100	0	26,200
1991	0	800	4,000	4,100	2,400	2,000	1,600	0	0	14,900
1992	0	1,600	200	1,500	2,700	1,500	1,700	0	0	9,200
1993	0	2,100	1,300	1,800	1,000	2,000	1,200	200	0	9,500
1994	0	1,000	1,200	<50	100	300	1,100	100	0	3,800
1995	0	1,000	1,600	100	2,600	1,300	1,200	200	0	7,900
1996	0	1,500	1,900	100	2,000	1,700	1,200	100	0	8,500
1997	400	2,100	1,900	100	1,500	1,000	700	100	0	7,800
1998	900	1,800	1,500	300	1,300	600	800	100	0	7,200
1999	200	600	1,400	800	1,100	500	500	100	<50	5,100
2000	200	700	1,000	1,200	2,200	1,300	800	200	100	7,500
2001	900	2,100	2,000	1,400	2,300	1,300	900	200	<50	11,200

Appendix Table 4 (cont). Oregon ocean troll effort (number of days fished) by statistical month, area, and by year, 1980-2001.

Alaska Area (8)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1980	0	0	0	0	0	100	0	0	0	100
1981	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0
1983	0	0	<50	0	0	0	0	0	0	<50
1984	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	<50	0	0	0	0	0	<50
1989	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0

Washington Area (1)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1980	0	100	<50	100	900	100	0	0	0	1,200
1981	0	<50	0	200	<50	0	0	0	0	200
1982	0	100	<50	600	0	0	0	0	0	700
1983	0	100	<50	<50	<50	0	0	0	0	200
1984	0	100	0	0	<50	0	0	0	0	100
1985	0	100	0	200	<50	0	0	0	0	300
1986	0	<50	0	<50	0	0	0	0	0	<50
1987	0	100	0	<50	0	0	0	0	0	100
1988	0	100	<50	0	0	0	0	0	0	100
1989	0	<50	<50	0	0	0	0	0	0	<50
1990	0	<50	0	0	<50	0	0	0	0	100
1991	0	<50	<50	0	<50	<50	0	0	0	<50
1992	0	<50	100	0	<50	0	0	0	0	100
1993	0	0	0	<50	0	0	0	0	0	<50
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	<50	<50	<50	<50	0	0	0	0	<50
2000	0	<50	<50	0	0	0	0	0	0	<50
2001	0	<50	<50	<50	0	0	0	0	0	<50

Appendix Table 4 (cont). Oregon ocean troll effort (number of days fished) by statistical month, area, and by year, 1980-2001.

California Area (7)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1980	0	<50	0	<50	<50	0	<50	0	0	<50
1981	0	100	<50	<50	<50	100	<50	0	0	300
1982	0	<50	100	200	100	100	0	0	0	400
1983	0	<50	<50	<50	200	<50	0	0	0	300
1984	0	<50	<50	<50	<50	0	0	0	0	<50
1985	0	<50	<50	<50	<50	<50	0	0	0	<50
1986	0	0	0	<50	<50	<50	0	0	0	<50
1987	0	0	<50	<50	0	<50	0	0	0	<50
1988	0	0	<50	<50	100	<50	0	0	0	100
1989	0	<50	<50	<50	<50	<50	0	0	0	<50
1990	0	<50	0	<50	0	0	0	0	0	<50
1991	0	0	<50	0	<50	<50	0	0	0	<50
1992	0	0	0	0	0	0	0	0	0	0
1993	0	0	<50	0	0	<50	0	0	0	<50
1994	0	0	0	<50	<50	0	0	0	0	0
1995	0	0	<50	<50	0	0	0	0	0	0
1996	0	0	0	0	<50	100	0	0	0	100
1997	0	0	0	<50	<50	0	0	0	0	<50
1998	0	<50	0	<50	0	<50	0	0	0	<50
1999	0	0	0	<50	0	0	0	0	0	<50
2000	0	0	0	<50	0	0	0	0	0	<50
2001	0	<50	0	<50	0	<50	0	0	0	<50

Coastwide Totals

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1980	0	2,100	3,400	12,300	14,600	4,600	2,300	500	0	39,700
1981	0	3,200	100	21,300	16,900	1,500	1,800	500	0	45,300
1982	0	2,300	2,100	18,800	5,600	2,800	1,500	600	0	33,700
1983	0	1,500	3,600	10,400	4,100	1,200	1,100	100	0	22,100
1984	0	500	400	2,100	4,300	200	300	200	0	7,900
1985	0	3,100	2,000	6,300	6,600	1,900	900	200	0	21,000
1986	0	3,900	4,000	14,400	6,700	2,000	1,300	100	0	32,500
1987	0	3,600	3,900	16,300	7,300	5,500	2,700	300	0	39,500
1988	0	4,700	9,500	14,200	14,100	4,300	3,800	400	0	51,000
1989	0	6,300	7,100	13,600	8,800	3,400	2,100	800	0	42,100
1990	0	2,900	3,700	8,400	8,300	1,800	1,000	100	0	26,200
1991	0	800	4,000	4,100	2,400	2,000	1,600	0	0	14,900
1992	0	1,600	200	1,500	2,700	1,500	1,700	0	0	9,200
1993	0	2,100	1,300	1,800	1,000	2,000	1,200	200	0	9,500
1994	0	1,000	1,200	<50	100	300	1,100	100	0	3,800
1995	0	1,000	1,600	100	2,600	1,300	1,200	200	0	7,900
1996	0	1,500	1,900	100	2,000	1,700	1,200	100	0	8,500
1997	400	2,100	1,900	100	1,500	1,000	700	100	0	7,800
1998	900	1,800	1,500	300	1,300	600	800	100	0	7,200
1999	200	600	1,400	800	1,100	500	500	100	<50	5,100
2000	200	700	1,000	1,200	2,200	1,300	800	200	100	7,500
2001	900	2,100	2,000	1,400	2,300	1,300	900	200	<50	11,200

Appendix Table 5. Oregon commercial troll landings of chinook and coho salmon (numbers of fish) by area of catch, by month, and by year, 1979-2001.

Columbia River Catch Area (2)

CHINOOK										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	800	<50	1,800	2,800	400	<50	0	0	5,800
1980	0	3,000	<50	800	900	100	<50	0	0	4,900
1981	0	6,600	0	1,000	600	0	<50	0	0	8,200
1982	0	6,500	600	1,200	0	0	0	0	0	8,400
1983	0	3,700	700	200	200	100	0	0	0	4,900
1984	0	1,000	0	<50	300	0	0	0	0	1,300
1985	0	4,400	100	0	500	0	<50	0	0	5,000
1986	0	4,500	100	<50	1,600	0	0	0	0	6,100
1987	0	2,300	0	2,200	0	0	0	0	0	4,600
1988	0	1,000	600	0	0	0	0	0	0	1,600
1989	0	700	400	0	1,000	800	0	0	0	2,900
1990	0	500	100	0	500	1,100	100	0	0	2,300
1991	0	300	<50	0	400	100	0	0	0	900
1992	0	400	900	100	100	0	0	0	0	1,500
1993	0	300	<50	<50	<50	100	0	0	0	400
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	<50	<50	0	0	0	0	0	0	<50
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	<50	0	0	0	0	0	0	<50
2000	0	<50	200	0	2,000	<50	0	0	0	2,300
2001	0	400	1,700	900	800	300	0	0	0	4,100

COHO										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	0	<50	31,300	11,100	2,200	0	0	0	44,600
1980	0	0	0	13,900	11,100	600	0	0	0	25,600
1981	0	0	0	31,400	14,400	0	0	0	0	45,800
1982	0	0	0	23,800	0	0	0	0	0	23,800
1983	0	0	0	100	2,600	2,300	0	0	0	5,000
1984	0	0	0	0	13,600	0	0	0	0	13,600
1985	0	0	0	0	18,200	0	0	0	0	18,200
1986	0	0	0	<50	46,100	0	0	0	0	46,100
1987	0	0	0	7,400	0	0	0	0	0	7,400
1988	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	11,200	9,900	0	0	0	21,100
1990	0	0	0	0	4,400	6,200	300	0	0	10,900
1991	0	0	0	0	16,600	10,100	0	0	0	26,800
1992	0	0	0	600	800	0	0	0	0	1,400
1993	0	0	0	200	600	900	0	0	0	1,700
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	11,600	700	0	0	0	12,300
2001	0	0	0	3,700	3,400	2,300	0	0	0	9,300

Tillamook Catch Area (3)

CHINOOK										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	100	200	1,200	2,200	<50	200	0	0	3,900
1980	0	900	500	900	4,300	500	100	0	0	7,300
1981	0	4,100	200	5,000	2,700	200	200	0	0	12,300
1982	0	2,900	700	3,000	800	400	200	0	0	7,900
1983	0	400	300	1,500	1,200	300	500	0	0	4,100
1984	0	300	100	200	1,100	100	100	0	0	1,900
1985	0	<50	200	1,700	800	400	100	<50	0	3,300
1986	0	200	100	2,700	3,100	6,500	1,500	<50	0	14,100
1987	0	1,800	1,800	15,100	12,800	7,400	2,600	0	0	41,400
1988	0	900	6,100	9,100	9,100	4,400	3,100	0	0	32,800
1989	0	5,800	7,700	6,900	3,700	4,900	1,600	0	0	30,400
1990	0	400	600	5,700	2,700	1,800	1,200	0	0	12,500
1991	0	200	200	3,100	2,000	2,200	1,800	0	0	9,500
1992	0	400	0	300	2,500	1,900	2,200	0	0	7,300
1993	0	500	200	800	700	2,200	2,000	0	0	6,300
1994	0	100	300	0	0	0	1,300	<50	0	1,700
1995	0	400	800	<50	6,300	1,400	800	0	0	9,700
1996	0	400	7,900	1,000	1,000	2,200	700	0	0	13,100
1997	<50	200	600	0	300	700	400	<50	0	2,300
1998	200	400	700	300	2,000	2,200	800	<50	0	6,600
1999	<50	300	600	200	1,000	600	200	<50	0	2,800
2000	<50	200	3,800	600	5,900	1,500	4,200	<50	0	16,100
2001	800	900	4,800	7,600	6,800	4,000	1,400	<50	0	26,400

COHO										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	0	300	52,800	23,000	100	0	0	0	76,100
1980	0	0	0	30,900	46,500	1,400	0	0	0	78,800
1981	0	0	0	112,500	46,600	0	0	0	0	159,100
1982	0	0	0	113,600	0	0	0	0	0	113,600
1983	0	0	0	43,200	18,800	1,200	0	0	0	63,100
1984	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	1,500	<50	0	0	0	0	1,500
1986	0	0	0	96,700	0	0	0	0	0	96,700
1987	0	0	0	46,400	23,100	5,300	0	0	0	74,700
1988	0	0	0	124,200	48,100	0	0	0	0	172,300
1989	0	0	0	118,500	17,800	0	0	0	0	136,300
1990	0	0	0	25,700	27,500	<50	0	0	0	53,300
1991	0	0	0	89,900	0	0	0	0	0	89,900
1992	0	0	0	500	7,400	<50	<50	0	0	7,900
1993	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0

Appendix Table 5 (cont.). Oregon commercial troll landings of chinook and coho salmon (numbers of fish) by area of catch, by month, and by year, 1979-2001.

Newport Catch Area (4)

CHINOOK										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	4,500	<50	13,500	12,400	4,900	3,000	0	0	38,400
1980	0	8,800	9,500	5,200	14,800	3,200	5,900	0	0	47,400
1981	0	9,300	300	7,700	9,400	300	400	0	0	27,400
1982	0	5,500	4,500	10,800	1,600	2,300	3,300	0	0	28,200
1983	0	2,000	900	10,700	6,300	1,100	2,300	100	0	23,300
1984	0	100	1,500	11,300	5,900	100	0	0	0	18,800
1985	0	13,700	4,900	15,700	5,500	1,000	1,000	0	0	41,800
1986	0	10,200	13,000	29,800	5,500	7,000	22,400	0	0	88,000
1987	0	10,500	7,700	23,900	24,200	14,300	7,000	<50	0	87,700
1988	0	8,500	18,800	42,900	34,300	8,400	16,200	0	0	129,100
1989	0	18,700	12,800	20,900	9,200	3,600	5,100	300	0	70,700
1990	0	2,500	16,600	15,100	3,700	700	800	0	0	39,300
1991	0	2,900	7,400	2,900	6,200	7,700	6,300	0	0	33,400
1992	0	19,000	600	23,700	26,700	10,100	14,600	0	0	94,800
1993	0	17,400	14,400	10,600	9,800	8,000	3,700	300	0	64,200
1994	0	7,200	6,900	100	0	900	2,900	<50	0	18,100
1995	0	10,700	20,900	5,000	72,100	40,500	24,400	600	0	174,200
1996	0	18,200	23,800	1,300	51,400	22,400	9,500	1,300	0	127,800
1997	4,200	21,700	27,400	0	38,700	25,000	1,800	0	0	118,800
1998	16,500	34,100	22,700	2,500	15,800	2,300	900	0	0	94,800
1999	600	4,500	5,700	3,200	1,000	100	700	0	0	15,900
2000	600	4,400	5,800	4,400	14,200	15,000	4,700	<50	0	49,000
2001	8,500	45,400	2,800	15,700	40,700	20,400	9,200	800	0	168,600

COHO										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	0	<50	136,400	56,600	1,300	0	0	0	194,300
1980	0	0	0	66,200	65,900	5,300	0	0	0	137,400
1981	0	0	0	64,700	128,700	0	0	0	0	193,400
1982	0	0	0	116,100	0	0	0	0	0	116,100
1983	0	0	0	99,100	15,500	2,900	0	0	0	117,400
1984	0	0	0	0	0	0	0	0	0	0
1985	0	<50	0	11,900	0	0	0	0	0	11,900
1986	0	0	<50	192,300	0	0	0	0	0	192,300
1987	0	0	0	59,200	19,000	4,800	0	0	0	83,000
1988	0	0	0	146,200	106,300	0	0	0	0	252,500
1989	0	0	0	130,000	7,700	0	0	0	0	137,800
1990	0	0	100	13,700	<50	0	0	0	0	13,800
1991	0	0	58,200	30,400	0	0	0	0	0	88,600
1992	0	0	0	14,000	21,000	0	0	0	0	35,000
1993	0	0	0	0	<50	0	0	0	0	<50
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0

Coos Bay Catch Area (5)

CHINOOK										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	3,300	<50	24,100	34,000	3,800	6,800	0	0	71,900
1980	0	2,100	17,100	24,200	20,300	7,100	6,000	<50	0	76,800
1981	0	2,400	100	8,100	11,400	1,300	1,200	<50	0	24,400
1982	0	4,700	5,800	75,000	16,800	5,700	1,000	<50	0	109,000
1983	0	1,700	3,800	12,700	1,400	300	200	0	0	20,100
1984	0	100	900	4,400	9,400	600	0	0	0	15,400
1985	0	14,500	15,100	40,100	56,800	19,700	2,500	<50	0	148,700
1986	0	17,700	22,600	92,100	85,400	21,000	1,300	<50	0	240,000
1987	0	17,800	17,700	220,900	50,500	39,000	4,500	0	0	350,400
1988	0	43,000	51,600	46,400	89,600	13,700	24,300	<50	0	268,500
1989	0	70,300	39,800	43,400	57,400	9,400	9,300	2,700	0	232,300
1990	0	11,800	15,800	85,000	55,700	5,400	2,100	<50	0	175,800
1991	0	100	5,100	5,200	7,400	9,200	3,400	0	0	30,400
1992	0	600	100	2,300	2,400	300	600	0	0	6,200
1993	0	2,800	900	100	500	4,300	1,300	700	0	10,500
1994	0	400	1,500	<50	0	200	1,500	400	0	4,000
1995	0	1,700	6,400	500	11,300	4,600	1,800	100	0	26,600
1996	0	1,400	10,000	900	6,000	4,600	1,800	900	0	25,600
1997	2,500	6,100	8,000	0	5,500	1,100	1,000	600	0	24,800
1998	3,300	5,200	6,400	1,500	2,700	500	1,700	900	0	22,100
1999	200	1,300	17,200	4,800	15,200	1,100	1,500	1,200	<50	42,500
2000	600	1,500	1,900	14,800	27,300	13,900	3,400	1,500	400	65,200
2001	9,200	14,300	10,100	14,200	13,200	6,200	3,700	1,300	<50	72,300

COHO										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	0	<50	223,500	42,200	300	0	0	0	266,000
1980	0	0	0	67,800	32,900	4,600	0	0	0	105,300
1981	0	0	0	85,600	73,100	0	0	0	0	158,600
1982	0	0	0	229,000	0	0	0	0	0	229,000
1983	0	0	0	108,700	<50	<50	0	0	0	108,800
1984	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	29,400	0	0	0	0	0	29,400
1986	0	0	<50	86,200	0	0	0	0	0	86,200
1987	0	0	<50	145,700	21,700	9,700	0	0	0	177,100
1988	0	0	<50	117,100	79,300	0	0	0	0	196,400
1989	0	0	0	126,300	33,300	0	0	0	0	159,500
1990	0	0	<50	43,100	300	0	0	0	0	43,400
1991	0	0	33,000	68,500	<50	0	0	0	0	101,500
1992	0	0	0	3,000	2,400	0	0	0	0	5,300
1993	0	0	0	0	0	0	<50	0	0	<50
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0

Appendix Table 5 (cont.). Oregon commercial troll landings of chinook and coho salmon (numbers of fish) by area of catch, by month, and by year, 1979-2001.

