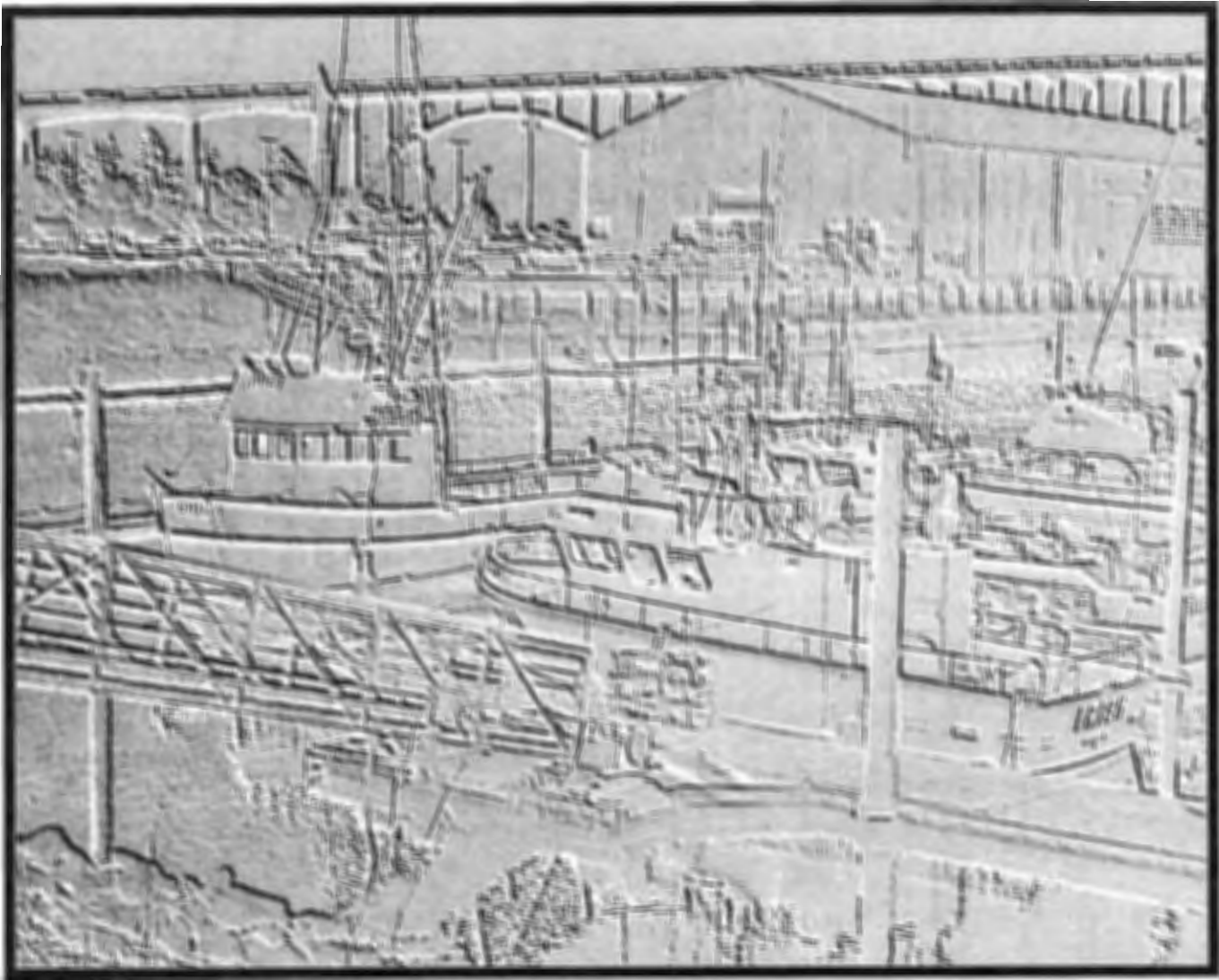


Oregon Ocean Salmon Fisheries: Annual Status Report, 2000



Oregon Department of Fish and Wildlife Ocean Salmon Management

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OREGON OCEAN SALMON FISHERIES:

Annual Status Report, 2000

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Oregon Department of Fish and Wildlife
Fish Division
Marine Resources Program
Ocean Salmon Management:
(Commercial Troll Salmon Project
and the Ocean Recreational Boat Survey)

This Project was funded in part by:

Anadromous Fisheries Act
(administered by the National Marine Fisheries Service)
Contract Award: NA77FAO443

Bonneville Power Administration
(administered by Pacific States Marine Fisheries Commission)
Project No: 8201300

Pacific Salmon Treaty
(administered by the National Marine Fisheries Service)
Contract Award No: NA97FPO059

Federal Aid in Sport Fish Restoration Act
(administered by the U.S. Fish and Wildlife Service, U.S. Dept. of Interior)
Project No: F-115-R-19

State of Oregon General Fund and Licensing Revenues.

January, 2003

CONTENTS

	<u>Page</u>
INTRODUCTION	1
2000 OCEAN TROLL SALMON FISHERY.....	2
BACKGROUND.....	2
SAMPLING METHODOLOGY.....	3
Sampling Areas and Staffing.....	3
Sampling Design	3
Average Weights and Coded Wire Tags.....	6
Quota Assessment.....	6
REGULATIONS AND SEASON LANDINGS	8
U.S./Canada Border to Cape Falcon.....	8
Queets River to Cape Falcon	8
Cape Falcon to Humbug Mountain.....	9
Humbug Mountain to Oregon/California Border	9
House Rock to Humboldt South Jetty.....	10
EFFORT AND CATCH STATISTICS	10
Effort.....	10
Landings.....	11
AVERAGE WEIGHT DATA	15
THE DOLLAR VALUE OF OCEAN SALMON LANDINGS	19
CODED WIRE TAG SAMPLING	19
SPECIAL FISHERIES AND STUDIES	25
Tillamook State Waters Chinook Fishery	25
Elk River State Waters Chinook Fishery	25
Chetco River State Waters Chinook Fishery.....	25
THE 2000 OCEAN RECREATIONAL SALMON FISHERY	27
BACKGROUND.....	27
SAMPLING METHODOLOGY.....	29
Sampling areas and staffing.....	29
Sampling Design	29
Quota Assessment.....	30
REGULATIONS.....	30
General.....	30
North of Cape Falcon	32
Cape Falcon to Humbug Mountain.....	32
Humbug Mountain to Horse Mountain, California.....	33
Late season, state waters fisheries	33

CONTENTS (continued)

	<u>Page</u>
EFFORT AND CATCH STATISTICS	34
Effort.....	34
Catch.....	38
Chinook	38
Coho.....	42
CHARTER/PRIVATE BOAT FISHERIES	42
Background	42
Charter Angler Effort	44
Charter Angler Catch.....	44
Private Angler Effort	44
Private Angler Catch.....	48
ESTIMATES OF RELEASED SALMON.....	48
Background	48
Chinook	48
Coho.....	48
RECREATIONAL OCEAN SALMON CODED WIRE TAG SAMPLING	51
Chinook	51
Coho.....	51
SPECIAL FISHERIES AND STUDIES	57
Columbia River Buoy 10 Estuary Fishery	57
November Chinook Fishery off Tillamook Bay	58
November-December Fishery off Port Orford.....	58
October Fishery off Brookings.....	58
Tillamook Bay Fall Creel.....	58
Gear Profile	59
At Sea Observations of the Selective Coho Fishery.....	66
REFERENCES	68
APPENDIX	69

FIGURES

<u>Number</u>		<u>Page</u>
1	Historical Oregon troll salmon landings in numbers of fish (1952-2000), and in pounds dressed, head on viscera removed (1925-2000).....	5
2	Commercial ocean troll seasons off Oregon, 2000.....	7
3	Oregon salmon catch areas and major ports.....	12
4	Oregon commercial ocean troll salmon effort in boat days by area of catch and by month, 1998-2000.....	13
5	Oregon commercial ocean troll chinook landings by area of catch and by month 1998-2000.....	14
6	Oregon commercial ocean troll coho landings by area of catch and by month 1998-2000.....	16
7	Observed recoveries of chinook coded wire tags from Oregon commercial ocean troll salmon landings by release agency and by basin of release, 2000.	24
8	Ocean recreational salmon seasons off Oregon, 2000.	31
9	Oregon ocean angler trips by target species during the 2000 sampling season.....	36
10	Recreational ocean salmon angler trips by port, 2000.....	36
11	Oregon ocean recreational salmon angler trips by catch area and by month, 1998-2000.....	37
12	Trends in Oregon's recreational ocean salmon catch, 1966-2000.	39
13	Oregon ocean recreational chinook and coho catch by port, 2000.....	40
14	Oregon ocean recreational chinook catch by catch area and by month, 1998-2000.....	41
15	Oregon ocean recreational coho catch by catch area and by month, 1998-2000.....	43
16	A comparison of effort and catch by Oregon ocean salmon charter and private anglers, 1973-2000..	47
17	Recoveries of chinook and coho coded wire tags, by release agency and by basin of release from Oregon's ocean recreational catch, 2000.....	56

FIGURES (continued)

<u>Number</u>		<u>Page</u>
18	Map of Tillamook Bay, Oregon showing the boundaries for the bay zones used in the 2000 creel survey, and areas of primary and secondary fishing activity.	60

TABLES

<u>Number</u>		<u>Page</u>
1	Commercial troll salmon effort (deliveries and boat days) and landings (number of fish and pounds dressed), 1952-2000.	4
2	Commercial troll chinook salmon landings in pounds dressed, by calendar month, and port of landing, 2000.	11
3	Commercial troll coho salmon landings in pounds dressed, by calendar month, and port of landing, 2000.	15
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, 2000.	17
5	Observed average dressed weight and calculated number of chinook landed in the Oregon ocean commercial troll fishery by calendar month and area of catch, 2000.	18
6	Commercial troll chinook mark sampling by statistical month and port of landing, 2000.	20
7	Commercial troll coho mark sampling by statistical month and port of landing, 2000.	22
8	Summary of Oregon ocean commercial troll terminal ocean fisheries.	26
9	Ocean recreational salmon catch and effort for 1966-2000.	28
10	Ocean recreational effort in angler trips by port, by statistical month, and by trip type, 2000.	35
11	Ocean recreational chinook catch by port and month, 2000.	38
12	Ocean recreational coho catch by port and month, 2000.	42

TABLES (continued)

<u>Number</u>		<u>Page</u>
13	Recreational salmon effort and catch by boat type, 2000.....	45
14	Recreational salmon and bottomfish effort and catch by boat and trip type, 2000.	46
15	Chinook salmon released by Oregon ocean recreational anglers by port and by statistical month, 2000.	49
16	Coho salmon released by Oregon ocean recreational anglers by port and by statistical month, 2000	50
17	Chinook coded-wire tag sampling from the ocean recreational fishery, by port and month, 2000.....	52
18	Coho coded-wire tag sampling from the ocean recreational fishery, by port and month, 2000.....	54
19	Buoy 10 Columbia River estuary season. Total salmon angler trips and catch, 2000; and totals for 1982-2000, Oregon and Washington combined data.	57
20	Summary of Chetco River Area recreational terminal ocean fishery by boat type, 2000	58
21	Tillamook Bay recreational fishery creel 2000; effort and catch estimates by statistical week and by zone.	59
22	Gear profile of angling methods used for ocean salmon fishing off Oregon, 2000.....	62
23	Gear profile of weighting methods used for ocean salmon fishing off Oregon, 2000.....	63
24	Gear profile detailing use of attractors in ocean salmon fishing off Oregon, 2000.....	64
25	Gear profile detailing use of bait and lures in ocean salmon fishing off Oregon, 2000.....	65
26	Summary of at sea observations of the Oregon recreational selective coho salmon fishery, 2000.....	67

APPENDIX FIGURES

<u>Number</u>		<u>Page</u>
1	Location of the control zone off Tillamook Bay with diagram of ODFW marker	70

APPENDIX TABLES

<u>Number</u>		<u>Page</u>
1	Seasonal field sampling personnel hired by the ODFW Ocean Salmon Management Program, 2000.....	71
2	Ocean troll fishery mark sampling rates by port, year, and species.....	72
3	History of actual Oregon ocean commercial troll fishery regulations	73
4	Commercial troll effort by statistical month, area, and year	84
5	Commercial troll landings of chinook and coho salmon by area, month, and year 1979-2000.....	89
6	Commercial ocean troll salmon chinook catch, in number of fish, by statistical week and area of catch, 2000.	94
7	Commercial ocean troll salmon coho catch, in number of fish, by statistical week and area of catch, 2000	95
8	Estimates of nominal ex-vessel value for Oregon ocean commercial troll salmon landings and average price per pound, 1971-2000.	96
9	Recreational ocean salmon sampling rates, 1990-2000.....	97
10	Summary of recreational ocean salmon regulations.....	98
11	Ocean recreational salmon angler effort, by port and statistical week for 2000.	105
12	Ocean recreational effort in salmon angler trips by area and month for 1979-2000	106
13	Summary of recreational ocean salmon effort and catch by area, 1976-2000.....	109

APPENDIX TABLES (continued)

<u>Number</u>		<u>Page</u>
14	Recreational chinook catch by area and month, 1979-2000.....	110
15	Recreational chinook catch, by port and week, 2000	112
16	Recreational coho catch by area and month, 1979-2000	113
17	Recreational coho catch, by port and week, 2000	115
18	Number of Oregon charter boats active by port, 1987-2000.....	116
19	Recreational salmon effort and catch by boat type, 1979-2000.....	117
20	Recreational salmon effort and catch, by boat type and port, 1979-2000	118
21	Statistical week calendar for 2000	125
22	Chinook and coho salmon released by Oregon ocean recreational anglers from 1987-2000, by port and year, as estimated from angler interviews	126

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 2000 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 2000, we sampled the commercial troll fishery at nine Oregon coastal ports, and we sampled the recreational ocean boat fishery at all twelve primary ports. To sample the 2000 fisheries, we hired 34 seasonal employees for varying lengths of time to fill twenty-five seasonal positions: two were commercial troll samplers, eight were recreational samplers, fourteen were "combination" commercial-recreational samplers, two were on board observers, and there was one biological sampling coordinator to assist with marine finfish age structure and associated data collection. We also had one employee who worked approximately 20% of the time sampling the recreational fishery and 80% of the time processing data (Appendix Table 1), and one employee to assist and supervise biological data collection from marine finfish. In addition, some samplers were shifted to temporary duties in other ports to cover special sampling needs.

2000 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 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).

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. In 2000, the number of renewed troll permits declined to 1,077 from the 1,111 renewed in 1999. Of the permitted vessels, only 399 recorded landings of salmon in 2000. As the number of vessels drops below the permit moratorium level in 1999, 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. 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. The second half 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. The areas north of Cape Falcon and south of Humbug Mountain saw limited troll chinook salmon opportunities during the 2000 season (Figure 2).

SAMPLING METHODOLOGY

Sampling Areas and Staffing

For 2000, a seasonal staff of two troll salmon samplers and ten 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 Garibaldi, Newport, Florence, 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

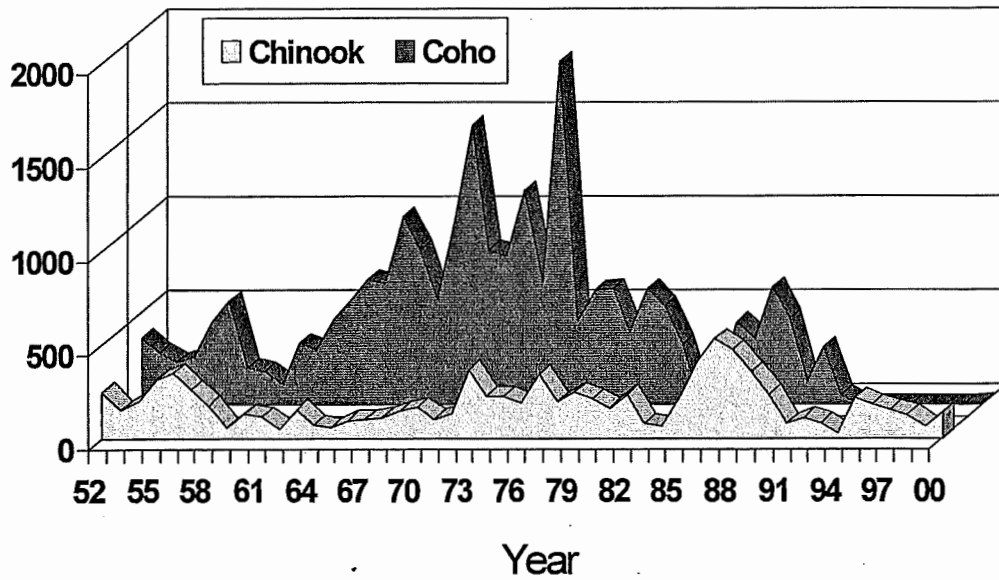
Table 1. Oregon commercial troll salmon effort (deliveries and boat days) and landings (number of fish and pounds dressed), 1952-00. Includes effort and catches made off California, Washington, and Alaska and landed in Oregon.