Brookings Catch Area (6)

CHINOOK										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	200	0	38,200	58,100	7,500	15,400	2,100	0	121,500
1980	0	6,900	2,200	8,300	30,400	14,800	3,000	1,100	0	66,700
1981	0	4,300	<50	6,700	47,200	13,000	10,600	1,400	0	83,300
1982	0	2,300	500	26,500	31,800	3,200	2,900	1,400	0	68,600
1983	0	1,600	8,200	8,900	1,300	200	1,800	700	0	22,600
1984	0	900	<50	4,100	17,700	<50	1,100	700	0	24,600
1985	0	300	100	1,800	6,900	3,300	700	1,000	0	14,000
1986	0	3,500	16,900	9,400	22,100	0	900	800	0	53,700
1987	0	8,800	28,000	0	0	0	1,100	1,900	0	39,800
1988	0	8,200	20,700	0	0	100	900	1,700	0	31,600
1989	0	4,600	1,900	0	3,900	6,400	<50	200	0	17,000
1990	0	100	0	0	2,100	100	0	0	0	2,200
1991	0	0	0	0	0	200	0	0	0	200
1992	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0
1994	0	200	0	0	200	<50	1,000	0	0	1,500
1995	0	300	<50	1,700	0	0	1,300	0	0	3,300
1996	0	1,500	3,700	0	2,700	0	800	<50	0	8,600
1997	100	2,300	0	0	300	<50	900	0	0	3,600
1998	0	100	<50	<50	100	0	600	0	0	700
1999	<50	<50	0	<50	800	200	300	<50	0	1,400
2000	0	<50	0	0	2,200	400	900	0	0	3,500
2001	0	200	400	0	1,300	1,000	700	<50	0	3,600

COHO										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	0	0	86,600	12,000	100	0	0	0	98,400
1980	0	0	0	11,900	17,500	3,400	0	0	0	32,800
1981	0	0	0	12,800	40,700	0	0	0	0	53,500
1982	0	0	0	20,400	0	0	0	0	0	20,400
1983	0	0	0	24,000	0	0	0	0	0	24,000
1984	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	1,000	0	0	0	0	0	1,000
1986	0	0	12,100	7,100	0	0	0	0	0	19,100
1987	0	0	4,100	0	0	0	0	0	0	4,100
1988	0	0	1,300	0	0	0	0	0	0	1,300
1989	0	0	1,000	0	0	0	0	0	0	1,000
1990	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0

Washington Catch Area (1)

CHINOOK										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	1,800	100	400	1,000	600	0	0	0	4,000
1980	0	3,100	300	200	1,200	<50	0	0	0	4,900
1981	0	100	0	700	100	0	0	0	0	900
1982	0	2,200	400	3,800	<50	0	<50	0	0	6,300
1983	0	1,700	200	<50	200	0	0	0	0	2,100
1984	0	2,000	0	0	<50	0	0	0	0	2,000
1985	0	1,600	<50	2,000	<50	0	0	0	0	3,600
1986	0	400	0	0	<50	0	0	0	0	400
1987	0	2,100	0	1,600	0	0	0	0	0	3,700
1988	0	900	500	0	0	0	0	0	0	1,400
1989	0	200	0	0	0	0	0	0	0	200
1990	0	300	0	0	<50	0	0	0	0	300
1991	0	<50	<50	0	<50	<50	0	0	0	<50
1992	0	100	700	0	<50	0	0	0	0	800
1993	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	100	200	400	400	0	0	0	0	1,100
2000	0	200	200	0	0	0	0	0	0	400
2001	0	400	700	100	0	0	0	0	0	1,200

COHO										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	0	0	6,300	8,900	2,500	0	0	0	17,800
1980	0	0	0	4,400	6,300	500	0	0	0	11,300
1981	0	0	0	11,000	600	0	0	0	0	11,600
1982	0	0	0	13,900	100	0	0	0	0	14,000
1983	0	0	0	<50	<50	0	0	0	0	<50
1984	0	0	0	0	100	0	0	0	0	100
1985	0	0	0	22,100	0	0	0	0	0	22,100
1986	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	7,500	0	0	0	0	0	7,500
1988	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	900	0	0	0	0	900
1991	0	0	0	0	<50	300	0	0	0	300
1992	0	0	0	0	100	0	0	0	0	100
1993	0	0	0	<50	0	0	0	0	0	<50
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	<50	200	0	0	0	0	200
2000	0	0	0	0	0	0	0	0	0	0
2001	0	0	<50	0	0	0	0	0	0	<50

Appendix Table 5 (cont.). Oregon commercial troll landings of chinook and coho salmon (numbers of fish) by area of catch, by month, and by year, 1979-2001.

California Catch Area (7)

CHINOOK										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	100	100	100	400	0	0	0	0	700
1980	0	800	0	100	<50	<50	0	0	0	800
1981	0	800	200	500	700	2,000	0	0	0	4,200
1982	0	600	700	1,100	900	400	0	0	0	3,700
1983	0	<50	200	200	1,600	<50	0	0	0	2,000
1984	0	<50	<50	200	100	0	0	0	0	300
1985	0	<50	<50	100	500	<50	0	0	0	600
1986	0	0	0	<50	400	0	0	0	0	400
1987	0	0	1,300	500	0	<50	0	0	0	1,800
1988	0	100	1,900	1,500	1,100	<50	0	0	0	4,600
1989	0	<50	<50	<50	<50	<50	0	0	0	100
1990	0	<50	0	<50	0	0	0	0	0	<50
1991	0	0	<50	0	<50	100	0	0	0	100
1992	0	0	0	0	0	0	0	0	0	0
1993	0	0	<50	0	0	<50	0	0	0	<50
1994	0	0	0	100	<50	0	0	0	0	100
1995	0	0	700	100	0	0	0	0	0	800
1996	0	0	0	0	600	1,400	0	0	0	2,000
1997	0	0	0	100	<50	0	0	0	0	100
1998	0	0	0	700	0	0	0	0	0	700
1999	0	<50	0	100	0	<50	0	0	0	100
2000	0	0	0	100	0	0	0	0	0	100
2001	0	500	0	<50	0	<50	0	0	0	500

COHO										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	0	100	100	100	0	0	0	0	400
1980	0	0	0	<50	<50	0	0	0	0	100
1981	0	0	0	300	200	0	0	0	0	500
1982	0	0	<50	1,400	0	0	0	0	0	1,400
1983	0	0	<50	100	1,100	0	0	0	0	1,200
1984	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	<50	0	0	0	0	0	<50
1986	0	0	0	0	0	0	0	0	0	0
1987	0	0	300	100	0	<50	0	0	0	300
1988	0	0	300	300	200	0	0	0	0	800
1989	0	0	<50	<50	0	0	0	0	0	<50
1990	0	0	0	<50	0	0	0	0	0	<50
1991	0	0	0	0	0	100	0	0	0	100
1992	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0

Alaska Catch Area (8)

CHINOOK										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	200	0	0	0	200
1981	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0
1983	0	0	400	0	0	0	0	0	0	400
1984	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	500	0	0	0	0	0	500
1989	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0

COHO										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	1,700	0	0	0	1,700
1981	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	<50	0	0	0	0	0	<50
1989	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0

Appendix Table 5 (cont.). Oregon commercial troll landings of chinook and coho salmon (numbers of fish) by area of catch, by month, and by year, 1979-2001.

Totals for Oregon Catch Areas

CHINOOK										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	9,000	200	78,700	109,400	16,600	25,500	2,100	0	241,500
1980	0	22,100	29,400	39,400	70,700	25,700	15,100	1,100	0	203,100
1981	0	26,800	600	28,500	71,200	14,800	12,300	1,400	0	155,600
1982	0	21,900	12,100	116,600	51,000	11,700	7,400	1,400	0	222,100
1983	0	9,400	13,800	33,900	10,300	1,900	4,900	800	0	75,000
1984	0	2,500	2,500	20,000	34,400	800	1,200	700	0	61,900
1985	0	32,900	20,400	59,300	70,400	24,500	4,300	1,000	0	212,900
1986	0	36,200	52,600	134,000	117,700	34,400	26,100	800	0	401,900
1987	0	41,200	55,200	282,100	87,600	60,600	15,100	1,900	0	523,800
1988	0	61,600	97,700	98,400	133,000	26,600	44,600	1,700	0	463,600
1989	0	100,100	62,500	71,200	75,200	25,000	16,000	3,100	0	353,200
1990	0	15,200	33,000	105,900	64,700	9,000	4,200	<50	0	232,100
1991	0	3,500	12,700	11,200	16,000	19,500	11,600	0	0	74,400
1992	0	20,400	1,600	26,400	31,700	12,300	17,400	0	0	109,700
1993	0	21,000	15,500	11,500	11,000	14,500	7,000	1,000	0	81,500
1994	0	8,000	8,800	100	200	1,100	6,700	400	0	25,200
1995	0	13,100	28,100	7,200	89,700	46,500	28,300	800	0	213,800
1996	0	21,400	45,400	3,200	61,100	29,200	12,700	2,300	0	175,200
1997	6,900	30,400	36,000	0	44,700	26,900	4,100	700	0	149,600
1998	20,000	39,700	29,800	4,300	20,600	5,000	4,000	900	0	124,200
1999	800	6,100	23,500	8,100	18,000	1,900	2,800	1,300	<50	62,500
2000	1,200	6,100	11,700	19,800	51,400	30,800	13,100	1,600	400	136,600
2001	18,500	61,200	45,000	38,500	62,800	31,800	15,000	2,100	<50	275,000

COHO										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	0	300	530,700	144,500	3,900	0	0	0	679,700
1980	0	0	0	190,745	173,900	15,300	0	0	0	379,900
1981	0	0	0	306,900	303,400	0	0	0	0	610,400
1982	0	0	0	502,900	0	0	0	0	0	502,900
1983	0	0	0	275,200	36,800	6,400	0	0	0	318,400
1984	0	0	0	0	13,600	0	0	0	0	13,600
1985	0	<50	0	43,900	18,300	0	0	0	0	62,100
1986	0	0	12,100	382,200	46,100	0	0	0	0	440,400
1987	0	0	4,100	258,700	63,700	19,800	0	0	0	346,200
1988	0	0	1,300	387,500	233,700	0	0	0	0	622,400
1989	0	0	1,000	374,800	70,100	9,900	0	0	0	455,700
1990	0	0	100	82,400	32,300	6,200	300	0	0	121,400
1991	0	0	91,200	188,800	16,700	10,100	0	0	0	306,800
1992	0	0	0	18,100	31,600	<50	<50	0	0	49,600
1993	0	0	0	200	600	900	<50	0	0	1,700
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	11,600	700	0	0	0	12,300
2001	0	0	0	3,700	3,400	2,300	0	0	0	9,300

Totals For All Oregon Landings

CHINOOK										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	11,000	400	79,200	110,800	17,200	25,500	2,100	0	246,200
1980	0	26,000	29,700	39,700	72,000	26,000	15,100	1,100	0	209,000
1981	0	27,700	700	29,600	72,000	16,800	12,300	1,400	0	160,700
1982	0	24,700	13,200	121,500	52,000	12,100	7,400	1,400	0	232,100
1983	0	11,100	14,700	34,100	12,100	1,900	4,900	800	0	79,500
1984	0	4,500	2,500	20,200	34,500	800	1,200	700	0	64,300
1985	0	34,500	20,400	61,400	70,900	24,600	4,300	1,000	0	217,100
1986	0	36,500	52,600	134,100	118,100	34,400	26,100	800	0	402,700
1987	0	43,400	56,500	264,100	87,600	60,700	15,100	1,900	0	529,300
1988	0	62,600	100,100	100,400	134,000	26,600	44,600	1,700	0	470,100
1989	0	100,300	62,600	71,300	75,200	25,100	16,000	3,100	0	353,500
1990	0	15,500	33,000	105,900	64,800	9,000	4,200	<50	0	232,400
1991	0	3,500	12,700	11,200	16,100	19,600	11,600	0	0	74,600
1992	0	20,500	2,300	26,400	31,700	12,300	17,400	0	0	110,500
1993	0	21,000	15,500	11,500	11,000	14,600	7,000	1,000	0	81,500
1994	0	8,000	8,800	200	200	1,100	6,700	400	0	25,300
1995	0	13,100	28,800	1,300	89,700	46,500	28,300	800	0	214,600
1996	0	21,400	45,400	3,200	61,600	30,600	12,700	2,300	0	177,100
1997	6,900	30,400	36,000	100	44,700	26,900	4,100	700	0	149,700
1998	20,000	39,700	29,800	5,000	20,600	5,000	4,000	900	0	124,900
1999	800	6,100	23,700	8,600	18,500	1,900	2,800	1,300	<50	63,700
2000	1,200	6,300	11,900	19,900	51,400	30,800	13,100	1,600	400	136,600
2001	18,500	62,100	45,700	38,600	62,800	31,900	15,000	2,100	<50	276,700

COHO										
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1979	0	0	400	537,100	153,500	6,400	0	0	0	697,100
1980	0	0	0	195,200	180,200	17,500	0	0	0	392,900
1981	0	0	0	318,300	304,200	0	0	0	0	622,500
1982	0	0	0	518,300	100	0	0	0	0	518,400
1983	0	0	<50	275,300	38,000	6,400	0	0	0	319,600
1984	0	0	0	0	13,800	0	0	0	0	13,800
1985	0	<50	0	66,000	18,300	0	0	0	0	84,200
1986	0	0	12,100	382,200	46,100	0	0	0	0	440,400
1987	0	0	4,400	266,200	63,700	19,800	0	0	0	354,000
1988	0	0	1,600	387,800	233,900	0	0	0	0	623,200
1989	0	0	1,000	374,800	70,100	9,900	0	0	0	455,700
1990	0	0	100	82,500	33,200	6,200	300	0	0	122,300
1991	0	0	91,200	188,800	16,700	10,500	0	0	0	307,100
1992	0	0	0	18,100	31,700	<50	<50	0	0	49,800
1993	0	0	0	200	600	900	<50	0	0	1,700
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	<50	200	0	0	0	0	200
2000	0	0	0	0	11,600	700	0	0	0	12,300
2001	0	0	0	3,700	3,400	2,300	0	0	0	9,400

Appendix Table 6. Oregon commercial ocean troll salmon chinook catch, in number of fish, by statistical week^a and area of catch, 2001.

Stat. Week	Area of catch									Total
	Col. R.	Tillamook	Newport	Coos Bay	Brookings	OR Subtotal	Alaska	Wash.	California	
	2	3	4	5	6		8	1	7	
14	-	0	281	595	-	876	0	0	0	876
15	-	256	1,161	1,380	-	2,797	0	0	0	2,797
16	-	232	1,986	3,892	-	6,110	0	0	0	6,110
17	-	303	5,108	3,342	-	8,753	0	0	0	8,753
18	0	49	666	733	5	1,453	0	0	0	1,453
19	7	221	4,768	1,870	7	6,873	0	0	0	6,873
20	0	138	6,910	2,387	0	9,435	0	0	0	9,435
21	111	450	12,096	3,933	15	16,605	0	75	488	17,168
22	262	69	20,932	5,330	206	26,799	0	330	0	27,129
23	955	282	6,659	3,438	42	11,376	0	98	0	11,474
24	749	645	5,320	3,304	29	10,047	0	587	0	10,634
25	-	2,546	12,310	2,810	46	17,712	0	0	0	17,712
26	-	1,326	3,727	559	245	5,857	0	0	0	5,857
27	-	2,051	1,664	3,022	-	6,737	0	104	45	6,886
28	-	3,473	5,120	3,093	-	11,686	0	0	0	11,686
29	243	1,552	8,820	5,539	-	16,154	0	0	0	16,154
30	682	554	65	2,587	-	3,888	0	0	0	3,888
31	198	1,238	13,152	5,409	107	20,104	0	0	0	20,104
32	250	1,662	2,753	882	129	5,676	0	0	0	5,676
33	129	2,807	11,621	2,175	221	16,953	0	0	0	16,953
34	131	589	3,793	1,487	331	6,331	0	0	0	6,331
35	45	480	9,375	3,284	502	13,686	0	0	0	13,686
36	49	730	3,156	3,023	147	7,105	0	0	0	7,105
37	125	1,603	2,780	644	34	5,186	0	0	0	5,186
38	154	1,274	9,363	466	120	11,377	0	0	0	11,377
39	1	360	5,057	2,078	685	8,181	0	0	6	8,187
40	-	1,059	4,838	734	25	6,656	0	0	0	6,656
41	-	18	2,843	1,273	76	4,210	0	0	0	4,210
42	-	264	1,511	1,018	361	3,154	0	0	0	3,154
43	-	84	53	661	225	1,023	0	0	0	1,023
44	-	38	756	591	41	1,426	0	0	0	1,426
45	-	4	-	407	-	411	0	0	0	411
46	-	-	-	75	-	75	0	0	0	75
47	-	-	-	52	-	52	0	0	0	52
48	-	-	-	178	-	178	0	0	0	178
49	-	-	-	21	-	21	0	0	0	21
50	-	-	-	-	-	0	0	0	0	0
Total	4,091	26,357	168,644	72,272	3,599	274,963	0	1,194	539	276,696

^a Refer to Appendix Table 21 for 2001 statistical week calendar.

Appendix Table 7. Oregon commercial ocean troll salmon coho catch, in number of fish, by statistical week^a and area of catch, 2001.

Stat. Week	Area of catch										Total
	Col. R.	Tillamook	Newport	Coos Bay	Brookings	OR Subtotal	Alaska	Wash.	California		
	2	3	4	5	6		8	1	7		
14	-	-	-	-	-	0	-	-	-	0	
15	-	-	-	-	-	0	-	-	-	0	
16	-	-	-	-	-	0	-	-	-	0	
17	-	-	-	-	-	0	-	-	-	0	
18	-	-	-	-	-	0	-	-	-	0	
19	-	-	-	-	-	0	-	-	-	0	
20	-	-	-	-	-	0	-	-	-	0	
21	-	-	-	-	-	0	-	-	-	0	
22	-	-	-	-	-	0	-	-	-	0	
23	-	-	-	-	-	0	-	-	-	0	
24	-	-	-	-	-	0	-	-	-	0	
25	-	-	-	-	-	0	-	-	-	0	
26	-	-	-	-	-	0	-	-	-	0	
27	-	-	-	-	-	0	-	34	-	34	
28	-	-	-	-	-	0	-	0	-	0	
29	1,522	-	-	-	-	1,522	-	0	-	1,522	
30	2,179	-	-	-	-	2,179	-	0	-	2,179	
31	389	-	-	-	-	389	-	0	-	389	
32	982	-	-	-	-	982	-	0	-	982	
33	1,067	-	-	-	-	1,067	-	0	-	1,067	
34	490	-	-	-	-	490	-	0	-	490	
35	448	-	-	-	-	448	-	0	-	448	
36	221	-	-	-	-	221	-	0	-	221	
37	1,079	-	-	-	-	1,079	-	0	-	1,079	
38	932	-	-	-	-	932	-	0	-	932	
39	24	-	-	-	-	24	-	0	-	24	
40	-	-	-	-	-	0	-	-	-	0	
41	-	-	-	-	-	0	-	-	-	0	
42	-	-	-	-	-	0	-	-	-	0	
43	-	-	-	-	-	0	-	-	-	0	
44	-	-	-	-	-	0	-	-	-	0	
45	-	-	-	-	-	0	-	-	-	0	
46	-	-	-	-	-	0	-	-	-	0	
47	-	-	-	-	-	0	-	-	-	0	
48	-	-	-	-	-	0	-	-	-	0	
49	-	-	-	-	-	0	-	-	-	0	
50	-	-	-	-	-	0	-	-	-	0	
Total	9,333	0	0	0	0	9,333	0	34	0	9,367	

^a Refer to Appendix Table 21 for 2001 statistical week calendar.

Appendix Table 8. Estimates of nominal ex-vessel value^a for Oregon ocean commercial troll salmon landings and average price per pound, 1971-2001.

Year	Chinook		Coho		Total Value
	\$ Value	\$/lb	\$ Value	\$/lb	
1971	587,000	0.59	3,155,000	0.36	3,742,000
1972	982,000	0.75	2,475,000	0.51	3,457,000
1973	3,520,000	1.02	4,004,000	0.78	7,524,000
1974	2,412,000	1.05	5,525,000	0.76	7,937,000
1975	2,680,000	1.04	3,128,000	0.77	5,808,000
1976	3,410,000	1.77	11,458,000	1.26	14,868,000
1977	7,938,000	2.29	3,546,000	1.34	11,484,000
1978	3,584,000	1.89	3,756,000	1.35	7,340,000
1979	6,645,000	2.57	10,353,000	2.25	16,998,000
1980	5,262,000	2.42	2,928,000	1.33	8,189,000
1981	4,035,000	2.56	5,541,000	1.66	9,576,000
1982	6,092,000	2.59	3,805,000	1.40	9,897,000
1983	1,246,000	1.90	1,052,000	0.95	2,298,000
1984	1,514,000	2.75	121,000	1.73	1,635,000
1985	5,047,000	2.48	729,000	1.50	5,777,000
1986	5,978,000	1.77	1,979,000	1.03	7,958,000
1987	13,438,000	2.59	3,307,000	1.72	16,745,000
1988	14,008,000	3.19	7,616,000	2.28	21,624,000
1989	7,853,000	2.22	2,131,000	1.06	9,984,000
1990	5,525,000	2.53	1,014,000	1.60	6,540,000
1991	1,716,000	2.46	1,395,000	0.98	3,111,000
1992	2,489,000	2.45	223,000	1.07	2,712,000
1993	1,661,000	2.18	10,000	1.13	1,671,000
1994	690,000	2.40	0	NA	690,000
1995	3,294,000	1.69	0	NA	3,294,000
1996	3,007,000	1.56	0	NA	3,007,000
1997	2,468,800	1.60	0	NA	2,468,800
1998	2,297,300	1.64	0	NA	2,297,300
1999	1,404,600	1.94	0	NA	1,404,600
2000	2,991,953	2.01	77,419	1.06	3,069,372
2001	4,680,479	1.61	41,309	0.78	4,721,788

^a Dressed weight value

Appendix Table 9. Recreational ocean salmon sampling rates at Oregon ports, 1992-2001 (NF=No Fishery, NS=No Sampling).

Port	Percent of Catch Sampled ^a									
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Astoria	44	42	NF	32	37	46	45	37	42	24
Garibaldi	37	52	24	42	32	41	53	56	47	39
Pacific City	70	84	^c	100	^c	75	55	78	76	50
Depoe Bay	46	74	40	75	72	65	76	73	57	47
Newport	36	36	^c	50	46	53	54	50	50	45
Florence	34	40	33	40	64	45	59	79	90	63
Winchester Bay	25	45	40	NS	42	54	25	43	39	35
Coos Bay	39	38	^c	28	43	36	36	58	63	49
Bandon	NS	NS	NS	NS	NS	NS	NS	33	76	64
Port Orford	NS	NS	NS	NS	NS	NS	NS	25	^c	100
Gold Beach	NS	NS	NS	NS	NS	NS	38	39	53	40
Brookings	34	58	28	36	33	29	42	31	34	37
Coastwide percentage	37	43	26	34	36	40	45	44	47	37
Number of samplers	21	24 ^b	12	13	15	15	15	22	30	27
Sampler months	64	69 ^b	47	56	58	61	61	91	142	121

^a Percentage of total catch observed by samplers = number of salmon observed/estimated catch of salmon.

^b Includes 4 samplers (8 sampler months) participating in the Columbia River Control Zone test fishery.

^c No salmon observed in the sampling.

Appendix Table 10. Summary of Oregon's recreational ocean salmon regulations, 1946-2001.

Year	Open Area	Open Season	Open Days	Catch Limits			Size Limits (Inches)			Gear Restrictions	Misc Regulations
				Daily	7 Day	Annual	Chin.	Coho	Pink		
1946	Statewide	All year	All	3	NA	NA	none	none	none	None	Possession limit of 9 salmon.
1947	Statewide	All year	All	2	NA	NA	none	none	none	None	Possession limit of 6 salmon.
1948-54	Statewide	All year	All	2	NA	20	none	none	none	None	Possession limit of 4 salmon.
1955-57	Statewide	All year	All	2	NA	20	20	20	20	None	Possession limit of 4 salmon.
1958-64	North of Tillamook Head	1/1-6/30; 11/1-12/31	All	2	NA	20	20	20	20	None	Possession limit of 4 salmon.
	North of Tillamook Head	7/1-10/31	All	2	NA	20	22	22	22	None	Possession limit of 4 salmon.
	South of Tillamook Head	All year	All	2	NA	20	20	20	20	None	Possession limit of 4 salmon.
1965-69	Statewide	All year	All	3	NA	20	20	20	20	None	Possession limit of 6 salmon.
1970-75	North of Tillamook Head	All year	All	3	NA	40	20	20	20	None	
	South of Tillamook Head	All year	All	3	NA	40	none	none	none	None	
1976	North of Tillamook Head	4/10-12/31	All	3	NA	40	24	16	none	None	
	South of Tillamook Head	4/10-12/31	All	3	NA	40	none	none	none	None	
1977	North of Tillamook Head	4/30-10/31	All	3	NA	40	24	16	none	None	
	South of Tillamook Head	4/30-10/31	All	3	NA	40	none	none	none	None	
	Slate waters off Elk and Chetco Rivers	11/1-30	All	3	NA	40	none	NA	NA	None	Chinook only fishery.
1978	North of Cape Falcon	4/29-10/31	All	3	NA	40	24	16	none	None	
	South of Cape Falcon	4/30-10/31	All	3	NA	40	22	16	none	None	
	Slate waters off Elk and Chetco Rivers	11/1-30	All	3	NA	40	22	NA	NA	None	Chinook only fishery.
1979	North of Cape Falcon	5/12-9/16	All	3	NA	40	24	16	none	None	Only 2 can be chinook or coho.
	South of Cape Falcon	5/12-9/2	All	2	NA	40	22	16	none	None	
	South of Cape Falcon	9/3-16	All	2	NA	40	22	NA	none	None	Closed to coho.
	State waters off Elk River	11/1-30	All	2	NA	40	22	NA	NA	None	Chinook only fishery.
	State waters off Chetco River	9/17-11/30	All	2	NA	40	22	NA	NA	None	Chinook only fishery.
1980	North of Cape Falcon	5/10-7/15	All	3	NA	40	24	16	none	None	
	North of Cape Falcon	7/16-8/31	All	2	NA	40	24	16	none	None	
	North of Cape Falcon (0-3 miles)	9/1-14	All	2	NA	40	24	16	none	None	
	South of Cape Falcon	5/10-7/15	All	3	NA	40	22	16	none	None	
	South of Cape Falcon	7/16-8/31	All	2	NA	40	22	16	none	None	
	South of Cape Falcon (0-3 miles)	9/1-14	All	2	NA	40	22	16	none	None	
	South of Cape Falcon (0-3 miles)	9/15-10/31	All	2	NA	40	22	NA	NA	None	Chinook only fishery.
	Slate waters off Elk and Chetco Rivers	11/1-30	All	2	NA	40	22	NA	NA	None	Chinook only fishery.

Appendix Table 10 continued. Summary of Oregon's recreational ocean salmon regulations, 1946-2001.

Year	Open Area	Open Season	Open Days	Catch Limits			Size Limits (inches)			Gear Restrictions	Misc Regulations
				Daily	7 Day	Annual	Chin.	Coho	Pink		
1981	North of Cape Falcon	5/23-8/25	All	2	NA	40	24	16	none	None	
	North of Cape Falcon (0-3 miles)	8/26-9/7	All	2	NA	40	24	16	none	None	
	South of Cape Falcon	5/15-8/13	All	2	NA	40	22	16	none	None	
	South of Cape Falcon	8/14-25	All	3	NA	40	22	16	none	None	
	South of Cape Falcon (0-3 miles)	8/26-9/20	All	3	NA	40	22	16	none	None	
	South of Cape Blanco	9/21-10/31	All	2	NA	40	22	NA	NA	None	Chinook only fishery.
	State waters off Elk and Chocoma Rivers	11/1-30	All	2	NA	40	22	NA	NA	None	Chinook only fishery.
1982	North of Cape Falcon	6/12-7/21	All	2	NA	40	24	16	none	None	
	North of Cape Falcon (0-3 miles)	7/22-7/25	All	2	NA	40	24	16	none	None	
	North of Cape Falcon (0-3 miles)	7/26-8/1	All	2	NA	40	24	16	none	Barbless hooks	Only 1 coho.
	Cape Falcon to Cape Blanco	5/29-6/11	All	2	NA	40	none	NA	NA	Barbless hooks	First 2 chinook only.
	Cape Falcon to Cape Blanco	6/12-7/25	All	2	NA	40	none	none	none	None	First 2 salmon only.
	Cape Falcon to Cape Blanco (0-3 miles)	7/26-8/1	All	2	NA	40	none	none	none	None	First 2 salmon only.
	South of Cape Blanco	5/29-8/1	All	2	NA	40	none	none	none	None	First 2 salmon only.
	South of Cape Blanco	8/2-10/31	All	2	NA	40	none	NA	NA	None	First 2 chinook only.
	State waters off Elk and Chocoma Rivers	11/1-30	All	2	NA	40	22	NA	NA	None	Chinook only fishery.
1983	Columbia R. S. Jetty to 46°06'00" (0-3 miles)	6/18-7/29	All	2	NA	40	24	16	none	None	
	46°06'00" to Cape Falcon (0-6 miles)	6/18-7/29	All	2	NA	40	24	16	none	None	
	North of Cape Falcon	7/30-8/15	All	2	NA	40	24	16	none	None	
	Columbia R. S. Jetty to Cape Falcon (0-10 miles)	8/16-9/11	All	2	NA	40	24	16	none	None	
	Cape Falcon to Cape Blanco	6/18-9/18	All	2	NA	40	none	none	none	None	First 2 salmon only.
	Twin Rocks to Pyramid Rock (inside of whistle buoy)	9/19-10/31	All	2	NA	40	none	NA	NA	None	First 2 chinook only.
	South of Cape Blanco	5/28-9/18	All	2	NA	40	none	none	none	None	First 2 salmon only.
	South of Cape Blanco	9/19-10/31	All	2	NA	40	none	NA	NA	None	First 2 salmon, except closed to coho.
	State waters off Elk River	11/1-30	All	2	NA	40	none	NA	NA	None	First 2 chinook only.
1984	Columbia R. S. Jetty to Cape Falcon (0-10 miles)	7/28-8/8	All	2	NA	40	NA	16	none	Barbless hooks	Closed to chinook.
	South of Cape Falcon	7/9-8/7	All	2	NA	40	20	20	none	Barbless hooks	
	Cape Falcon to Cape Blanco (0-3 miles)	8/25-9/3	All	1	NA	40	20	20	none	Barbless hooks	
	Manhattan Beach to Pyramid Rock (0-3 miles)	9/15-21	All	2	NA	40	20	NA	none	Barbless hooks	Closed to coho.
	South of Cape Blanco	8/8-24	All	2	NA	40	20	NA	none	Barbless hooks	Closed to coho.
	South of Cape Blanco (0-3 miles)	8/25-9/3	All	2	NA	40	20	20	none	Barbless hooks	Only 1 coho.
	South of Cape Blanco	9/4-10/31	All	2	NA	40	20	NA	none	Barbless hooks	Closed to coho.
	Cape Blanco to Humboldt Mts. (0-3 miles)	11/1-30	All	2	NA	40	20	NA	NA	Barbless hooks	Chinook only.

Appendix Table 10 continued. Summary of Oregon's recreational ocean salmon regulations, 1946-2001.

Year	Open Area	Open Season	Open Days	Catch Limits			Size Limits (inches)			Gear Restrictions	Misc Regulations
				Daily	7 Day	Annual	Chin.	Coho	Pink		
1985	North of Cape Falcon	6/30-8/22	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ <i>a/</i> closed.
	Cape Falcon to Cape Blanco	7/1-9/2	All	2	6	40	none	none	none	None	First 2 salmon.
	Twin Rocks to Pyramid Rock (0-3 miles)	9/15-10/31	All	2	6	40	none	NA	none	None	First 2 salmon, closed to coho.
	South of Cape Blanco	5/25-9/2	All	2	6	40	none	none	none	None	First 2 salmon.
	South of Cape Blanco	9/3-10/31	All	2	6	40	none	NA	none	None	First 2 salmon, closed to coho.
	Tower Rock to Humbug Mt. (0-3 miles)	10/1-11/30	All	2	6	40	none	NA	none	None	First 2 salmon, closed to coho.
1986	North of Cape Falcon	6/29-8/19	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ <i>a/</i> closed.
	Cape Falcon to Cape Blanco	5/24-26; 6/28-7/26	All	2	6	40	none	none	none	None	First 2 salmon.
	Cape Falcon to Cape Blanco	7/27-28	Tues-Sat	2	6	40	none	none	none	None	First 2 salmon.
	Cape Falcon to Cape Blanco	7/29-8/13	Tues-Sat	2	2	40	none	none	none	None	First 2 salmon.
	Twin Rocks to Pyramid Rock (0-3 miles)	9/15-11/15	All	2	6	40	none	NA	none	None	First 2 salmon, closed to coho.
	South of Cape Blanco	5/24-6/22	All	2	6	40	20	20	none	Barbless hooks	Limit of 1 coho and 1 chinook.
	South of Cape Blanco	6/23-9/7	All	2	6	40	20	20	none	Barbless hooks	
	Cape Blanco to Humbug Mt. (0-3 miles)	10/1-11/26	All	2	6	40	20	NA	none	Barbless hooks	Closed to the take of coho.
	Goat Island to OR/CA Border (east of 124°20'00")	10/1-31	All	2	6	40	20	NA	none	Barbless hooks	Closed to the take of coho.
1987	North of Cape Falcon	6/28-7/18	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ <i>a/</i> closed.
	North of Cape Falcon (3-200 miles)	7/19-8/8	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ <i>a/</i> closed.
	North of Cape Falcon	8/9-19	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ <i>a/</i> closed.
	Cape Falcon to Cape Blanco	6/13-9/13	All	2	6	40	none	none	none	None	
	Twin Rocks to Pyramid Rock (0-3 miles)	9/14-10/31	All	2	6	40	none	NA	none	None	First 2 salmon, closed to coho.
	South of Cape Blanco	5/23-9/13	All	2	6	40	20	20	none	Barbless hooks	
	Cape Blanco to Humbug Mt. (0-3 miles)	10/1-11/30	All	2	6	40	20	NA	none	Barbless hooks	Closed to the take of coho.
	Goat Island to OR/CA Border (east of 124°20'00")	10/1-31	All	2	6	40	20	NA	none	Barbless hooks	Closed to the take of coho.
1988	North of Cape Falcon (0-3 miles)	7/11-24	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	Only 1 chinook daily. CRCZ <i>a/</i> closed.
	Cape Falcon to Orford Reef Buoy (0-27 fathoms)	5/1-27	All	2	6	40	20	16	none	Barbless hooks	First 2 salmon.
	Cape Falcon to Orford Reef Buoy	5/28-9/11	All	2	6	40	20	16	none	Barbless hooks	First 2 salmon.
	Twin Rocks to Pyramid Rock (0-3 miles)	9/12-10/31	All	2	6	40	none	NA	none	None	Closed to the take of coho.
	South of the Orford Reef Buoy	5/28-7/9	All	2	6	40	20	20	none	Barbless hooks	
	South of the Orford Reef Buoy	7/10-9/11	All	1	6	40	20	20	none	Barbless hooks	
	Orford Reef Red Buoy to Humbug Mt. (0-3 miles)	10/1-31	All	2	6	40	none	NA	none	Barbless hooks	Closed to the take of coho.
	Cape Blanco to Humbug Mt. (0-3 miles)	11/1-30	All	2	6	40	none	NA	none	Barbless hooks	Closed to the take of coho.

Appendix Table 10 continued. Summary of Oregon's recreational ocean salmon regulations, 1946-2001.

Year	Open Area	Open Season	Open Days	Catch Limits			Size Limits (inches)			Gear Restrictions	Misc Regulations
				Daily	7 Day	Annual	Chin.	Coho	Pink		
1989	North of Cape Falcon (0-6 miles)	5/28-6/12	Sun-Mon	2	NA	40	24	NA	none	Barbless hooks	Closed to coho. CRCZ <i>a/</i> closed.
	North of Cape Falcon	6/26-8/17	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ <i>a/</i> closed.
	Cape Falcon to Orford Reef Buoy (0-27 fathoms)	5/1-26	All	2	6	40	20	16	none	Barbless hooks	
	Cape Falcon to Orford Reef Buoy	5/27-7/27	All	2	6	40	20	16	none	Barbless hooks	
	Cape Falcon to Orford Reef Buoy	7/28-8/20	Sun-Thurs	2	6	40	20	16	none	Barbless hooks	
	Cape Falcon to Orford Reef Buoy	9/2-4	All	2	6	40	20	16	none	Barbless hooks	
	Twin Rocks to Pyramid Rock (0-3 miles)	9/16-10/31	All	2	6	40	none	NA	none	None	Closed to the take of coho.
	South of the Orford Reef Buoy	5/1-9/30	All	2	6	40	20	20	none	Barbless hooks	
	Cape Blanco to Humbug Mt. (0-3 miles)	10/1-11/30	All	2	6	40	none	NA	none	Barbless hooks	Closed to the take of coho.
1990	North of Cape Falcon	6/24-8/30; 9/8-9	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ <i>a/</i> closed.
	Cape Falcon to Humbug Mt. (0-27 fathoms)	5/1-27	All	2	6	40	20	16	none	Barbless hooks	
	Cape Falcon to Humbug Mt.	5/28-6/22	All	2	6	40	20	16	none	Barbless hooks	
	Cape Falcon to Humbug Mt.	6/30-7/31	All	2	6	40	20	16	none	Barbless hooks	
	Cape Falcon to Humbug Mt.	8/8-9/16	All	2	6	40	20	16	none	Barbless hooks	
	Twin Rocks to Pyramid Rock (0-3 miles)	9/17-10/31	All	2	6	40	none	NA	none	None	Closed to the take of coho.
	South of Humbug Mt.	5/1-6/29	All	2	6	40	20	20	none	Barbless hooks	
	South of Humbug Mt.	6/30-8/15	All	2	6	40	20	20	none	Barbless hooks	Not more than 1 chinook daily.
	South of Humbug Mt.	8/16-9/9	All	2	6	40	20	20	none	Barbless hooks	
1991	North of Cape Falcon	6/24-8/12	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ <i>a/</i> closed.
	North of Cape Falcon	9/15-18; 9/26	All	2	NA	40	24	16	none	Barbless hooks	CRCZ <i>a/</i> closed.
	Cape Falcon to Humbug Mt. (0-27 fathoms)	5/1-26	All	2	6	40	20	16	none	Barbless hooks	
	Cape Falcon to Humbug Mt.	5/27-7/28	All	2	6	40	20	16	none	Barbless hooks	
	Twin Rocks to Pyramid Rock (0-3 miles)	9/16-10/31	All	2	6	40	none	NA	none	None	Closed to the take of coho.
	South of Humbug Mt.	5/25-7/29	Thurs-Mon	2	6	40	20	20	none	Barbless hooks	Not more than 1 chinook daily.
	South of Humbug Mt.	7/23-28	Fri-Sun	2	6	40	20	20	none	Barbless hooks	Not more than 1 chinook daily.
	South of Humbug Mt.	8/31-9/2	All	2	6	40	20	20	none	Barbless hooks	Not more than 1 chinook daily.
	South of Humbug Mt.	9/6-29	Fri-Sun	2	6	40	20	20	none	Barbless hooks	Not more than 1 chinook daily.
1992	North of Cape Falcon (0-3 miles)	6/29-7/30	Sun-Thurs	2	4	40	24	16	none	Barbless hooks	CRCZ <i>a/</i> closed.
	North of Cape Falcon	8/2-6; 9/16-17; 9/27	Sun-Thurs	2	4	40	24	16	none	Barbless hooks	CRCZ <i>a/</i> closed.
	Cape Falcon to Humbug Mt. (0-27 fathoms)	5/3-6/11	Sun-Thurs	2	4	20	20	16	none	Barbless hooks	
	Cape Falcon to Florence S. Jetty	6/14-9/10	Sun-Thurs	2	4	20	20	16	none	Barbless hooks	
	Twin Rocks to Pyramid Rock (0-3 miles)	9/16-10/31	All	2	6	40	none	NA	none	None	Closed to the take of coho.
	Florence S. Jetty to Humbug Mt.	6/14-7/2	Sun-Thurs	2	4	20	20	16	none	Barbless hooks	
	Florence S. Jetty to Humbug Mt.	7/5-8/31	Sun-Thurs	2	4	20	NA	16	none	Barbless hooks	Closed to the take of chinook.
	Florence S. Jetty to Humbug Mt.	9/1-10	Sun-Thurs	2	4	20	20	16	none	Barbless hooks	
	Cape Blanco to Humbug Mt. (0-3 miles)	10/24-26	All	1	6	40	20	NA	none	Barbless hooks	Closed to the take of coho.
	South of Humbug Mt.	7/6-20	Mon-Wed	1	6	40	20	20	none	Barbless hooks	
	South of Humbug Mt.	9/1-7	All	1	6	40	20	20	none	Barbless hooks	
	Goat Island to Red Point (0-3 miles)	10/15-26	All	1	6	40	20	NA	none	Barbless hooks	Closed to the take of coho.