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

^aNumbers 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)

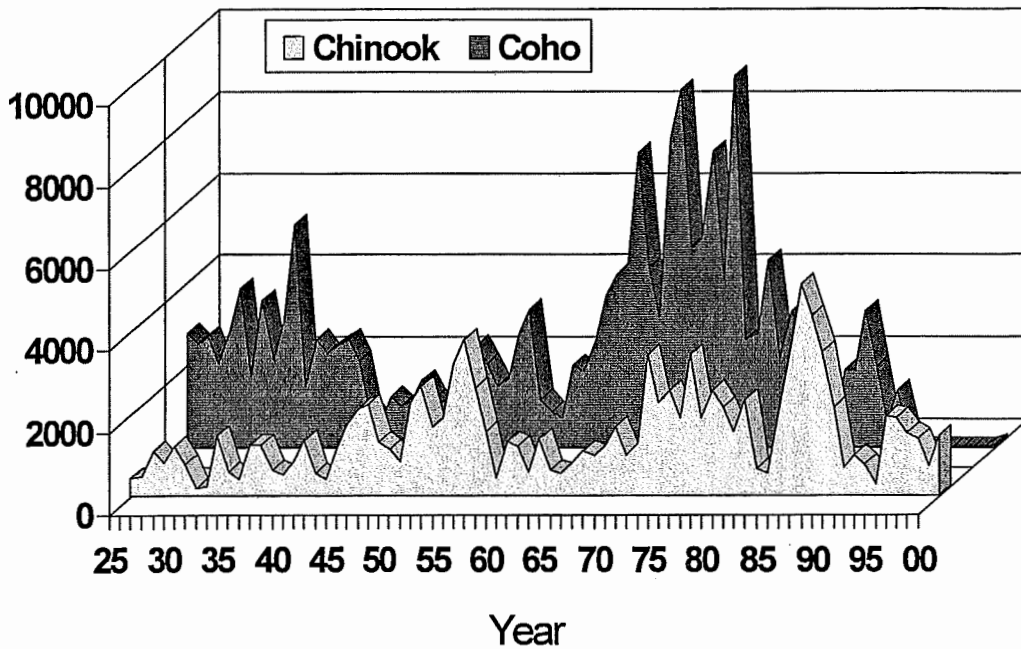


Figure 1. Historical Oregon troll salmon landings in numbers of fish (1952-2000), and in pounds dressed, head on viscera removed (1925-2000).

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 fish on the water becomes less precise as the level of trip boat participation increases,

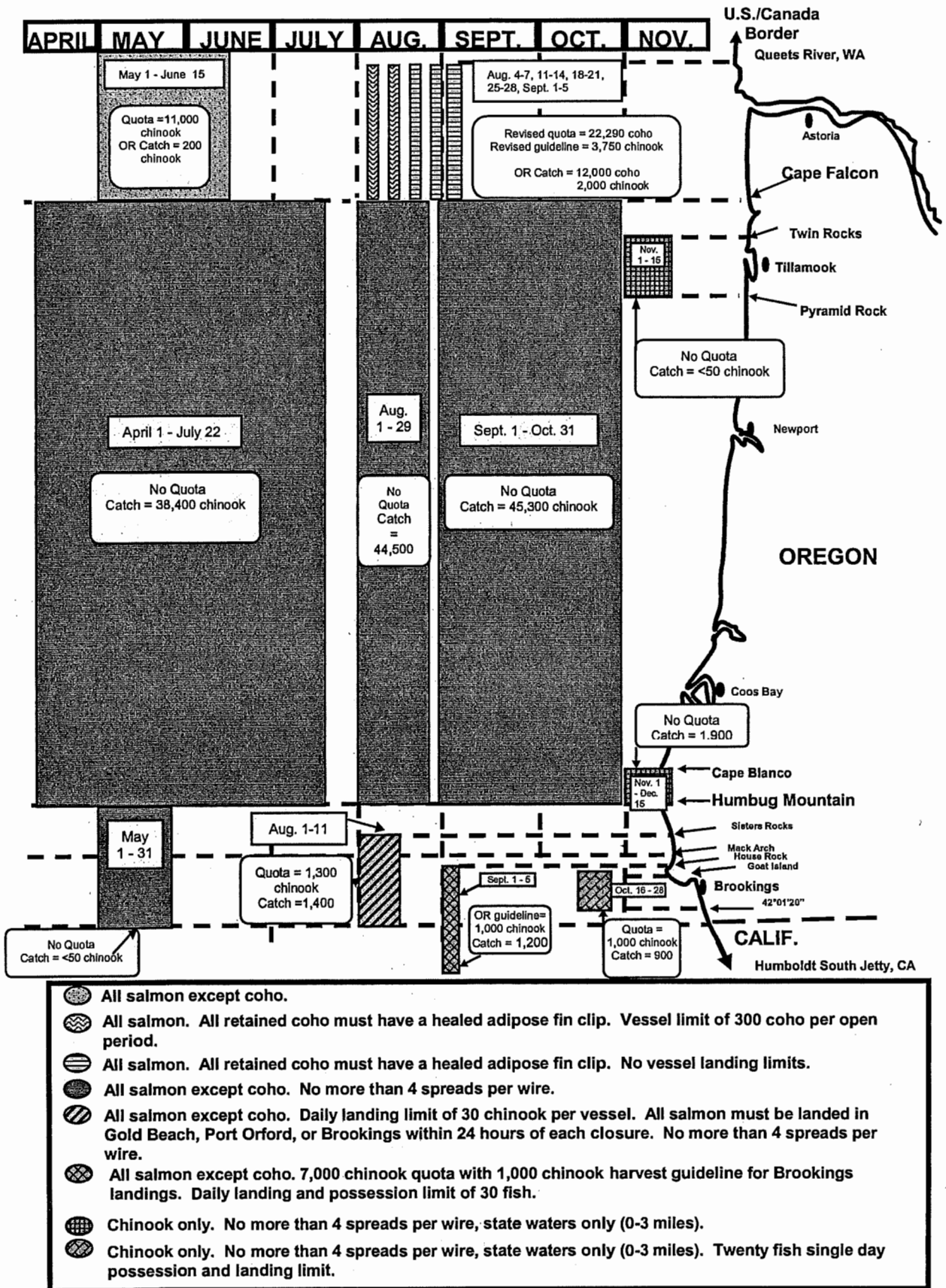


Figure 2. Commercial ocean troll seasons, quotas, and landings, 2000.

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 PFMF 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 PFMF. Special all-species-except-coho 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 2000, 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 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

Season was structured to be open for all species except coho from May 1 through earlier of June 15 or quota of 11,000 chinook. The fishery was opened as scheduled, and continued through June 15 without the quota being met (46 fishing days). The Columbia River Control Zone was closed to all salmon fishing. A total of 682 chinook from this season were landed in Oregon.

Queets River to Cape Falcon

This was the only coho retention fishery authorized during the 2000 season. The season was originally structured pre-season with quotas of 25,000 adipose fin clipped coho and 1,500 chinook, and was to open August 4 under 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 2,750 chinook. The season was open for the first two periods of August 4-7 and August 11-14 with a 300 adipose fin clipped coho landing limit per vessel for each open period. Following the first open period, a series of quota transfers occurred between the recreational fishery and the troll fishery that resulted in final quotas of 22,290 adipose fin clipped coho and 3,750 chinook for the troll fishery. Three more open periods were authorized for August 18-21, August 25-28, and September 1-5 with landing limit restrictions removed. This resulted in 21 total open fishing 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 12,027 coho and 1,981 chinook were landed in Oregon during this season.

Cape Falcon to Humbug Mountain

The all-salmon-except-coho fishery from Cape Falcon to Humbug Mountain was open from April 1 through July 22, August 1 through 29, and September 1 through October 31 (203 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 September 15 to limit catch on locally depressed stocks of spring chinook through June, and to reduce incidental hooking mortality on coho from July through September (Appendix Figure 1). Chinook landings for the three seasonal breaks in this area were 38,448 for April through July, 46,141 chinook for August, and 43,830 chinook for the September through October period.

There was also a state waters (0-3 miles) chinook fishery 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 9 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 1,747 chinook were caught in this season.

Humbug Mountain to Oregon - California Border

An all species except coho season from Humbug Mountain to the Oregon-California border was open May 1-31. This season was open without quota, and ran through the month of May (31 fishing days) with a catch of 21 chinook.

An all-salmon-except-coho season was scheduled to be open August 1 through the earlier of August 31 or 1,300 chinook quota for waters from Sisters Rocks to the Oregon-California border. Vessels were limited by a daily landing and possession limit of 30 chinook per vessel. Vessels were required to land and deliver their fish in either Port Orford, Gold Beach, or Brookings within 24 hours of each closure. The fishery ended on August 11 due to attainment of quota (11 fishing days). An estimated 1,405 chinook were caught in this season.

A chinook only season was authorized by the OFWC for state waters (0-3 miles) for the area from Goat Island to 42° 01' 20" N. Lat. This fishery was scheduled to open October 16 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. On October 26 action was taken to close the fishery at the end of

fishing on October 28 because landed catch and catch rates at that time indicated that the fishery would exceed the quota before the scheduled closing date. However, catch rates dropped off and the quota was not met (13 fishing days). All chinook were required to be landed into Brookings, and landings totaled 861 chinook.

House Rock 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 7,000 chinook quota for waters from House Rock, Oregon to the Humboldt South Jetty, California. Landings into Oregon were limited to no more than 1,000 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 at the end of fishing on September 5 due to attainment of the sub-quota (5 fishing days). An estimated 861 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 2000 totaled 7,520 boat days. This is a 47% increase over the 1999 effort of 5,116 boat days, but is still only 33% of the 1979-99 average of 23,000 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.

For the second year since 1991 (1999 and 2000), the effort within the Coos Bay catch area exceeded that in the Newport catch area. The 2000 Coos Bay area effort totaled 3,367 boat days, and was a 30% increase over the effort of 2,597 boat days observed in 1999 (Figure 4, and Appendix Tables 4). All Oregon catch areas showed increased effort over the 1999 season.

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. In 2000, August accounted for 29%, September 17%, July 16%, and June 13% of the fishing effort (Figure 4).

Landings

Chinook: The 2000 Oregon ocean troll chinook catch totaled 136,581 fish. This was a 214% increase over the catch of 63,700 chinook in 1999, but was still only 68% of the 1979-98 average of 200,800 chinook (Table 1; and Appendix Tables 5 and 6). Total 2000 season landings in pounds of dressed chinook (head on, gills and viscera removed) was 1,482,458 lbs. (Table 2), and was a 205% increase in poundage landed from the 1999 deliveries of 722,670 lbs.

Table 2. Oregon commercial troll chinook salmon landings in pounds dressed, by calendar month, and port of landing, 2000.

Port	Month									
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Astoria	0	3,932	21,852	2,698	25,513	3,803	30,970	0	0	88,768
Gearhart/Seaside	0	0	0	0	227	0	0	0	0	227
Cannon Beach	0	0	0	53	445	0	0	0	0	498
Garibaldi	10	2,139	20,912	3,534	45,593	13,369	12,012	167	0	97,736
Pacific City	0	0	281	26	24	197	25	0	0	551
Depoe Bay	0	0	0	0	1,115	1,410	112	0	0	2,637
Newport	5,840	54,512	59,191	81,136	149,751	140,898	38,181	139	0	529,648
Florence	411	3,374	1,683	12,089	25,720	17,535	111	0	0	60,923
Winchester Bay	1,260	3,052	1,252	33,434	34,928	9,999	454	0	0	84,379
Charleston	7,694	14,304	16,815	103,888	214,033	88,313	19,527	246	0	464,820
Bandon	170	2,208	2,519	18,677	10,688	3,703	46	0	0	38,011
Port Orford	13	394	0	643	10,508	9,428	15,820	18,704	5,770	61,280
Gold Beach	12	186	0	739	83	1,250	611	0	0	2,881
Brookings	0	37	69	3,283	19,519	11,708	15,483	0	0	50,099
Total	15,410	84,138	124,574	260,200	538,147	301,613	133,350	19,256	5,770	1,482,458

Most chinook were caught in the Coos Bay catch area with landings of 65,178 fish (48%), and were up 53% over the 1998 catch of 42,487 chinook. All catch areas showed dramatic increases in 2000 chinook landings when compared to 1999 (Figure 5).

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. In 2000, 36% of the chinook were landed in August, 24% in September, and 16% in July (Table 3).

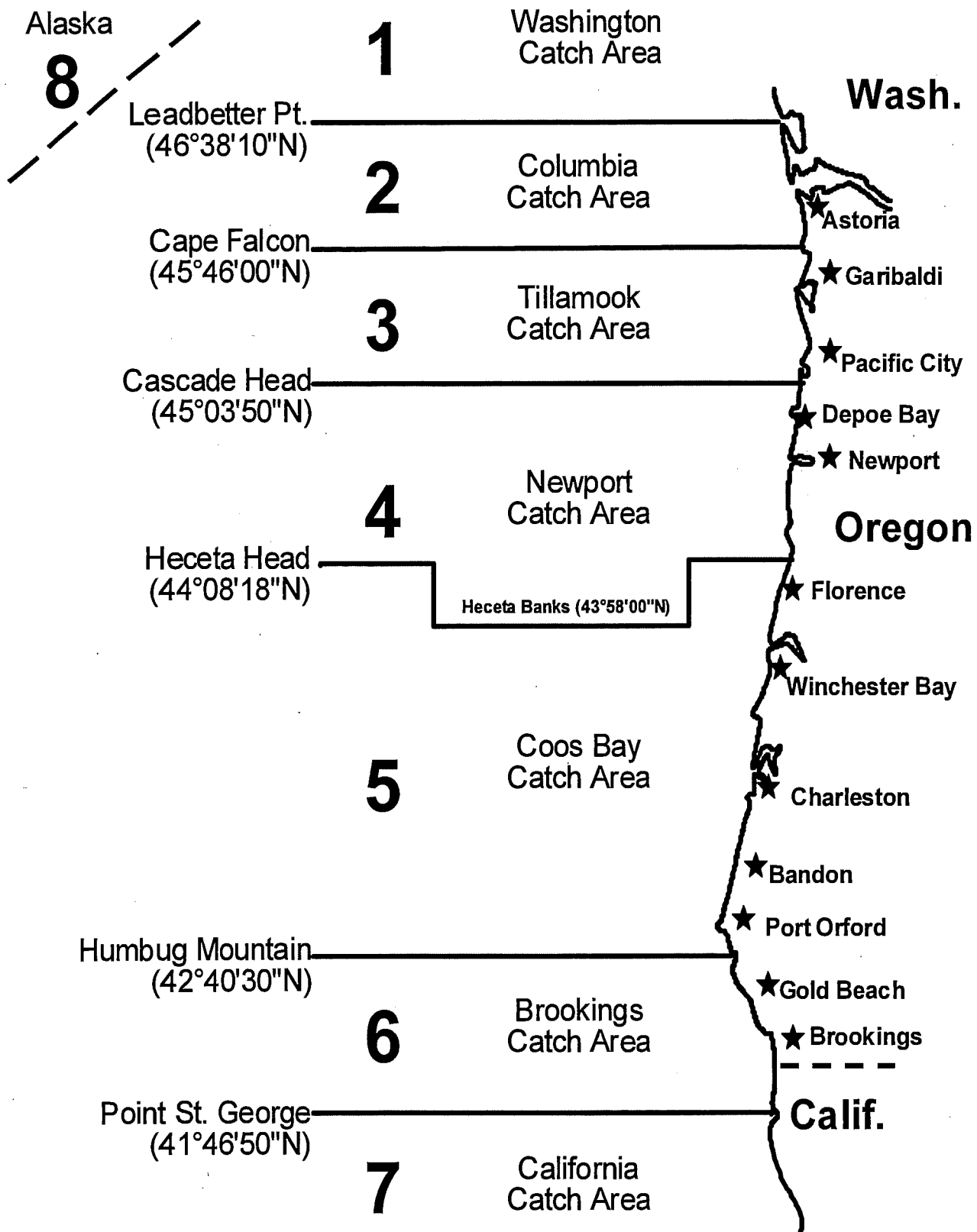
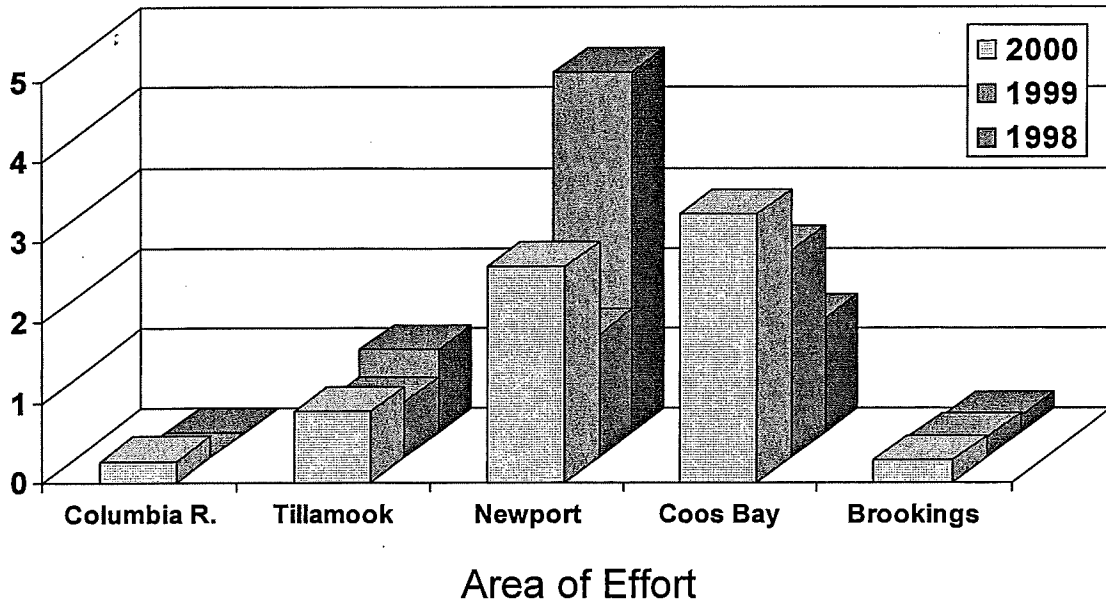


Figure 3. Oregon salmon catch areas and major ports.