Appendix Table 10 continued. Summary of Oregon's recreational ocean salmon regulations, 1946-2001.

Year	Open Area	Open Season	Open Days	Catch Limits			Size Limits (inches)			Gear Restrictions	Misc Regulations
				Daily	7 Day	Annual	Chin.	Coho	Pink		
1993	North of Cape Falcon	7/5-9/9	Sun-Thurs	2	4	40	24	16	none	Barbless hooks	CRCZ w/ closed.
	North of Cape Falcon	9/12-23	All	2	4	40	24	16	none	Barbless hooks	CRCZ w/ closed.
	Cape Falcon to Humbug Mt. (0-27 fathoms)	5/1-6/5	All	2	2	10	20	16	none	Barbless hooks	
	Cape Falcon to Humbug Mt.	7/13-8/10	Sun-Tues	2	2	10	20	16	none	Barbless hooks	
	Twin Rocks to Pyramid Rock (0-3 miles)	9/16-10/31	All	2	6	40	none	NA	none	None	Closed to the take of coho.
	Cape Blanco to Humbug Mt. (0-3 miles)	10/1-11/30	All	2	6	40	20	NA	none	Barbless hooks	Closed to the take of coho.
	South of Humbug Mt.	5/5-6/19	Wed-Sat	1	6	40	20	20	none	Barbless hooks	
	South of Humbug Mt.	7/14-8/28	Wed-Sat	1	6	40	20	20	none	Barbless hooks	
	South of Humbug Mt.	9/1-6	All	1	6	40	20	20	none	Barbless hooks	
1994	Cape Falcon to Humbug Mt. (0-27 fathom)	5/1-6/5	All	2	2	10	20	NA	none	Barbless hooks	Closed to the take of coho
	Twin Rocks to Pyramid Rock (0-27 fathom)	6/6-19	All	2	2	10	20	NA	none	Barbless hooks	Closed to the take of coho
	Twin Rocks to Pyramid Rock (0-3 miles)	10/1-11/15	All	2	6	40	none	NA	none	Barbless hooks	Closed to the take of coho
	Cape Blanco to Humbug Mt. (0-3 miles)	10/1-11/7	All	1	4	40	20	NA	none	Barbless hooks	Closed to the take of coho
	South of Humbug Mt.	5/1-6/7	All	2	6	40	none	NA	none	Barbless hooks	Closed to the take of coho
	South of Humbug Mt.	8/27-9/5	All	2	6	40	none	NA	none	Barbless hooks	Closed to the take of coho
	Goat Island to Red Point (0-3 miles)	10/10-25	All	1	4	40	20	NA	none	Barbless hooks	Closed to the take of coho
1995	North of Cape Falcon	7/24-9/5; 9/10-17	Sun-Thurs	2	4	40	NA	16	none	Barbless hooks	Open to all salmon except chinook
	Cape Falcon to Humbug Mt.	5/1-6/30	All	2	6	10	20	NA	none	Artificial plugs or baits > 6"; no painted weights or attractors such as flashers or colored divers (by regulation uncolored divers are not considered attractors);	Open to all salmon except coho
	Twin Rocks to Pyramid Rock (0-3 miles)	9/16-11/15	All	2	6	40	20	NA	none	Artificial plugs, whole or plug-cut baits > 6"; no painted weights or attractors such as flashers or colored divers (by regulation uncolored divers are not considered attractors); no more than 2 single point, single shank barbless hooks.	Open to all salmon except coho
	Yaquina Head to Seal Rock (0-3 miles)	9/16-10/31	All	2	6	40	20	NA	none	Artificial plugs or baits > 6"; no painted weights or attractors such as flashers or colored divers (by regulation uncolored divers are not considered attractors); no more than 2 single point, single shank barbless hooks.	Open to all salmon except coho
	3 M. north of North Jetty to Copo Arago (0-3 m.)	9/16-10/31	All	2	6	40	20	NA	none	Artificial plugs or baits > 6"; no painted weights or attractors such as flashers or colored divers (by regulation uncolored divers are not considered attractors); no more than 2 single point, single shank barbless hooks.	Open to all salmon except coho
	Cape Blanco to Humbug Mt.	10/1-11/7	All	2	6	40	20	NA	none	Artificial plugs or baits > 6"; no painted weights or attractors such as flashers or colored divers (by regulation uncolored divers are not considered attractors); no more than 2 single point, single shank barbless hooks.	Open to all salmon except coho
	Humbug Mt. to Horse Mt.	5/17-7/1	Wed-Sat.	1	4	40	20	NA	none	Barbless hooks	Open to all salmon except coho
	Humbug Mt. to Horse Mt.	8/16-18	Wed-Sat.	1	4	40	20	NA	none	Barbless hooks	Open to all salmon except coho
	Humbug Mt. to Horse Mt.	9/1-9	All	1	6	40	20	NA	none	Barbless hooks	Open to all salmon except coho
	Goat Island to 42° 01' 20"N	10/10-15; 10/21-22	All	1	4	40	20	NA	none	Barbless hooks	Open to all salmon except coho
1996	North of Cape Falcon	7/22-9/26	Sun-Thurs	2	4	40	NA	16	none	Barbless hooks	Open to all salmon except chinook
	Cape Falcon to Humbug Mt.	5/1-7/7; 8/16-9/30	All	2	6	10	20	NA	none	Artificial plugs or baits > 6"; no painted weights or attractors such as flashers or colored divers (by regulation uncolored divers are not considered attractors); no more than 2 single point, single shank barbless hooks.	Open to all salmon except coho
	Twin Rocks to Pyramid Rock (0-3 miles)	10/1-31	All	2	4	40	20	NA	none	Artificial plugs, whole or plug-cut baits > 6"; no painted weights or attractors such as flashers or colored divers (by regulation uncolored divers are not considered attractors); no more than 2 single point, single shank barbless hooks.	Chinook only (0-3 miles)
	Cape Blanco to Humbug Mt.	10/1-11/30	All	1	4	40	20	NA	none	Barbless hooks	Chinook only (0-3 miles)
	Humbug Mt. to Horse Mt.	5/12-7/7; 8/18-9/21	All	1	4	40	20	NA	none	Barbless hooks	Open to all salmon except coho
	Goat Island to 42° 01' 20"N	10/5-13	All	1	4	40	20	NA	none	Barbless hooks	Chinook only (0-3 miles)

Appendix Table 10 continued. Summary of Oregon's recreational ocean salmon regulations, 1946-2001.

Year	Open Area	Open Season	Open Days	Catch Limits			Size Limits (inches)			Gear Restrictions	Misc. Regulations
				Daily	7 Day	Annual	Chin.	Coho	Pink		
1997	North of Cape Falcon Cape Falcon to Humbug Mt.	7/21 - 8/7 4/15 - 7/6; 8/1 - 10/31	Sun-Thurs All	2 2	4 6	20 20	NA 20	16 NA	none none	Artificial plugs, whole or plug-cut bait > 6"; attractors such as flashers and divers were prohibited except that flashers could be used with a downrigger. No more than 2 single point, single shank barbless hooks.	Open to all salmon except coho
	Twin Rocks to Pyramid Rock (0-3 miles)	11/1 - 11/15	All	2	4	20	20	NA	none	Artificial plugs, whole or plug-cut bait > 6"; attractors such as flashers and divers were prohibited except that flashers could be used with a downrigger. No more than 2 single point, single shank barbless hooks.	Chinook only (0-3 miles)
	Cape Blanco to Humbug Mt. Humbug Mt. to Horse Mt. Goat Island to 42 01' 20"N	11/1 - 11/30 5/24 - 5/30; 6/17 - 7/6; 8/12 - 9/14 10/4 - 10/12	All All All	1 1 1	4 4 4	20 20 20	20 20 20	NA NA NA	none none none	Barbless hooks Barbless hooks Barbless hooks	Chinook only (0-3 miles) Open to all salmon except coho Chinook only (0-3 miles)
	1998	North of Cape Falcon	8/3 - 8/9; 9/3	Sun-Thurs	2	4	20	24	16	none	
1998	Cape Falcon to Humbug Mt.	4/15 - 7/6; 8/1 - 10/31	All	2	6	20	20	NA	none	Whole or plug-cut bait > 6"; attractors such as flashers and divers were prohibited except that flashers could be used with a downrigger. No more than 2 single point, single shank barbless hooks.	Open to all salmon except coho
	Twin Rocks to Pyramid Rock (0-3 miles)	11/1 - 11/15	All	2	4	10	20	NA	none	Artificial plugs, whole or plug-cut bait > 6"; attractors such as flashers and divers were prohibited except that flashers could be used with a downrigger. No more than 2 single point, single shank barbless hooks.	Chinook only (0-3 miles)
	Cape Blanco to Humbug Mt. Humbug Mt. to Horse Mt. Goat Island to 42 01' 20"N	11/1 - 11/30 5/23 - 6/10; 6/21 - 7/5; 8/11 - 9/13 10/5 - 10/14	All All All	1 1 1	4 4 4	20 20 20	20 20 20	NA NA NA	none none none	Barbless hooks Barbless hooks Barbless hooks	Chinook only (0-3 miles) Open to all salmon except coho Chinook only (0-3 miles)
	1999	Leadbetter Point, WA to Cape Falcon	7/19-9/30	Sun-Thurs	2	4	20	24	16	none	
1999	Cape Falcon to Humbug Mountain	4/1-7/9; 8/1-10/31	All	2	6	20	20	NA	none	Whole or plug-cut bait > 6"; attractors such as flashers and divers were prohibited except that flashers could be used with a downrigger. No more than 2 single point, single shank barbless hooks.	Open to all salmon except coho
	Twin Rocks to Pyramid Rock (0-3 miles)	7/10-11, 14-15, 18-19, 22-23, 26-27, 30-31 11/1 - 11/15	2 open 2 closed All	2	6	20	20	16	none	Barbless hooks	All coho must have a healed adipose fin clip. Chinook only (0-3 miles)
	Cape Blanco to Humbug Mt. Humbug Mt. to Horse Mt. Goat Island to 42 01' 20"N	11/1 - 12/15 5/29 - 7/4; 7/29 - 9/14 10/2 - 10/11	All All All	2 1 1	NA 4 4	20 20 4	20 20 20	NA NA NA	none none none	Barbless hooks Barbless hooks Barbless hooks	Chinook only (0-3 miles) Open to all salmon except coho Chinook only (0-3 miles)
	2000	Leadbetter Point, WA to Cape Falcon	7/10 - 9/30	Sun - Thurs	2	NA	20	24	16	none	Single-point, single-shank, barbless hooks
2000	Cape Falcon to Humbug Mountain	4/1-9/30 8/1-10/31	All Closed Mon and Fri	2 2	6 6	20 20	20 20	NA 16	none none	Bait must be no less than 6" in length (excluding hooks and swivels), but artificial lures and plugs are not restricted to size; divers are prohibited; flashers only with downriggers. No more than 2 single-point, single-shank barbless hooks. 2 single-point, barbless hooks.	All retained coho must have a healed adipose fin clip. Mondays and Fridays are closed during the selective fishery; salmon angling for any species is prohibited. The TTCZ is open during the coho fishery under the selective fishery regulations. Closed within the Klamath River Control Zone. Chinook only (0-3 miles)
	Humbug Mountain to Horse Mountain	5/27-7/6 7/29-10/10	All	1	4	20	20	NA	none	2 single-point, single-shank barbless hooks.	
	Twin Rocks to Pyramid Rock (0-3 miles)	11/1 - 11/15	All	2	4	10	20	NA	none	Artificial plugs, whole or plug-cut bait > 6"; attractors such as flashers and divers were prohibited except that flashers could be used with a downrigger. No more than 2 single point, single shank barbless hooks.	Chinook only (0-3 miles)
	Cape Blanco to Humbug Mt. Goat Island to 42 01' 20"N	11/1 - 12/15 10/7-10/15	All All	2 1	NA 4	20 4	20 20	NA NA	none none	Barbless hooks Barbless hooks	Chinook only (0-3 miles) Chinook only (0-3 miles)

Appendix Table 10 continued. Summary of Oregon's recreational ocean salmon regulations, 1946-2001.

Year	Open Area	Open Season	Open Days	Catch Limits (fishes)			Coho	Pink	Gear Restrictions	Misc Regulations
				Daily	7 Day Annual	Size Limits (inches)				
				Chin	Chin	Chin				
2001	Leadbetter Point, WA to Capo Falcon	7/1-6/3	Sun-Thurs	2	NA	NA	24	16	none	Closed between Capo Falcon and Tillamook Head beginning Aug. 1. Columbia Control Zone closed. Reelless coho must have a headed adipose fin clip. No more than 1 chinook per day. Columbia Control Zone closed. Reelless coho must have a headed adipose fin clip.
	North Head Lighthouse to Tillamook Head	9/4-9/30	All	2	NA	NA	24	16	none	Tillamook Triangular Control Zone closed 4/1-4/30, 6/1-6/21, and 7/20-8/31. All salmon except coho. Reelless coho must have a headed adipose fin clip.
	Capo Falcon to Humbug Mountain	4/1-5/21, 7/20-10/31	All	2	6	NA	20	NA	none	Annual adult limit applies to Chinook only. Annual adult limit applies to Tillamook Terminal Area and Tillamook, Nahalem, and Nestucca basins in aggregate (rivers and bays combined) from 4/1 - 7/31. Tillamook Triangular Control Zone closed 4/1-4/30 and 6/1-6/21. Chinook only.
	Humbug Mountain to Horse Mountain	6/22-7/19	All	2	6	NA	20	16	none	Annual adult limit applies to Tillamook Terminal Area and Nestucca basins in aggregate (rivers and bays combined) from 4/1 - 7/31. Chinook only. Coho allowed during the ocean selective coho fishery.
	Twin Rocks to Pyramid Rock (0.3 miles)	5/17-7/8 7/24-9/3	All	2	4 6	NA NA	20 20	NA NA	none	Annual adult limit applies to Tillamook Terminal Area and Nestucca basins in aggregate (rivers and bays combined) from 4/1 - 7/31. Chinook only. Coho allowed during the ocean selective coho fishery.
		4/1-7/31	All	2	2	10	20	NA	none	Annual adult limit applies to Tillamook Terminal Area and Nestucca basins in aggregate (rivers and bays combined) from 4/1 - 7/31. Chinook only. Coho allowed during the ocean selective coho fishery.
		8/1-11/15	All	2	4	10	20	NA	none	Annual adult limit applies to Tillamook Terminal Area and Nestucca basins in aggregate (rivers and bays combined) from 4/1 - 7/31. Chinook only. Coho allowed during the ocean selective coho fishery.
	State waters off Elk River	11/1-12/15	All	2	NA	NA	20	NA	none	Annual adult limit applies to Tillamook Terminal Area and Nestucca basins in aggregate (rivers and bays combined) from 4/1 - 12/31. Tillamook Triangular Control Zone closed 7/20-8/31. Chinook only (0-3 miles)
	State waters off Chato River	10/1-10/12	All	1	NA	4	20	NA	none	Chinook only (0-3 miles)

a/ CRZ = Columbia River Conservation Zone. This fishery management area has changed in size during a number of years, but in general has been the area off the Columbia River between North Head, Washington and the red buoy line on the Oregon side. The name was changed to Columbia River Control Zone in 1992.

b/ Gear Restrictions: Artificial plugs or whole bait, both 6" or larger. No more than 2 single shank, single point barbless hooks; no painted weights or attractors such as flashers or colored divers (uncolored divers are not considered attractors).

c/ TT CZ = Tillamook Triangular Control Zone. The northern boundary is defined as a line from the green buoy to an ODPW marker onshore at 45° 35' 00" N. lat. The southern boundary is defined as a line from the green buoy to an ODPW marker onshore at 45° 32' 50" N. lat.

Appendix Table 11. Oregon ocean recreational salmon angler effort, by port and statistical week^a for 2001. (NS = open for salmon, but no sampling)

Stat. Week	Astoria	Garibaldi	Pacific City	Depoe Bay	Newport	Florence	Winchester Bay	Coos Bay	Bandon	Port Orford	Gold Beach	Brookings	Total
13	-	0	NS	6	0	NS	NS	10	NS	NS	-	-	16
14	-	0	NS	0	0	NS	NS	4	NS	NS	-	-	4
15	-	0	NS	13	0	NS	NS	0	NS	NS	-	-	13
16	-	12	NS	14	15	NS	NS	56	NS	NS	-	-	97
17	-	0	NS	16	0	NS	NS	0	NS	NS	-	-	16
18	-	89	NS	20	4	NS	0	34	0	0	-	-	147
19	-	77	NS	0	18	NS	36	27	1	0	-	-	159
20	-	95	NS	10	21	NS	46	20	3	15	0	495	705
21	-	220	NS	12	41	NS	114	63	6	0	8	1,880	2,344
22	-	46	NS	6	43	NS	96	175	10	0	5	1,279	1,660
23	-	15	NS	0	63	NS	278	343	30	0	0	896	1,625
24	-	4	NS	14	30	NS	338	224	17	0	6	820	1,453
25	-	369	328	776	1,732	124	1,566	930	95	0	0	1,001	6,921
26	531	1,340	739	1,618	2,458	255	2,321	1,407	137	4	28	1,372	12,210
27	1,404	1,983	949	1,556	3,317	140	2,408	855	187	0	10	2,512	15,321
28	1,699	1,734	753	1,474	2,824	200	2,668	1,233	126	0	-	-	12,711
29	1,936	1,210	570	1,336	2,381	422	3,350	1,890	295	0	-	-	13,390
30	1,814	621	53	43	410	43	1,005	412	128	0	18	1,869	6,416
31	2,682	139	24	30	440	54	1,405	830	159	0	20	2,827	8,610
32	2,091	128	92	34	512	0	796	283	105	0	8	1,930	5,979
33	4,872	291	99	53	584	10	762	253	151	5	27	1,502	8,609
34	1,548	88	28	29	276	0	242	110	59	0	0	1,089	3,469
35	1,578	191	6	50	420	24	509	194	165	0	48	1,749	4,934
36	1,018	150	3	30	323	0	184	71	10	0	0	358	2,147
37	766	435	2	25	201	0	262	58	13	NS	-	4	1,766
38	376	1,579	NS	59	156	NS	96	28	NS	NS	NS	2,750	5,044
39	75	640	NS	21	63	NS	13	30	NS	NS	NS	1,590	2,432
40	-	1,755	NS	49	47	NS	NS	38	NS	NS	NS	-	1,889
41	-	32	NS	0	18	NS	NS	8	NS	NS	NS	-	58
42	-	101	NS	0	6	NS	NS	6	NS	NS	NS	-	113
43	-	163	NS	0	23	NS	NS	8	NS	NS	NS	-	194
44	-	56	NS	NS	NS	NS	NS	0	NS	NS	NS	-	56
45	-	106	NS	NS	NS	NS	NS	NS	NS	NS	NS	-	106
	22,390	13,669	3,646	7,294	16,426	1,272	18,495	9,600	1,697	24	178	25,923	120,614

^a Refer to Appendix Table 21 for 2001 statistical week calendar.

Appendix Table 12. Oregon ocean recreational effort in salmon angler trips by area and month for 1979-2001.^a

Area	April	May	June	July	August	Sept.	Oct.	Nov.	Season ^b
<u>Columbia R.</u>									
1979	-	800	5,000	14,800	19,700	2,900	-	-	43,300
1980	-	1,300	7,800	13,700	19,700	3,800	-	-	46,300
1981	-	1,000	4,900	14,100	20,100	4,600	-	-	44,700
1982	-	-	4,900	22,300	-	-	-	-	27,200
1983	-	-	2,700	12,900	11,500	3,800	-	-	30,900
1984	-	-	-	2,000	5,100	-	-	-	7,100
1985	-	-	600	7,800	11,600	-	-	-	20,000
1986	-	-	700	12,100	7,700	-	-	-	20,600
1987	-	-	600	8,500	8,000	-	-	-	17,100
1988	-	-	-	5,700	-	-	-	-	5,700
1989	-	100	1,200	9,200	9,200	-	-	-	19,800
1990	-	-	1,900	8,900	13,200	1,400	-	-	25,500
1991	-	-	1,500	9,000	9,400	1,800	-	-	21,700
1992	-	-	-	9,800	1,800	1,300	-	-	12,900
1993	-	-	-	6,000	8,200	4,300	-	-	18,500
1994	-	-	-	-	-	-	-	-	0
1995	-	-	-	2,300	7,700	1,000	-	-	10,900
1996	-	-	-	1,000	3,800	900	-	-	5,600
1997	-	-	-	2,800	800	-	-	-	3,600
1998	-	-	-	-	1,800	300	-	-	2,100
1999	-	-	-	2,100	3,700	1,700	-	-	7,400
2000	-	-	4,000	4,400	-	-	-	-	8,400
2001	-	-	500	7,500	13,000	2,200	-	-	23,200
<u>Tillamook</u>									
1979	-	900	3,200	11,800	14,500	600	-	-	31,000
1980	-	400	8,500	17,300	18,100	3,600	-	-	47,800
1981	-	1,300	2,200	11,500	16,500	6,600	-	-	38,000
1982	-	100	2,700	21,800	-	-	-	-	24,600
1983	-	-	1,200	12,600	7,800	3,700	-	-	25,300
1984	-	-	-	11,800	10,800	1,200	-	-	23,800
1985	-	-	-	13,000	21,700	2,200	1,600 ^c	-	38,600
1986	-	<50	1,900	13,000	3,100	-	-	-	17,900
1987	-	-	1,800	12,400	10,900	3,800	-	-	29,100
1988	-	300	2,100	9,600	13,800	7,400	-	-	33,300
1989	-	300	3,000	15,400	12,300	300	-	-	31,300
1990	-	100	1,200	9,900	16,300	6,000	-	-	33,500
1991	-	400	4,000	16,600	-	-	-	-	21,000
1992	-	1,200	3,400	11,700	7,100	2,800	-	-	26,100
1993	-	800	200	3,100	1,500	-	-	-	5,600
1994	-	600	900	-	-	-	8,700	<50	10,300
1995	-	600	100	-	-	1,300	1,000	800	3,800
1996	-	800	100	<50	500	3,700	3,300	-	8,300
1997	-	<50	100	200	200	1,400	1,800	-	3,700
1998	-	600	100	100	200	2,300	2,900	-	6,100
1999	<50	600	100	3,400	300	3,100	3,500	100	11,200
2000	-	400	1,000	2,900	400	3,400	3,200	200	11,500
2001	<50	500	2,800	7,300	900	2,800	2,100	200	16,500

Appendix Table 12 continued. Oregon ocean recreational effort in salmon angler trips for 1979-2001.^a

Area	April	May	June	July	August	Sept.	Oct.	Nov.	Season ^b
<u>Newport</u>									
1979	-	2,000	8,200	33,200	28,700	200	-	-	72,400
1980	-	1,800	16,700	39,000	22,600	3,800	-	-	83,900
1981	-	2,300	8,200	27,600	31,700	7,500	-	-	77,300
1982	-	200	7,300	46,000	-	-	-	-	53,500
1983	-	-	3,600	22,800	10,900	5,200	-	-	42,600
1984	-	-	-	24,000	19,200	800	-	-	44,000
1985	-	-	-	24,300	44,400	1,800	-	-	70,600
1986	-	1,400	3,900	38,900	8,000	-	-	-	52,200
1987	-	-	5,200	40,000	23,200	8,600	-	-	76,900
1988	-	1,000	7,100	37,900	34,200	9,400	-	-	89,600
1989	-	900	17,200	37,500	26,300	800	-	-	82,800
1990	-	700	5,500	32,800	28,300	4,100	-	-	71,400
1991	-	800	11,800	40,600	-	-	-	-	53,300
1992	-	1,100	7,100	27,900	14,600	2,400	-	-	53,000
1993	-	300	100	11,600	5,100	-	-	-	17,100
1994	-	100	<50	-	-	-	-	-	100
1995	-	100	200	-	-	400	100	-	900
1996	-	300	200	<50	1,800	500	-	-	2,800
1997	<50	100	200	300	1,400	300	0	-	2,400
1998	-	<50	100	300	700	200	<50	-	1,300
1999	<50	<50	100	7,100	100	<50	<50	-	7,400
2000	-	<50	1,600	10,200	900	300	100	-	13,000
2001	100	200	6,700	13,300	2,400	900	100	-	23,700
<u>Coos Bay</u>									
1979	-	4,800	21,500	42,900	25,200	300	-	-	94,700
1980	-	2,200	32,100	46,200	14,300	2,600	-	-	97,400
1981	-	6,600	13,900	35,200	22,700	5,500	-	-	83,900
1982	-	100	12,000	77,300	-	-	-	-	59,400
1983	-	-	14,200	36,900	13,600	6,900	-	-	71,600
1984	-	-	-	22,000	17,900	300	-	-	40,200
1985	-	-	-	33,100	29,200	1,200	-	-	63,500
1986	-	800	4,900	33,600	4,300	-	-	-	43,600
1987	-	-	3,900	40,600	12,800	5,200	-	-	62,500
1988	-	1,300	9,900	33,100	21,000	3,700	-	-	69,000
1989	-	800	16,200	33,900	15,600	100	-	-	66,600
1990	-	600	8,800	24,300	24,900	6,400	-	-	65,000
1991	-	1,000	17,300	39,400	-	-	-	-	57,700
1992	-	1,400	9,400	28,600	12,800	3,300	-	-	55,600
1993	-	900	300	10,100	4,000	-	-	-	15,300
1994	-	200	200	-	-	-	-	-	400
1995	-	100	500	-	-	100	<50	-	700
1996	-	200	600	600	1,900	700	-	-	3,900
1997	<50	300	500	1,300	1,500	400	0	-	3,900
1998	-	<50	<50	500	1,600	100	0	-	2,300
1999	-	<50	600	5,000	1,800	200	0	-	7,600
2000	-	100	1,700	13,300	7,200	1,200	100	<50	23,600
2001	100	600	8,100	15,400	6,100	800	100	-	31,100

Appendix Table 12 continued. Oregon ocean recreational effort in salmon angler trips for 1979-2001.^a

Area	April	May	June	July	August	Sept.	Oct.	Nov.	Season ^b
<u>Brookings</u>									
1979	-	300	4,900	27,100	18,500	3,300	5,000	900	59,900
1980	-	200	13,300	23,900	10,000	5,300	2,900	400	56,000
1981	-	2,700	16,500	23,700	19,300	2,300	2,300	300	67,100
1982	-	400	5,200	39,700	10,200	3,000	2,600	300	61,400
1983	-	800	9,800	22,700	11,200	6,100	5,000	100	55,700
1984	-	-	-	15,100	16,800	2,900	3,100	-	38,000
1985	-	4,600	-	28,500	19,300	2,600	4,000	-	59,000
1986	-	3,600	10,400	20,100	13,000	600	5,000	-	52,700
1987	-	2,300	10,000	29,000	15,200	7,100	5,900	-	69,400
1988	-	800	14,200	25,200	11,300	1,600	-	-	53,100
1989	-	3,100	15,700	26,600	16,300	4,100	-	-	65,800
1990	-	1,400	14,500	22,800	11,500	800	-	-	51,100
1991	-	1,100	11,600	17,800	1,900	4,000	-	-	36,400
1992	-	-	-	8,900	-	4,900	3,900	-	17,600
1993	-	3,700	2,700	6,500	8,100	2,800	-	-	23,800
1994	-	6,300	1,300	-	1,400	2,900	4,200	-	16,100
1995	-	2,300	6,200	0	4,400	3,000	3,400	-	19,400
1996	-	1,700	5,900	2,200	6,000	3,200	4,300	-	23,300
1997	-	2,500	3,300	2,900	5,500	1,000	1,300	-	16,700
1998	-	1,400	2,000	1,500	4,200	2,000	2,800	-	14,000
1999	-	200	900	2,500	6,600	3,300	2,300	-	15,800
2000	-	200	2,600	2,600	11,900	1,500	3,200	-	22,000
2001	-	3,700	4,100	4,400	9,200	400	4,300	-	26,100
<u>All Areas</u>									
1979	-	8,900	42,800	129,800	106,700	7,300	5,000	900	301,300
1980	-	5,900	78,400	140,000	84,700	19,100	2,900	400	331,400
1981	-	13,800	45,700	112,200	110,300	26,400	2,300	300	311,000
1982	-	700	32,100	177,100	10,200	3,000	2,600	300	226,000
1983	-	800	31,500	108,000	55,100	25,500	5,000	100	226,000
1984	-	-	-	74,900	69,800	5,300	3,100	-	153,100
1985	-	4,600	600	106,800	126,200	7,800	5,600	-	251,600
1986	-	5,700	21,900	117,700	36,000	600	5,000	-	187,000
1987	-	2,300	21,500	130,500	70,200	24,700	5,900	-	255,100
1988	-	3,500	33,200	111,500	80,400	22,100	-	-	250,700
1989	-	5,300	53,400	122,600	79,700	5,300	-	-	266,300
1990	-	2,800	32,000	98,700	94,300	18,800	-	-	246,600
1991	-	3,400	46,200	123,400	11,300	5,800	-	-	190,100
1992	-	3,700	19,900	86,900	36,300	14,700	3,900	-	165,300
1993	-	5,800	3,300	37,300	26,900	7,100	-	-	80,300
1994	-	7,200	2,400	-	1,400	2,900	13,300	-	27,300
1995	-	3,200	7,100	2,300	12,100	5,900	4,600	800	35,900
1996	-	3,000	6,800	3,800	13,900	8,900	7,500	-	44,000
1997	<50	2,900	4,000	7,400	9,500	3,100	3,100	0	30,100
1998	-	2,100	2,200	2,400	8,500	4,800	5,700	0	25,700
1999	<50	800	1,700	20,200	12,400	8,400	5,800	100	49,400
2000	-	700	6,900	33,000	24,900	6,300	6,500	200	78,600
2001	100	5,000	22,200	47,800	31,600	7,000	6,600	200	120,600

a Columbia River area includes Astoria, Warrenton, and Hammond; Tillamook area includes Garibaldi and Pacific City; Newport area includes Depoe Bay and Newport; Coos Bay area includes Florence, Winchester Bay, and Coos Bay; Brookings area includes Gold Beach and Brookings.

b By area and calendar month. Season totals may vary from summarized months due to rounding.

c Only 600 were ocean only trips. Most were combination bay-ocean trips.

Appendix Table 13. Summary of Oregon recreational ocean salmon effort and catch by area, 1976-2001.

Year	Area ^a					Total
	Columbia R.	Tillamook	Newport	Coos Bay	Brookings	
Effort (Salmon Angler Trips)^b						
1976	100,900	56,500	132,200	154,600	94,200	538,400
1977	60,500	57,500	92,200	113,000	81,200	404,500
1978	63,400	31,700	115,600	104,400	88,600	403,700
1979	43,300	31,000	72,400	94,700	59,900	301,300
1980	46,300	47,800	83,900	97,400	56,000	331,400
1981	44,700	38,000	77,300	83,900	67,100	311,000
1982	27,200	24,600	53,500	59,400	61,300	226,000
1983	30,900	25,300	42,600	71,600	55,700	226,000
1984	7,100	23,800	44,000	40,200	38,000	153,100
1985	20,200	38,500	70,600	63,500	59,000	251,600
1986	20,600	17,900	52,200	43,600	52,700	187,000
1987	17,100	29,100	76,900	62,500	69,400	255,100
1988	5,700	33,300	89,600	69,000	53,100	250,700
1989	19,800	31,300	82,800	66,600	65,800	266,300
1990	25,500	33,500	71,400	65,000	51,100	246,600
1991	21,700	21,000	53,300	57,700	36,400	190,100
1992	12,900	26,100	53,000	55,600	17,600	165,300
1993	18,500	5,600	17,100	15,300	23,800	80,300
1994	0	1,030	100	400	16,200	27,900
1995	10,900	3,800	900	700	19,400	35,900
1996	5,600	8,300	2,800	3,900	23,300	44,000
1997	3,600	3,700	2,400	3,900	16,400	30,100
1998	2,100	6,100	1,300	2,300	14,000	25,700
1999	7,400	11,200	7,400	7,600	15,800	49,400
2000	8,400	11,500	13,000	23,600	22,000	78,600
2001	23,200	16,500	23,700	31,100	26,100	120,600
Chinook						
1976	44,600	2,300	4,600	14,600	13,200	79,300
1977	22,600	1,500	2,600	22,700	11,800	61,400
1978	7,900	800	2,100	4,800	7,300	22,800
1979	7,500	1,000	1,400	4,500	6,400	20,900
1980	5,500	1,600	1,800	5,300	4,800	19,000
1981	11,500	1,900	2,400	4,500	8,900	29,200
1982	8,200	1,400	3,500	10,100	15,500	38,700
1983	3,400	700	1,600	6,600	12,400	24,700
1984	100	1,100	2,000	4,900	9,000	17,000
1985	3,600	2,600	4,100	9,500	36,100	55,900
1986	1,900	500	2,300	6,100	12,000	22,800
1987	4,100	3,500	6,400	19,000	26,400	59,400
1988	1,500	2,700	5,300	8,100	21,700	38,300
1989	1,500	1,900	1,800	6,700	21,200	32,000
1990	3,300	1,200	2,700	6,600	12,700	26,500
1991	1,000	700	900	5,100	6,800	14,400
1992	500	1,500	4,100	3,800	2,700	12,600
1993	900	300	400	1,100	3,800	6,500
1994	0	2,400	<50	<50	3,600	6,000
1995	100	500	100	200	5,700	6,700
1996	<50	1,600	600	800	8,200	11,200
1997	200	500	1,300	700	5,100	7,700
1998	100	1,100	400	500	1,900	4,000
1999	900	1,600	300	1,400	3,400	7,700
2000	800	1,200	1,600	10,100	11,800	25,500
2001	2,600	2,500	5,300	9,500	7,200	27,200
Coho						
1976	116,700	50,000	118,100	164,800	51,800	501,300
1977	55,300	15,600	34,000	76,300	14,000	195,300
1978	60,200	8,500	61,200	82,800	47,100	259,800
1979	38,000	9,400	36,300	79,000	18,200	180,800
1980	55,600	28,900	72,400	135,900	33,000	325,800
1981	54,300	17,700	61,900	57,600	8,300	199,800
1982	35,500	23,100	44,000	55,600	16,900	175,100
1983	37,200	8,800	21,800	62,700	16,300	146,900
1984	10,900	20,300	41,200	39,400	11,500	123,300
1985	31,000	31,000	61,800	51,200	7,400	182,400
1986	39,100	24,300	80,400	63,200	12,000	218,900
1987	25,600	16,400	65,300	54,100	19,000	180,500
1988	9,800	29,900	100,800	71,200	15,000	226,900
1989	34,300	30,300	102,500	73,100	33,000	273,300
1990	36,100	22,900	64,100	62,200	15,300	200,600
1991	39,400	25,600	81,100	90,800	22,200	259,100
1992	22,300	20,800	63,500	76,000	3,300	185,800
1993	22,300	2,300	16,400	12,200	6,000	59,300
1994	0	<50 ^c	0	0	<50 ^c	<50 ^c
1995	11,800	<50 ^c	<50 ^c	0	100 ^c	11,900
1996	7,000	<50 ^c	<50 ^c	<50 ^c	100 ^c	7,200
1997	5,800	<50 ^c	<50 ^c	<50 ^c	100 ^c	6,000
1998	2,100	<50 ^c	<50 ^c	100 ^c	<50 ^c	2,300
1999	7,600	1,000	4,000	1,100	<50 ^c	13,600
2000	13,700	2,000	12,300	5,100	100 ^c	33,200
2001	39,200	12,300	23,500	19,300	100 ^c	94,300

^a Columbia River area includes Astoria, Warrenton, and Hammond; Tillamook area includes Garibaldi and Pacific City; Newport area includes Depoe Bay and Newport; Coos Bay area includes Florence, Winchester Bay, Coos Bay and Bandon; Brookings area includes Port Orford, Gold Beach and Brookings.

^b 1976-1978 effort includes a small number of bottomfishing trips.

^c Represents illegal coho landings.

Appendix Table 14. Oregon ocean recreational chinook catch (number of fish) by catch area and month, 1979-2001.

Area ^a	Chinook								Season ^b
	April	May	June	July	August	Sept.	Oct.	Nov.	
<u>Columbia River</u>									
1979	-	600	1,600	2,100	3,100	100	-	-	7,500
1980	-	100	1,200	1,400	2,500	400	-	-	5,500
1981	-	<50	400	3,200	6,700	1,200	-	-	11,500
1982	-	-	2,200	6,000	-	-	-	-	8,200
1983	-	-	1,000	1,600	500	200	-	-	3,400
1984	-	-	-	-	-	-	-	-	-
1985	-	-	100	1,300	2,200	-	-	-	3,600
1986	-	-	100	1,200	700	-	-	-	1,900
1987	-	-	200	2,000	1,900	-	-	-	4,100
1988	-	-	-	500	-	-	-	-	500
1989	-	<50	200	200	1,100	-	-	-	1,500
1990	-	-	100	900	2,200	100	-	-	3,300
1991	-	-	100	300	500	<50	-	-	1,000
1992	-	-	-	300	200	<50	-	-	500
1993	-	-	-	300	400	200	-	-	900
1994	-	-	-	-	-	-	-	-	0
1995	-	-	-	<50	100	<50	-	-	100
1996	-	-	-	<50	<50	<50	-	-	<50
1997	-	-	-	100	100	-	-	-	200
1998	-	-	-	-	100	<50	-	-	100
1999	-	-	-	200	600	100	-	-	900
2000	-	-	-	400	300	-	-	-	800
2001	-	-	100	900	1,500	100	-	-	2,600
<u>Tillamook^e</u>									
1979	-	<50	<50	600	300	<50	-	-	1,000 ^c
1980	-	<50	200	300	800	200	-	-	1,600 ^c
1981	-	<50	<50	600	900	400	-	-	1,900 ^c
1982	-	-	100	1,300	-	-	-	-	1,400
1983	-	-	100	400	200	100	-	-	700
1984	-	-	-	600	500	100	-	-	1,100
1985	-	-	-	1,100	1,400	100	100	-	2,600
1986	-	0	<50	200	200	-	-	-	500
1987	-	-	100	800	2,000	600	-	-	3,500
1988	-	<50	100	300	1,300	1,000	-	-	2,700
1989	-	<50	100	300	400	<50	-	-	900
1990	-	0	100	500	400	300	100	-	1,200
1991	-	<50	300	400	-	-	-	-	700
1992	-	100	300	600	300	200	-	-	1,500
1993	-	100	<50	200	<50	-	-	-	300
1994	-	100	100	-	-	-	2,200	0	2,400
1995	-	100	<50	-	-	100	300	100	500
1996	-	100	<50	<50	100	700	700	-	1,600
1997	-	0	<50	<50	<50	200	300	-	500
1998	-	100	<50	<50	<50	500	500	-	1,100
1999	0	100	<50	200	<50	700	500	<50	1,600
2000	0	<50	100	100	<50	500	400	100	1,200
2001	0	100	200	700	200	800	400	<50	2,500

Appendix Table 14 continued. Oregon ocean recreational chinook catch (number of fish), 1979-2001.