Effort

BOAT DAYS (thousands)



BOAT DAYS (thousands)

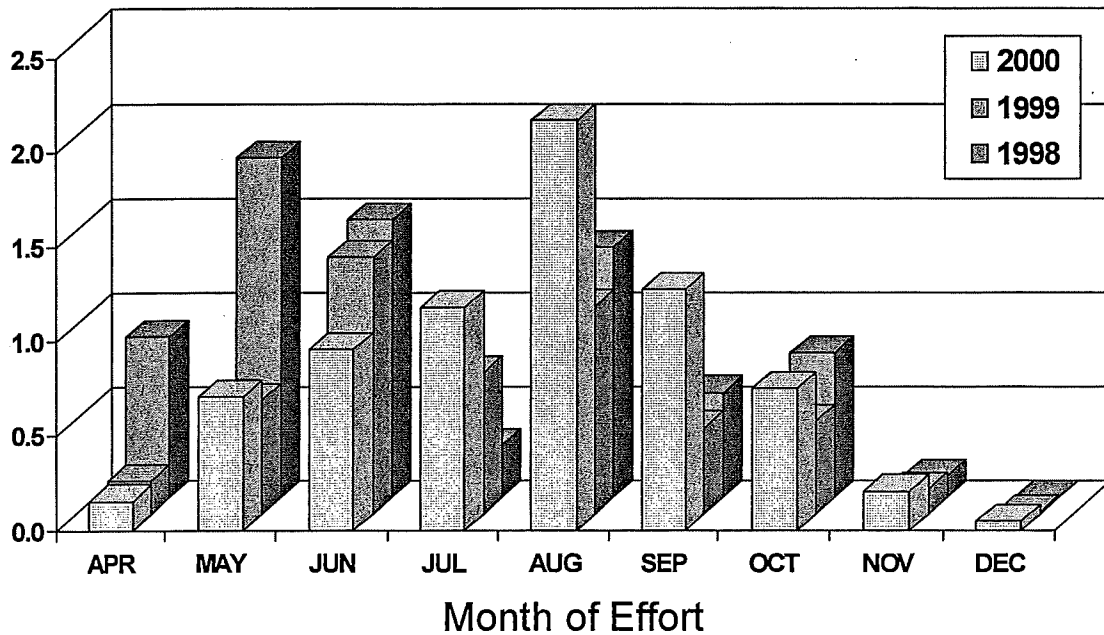


Figure 4. Oregon commercial ocean troll salmon effort in boat days by area of effort and by month, 1998-2000.

Chinook

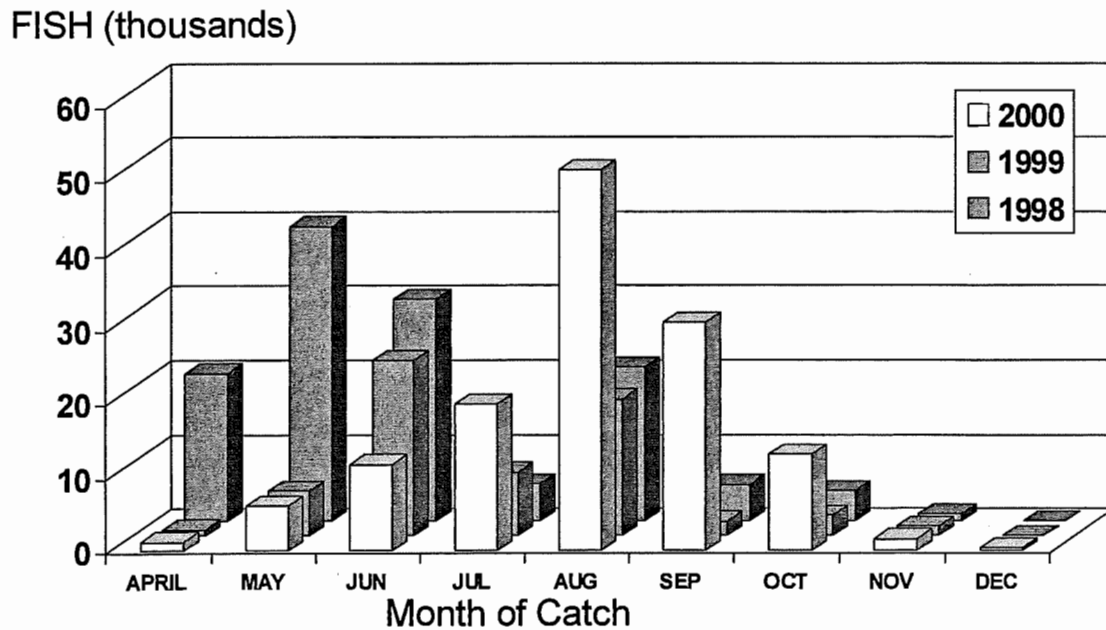
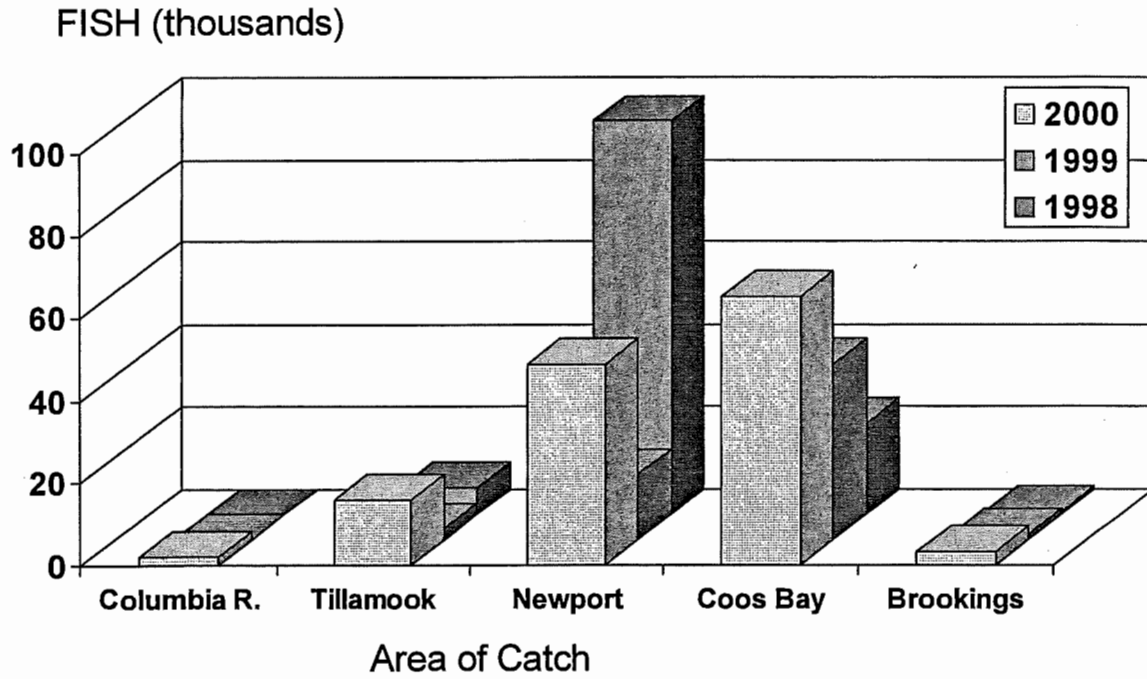


Figure 5. Oregon commercial ocean troll chinook landings by area of catch and by month, 1998-2000.

Coho: The 2000 Oregon ocean troll coho landings totaled 12,258 fish (Table 1 and Figure 6). This was the first 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 landings occurred in the Columbia River catch area. A total of 72,794 pounds of dressed coho were landed in 2000 (Table 3).

Table 3. Oregon commercial troll coho salmon landings in pounds dressed, by calendar month, and port of landing, 2000.