Area ^a	Chinook								Season ^b
	April	May	June	July	August	Sept.	Oct.	Nov.	
<u>Newport</u>									
1979	-	200	300	500	400	<50	-	-	1,400 ^d
1980	-	100	600	600	400	200	-	-	1,800 ^d
1981	-	<50	100	1,100	1,000	200	-	-	2,400 ^d
1982	-	-	600	2,900	-	-	-	-	3,500
1983	-	-	400	800	300	200	-	-	1,600
1984	-	-	-	1,100	900	100	-	-	2,000
1985	-	-	-	1,400	2,600	100	-	-	4,100
1986	-	100	100	1,900	100	-	-	-	2,300
1987	-	-	200	2,400	2,100	1,700	-	-	6,400
1988	-	100	800	2,200	1,700	500	-	-	5,300
1989	-	100	700	500	400	<50	-	-	1,800
1990	-	<50	300	1,400	800	200	-	-	2,700
1991	-	100	400	400	-	-	-	-	900
1992	-	100	300	2,800	900	100	-	-	4,100
1993	-	<50	0	300	100	-	-	-	400
1994	-	<50	0	-	-	-	-	-	<50
1995	-	<50	<50	<50	-	<50	<50	-	100
1996	-	<50	<50	<50	400	100	-	-	600
1997	0	<50	100	200	900	100	0	-	1,300
1998	-	<50	100	100	100	<50	<50	-	400
1999	0	<50	<50	300	<50	<50	<50	-	300
2000	0	<50	100	700	500	300	<50	-	1,600
2001	<50	100	400	1,500	2,300	900	200	-	5,300
<u>Coos Bay</u>									
1979	-	200	2,400	1,500	500	<50	-	-	4,500
1980	-	<50	1,400	2,700	700	200	-	-	5,300
1981	-	100	400	2,300	1,300	300	-	-	4,500
1982	-	<50	1,000	9,100	-	-	-	-	10,100
1983	-	-	1,300	2,400	1,100	1,700	-	-	6,600
1984	-	-	-	2,200	2,600	100	-	-	4,900
1985	-	-	-	4,400	4,900	100	-	-	9,500
1986	-	<50	1,000	4,500	500	-	-	-	6,100
1987	-	-	900	10,700	4,600	2,800	-	-	19,000
1988	-	200	1,700	2,800	3,100	200	-	-	8,100
1989	-	100	1,800	4,300	600	<50	-	-	6,700
1990	-	<50	600	2,800	2,300	800	-	-	6,600
1991	-	<50	2,100	2,900	-	-	-	-	5,100
1992	-	100	2,000	1,000	300	400	-	-	3,800
1993	-	100	<50	600	400	-	-	-	1,100
1994	-	<50	<50	-	-	-	-	-	<50
1995	-	<50	200	-	-	<50	<50	-	200
1996	-	<50	100	300	300	100	-	-	800
1997	<50	<50	100	200	300	100	0	-	700
1998	-	-	<50	100	300	<50	0	-	500
1999	0	<50	200	900	400	<50	0	-	1,400
2000	0	<50	400	6,600	2,600	500	<50	-	10,100
2001	<50	100	1,400	5,500	2,200	300	<50	-	9,500

Appendix Table 14 continued. Oregon ocean recreational chinook catch (number of fish), 1979-2001.

Area ^a	Chinook								Season ^b
	April	May	June	July	August	Sept.	Oct.	Nov.	
<u>Brookings</u>									
1979	-	<50	300	2,100	3,400	<50	600	100	6,400
1980	-	<50	1,300	1,700	1,000	400	300	100	4,800
1981	-	500	2,200	3,200	2,600	100	300	<50	8,900
1982	-	<50	800	12,700	1,500	200	200	<50	15,500
1983	-	500	3,400	4,900	1,500	1,000	1,000	<50	12,400
1984	-	-	-	1,900	5,600	1,100	400	-	9,000
1985	-	2,500	-	23,000	9,700	400	600	-	36,100
1986	-	1,100	2,800	3,500	3,900	<50	600	-	12,000
1987	-	100	3,800	9,800	5,600	5,900	1,100	-	26,400
1988	-	100	12,400	6,500	2,600	100	-	-	21,700
1989	-	400	3,600	9,400	6,800	1,000	-	-	21,200
1990	-	400	4,600	6,500	1,200	<50	-	-	12,700
1991	-	<50	4,100	2,300	100	300	-	-	6,800
1992	-	-	-	1,500	-	400	700	-	2,700
1993	-	1,100	200	600	1,300	500	-	-	3,800
1994	-	1,900	100	-	300	300	1,100	-	3,600
1995	-	200	1,600	0	2,300	800	800	-	5,700
1996	-	500	2,700	300	2,800	600	1,300	-	8,200
1997	-	800	800	1,000	1,600	100	700	-	5,100
1998	0	200	300	300	400	200	400	-	1,900
1999	0	<50	<50	900	1,700	500	300	-	3,400
2000	0	<50	400	2,100	8,000	500	800	-	11,800
2001	0	800	1,000	1,200	3,000	300	900	-	7,200
<u>All Areas</u>									
1979	-	1,000	4,600	6,700	7,700	200	600	100	20,900
1980	-	300	4,700	6,900	5,400	1,300	300	100	19,000
1981	-	700	3,100	10,300	12,500	2,200	300	<50	29,200
1982	-	<50	4,700	31,900	1,500	200	200	<50	38,700
1983	-	500	6,100	10,100	3,600	3,300	1,000	-	24,700
1984	-	-	-	5,800	9,600	1,200	400	-	17,000
1985	-	2,500	100	31,400	20,800	600	600	-	55,900
1986	-	1,200	4,100	11,400	5,400	<50	600	-	22,800
1987	-	100	5,300	25,800	16,100	11,000	1,100	-	59,400
1988	-	400	15,000	12,400	8,700	1,900	-	-	38,300
1989	-	600	6,400	14,700	9,300	1,100	-	-	32,000
1990	-	400	5,700	12,100	6,900	1,400	100	-	26,500
1991	-	200	7,000	6,300	600	300	-	-	14,400
1992	-	200	2,500	6,200	1,700	1,200	700	-	12,600
1993	-	1,300	200	1,900	2,300	700	-	-	6,400
1994	-	1,900	300	-	300	300	3,300	-	6,000
1995	-	300	1,800	<50	2,400	1,000	1,100	100	6,700
1996	-	700	2,900	600	3,500	1,500	2,000	-	11,200
1997	<50	900	900	1,600	2,800	500	1,000	0	7,700
1998	0	300	400	600	1,000	800	900	-	4,000
1999	0	100	300	2,400	2,700	1,300	900	-	7,700
2000	0	100	1,000	9,900	11,400	1,800	1,200	100	25,500
2001	<50	1,000	3,200	9,900	9,200	2,400	1,500	<50	27,200

^a Columbia River area includes Astoria, Warrenton, and Hammond; Tillamook area includes Garibaldi and Pacific City; Newport area includes Depoe Bay and Newport; Coos Bay area includes Florence, Winchester Bay, Coos Bay and Bandon; Brookings area includes Gold Beach and Brookings from 1979 through 1987.

^b Individual monthly catches may not equal season total due to rounding. Season totals for individual catch areas for 1974-75 data may not equal the sum of combined months due to some effort/landings not identified by port of landing. *All Areas* summary includes unidentified data.

^c Includes Nehalem Bay.

^d Includes Salmon and Siletz Rivers and Alsea Bay.

^e Catch estimates for the fall state waters fishery off the mouth of Tillamook Bay, are not included for 1983, 1984, 1986-89, or 1991-93.

Appendix Table 15. Oregon ocean recreational chinook catch, by port and statistical week^a for 2001. (NS = open for salmon, but no sampling)

Stat. Week	Astoria	Garibaldi	Pacific City	Depoe Bay	Newport	Florence	Winchester Bay	Coos Bay	Bandon	Port Orford	Gold Beach	Brookings	Total
13	-	0	NS	0	0	NS	NS	2	NS	NS	-	-	2
14	-	0	NS	0	0	NS	NS	0	NS	NS	-	-	0
15	-	0	NS	2	0	NS	NS	0	NS	NS	-	-	2
16	-	0	NS	3	0	NS	NS	10	NS	NS	-	-	13
17	-	0	NS	0	0	NS	NS	0	NS	NS	-	-	0
18	-	2	NS	3	0	NS	0	0	NS	NS	-	-	5
19	-	13	NS	1	15	NS	6	8	0	NS	-	-	43
20	-	9	NS	0	10	NS	0	1	0	NS	0	28	48
21	-	29	NS	0	11	NS	6	7	0	NS	2	597	652
22	-	17	NS	2	28	NS	22	20	7	0	0	180	276
23	-	0	NS	0	22	NS	158	126	25	0	0	120	451
24	-	0	NS	20	9	NS	57	45	1	0	0	84	216
25	-	35	21	19	124	3	294	76	52	0	0	241	865
26	142	96	83	54	114	18	332	200	53	1	3	548	1,644
27	246	90	76	59	179	8	495	74	78	0	0	812	2,117
28	134	186	79	37	158	21	814	165	18	0	-	-	1,612
29	162	145	91	41	303	26	2,358	615	276	0	-	-	4,017
30	181	153	40	29	735	13	258	168	161	0	0	401	2,139
31	364	22	6	24	793	19	447	190	218	0	0	770	2,853
32	264	69	26	40	412	0	299	51	65	0	0	667	1,893
33	503	72	30	29	399	1	66	37	123	1	0	288	1,549
34	149	9	0	46	200	0	26	43	107	0	0	248	828
35	175	25	3	45	336	0	259	24	187	0	5	1,044	2,103
36	60	18	NS	44	253	0	0	15	0	0	0	314	704
37	30	122	NS	25	168	0	177	6	6	NS	-	-	534
38	38	522	NS	112	160	NS	66	4	NS	NS	NS	-	902
39	11	168	NS	36	60	NS	7	0	NS	NS	NS	-	282
40	-	381	NS	89	28	NS	NS	3	NS	NS	NS	564	1,065
41	-	0	NS	0	0	NS	NS	0	NS	NS	NS	292	292
42	-	13	NS	0	12	NS	NS	0	NS	NS	NS	-	25
43	-	37	NS	0	31	NS	NS	0	NS	NS	NS	-	68
44	-	7	NS	NS	NS	NS	NS	0	NS	NS	NS	-	7
45	-	16	NS	NS	NS	NS	NS	NS	NS	NS	NS	-	16
Total	2,459	2,256	455	760	4,560	109	6,147	1,890	1,377	2	10	7,198	27,223

^a Refer to Appendix Table 21 for 2001 statistical week calendar.

Appendix Table 16. Oregon ocean recreational coho catch (number of fish) by catch area and month, 1979-2001.

Area ^a	Coho						Season ^b
	May	June	July	August	Sept.	Oct.	
<u>Columbia R.</u>							
1979	400	6,500	13,300	16,300	1,500	-	38,000
1980	1,800	17,300	19,800	15,600	1,200	-	55,600
1981	1,700	8,300	18,100	20,200	6,000	-	54,300
1982	-	5,300	30,200	-	-	-	35,500
1983	-	3,600	18,900	9,700	5,100	-	37,200
1984	-	-	3,600	7,300	-	-	10,900
1985	-	700	11,600	18,800	-	-	31,000
1986	-	1,700	23,300	14,100	-	-	39,100
1987	-	900	12,500	12,300	-	-	25,600
1988	-	-	9,800	-	-	-	9,800
1989	-	1,600	17,500	15,200	-	-	34,300
1990	-	3,500	14,700	16,600	1,300	-	36,100
1991	-	2,400	16,400	17,200	3,400	-	39,400
1992	-	-	17,900	3,000	1,400	-	22,300
1993	-	-	7,600	10,900	3,800	-	22,300
1994	-	-	-	-	-	-	0
1995	-	-	2,000	9,000	800	-	11,800
1996	-	-	1,400	4,700	900	-	7,000
1997	-	-	4,500	1,400	-	-	5,800
1998	-	-	-	2,000	200	-	2,100
1999	-	-	2,500	3,400	1,700	-	7,600
2000	-	-	6,700	7,000	-	-	13,700
2001	-	900	12,700	22,000	3,700	-	39,200
<u>Tillamook</u>							
1979	100	1,100	2,600	5,600	<50	-	9,400 ^c
1980	100	7,100	10,800	10,300	600	-	28,900 ^c
1981	300	1,000	5,600	9,600	1,300	-	17,700
1982	-	1,300	21,800	-	-	-	23,100
1983	-	200	6,100	1,600	900	-	8,800
1984	-	-	9,300	10,600	500	-	20,300
1985	-	-	8,900	21,700	400	-	31,000
1986	0	3,400	15,800	5,100	-	-	24,300
1987	-	600	10,200	4,900	700	-	16,400
1988	100	1,800	8,200	14,200	5,700	-	29,900
1989	<50	3,400	19,700	7,000	100	-	30,100
1990	0	900	8,800	12,400	800	-	22,900
1991	<50	2,500	23,100	-	-	-	25,600
1992	100	1,800	11,300	6,100	1,400	-	20,800
1993	<50	<50	900	1,400	-	-	2,300
1994	-	-	-	-	-	<50 ^e	<50 ^e
1995	-	-	-	-	<50 ^e	-	<50 ^e
1996	-	-	-	<50 ^e	<50 ^e	<50 ^e	<50 ^e
1997	-	-	<50 ^e	-	<50 ^e	-	<50 ^e
1998	-	-	<50 ^e	<50 ^e	<50 ^e	<50 ^e	<50 ^e
1999	-	-	1,000	<50 ^e	<50 ^e	<50 ^e	1,000
2000	-	-	2,000	<50 ^e	<50 ^e	-	2,000
2001	-	3,400	8,800	<50 ^e	100 ^e	<50 ^e	12,300

Appendix Table 16 (cont.) Oregon ocean recreational coho catch (number of fish).

Area ^a	Coho						Season ^b
	May	June	July	August	Sept.	Oct.	
<u>Newport</u>							
1979	200	3,700	18,700	13,600	<50	-	36,300 ^d
1980	200	18,500	41,500	10,800	1,400	-	72,400 ^d
1981	400	6,300	20,700	30,500	4,000	-	61,900
1982	-	3,600	40,500	-	-	-	44,000
1983	-	600	13,500	4,300	3,500	-	21,800
1984	-	-	24,700	16,400	100	-	41,200
1985	-	-	14,900	45,600	1,400	-	61,800
1986	1,500	7,600	57,400	13,900	-	-	80,400
1987	-	1,300	43,100	14,500	6,300	-	65,300
1988	200	6,400	45,800	42,800	5,600	-	100,800
1989	800	24,200	47,400	29,600	600	-	102,500
1990	200	5,800	37,900	19,000	1,200	-	64,100
1991	100	15,200	65,800	-	-	-	81,100
1992	<50	9,700	34,700	16,900	2,200	-	63,500
1993	<50	<50	9,400	7,000	-	-	16,400
1994	-	-	-	-	-	-	0
1995	-	-	-	-	<50 ^e	-	<50 ^e
1996	-	-	-	<50 ^e	<50 ^e	-	<50 ^e
1997	-	-	-	<50 ^e	-	-	<50 ^e
1998	-	-	<50 ^e	-	-	-	<50 ^e
1999	-	-	4,000	-	-	-	4,000
2000	-	-	12,300	<50 ^e	<50 ^e	-	12,300
2001	<50 ^e	7,800	15,600	<50 ^e	<50 ^e	-	23,500
<u>Coos Bay</u>							
1979	4,900	22,700	16,700	14,600	<50	-	79,000
1980	3,800	53,600	70,600	7,100	800	-	135,900
1981	6,300	8,100	25,100	16,500	1,700	-	57,600
1982	-	12,200	43,400	-	-	-	55,600
1983	-	20,700	28,300	9,200	4,500	-	62,700
1984	-	-	19,600	19,700	100	-	39,400
1985	-	-	30,900	19,700	500	-	51,200
1986	1,100	8,000	48,000	6,100	-	-	63,200
1987	-	1,000	44,600	6,400	2,100	-	54,100
1988	100	10,700	42,200	17,200	1,000	-	71,200
1989	700	22,300	38,500	11,600	<50	-	73,100
1990	<50	12,400	23,500	23,200	3,100	-	62,200
1991	800	23,400	66,500	-	-	-	90,800
1992	500	13,100	43,800	15,800	2,700	-	76,000
1993	100	100	7,600	4,400	-	-	12,200
1994	-	-	-	-	-	-	0
1995	-	-	-	-	-	-	0
1996	-	-	-	<50 ^e	<50 ^e	-	<50 ^e
1997	-	-	<50 ^e	<50 ^e	-	-	<50 ^e
1998	-	-	<50 ^e	<50 ^e	-	-	100 ^e
1999	-	-	1,100	-	-	-	1,100
2000	-	-	5,100	<50 ^e	-	-	5,100
2001	<50 ^e	6,500	12,700	200 ^e	<50 ^e	-	19,300

Appendix Table 16 (cont.) Oregon ocean recreational coho catch (number of fish).

Area ^a	Coho						Season ^b
	May	June	July	August	Sept.	Oct.	
<u>Brookings</u>							
1979	<50	1,600	14,500	2,100	-	-	18,200
1980	100	17,700	13,400	1,400	500	-	33,000
1981	500	2,600	1,400	3,800	100	-	8,300
1982	<50	1,700	15,200	-	-	-	16,900
1983	500	4,900	8,900	1,600	500	-	16,300
1984	-	-	7,400	4,000	200	-	11,500
1985	<50	-	4,900	2,500	<50	-	7,400
1986	1,500	2,600	5,700	2,100	0	<50	12,000
1987	<50	500	14,000	3,100	1,400	<50	19,000
1988	<50	1,000	12,100	1,800	100	-	15,000
1989	200	4,200	20,300	7,500	800	-	33,000
1990	100	8,400	5,000	1,800	<50	-	15,300
1991	-	10,200	10,600	500	900	-	22,200
1992	-	-	2,800	-	400	-	3,300
1993	100	100	1,900	3,400	500	-	6,000
1994	-	-	-	<50 ^e	<50 ^e	-	<50 ^e
1995	-	<50 ^e	-	100 ^e	<50 ^e	<50 ^e	100 ^e
1996	-	<50 ^e	<50 ^e	<50 ^e	<50 ^e	<50 ^e	100 ^e
1997	<50 ^e	<50 ^e	<50 ^e	<50 ^e	<50 ^e	-	100 ^e
1998	-	<50 ^e	<50 ^e	<50 ^e	-	<50 ^e	<50 ^e
1999	-	<50 ^e	<50 ^e	<50 ^e	<50 ^e	-	<50 ^e
2000	-	-	<50 ^e	<50 ^e	-	-	<50 ^e
2001	-	<50 ^e	<50 ^e	<50 ^e	-	<50 ^e	100 ^e
<u>All Areas</u>							
1979	5,700	35,600	85,800	52,200	1,600	-	180,900
1980	6,000	114,200	156,100	45,100	4,400	-	325,800
1981	9,200	26,300	70,800	80,600	12,900	-	199,800
1982	<50	24,100	151,000	-	-	-	175,100
1983	500	30,000	75,600	26,400	14,400	-	146,900
1984	-	-	64,600	57,900	900	-	123,300
1985	<50	700	71,100	108,200	2,300	-	182,400
1986	4,100	23,300	150,100	41,300	-	<50	218,900
1987	<50	4,300	124,400	41,200	10,500	<50	180,500
1988	300	20,000	118,200	76,100	12,300	-	226,900
1989	1,600	55,900	143,400	70,900	1,500	-	273,300
1990	300	31,000	89,800	73,000	6,500	-	200,600
1991	900	53,800	182,400	17,700	4,300	-	259,100
1992	600	24,700	110,600	41,700	8,200	-	185,800
1993	200	200	27,500	27,100	4,300	-	59,300
1994	-	-	-	<50 ^e	<50 ^e	<50 ^e	<50 ^e
1995	-	<50 ^e	2,000	9,100	800	<50 ^e	11,900
1996	-	<50 ^e	1,500	4,700	1,000	<50 ^e	7,200
1997	<50 ^e	<50 ^e	4,500	1,500	<50 ^e	-	6,000
1998	-	<50 ^e	<50 ^e	2,100	200	<50 ^e	2,300
1999	-	<50 ^e	8,500	3,400	1,700	<50 ^e	13,600
2000	-	-	26,100	7,100	<50 ^e	<50 ^e	33,200
2001	<50 ^e	18,500	49,800	22,200	3,700	<50 ^e	94,300

^a Columbia River area includes Astoria, Warrenton, and Hammond; Tillamook area includes Garibaldi and Pacific City; Newport area includes Depoe Bay and Newport; Coos Bay area includes Florence, Winchester Bay, and Coos Bay; Brookings area includes Gold Beach and Brookings.

^b Individual monthly catches may not equal season total due to rounding. Season totals for individual catch areas for 1974-1975 data may not equal the sum of combined months due to some effort/landings not identified by port of landing. "All Areas" summary includes unidentified data.

^c Includes Nehalem Bay.

^d Includes Salmon and Siletz Rivers, and Alsea Bay.

^e Illegal coho landings during closed season.

Appendix Table 17. Oregon ocean recreational coho catch, by port and statistical week^a for 2001. (NS = open for salmon, but no sampling)

Stat. Week	Astoria	Garibaldi	Pacific City	Depoe Bay	Newport	Florence	Winchester Bay	Coos Bay	Bandon	Port Orford	Gold Beach	Brookings	Total
14	-	0	NS	0	0	NS	NS	0	NS	NS	-	-	0
15	-	0	NS	0	0	NS	NS	0	NS	NS	-	-	0
16	-	0	NS	0	0	NS	NS	0	NS	NS	-	-	0
17	-	0	NS	0	0	NS	NS	0	NS	NS	-	-	0
18	-	0	NS	0	0	NS	0	0	NS	NS	-	-	0
19	-	0	NS	0	2 ^b	NS	0	0	0	NS	-	-	2
20	-	0	NS	0	0	NS	0	2 ^b	0	NS	0	0	2
21	-	0	NS	0	0	NS	12 ^b	3 ^b	0	NS	0	0	15
22	-	0	NS	0	0	NS	0	2 ^b	0	0	0	0	2
23	-	0	NS	0	2 ^b	NS	2 ^b	12 ^b	2 ^b	0	0	0	18
24	-	0	0	0	0	NS	5 ^b	0	0	0	0	0	5
25	-	436	500	1,059	2,012	41	1,409	553	54	0	0	0	6,064
26	859	1,411	1,005	1,825	2,951	161	2,648	1,435	148	0	0	16 ^b	12,459
27	2,366	1,932	1,357	992	2,902	101	1,829	840	231	0	0	7 ^b	12,557
28	2,790	2,399	1,176	2,163	3,833	150	2,873	1,503	154	0	-	-	17,041
29	3,393	1,430	686	2,212	3,538	556	2,636	1,584	197	0	-	-	16,232
30	3,253	660 ^b	0	0	5 ^b	3 ^b	19 ^b	0	15 ^b	0	0	4 ^b	3,959
31	4,555	123 ^b	0	0	1 ^b	1 ^b	18 ^b	35 ^b	0	0	0	3 ^b	4,736
32	3,570	58 ^b	0	0	4 ^b	0	27 ^b	0	2 ^b	0	0	10 ^b	3,671
33	8,419	96 ^b	0	0	0	0	12 ^b	10 ^b	0	0	0	0	8,537
34	2,388	23 ^b	0	0	6 ^b	0	20 ^b	8 ^b	0	0	0	6 ^b	2,451
35	2,730	60 ^b	0	0	3 ^b	0	13 ^b	6 ^b	0	0	0	10 ^b	2,822
36	1,773	38 ^b	NS	0	0	0	0	0	0	0	0	0	1,811
37	1,296	0	NS	0	0	0	0	0	0	NS	-	-	1,296
38	421	25 ^b	NS	0	0	NS	0	0	NS	NS	NS	-	446
39	122	52 ^b	NS	0	0	NS	4 ^b	0	NS	NS	NS	-	178
40	-	21 ^b	NS	0	0	NS	NS	0	NS	NS	NS	4 ^b	25
41	-	0	NS	0	0	NS	NS	0	NS	NS	NS	9 ^b	9
42	-	1 ^b	NS	0	0	NS	NS	0	NS	NS	NS	-	1
43	-	0	NS	0	0	NS	NS	0	NS	NS	NS	-	0
44	-	0	NS	NS	NS	NS	NS	0	NS	NS	NS	-	0
Total	37,935	8,765	4,724	8,251	15,259	1,013	11,527	5,993	803	0	0	69	94,339

^a Refer to Appendix Table 21 for 2001 statistical week calendar.

^b Illegal landings.

Appendix Table 18. Number of Oregon charter boats active by port^a and year, 1988 - 2001^b.

Port	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Astoria	48	42	41	34	30	24	NA	30	25	16	14	14	11	18
Nehalem									1	1	1	1	0	0
Garibaldi	24	20	18	17	17	13	15	15	14	13	15	15	13	16
Pacific City	3	3	0	0	0	0	0	0	0	1	1	1	2	2
Depoe Bay	24	24	24	23	23	21	20	20	20	22	20	22	25	22
Newport	32	31	33	30	33	30	33	20	28	20	19	19	21	23
Florence	1	1	1	2	1	1	1	0	0	0	0	0	0	0
Winchester Bay	10	8	9	8	8	6	2	0	0	0	1	2	8	7
Coos Bay	5	5	5	4	4	4	4	2	5	4	2	2	8	7
Bandon									2	2	2	2	2	3
Gold Beach	2	1	1	1	1	1	3	3	0	2	4	2	2	4
Brookings	9	7	9	10	6	4	4	3	4	5	7	8	8	9
Total	158	142	141	129	123	104	82	93	99	86	86	88	100	111

^a Some vessels operated in more than one port and are, therefore, included more than once on the table.

^b Not all vessels fished for salmon.

Appendix Table 19. Oregon ocean recreational salmon effort and catch by boat type, 1981-2001^a and 1981-2000 average.

Year	Angler Trips		Chinook Catch		Coho Catch	
	Charter	Private	Charter	Private	Charter	Private
1981	65,400	245,800	6,600	22,500	64,500	135,300
1982	43,300	182,700	8,200	30,600	48,500	126,700
1983	41,900	184,100	4,700	20,000	39,700	107,200
1984	24,300	128,700	2,200	14,800	27,300	96,100
1985	53,400	198,200	9,200	46,600	60,200	122,800
1986	43,700	143,300	4,200	18,700	75,000	143,900
1987	60,900	194,200	14,300	45,100	61,900	118,700
1988	62,500	188,200	7,300	31,000	73,500	153,300
1989	60,200	206,100	4,200	27,900	85,800	187,500
1990	55,300	191,200	5,100	21,500	61,600	139,100
1991	40,300	149,700	1,900	12,500	68,900	190,200
1992	30,000	135,400	2,700	9,900	46,200	139,600
1993	12,700	66,900	900	5,600	15,000	43,100
1994	1,400	25,500	500	5,600	0	0
1995	4,600	31,200	300	6,400	4,000	7,900
1996	5,600	38,300	1,200	10,100	3,000	4,200
1997	3,900	26,200	1,500	6,200	2,400	3,600
1998	1,800	24,000	500	3,500	500	1,800
1999	5,500	44,000	900	6,900	3,400	10,300
2000	9,800	68,800	3,700	21,800	7,500	25,700
1981-2000	31,300	123,600	4,000	18,400	37,400	87,900
2001	18,300	102,300	6,400	20,800	19,300	75,000

a Salmon data from surveyed ports only.

Appendix Table 20. Oregon ocean recreational salmon effort and catch, by boat type and port, 1981-2001.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
<u>Columbia River</u>						
1981	15,967	28,728	4,298	7,218	23,679	30,615
1982	11,794	15,442	3,950	4,285	17,184	18,292
1983	12,901	17,950	1,694	1,746	17,661	19,584
1984	2,704	4,406	5	21	4,409	6,465
1985	8,328	11,693	1,469	2,098	14,466	16,543
1986	7,717	12,826	660	1,396	16,429	22,634
1987	8,044	9,086	1,935	2,128	13,423	12,224
1988	2,425	3,243	231	250	4,306	5,539
1989	9,126	10,711	524	940	16,863	17,441
1990	8,497	17,024	1,107	2,212	14,140	21,970
1991	8,102	13,552	334	649	15,501	23,862
1992	4,589	8,336	172	336	8,766	13,514
1993	5,840	12,709	336	575	8,590	13,759
1994	NA	NA	-	-	-	-
1995	2,460	7,189	2	107	3,836	7,503
1996	1,723	3,555	3	25	2,872	3,943
1997	1,201	2,102	34	130	2,237	3,244
1998	368	1,646	16	80	479	1,614
1999	1,730	5,676	288	646	2,318	5,224
2000	1,189	7,223	123	643	2,198	11,514
1981-2000 avg.	6,037	10,163	904	1,341	9,966	13,447
2001	3,777	18,613	364	2,095	6,792	31,143
<u>Garibaldi</u>						
1981	2,862	30,907	177	1,601	1,936	12,992
1982	1,859	16,588	729	671	16,513	14,159
1983	1,743	21,516	54	543	1,203	6,708
1984	2,356	16,816	147	731	2,855	12,432
1985	4,855	26,824	465	1,710	6,536	17,101
1986	2,856	11,824	110	279	5,245	13,781
1987	5,217	18,986	872	2,205	4,782	7,886
1988	7,065	21,548	604	1,738	9,003	16,181
1989	4,945	21,355	114	564	7,229	16,127
1990	5,470	24,085	209	794	5,979	13,120
1991	2,535	15,269	44	558	4,446	16,316
1992	2,721	17,887	117	1,045	4,089	10,331
1993	476	3,802	18	238	295	925
1994	1,228	9,052	427	1,971	-	29
1995	1,248	3,825	53	486	210	227
1996	1,008	7,633	213	1,377	119	108
1997	376	3,278	51	419	113	219
1998	191	5,875	30	1,097	25	51
1999	243	9,453	24	1,432	30	330
2000	561	9,169	38	1,079	121	431
1981-2000 avg.	2,491	14,785	225	1,027	3,723	7,973
2001	1,797	11,872	252	2,004	2,428	6,337

Appendix Table 20 (cont.) Oregon ocean recreational salmon effort and catch, by boat type and port, 1981-2001.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
<u>Pacific City</u>						
1981	230	4,012	9	108	110	2,655
1982	210	5,947	5	626	267	6,280
1983	90	1,958	3	92	35	862
1984	142	4,465	2	225	219	4,779
1985	477	6,400	36	399	650	6,696
1986	117	3,134	2	85	205	5,048
1987	238	4,610	27	440	328	3,432
1988	196	4,449	11	366	148	4,563
1989	254	4,743	5	187	383	6,584
1990	0	3,941	0	228	0	3,813
1991	0	3,220	0	84	0	4,888
1992	0	5,527	0	341	0	6,338
1993	0	1,293	0	41	0	1,103
1994	0	1	0	0	0	0
1995	0	46	0	3	0	0
1996	0	13	0	0	0	0
1997	0	99	0	11	0	1
1998	0	102	0	10	0	10
1999	34	1,430	2	99	5	652
2000	66	1,784	2	86	51	1,412
1981-2000 avg.	103	2,859	5	172	120	2,956
2001	79	3,567	2	453	133	4,591
<u>Depoe Bay</u>						
1981	12,423	9,584	382	399	11,376	7,406
1982	7,883	9,762	421	857	8,608	9,803
1983	5,699	7,464	138	244	3,150	3,900
1984	5,335	8,657	305	475	5,572	8,987
1985	11,918	13,069	691	808	13,155	13,580
1986	10,427	7,156	293	170	18,049	10,839
1987	14,669	11,638	1,394	1,115	14,976	10,697
1988	18,732	13,313	793	582	20,801	14,921
1989	15,592	11,342	310	237	21,255	14,413
1990	14,027	9,228	411	300	14,407	8,630
1991	9,018	6,592	147	82	14,937	10,650
1992	7,448	8,448	573	546	10,937	10,934
1993	2,304	2,297	41	65	2,397	2,781
1994	0	21	2	3	-	-
1995	44	3	4	0	0	0
1996	517	23	104	2	0	0
1997	550	29	105	2	0	0
1998	230	25	65	3	0	4
1999	1,113	1,158	57	74	324	419
2000	2,133	1,720	361	87	1,428	1,743
1981-2000 avg.	7,003	6,076	330	303	8,493	6,827
2001	3,749	3,545	623	137	4,051	4,200

Appendix Table 20 (cont.) Oregon ocean recreational salmon effort and catch, by boat type and port, 1981-2001.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
<u>Newport</u>						
1981	13,104	42,231	480	1,151	12,000	31,071
1982	6,754	29,081	517	1,689	5,957	19,679
1983	5,836	23,560	308	918	3,561	11,237
1984	5,793	24,175	436	746	6,904	19,774
1985	11,216	34,351	669	1,924	12,052	23,100
1986	9,529	25,038	486	1,319	17,020	34,462
1987	13,725	36,917	1,600	2,332	13,250	26,343
1988	15,440	42,152	1,097	2,863	20,367	44,761
1989	12,731	43,098	361	925	18,899	47,914
1990	12,583	35,559	706	1,241	14,201	26,872
1991	10,214	27,431	219	432	17,358	38,122
1992	7,345	29,808	1,119	1,899	10,234	31,441
1993	2,431	10,080	80	250	2,903	8,303
1994	0	65	0	0	-	-
1995	522	374	72	32	0	7
1996	1,620	611	413	35	0	11
1997	1,254	602	1,100	93	0	14
1998	555	455	229	103	0	2
1999	1,178	3,983	53	157	625	2,596
2000	2,712	6,417	573	568	3,202	5,922
1981-2000 avg.	6,727	20,799	526	934	8,344	19,560
2001	5,201	11,225	2,838	1,722	4,374	10,885
<u>Florence</u>						
1981	13	13,179	0	764	1	7,050
1982	0	8,687	0	1,749	0	6,825
1983	98	7,732	13	564	33	3,003
1984	0	8,673	0	1,370	0	8,118
1985	396	13,350	57	1,460	365	8,968
1986	625	8,270	89	1,175	1,245	11,470
1987	625	12,927	196	3,166	450	9,794
1988	716	14,357	23	1,431	707	15,485
1989	0	12,176	0	1,755	0	10,744
1990	429	15,358	11	980	314	13,852
1991	468	12,048	24	1,008	615	19,195
1992	595	15,177	6	545	836	21,355
1993	173	3,726	5	173	141	2,173
1994	0	137	0	3	-	-
1995	0	226	0	78	0	0
1996	0	328	0	104	0	0
1997	0	712	0	80	0	2
1998	0	349	0	44	0	0
1999	0	1,279	0	136	0	250
2000	0	1,888	0	250	0	472
1981-2000 avg.	207	7,529	21	842	248	7,303
2001	0	1,272	0	109	0	1,013

Appendix Table 20 (cont.) Oregon ocean recreational salmon effort and catch, by boat type and port, 1981-2001.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
Winchester Bay						
1981	11,096	33,393	523	2,036	7,767	22,776
1982	7,186	24,923	1,052	3,540	8,008	24,156
1983	8,273	32,654	905	3,212	8,124	27,682
1984	4,253	17,444	508	2,067	4,651	16,790
1985	8,691	25,708	2,249	3,802	8,960	20,571
1986	6,888	16,192	839	1,564	11,926	22,463
1987	10,169	22,087	4,777	6,906	9,518	18,817
1988	11,399	26,882	1,807	3,397	12,781	27,287
1989	9,582	26,219	712	2,659	12,696	29,734
1990	9,113	26,374	1,234	2,634	9,012	27,048
1991	5,553	23,400	380	2,054	9,964	36,714
1992	5,027	21,282	403	1,653	8,295	28,889
1993	1,145	5,483	134	357	1,022	4,277
1994	6	171	1	14	-	-
1995	-	-	-	-	-	-
1996	0	2,165	0	448	0	11
1997	0	2,470	0	457	0	11
1998	165	1,286	74	299	0	50
1999	472	3,962	119	868	22	396
2000	1,333	11,135	659	3,773	375	2,507
1981-2000 avg.	5,282	17,012	862	2,197	6,285	17,232
2001	1,510	16,985	736	5,411	702	10,825
Coos Bay						
1981	6,481	19,738	319	813	6,803	13,251
1982	4,231	14,328	1,012	2,732	5,203	11,392
1983	3,687	19,184	357	1,532	4,958	18,854
1984	1,647	8,219	152	757	1,934	7,945
1985	3,376	11,980	569	1,319	3,424	8,874
1986	2,129	9,501	469	1,921	3,729	12,408
1987	3,607	13,112	969	2,954	3,521	12,049
1988	3,446	12,213	488	934	4,130	10,860
1989	3,553	15,082	212	1,343	4,691	15,249
1990	2,689	11,066	269	1,479	2,294	9,675
1991	2,374	13,839	102	1,488	4,139	20,153
1992	1,768	11,709	161	995	2,897	13,693
1993	454	4,341	108	307	568	4,010
1994	0	53	0	0	-	-
1995	14	477	6	159	0	0
1996	132	1,292	40	249	0	6
1997	0	750	2	115	0	4
1998	0	495	20	38	0	0
1999	36	1,768	16	237	12	361
2000	309	7,684	286	3,792	47	1,594
1981-2000 avg.	1,997	8,842	278	1,158	2,545	8,441
2001	545	9,055	227	1,663	428	5,565

Appendix Table 20 (cont.) Oregon ocean recreational salmon effort and catch, by boat type and port, 1981-2001.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
<u>Bandon</u>						
1981	NA	NA	-	-	-	-
1982	NA	NA	-	-	-	-
1983	NA	NA	-	-	-	-
1984	NA	NA	-	-	-	-
1985	NA	NA	-	-	-	-
1986	NA	NA	-	-	-	-
1987	NA	NA	-	-	-	-
1988	NA	NA	-	-	-	-
1989	NA	NA	-	-	-	-
1990	NA	NA	-	-	-	-
1991	NA	NA	-	-	-	-
1992	NA	NA	-	-	-	-
1993	NA	NA	-	-	-	-
1994	NA	NA	-	-	-	-
1995	NA	NA	-	-	-	-
1996	NA	NA	-	-	-	-
1997	NA	NA	-	-	-	-
1998	NA	NA	-	-	-	-
1999	0	82	57	6	6	11
2000	703	492	1,023	305	72	32
1981-2000 avg.	352	287	540	156	39	22
2001	909	788	1,036	341	418	385
<u>Port Orford</u>						
1981	NA	NA	-	-	-	-
1982	NA	NA	-	-	-	-
1983	NA	NA	-	-	-	-
1984	NA	NA	-	-	-	-
1985	NA	NA	-	-	-	-
1986	NA	NA	-	-	-	-
1987	NA	NA	-	-	-	-
1988	NA	NA	-	-	-	-
1989	NA	NA	-	-	-	-
1990	NA	NA	-	-	-	-
1991	NA	NA	-	-	-	-
1992	NA	NA	-	-	-	-
1993	NA	NA	-	-	-	-
1994	NA	NA	-	-	-	-
1995	NA	NA	-	-	-	-
1996	NA	NA	-	-	-	-
1997	NA	NA	-	-	-	-
1998	NA	NA	-	-	-	-
1999	0	39	0	4	0	8
2000	0	56	0	0	0	0
1981-2000 avg.	0	48	0	2	0	4
2001	0	24	0	2	0	0