Port	Month									
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Astoria	-	-	-	-	65,440	5,173	-	-	-	70,613
Gearhart/Seaside	-	-	-	-	1,023	0	-	-	-	1,023
Cannon Beach	-	-	-	-	1,158	0	-	-	-	1,158
Garibaldi	-	-	-	-	-	-	-	-	-	0
Pacific City	-	-	-	-	-	-	-	-	-	0
Depoe Bay	-	-	-	-	-	-	-	-	-	0
Newport	-	-	-	-	-	-	-	-	-	0
Florence	-	-	-	-	-	-	-	-	-	0
Winchester Bay	-	-	-	-	-	-	-	-	-	0
Charleston	-	-	-	-	-	-	-	-	-	0
Bandon	-	-	-	-	-	-	-	-	-	0
Port Orford	-	-	-	-	-	-	-	-	-	0
Gold Beach	-	-	-	-	-	-	-	-	-	0
Brookings	-	-	-	-	-	-	-	-	-	0
Total	0	0	0	0	67,621	5,173	0	0	0	72,794

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 2000 seasonal average dressed weight (head on, viscera removed) for chinook was 10.9 pounds (Table 4). This was down slightly compared to the 11.3 pound average weight observed in 1999, but is substantially above the 9.7 pound average for the period of 1979-99 (Table 1). Chinook average weights have remained above the 1952-00 average weight of 9.9 pounds every year since 1996.

Average weight for troll caught coho salmon during the 2000 season was 5.9 pounds (Table 5). This was up from the 1999 average of 4.9 pounds, however varied open time periods for the coho seasons makes for difficult comparisons between years.

Coho

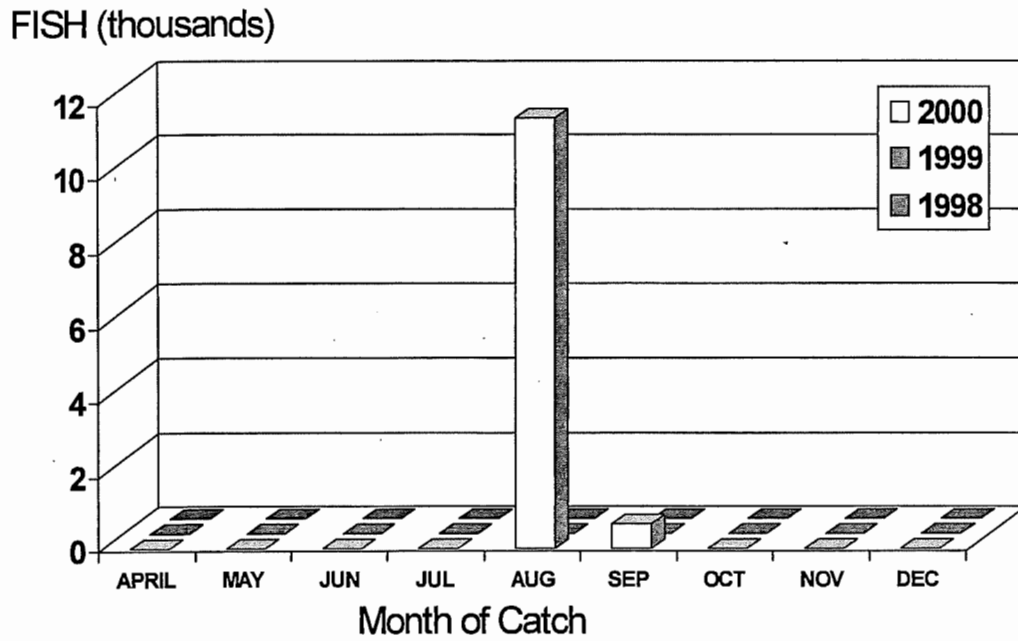
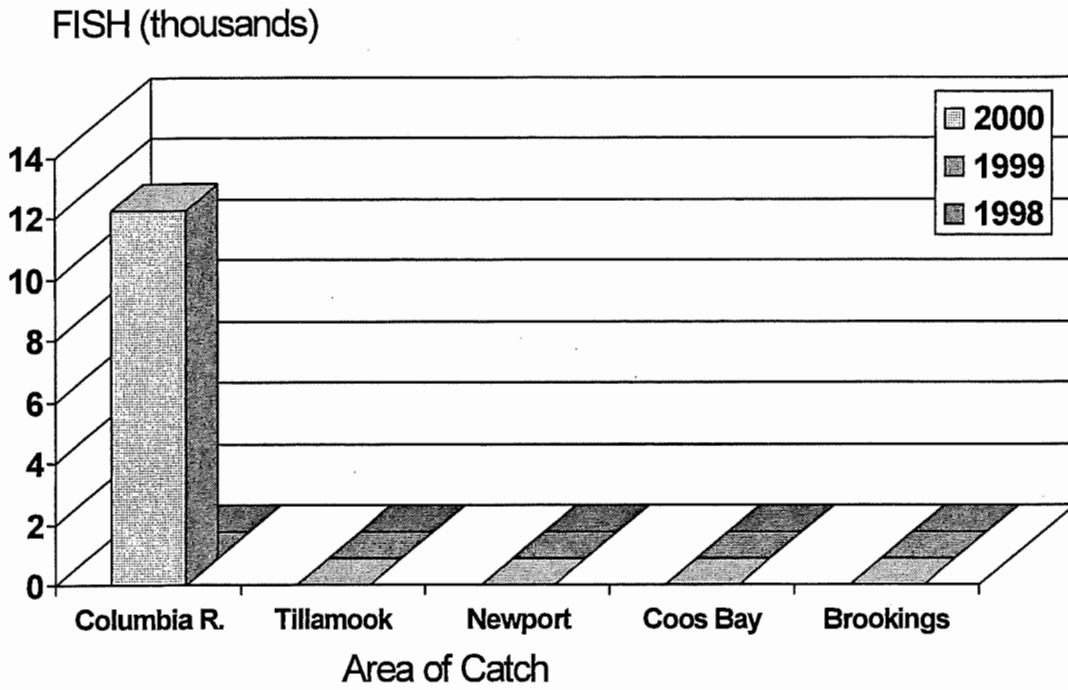


Figure 6. Oregon commercial ocean troll coho landings by area of catch and by month, 1998-2000.

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, 2000.

Area of Landing	Month									Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
<u>Columbia R. (2)</u>										
Numbers	-	9	236	-	1,928	72	-	-	-	2,245
Pounds	-	100	3,164	-	21,181	921	-	-	-	25,366
Ave. wt.	-	11.1	13.4	-	11.0	12.8	-	-	-	11.3
<u>Tillamook (3)</u>										
Numbers	1	225	3,553	778	5,800	1,598	4,156	9	-	16,120
Pounds	10	2,777	42,418	9,728	51,110	16,563	37,777	167	-	160,550
Ave. wt.	10.0	12.3	11.9	12.5	8.8	10.4	9.1	18.6	-	10.0
<u>Newport (4)</u>										
Numbers	595	4,554	4,188	5,855	13,454	15,625	4,711	29	-	49,011
Pounds	8,483	59,006	55,729	74,285	151,446	150,866	43,460	385	-	543,660
Ave. wt.	14.3	13.0	13.3	12.7	11.3	9.7	9.2	13.3	-	11.1
<u>Coos Bay (5)</u>										
Numbers	591	1,524	1,487	15,122	26,983	14,075	3,649	1,317	430	65,178
Pounds	6,917	19,380	20,912	174,885	298,067	121,689	36,488	18,704	5,770	702,812
Ave. wt.	11.7	12.7	14.1	11.6	11.0	8.6	10.0	14.2	13.4	10.8
<u>Brookings (6)</u>										
Numbers	-	21	-	-	1,405	1,179	861	-	-	3,466
Pounds	-	223	-	-	16,343	11,574	15,625	-	-	43,765
Ave. wt.	-	10.6	-	-	11.6	9.8	18.1	-	-	12.6
<u>Oregon Subtotal</u>										
Numbers	1,187	6,333	9,464	21,755	49,570	32,549	13,377	1,355	430	136,020
Pounds	15,410	81,486	122,223	258,898	538,147	301,613	133,613	19,256	5,770	1,476,153
Ave. wt.	13.0	12.9	12.9	11.9	10.9	9.3	10.0	14.2	13.4	10.9
<u>Alaska (8)</u>										
Numbers	-	-	-	-	-	-	-	-	-	-
Pounds	-	-	-	-	-	-	-	-	-	-
Ave. wt.	-	-	-	-	-	-	-	-	-	-
<u>Washington (1)</u>										
Numbers	-	215	222	-	-	-	-	-	-	437
Pounds	-	2,652	2,351	-	-	-	-	-	-	5,003
Ave. wt.	-	12.3	10.6	-	-	-	-	-	-	11.4
<u>California (7)</u>										
Numbers	-	-	-	124	-	-	-	-	-	124
Pounds	-	-	-	1,302	-	-	-	-	-	1,302
Ave. wt.	-	-	-	10.5	-	-	-	-	-	10.5
<u>Total</u>										
Numbers	1,187	6,548	9,686	21,879	49,570	32,549	13,377	1,355	430	136,581
Pounds	15,410	84,138	124,574	260,200	538,147	301,613	133,613	19,256	5,770	1,482,458
Ave. wt.	13.0	12.8	12.9	11.9	10.9	9.3	10.0	14.2	13.4	10.9

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, 2000.

Area of Landing	Month					Total
	June	July	Aug.	Sept.	Oct.	
<u>Columbia R. (2)</u>						
Numbers	-	-	11,472	786	-	12,258
Pounds	-	-	67,621	5,173	-	72,794
Ave. wt.	-	-	5.9	6.6	-	5.9
<u>Tillamook (3)</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Ave. wt.	-	-	-	-	-	-
<u>Newport (4)</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Ave. wt.	-	-	-	-	-	-
<u>Coos Bay (5)</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Ave. wt.	-	-	-	-	-	-
<u>Brookings (6)</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Ave. wt.	-	-	-	-	-	-
<u>Oregon Subtotal</u>						
Numbers	-	-	11,472	786	-	12,258
Pounds	-	-	67,621	5,173	-	72,794
Ave. wt.	-	-	5.9	6.6	-	5.9
<u>Alaska (8)</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Ave. wt.	-	-	-	-	-	-
<u>Washington (1)</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Ave. wt.	-	-	-	-	-	-
<u>California (7)</u>						
Numbers	-	-	-	-	-	-
Pounds	-	-	-	-	-	-
Ave. wt.	-	-	-	-	-	-
<u>Total</u>						
Numbers	-	-	11,472	786	-	12,258
Pounds	-	-	67,621	5,173	-	72,794
Ave. wt.	-	-	5.9	6.6	-	5.9

THE DOLLAR VALUE OF OCEAN SALMON LANDINGS

The 2000 Oregon troll chinook landings had an ex-vessel value of \$2,992,000. This was a 213% increase from the \$1,404,600 ex-vessel value in 1999. The 2000 average price of \$2.01 per pound was up 4% from the 1999 average price of \$1.94 per pound (values are not corrected for inflation) (Appendix Table 8).

CODED WIRE TAG SAMPLING

In 2000, OSM samplers examined 35,638 chinook (26%) from the troll fishery for CWTs (Table 6), of which 4.7% or 1,670 chinook were marked (adipose fin clipped). Technicians recovered readable tags from 1,428 snouts (86%). Most of the recovered CWTs were released by ODFW (34%), Hoopa Valley Tribe – Klamath River (14%), US Fish and Wildlife Service (13%), Washington Department of Fish and Wildlife (11%), California Department of Water Resources (9%), and California Department of Fish and Game (8%). Most of the recovered CWTs were from releases in California's Sacramento/ San Joaquin Basin (32%), Oregon Coastal streams (25%), Klamath Basin (17%), and the Columbia Basin (16%) (Figure 7).

The Elk River fall chinook stock has a very high tag rate, and contributes a disproportionately high number of CWTs. The sampling in this fishery from October-December in 2000 accounted for only 2% of the chinook sampled for CWTs, and only 2% of the total Oregon troll chinook landings, yet 287 CWTs were collected (20% of the coastwide total). The 287 CWTs included 282 Elk River tags, which were 83% of all Elk River tags recovered in the Oregon troll fishery in 2000, and 81% of all Oregon coastal chinook CWTs recovered.

OSM samplers in 2000 also examined 6,693 coho (56%) taken in the troll selective coho fishery for the presence of CWTs (Table 7). A total of 406 snouts were recovered, and technicians recovered readable CWTs from 396 snouts (98%). The majority of the recovered CWTs were released by Washington Department of Fish and Wildlife (68%), Oregon Department of Fish and Wildlife (15%), and US Fish and Wildlife Service (9%). The basins contributing the most CWTs were the Columbia River (74%) and Washington Coastal basins (17%) (Figure 7).

Table 6. Oregon ocean commercial troll chinook mark sampling by statistical month and port of landing, 2000.

Port of Landing	Month									Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
<u>Astoria</u>										
No. Examined	0	0	0	0	1,010	32	0	0	0	1,042
No. Landed	264	24	1,987	145	2,448	357	3,413	0	0	8,638
% Examined	0	0	0	0	41	9	0	0	0	12
No. Marks	0	0	0	0	80	1	0	0	0	81
<u>Gearhart/Seaside</u>										
No. Examined	0	0	0	0	0	0	0	0	0	0
No. Landed	0	0	0	0	45	0	0	0	0	45
% Examined	0	0	0	0	0	0	0	0	0	0
No. Marks	0	0	0	0	0	0	0	0	0	0
<u>Garibaldi</u>										
No. Examined	0	67	958	23	596	247	288	0	0	2,179
No. Landed	1	163	1,803	173	5,222	1,157	1,345	14	0	9,878
% Examined	0	41	53	13	11	21	21	0	0	22
No. Marks	0	4	35	1	27	18	20	0	0	105
<u>Pacific City</u>										
No. Examined	0	0	0	0	0	0	0	0	0	0
No. Landed	0	0	17	2	1	15	1	0	0	36
% Examined	0	0	0	0	0	0	0	0	0	0
No. Marks	0	0	0	0	0	0	0	0	0	0
<u>Depoe Bay</u>										
No. Examined	0	0	0	0	0	0	0	0	0	0
No. Landed	0	0	0	0	128	115	5	0	0	248
% Examined	0	0	0	0	0	0	0	0	0	0
No. Marks	0	0	0	0	0	0	0	0	0	0
<u>Newport</u>										
No. Examined	86	837	1,521	1,254	4,790	5,578	1,424	18	0	15,508
No. Landed	392	4,111	6,108	5,130	14,050	13,926	4,067	18	0	47,802
% Examined	22	20	25	24	34	40	35	100	0	32
No. Marks	5	51	63	54	168	172	49	0	0	562
<u>Florence</u>										
No. Examined	0	31	60	162	908	1,181	0	0	0	2,342
No. Landed	34	216	114	1,178	2,435	1,805	12	0	0	5,794
% Examined	0	14	53	14	37	65	0	0	0	40
No. Marks	0	2	2	9	38	44	0	0	0	95

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	109	16	56	335	65	0	0	0	581
No. Landed	93	230	161	3,125	3,626	1,060	42	13	0	8,350
% Examined	0	47	10	2	9	6	0	0	0	7
No. Marks	0	5	2	1	9	3	0	0	0	20
<u>Charleston</u>										
No. Examined	46	448	517	3229	3012	3064	538	1	0	10,855
No. Landed	648	1,074	1,419	8,324	19,061	10,411	2,195	28	0	43,160
% Examined	7	42	36	39	16	29	25	4	0	25
No. Marks	1	14	15	111	132	144	16	0	0	433
<u>Bandon</u>										
No. Examined	0	0	0	0	34	0	0	0	0	34
No. Landed	17	182	261	1,412	872	426	6	0	0	3,176
% Examined	0	0	0	0	4	0	0	0	0	1
No. Marks	0	0	0	0	0	0	0	0	0	0
<u>Port Orford</u>										
No. Examined	0	0	0	6	250	411	416	312	72	1,467
No. Landed	1	24	0	54	986	949	1,042	1,493	367	4,916
% Examined	0	0	0	11	25	43	40	21	20	30
No. Marks	0	0	0	0	15	9	189	100	13	326
<u>Gold Beach</u>										
No. Examined	0	16	0	0	2	0	0	0	0	18
No. Landed	1	17	0	85	7	156	70	0	0	336
% Examined	0	94	0	0	29	0	0	0	0	5
No. Marks	0	0	0	0	0	0	0	0	0	0
<u>Brookings</u>										
No. Examined	0	0	0	0	882	177	553	0	0	1,612
No. Landed	0	4	4	277	2,456	444	853	0	0	4,038
% Examined	0	0	0	0	36	40	65	0	0	40
No. Marks	0	0	0	0	26	7	15	0	0	48
<u>Total</u>										
No. Examined	132	1,508	3,072	4,730	11,819	10,755	3,219	331	72	35,638
No. Landed	1,451	6,045	11,874	19,905	51,337	30,821	13,051	1,566	367	136,417
% Examined	9	25	26	24	23	35	25	21	20	26
No. Marks	6	76	117	176	495	398	289	100	13	1,670

Table 7. Oregon ocean commercial troll coho mark sampling by statistical month and port of landing, 2000.