Appendix Table 20 (cont.) Oregon ocean recreational salmon effort and catch, by boat type and port, 1981-2001.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
Gold Beach						
1981	1,482	3,131	246	658	247	644
1982	1,993	4,792	469	888	271	839
1983	2,174	6,685	511	1,557	366	1,192
1984	966	4,072	251	661	256	1,330
1985	1,755	4,786	723	1,857	168	539
1986	1,365	3,016	363	812	255	590
1987	1,399	2,709	394	992	446	1,176
1988	377	466	38	69	110	92
1989	NA	NA	-	-	-	-
1990	NA	NA	-	-	-	-
1991	NA	NA	-	-	-	-
1992	NA	NA	-	-	-	-
1993	NA	NA	-	-	-	-
1994	NA	NA	-	-	-	-
1995	NA	NA	-	-	-	-
1996	NA	NA	-	-	-	-
1997	NA	NA	-	-	-	-
1998	0	253	0	8	0	0
1999	0	313	0	51	0	0
2000	0	462	0	71	0	0
1981-2000 avg.	1,046	2,790	272	693	193	582
2001	0	178	0	10	0	0
Brookings						
1981	1,753	60,891	216	7,775	595	6,838
1982	1,398	53,171	669	13,502	565	15,234
1983	1,415	45,403	697	9,589	610	14,181
1984	1,132	31,803	424	7,709	468	9,437
1985	2,417	49,993	2,296	31,266	318	6,847
1986	2,004	46,304	847	9,938	864	10,221
1987	3,210	62,099	2,180	22,838	1,171	16,251
1988	2,660	49,572	2,252	19,353	1,178	13,653
1989	4,415	61,336	1,918	19,277	3,796	29,253
1990	2,500	48,612	1,126	11,607	1,236	14,083
1991	2,080	34,367	663	6,148	1,897	20,329
1992	468	17,182	151	2,511	184	3,112
1993	626	23,165	211	3,556	300	5,734
1994	193	15,965	63	3,553	-	17
1995	321	19,101	187	5,544	0	130
1996	631	22,711	378	7,819	0	106
1997	471	15,973	218	4,869	0	127
1998	269	13,464	66	1,839	0	37
1999	664	14,807	236	3,160	2	44
2000	808	20,735	590	11,154	0	61
1981-2000 avg.	1,472	35,333	769	10,150	694	8,285
2001	698	25,225	321	6,877	0	69

Appendix Table 20 (cont.) Oregon ocean recreational salmon effort and catch, by boat type and port, 1981-2001.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
<u>S. of Falcon</u>						
1981	49,444	217,066	2,352	15,305	40,835	104,683
1982	31,514	167,279	4,215	26,266	31,267	108,385
1983	29,015	166,156	2,986	18,251	22,040	87,619
1984	21,627	124,324	2,225	14,741	22,859	89,592
1985	45,101	186,461	7,755	44,545	45,701	106,276
1986	35,940	130,488	3,509	17,264	58,544	121,300
1987	52,859	185,085	12,409	42,948	48,442	106,445
1988	60,031	184,952	7,113	30,733	69,225	147,803
1989	51,072	195,351	3,632	26,947	68,949	170,018
1990	46,811	174,223	3,966	19,263	47,443	117,093
1991	32,242	136,166	1,579	11,854	53,356	166,367
1992	25,372	127,020	2,530	9,535	37,472	126,093
1993	7,609	54,187	597	4,987	7,626	29,306
1994	1,427	25,470	493	5,544	0	46
1995	2,149	24,052	322	6,302	210	364
1996	3,683	34,645	1,148	10,034	0	141
1997	2,548	23,913	1,466	6,037	0	165
1998	1,363	22,283	479	3,441	0	268
1999	3,740	38,260	562	6,224	2,070	10,118
2000	8,603	61,533	3,535	21,163	10,582	28,338
1981-2000 avg.	25,608	113,946	3,144	17,069	28,331	76,021
2001	14,000	83,373	5,953	18,644	11,758	43,401
<u>Grand Total</u>						
1981	65,411	245,794	6,650	22,523	64,514	135,298
1982	43,308	182,721	8,165	30,551	48,451	126,677
1983	41,916	184,106	4,680	19,997	39,701	107,203
1984	24,331	128,730	2,230	14,762	27,268	96,057
1985	53,429	198,154	9,224	46,643	60,167	122,819
1986	43,657	143,314	4,169	18,660	74,973	143,934
1987	60,903	194,171	14,344	45,076	61,865	118,669
1988	62,456	188,195	7,344	30,983	73,531	153,342
1989	60,198	206,062	4,156	27,887	85,812	187,459
1990	55,308	191,247	5,073	21,475	61,583	139,063
1991	40,344	149,718	1,913	12,503	68,857	190,229
1992	29,961	135,356	2,702	9,871	46,238	139,607
1993	13,449	66,896	933	5,562	16,216	43,065
1994	1,427	25,470	493	5,544	0	46
1995	4,609	31,241	324	6,409	4,046	7,867
1996	5,631	38,331	1,151	10,059	3,015	4,185
1997	3,852	26,211	1,510	6,176	2,350	3,622
1998	1,778	23,950	500	3,521	504	1,768
1999	5,470	43,950	852	6,870	3,353	10,291
2000	9,814	68,765	3,658	21,808	7,494	25,688
1981-2000 avg.	31,363	123,619	4,004	18,344	37,497	87,844
2001	18,265	102,349	6,399	20,824	19,326	75,013

Appendix Table 21. Statistical week calendar for 2001

Stat. Week	Beginning Monday	Ending Sunday	Calendar Month
13	26 MAR	1 APR	March
14	2 APR	8 APR	April
15	9 APR	15 APR	April
16	16 APR	22 APR	April
17	23 APR	29 APR	April
18	30 APR	6 MAY	May
19	7 MAY	13 MAY	May
20	14 MAY	20 MAY	May
21	21 MAY	27 MAY	May
22	28 MAY	3 JUN	May
23	4 JUN	10 JUN	June
24	11 JUN	17 JUN	June
25	18 JUN	24 JUN	June
26	25 JUN	1 JUL	June
27	2 JUL	8 JUL	July
28	9 JUL	15 JUL	July
29	16 JUL	22 JUL	July
30	23 JUL	29 JUL	July
31	30 JUL	5 AUG	August
32	6 AUG	12 AUG	August
33	13 AUG	19 AUG	August
34	20 AUG	26 AUG	August
35	27 AUG	2 SEP	August
36	3 SEP	9 SEP	September
37	10 SEP	16 SEP	September
38	17 SEP	23 SEP	September
39	24 SEP	30 SEP	September
40	1 OCT	7 OCT	October
41	8 OCT	14 OCT	October
42	15 OCT	21 OCT	October
43	22 OCT	28 OCT	October
44	29 OCT	4 NOV	November
45	5 NOV	11 NOV	November
46	12 NOV	18 NOV	November
47	19 NOV	25 NOV	November
48	26 NOV	2 DEC	November
49	3 DEC	9 DEC	December
50	10 DEC	16 DEC	December

Appendix Table 22. Chinook and coho salmon released by Oregon ocean recreational anglers from 1987-2001, by port and year, as estimated from angler interviews.

Astoria:	Year	Number Retained		Number Released		Percent Released	
		Chinook	Coho	Chinook	Coho	Chinook	Coho
1987		4,063	25,647	2,500	2,162	38%	8%
1988		481	9,845	289	481	38%	5%
1989		1,464	34,304	524	1,778	26%	5%
1990		3,319	36,110	3,099	2,110	48%	6%
1991		983	39,363	1,115	2,412	53%	6%
1992		508	22,280	445	2,952	47%	12%
1993		836	21,176	209	786	20%	4%
1995		109	11,339	3,572	4,717	97%	29%
1996		28	6,815	966	766	97%	10%
1997		164	5,481	267	1,182	62%	18%
1998		96	2,093	56	3,260	37%	61%
1999		934	7,542	570	4,302	38%	36%
2000		766	13,712	472	5,369	38%	28%
2001		2,459	37,935	3,801	26,861	61%	41%

Garibaldi:	Year	Number Retained		Number Released		Percent Released	
		Chinook	Coho	Chinook	Coho	Chinook	Coho
1987		3,077	12,668	0	5	0%	0%
1988		2,342	25,184	123	333	5%	1%
1989		678	23,356	0	87	0%	0%
1990		1,003	19,099	18	85	2%	0%
1991		602	20,762	14	49	2%	0%
1992		1,162	14,420	4	185	0%	1%
1993		256	1,220	6	56	2%	4%
1994		2,398	29	25	382	1%	93%
1995		539	437	331	148	38%	25%
1996		1,590	227	43	169	3%	43%
1997		470	332	72	171	13%	34%
1998		1,127	76	37	565	3%	88%
1999		1,456	369	42	540	3%	59%
2000		1,117	552	80	943	7%	63%
2001		2,256	8,765	234	8,767	9%	50%

Pacific City:	Year	Number Retained		Number Released		Percent Released	
		Chinook	Coho	Chinook	Coho	Chinook	Coho
1987		467	3,760	0	0	0%	0%
1988		377	4,711	3	35	1%	1%
1989		192	6,967	5	231	3%	3%
1990		228	3,813	6	18	3%	0%
1991		84	4,888	2	7	2%	0%
1992		341	6,338	3	17	1%	0%
1993		41	1,103	12	32	23%	3%
1994		0	0	1	79	100%	100%
1995		3	0	4	4	57%	100%
1996		0	0	0	0	0%	0%
1997		11	1 ^a	0	1	0%	50%
1998		10	10 ^a	9	46	47%	82%
1999		101	657	30	447	23%	40%
2000		88	1,463	6	657	6%	31%
2001		455	4,724	25	4,295	5%	48%

^a Illegal landings

Appendix Table 22. (Cont.) Estimated number of chinook and coho salmon released by recreational anglers.

Depoe Bay:	Number Retained		Number Released		Percent Released	
	Year	Chinook	Coho	Chinook	Coho	Chinook
1987	2,509	25,673	0	0	0%	0%
1988	1,375	35,722	45	747	3%	2%
1989	547	35,668	20	363	4%	1%
1990	711	23,037	93	581	12%	2%
1991	229	25,587	0	44	0%	0%
1992	1,119	21,871	18	427	2%	2%
1993	106	5,178	14	177	12%	3%
1994	5	0	16	160	76%	100%
1995	4	0	0	0	0%	0%
1996	106	0	31	107	23%	100%
1997	107	0	41	196	28%	100%
1998	68	4 ^a	27	174	28%	98%
1999	131	743	30	441	19%	37%
2000	448	3,171	46	1,593	9%	33%
2001	760	8,251	43	6,438	5%	44%

Newport:	Number Retained		Number Released		Percent Released	
	Year	Chinook	Coho	Chinook	Coho	Chinook
1987	3,932	39,593	0	0	0%	0%
1988	3,960	65,128	152	1,886	4%	3%
1989	1,286	66,813	57	684	4%	1%
1990	1,947	41,073	177	911	8%	2%
1991	651	55,480	46	803	7%	1%
1992	3,018	41,675	164	1,581	5%	4%
1993	330	11,206	126	971	28%	8%
1994	0	0	34	112	100%	100%
1995	104	7 ^a	110	48	51%	87%
1996	448	11 ^a	63	943	12%	99%
1997	1,193	14 ^a	388	442	25%	97%
1998	332	2 ^a	80	196	19%	99%
1999	210	3,221	71	1,706	25%	87%
2000	1,141	9,124	220	5,726	16%	39%
2001	4,560	15,259	392	10,526	8%	41%

Florence:	Number Retained		Number Released		Percent Released	
	Year	Chinook	Coho	Chinook	Coho	Chinook
1987	3,362	10,244	0	0	0%	0%
1988	1,454	16,192	61	784	4%	5%
1989	1,755	10,744	18	290	1%	3%
1990	991	14,166	119	706	11%	5%
1991	1,032	19,810	38	607	4%	3%
1992	551	22,191	731	2,386	57%	10%
1993	178	2,314	12	85	6%	4%
1994	3	0	0	0	0%	0%
1995	78	0	0	12	0%	100%
1996	104	0	4	108	4%	100%
1997	80	2 ^a	13	37	14%	95%
1998	44	0	22	114	33%	95%
1999	136	250	4	258	3%	51%
2000	250	472	15	556	6%	54%
2001	109	1,013	3	797	3%	44%

^a Illegal landings

Appendix Table 22. (Cont.) Estimated number of chinook and coho salmon released by recreational anglers.

Winchester Bay:		Number Retained		Number Released		Percent Released	
Year	Chinook	Coho	Chinook	Coho	Chinook	Coho	
1987	11,683	28,335	2	27	0%	0%	
1988	5,204	40,068	1,100	1,232	17%	3%	
1989	3,371	42,430	625	1,485	16%	3%	
1990	3,868	36,060	1,665	3,753	30%	9%	
1991	2,434	46,678	326	1,907	12%	4%	
1992	2,056	37,184	1,515	2,266	42%	6%	
1993	491	5,299	39	83	7%	2%	
1994	15	0	2	3	12%	100%	
1996	448	11 ^a	55	251	11%	96%	
1997	457	11 ^a	469	592	51%	98%	
1998	373	50 ^a	131	1,125	26%	96%	
1999	987	418	42	620	4%	60%	
2000	4,432	2,882	315	3,221	7%	53%	
2001	6,147	11,527	1,246	18,218	17%	61%	

Coos Bay:		Number Retained		Number Released		Percent Released	
Year	Chinook	Coho	Chinook	Coho	Chinook	Coho	
1987	3,923	15,570	0	0	0%	0%	
1988	1,422	14,990	181	182	11%	1%	
1989	1,555	19,940	98	491	6%	2%	
1990	1,748	11,969	125	322	7%	3%	
1991	1,590	24,292	145	668	8%	3%	
1992	1,156	16,590	906	2,491	44%	13%	
1993	415	4,578	26	113	6%	2%	
1994	0	0	16	71	100%	100%	
1995	165	0	84	54	34%	100%	
1996	289	6 ^a	59	144	17%	96%	
1997	117	4 ^a	80	126	41%	97%	
1998	58	0	32	56	36%	100%	
1999	253	373	15	350	6%	48%	
2000	4,078	1,641	222	2,287	5%	58%	
2001	1,890	5,993	230	7,449	11%	55%	

Bandon:		Number Retained		Number Released		Percent Released	
Year	Chinook	Coho	Chinook	Coho	Chinook	Coho	
1987	NA	NA	NA	NA	-	-	
1988	NA	NA	NA	NA	-	-	
1989	NA	NA	NA	NA	-	-	
1990	NA	NA	NA	NA	-	-	
1991	NA	NA	NA	NA	-	-	
1992	NA	NA	NA	NA	-	-	
1993	NA	NA	NA	NA	-	-	
1994	NA	NA	NA	NA	-	-	
1995	NA	NA	NA	NA	-	-	
1996	NA	NA	NA	NA	-	-	
1997	NA	NA	NA	NA	-	-	
1998	NA	NA	NA	NA	-	-	
1999	63	17	0	7	0%	29%	
2000	1,328	104	74	335	5%	76%	
2001	1,377	803	69	1,450	5%	64%	

^a Illegal landings

Appendix Table 22. (Cont.) Estimated number of chinook and coho salmon released by recreational anglers.

Port Orford:	Number Retained		Number Released		Percent Released		
	Year	Chinook	Coho	Chinook	Coho	Chinook	Coho
1987		NA	NA	NA	NA	-	-
1988		NA	NA	NA	NA	-	-
1989		NA	NA	NA	NA	-	-
1990		NA	NA	NA	NA	-	-
1991		NA	NA	NA	NA	-	-
1992		NA	NA	NA	NA	-	-
1993		NA	NA	NA	NA	-	-
1994		NA	NA	NA	NA	-	-
1995		NA	NA	NA	NA	-	-
1996		NA	NA	NA	NA	-	-
1997		NA	NA	NA	NA	-	-
1998		NA	NA	NA	NA	-	-
1999		4	8	0	0	0%	0%
2000		0	0	0	0	0%	0%
2001		2	0	0	0	0%	0%

Gold Beach:	Number Retained		Number Released		Percent Released		
	Year	Chinook	Coho	Chinook	Coho	Chinook	Coho
1987		1,386	1,622	109	126	7%	7%
1988		107	202	1	4	1%	2%
1989		NA	NA	NA	NA	-	-
1990		NA	NA	NA	NA	-	-
1991		NA	NA	NA	NA	-	-
1992		NA	NA	NA	NA	-	-
1993		NA	NA	NA	NA	-	-
1994		NA	NA	NA	NA	-	-
1995		NA	NA	NA	NA	-	-
1996		NA	NA	NA	NA	-	-
1997		NA	NA	NA	NA	-	-
1998		8	0	7	0	47%	0%
1999		51	0	6	3	11%	100%
2000		74	0	2	16	3%	100%
2001		10	0	0	0	0%	0%

Brookings:	Number Retained		Number Released		Percent Released		
	Year	Chinook	Coho	Chinook	Coho	Chinook	Coho
1987		25,018	17,422	7,552	2,759	23%	14%
1988		21,605	14,831	917	420	4%	3%
1989		21,195	33,049	229	2,612	1%	7%
1990		12,733	15,319	1,128	1,508	8%	9%
1991		6,811	22,226	698	1,740	9%	7%
1992		2,662	3,296	908	1,531	25%	32%
1993		3,767	6,034	295	408	7%	6%
1994		3,616	17	157	442	4%	96%
1995		5,731	130 ^a	363	942	6%	88%
1996		8,197	106 ^a	1,893	2,303	19%	96%
1997		5,087	127 ^a	4,690	3,236	48%	96%
1998		1,905	37 ^a	1,055	771	36%	95%
1999		3,396	46 ^a	568	2,414	14%	98%
2000		11,744	61 ^a	1,241	662	10%	92%
2001		7,198	69 ^a	828	2,602	10%	97%

^a Illegal landings

Appendix Table 22. (Cont.) Estimated number of chinook and coho salmon released by recreational anglers.

Statewide totals: Year	Number Retained		Number Released		Percent Released	
	Chinook	Coho	Chinook	Coho	Chinook	Coho
1987	59,420	180,534	10,163	5,079	15%	3%
1988	38,327	226,873	2,872	6,104	7%	3%
1989	32,043	273,271	1,576	8,021	5%	3%
1990	26,548	200,646	6,430	9,994	19%	5%
1991	14,416	259,086	2,384	8,237	14%	3%
1992	12,573	185,845	4,694	13,836	27%	7%
1993	6,420	58,108	739	2,711	10%	4%
1994	6,037	46	251	1,249	4%	96%
1995	6,733	11,913	4,464	5,925	40%	33%
1996	11,210	7,176	3,114	4,791	22%	40%
1997	7,686	5,972	6,020	5,983	44%	50%
1998	4,021	2,272	1,456	6,307	27%	74%
1999	7,722	13,644	1,378	11,088	15%	45%
2000	25,466	33,182	2,693	21,365	10%	39%
2001	27,223	94,339	6,871	87,403	20%	48%

^a Illegal landings