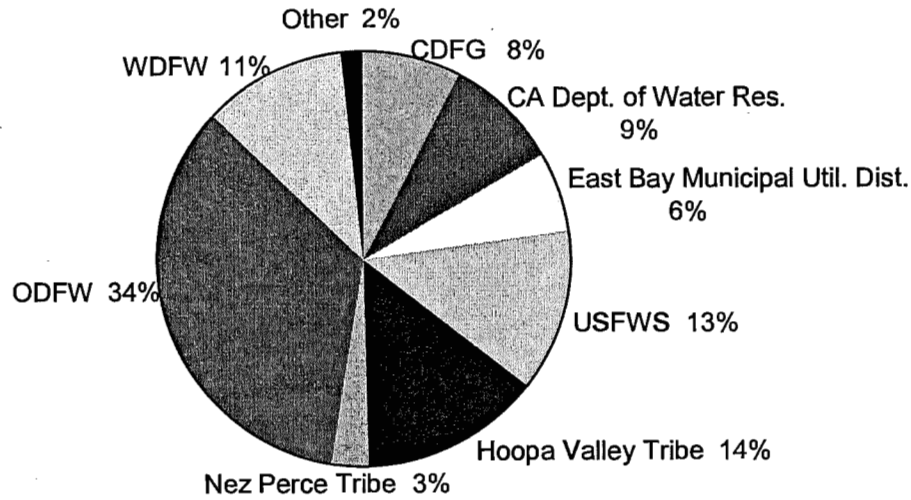
Port of Landing	Month									Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
<u>Astoria</u>										
No. Examined	-	-	-	-	6,335	358	-	-	-	6,693
No. Landed	-	-	-	-	11,229	614	-	-	-	11,843
% Examined	-	-	-	-	56	58	-	-	-	57
No. Marks	-	-	-	-	373	33	-	-	-	406
<u>Gearhart/Seaside</u>										
No. Examined	-	-	-	-	0	0	-	-	-	0
No. Landed	-	-	-	-	184	0	-	-	-	184
% Examined	-	-	-	-	0	0	-	-	-	0
No. Marks	-	-	-	-	0	0	-	-	-	0
<u>Garibaldi</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0
No. Marks	-	-	-	-	-	-	-	-	-	0
<u>Pacific City</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0
No. Marks	-	-	-	-	-	-	-	-	-	0
<u>Depoe Bay</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0
No. Marks	-	-	-	-	-	-	-	-	-	0
<u>Newport</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	0
No. Marks	-	-	-	-	-	-	-	-	-	0
<u>Florence</u>										
No. Examined	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	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
No. Marks	-	-	-	-	-	-	-	-	-	-	0
<u>Charleston</u>											
No. Examined	-	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	-	0
No. Marks	-	-	-	-	-	-	-	-	-	-	0
<u>Bandon</u>											
No. Examined	-	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	-	0
No. Marks	-	-	-	-	-	-	-	-	-	-	0
<u>Port Orford</u>											
No. Examined	-	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	-	0
No. Marks	-	-	-	-	-	-	-	-	-	-	0
<u>Gold Beach</u>											
No. Examined	-	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	-	0
No. Marks	-	-	-	-	-	-	-	-	-	-	0
<u>Brookings</u>											
No. Examined	-	-	-	-	-	-	-	-	-	-	0
No. Landed	-	-	-	-	-	-	-	-	-	-	0
% Examined	-	-	-	-	-	-	-	-	-	-	0
No. Marks	-	-	-	-	-	-	-	-	-	-	0
<u>Total</u>											
No. Examined	0	0	0	0	6,335	358	0	0	0	0	6,693
No. Landed	0	0	0	0	11,413	614	0	0	0	0	12,027
% Examined	0	0	0	0	56	58	0	0	0	0	56
No. Marks	0	0	0	0	373	33	0	0	0	0	406

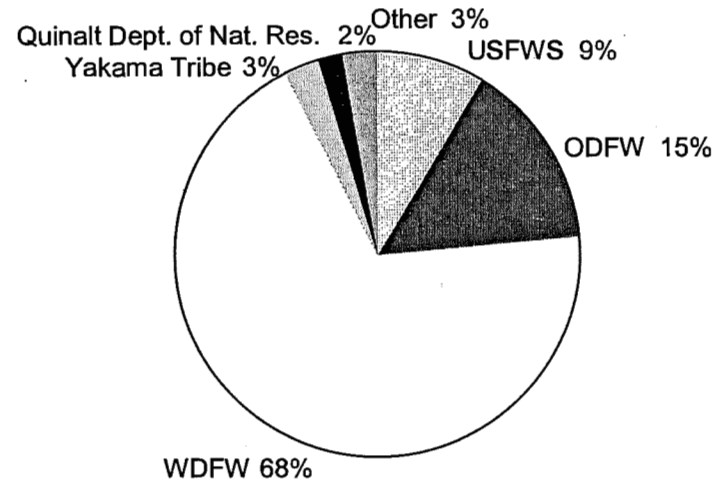
Chinook

RELEASE AGENCY



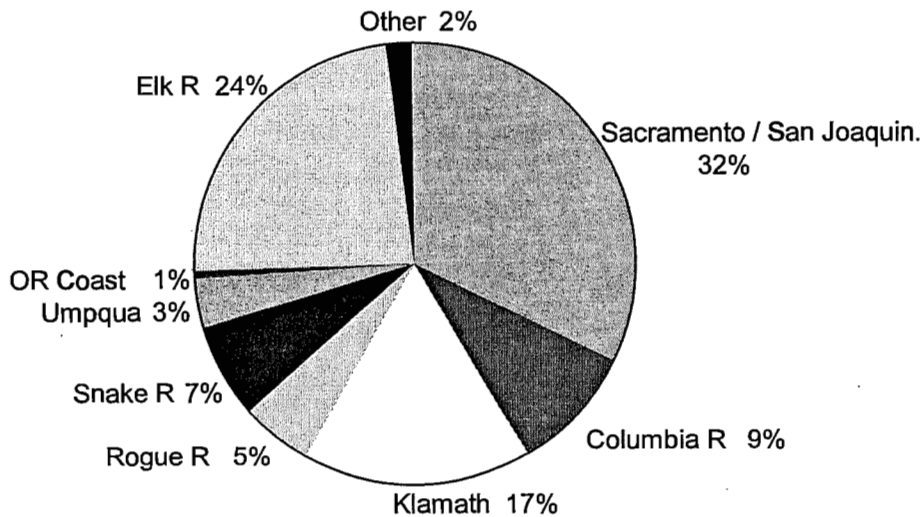
Coho

RELEASE AGENCY



24

BASIN OF RELEASE



BASIN OF RELEASE

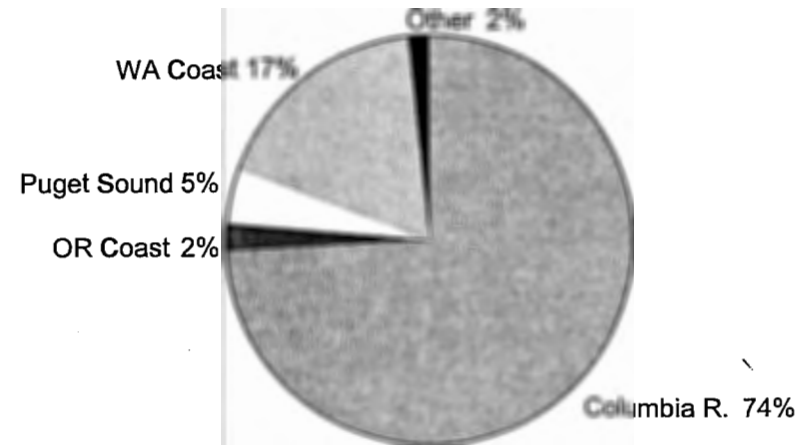


Figure 7. Observed recoveries of chinook (N=1,428) and coho (N=396) coded wire tags from Oregon commercial ocean troll salmon landings by release agency and basin of release, 2000. Note: Does not represent stock contribution rates since tagging is not representative of all stocks.

SPECIAL FISHERIES AND STUDIES

Tillamook State Waters Chinook Fishery

A terminal ocean troll fishery designed to target returning healthy fall chinook stocks to tributaries of Tillamook Bay (Miami, Kilchis, Wilson, Trask, and Tillamook rivers), is a two week extension of the general ocean troll season. Weather conditions at this time of year often are marginal. During the 2000 November troll season extension off Tillamook, a total of 9 chinook were landed. No coded wire tags were recovered.

Elk River State Waters Chinook Fishery

A terminal ocean troll fishery designed to target returning Elk River fall chinook salmon opened immediately following the end of the general season. This fishery 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 1,317 chinook were landed in Port Orford during the month of November averaging 14.2 pounds, with an additional 430 chinook landed in December at an average of 13.4 pounds (Table 8). In the October portion of the general season just prior to the state waters fishery, an additional 1,155 chinook were landed with an average weight of 13.7 pounds. During the October through November fishery, there were 302 snouts collected from the 800 chinook that were examined for fin clips (38% mark rate). There were a total of 287 readable tags recovered (95%). All except five 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 Joachin Basin in California (4) and the nearby Rogue River (1). Of the Elk River CWTs recovered, 210 (74%) were three year olds (1997 brood), 31 (11%) were four year olds (1996 brood), 36 (13%) were five year olds (1995 brood), and there were 5 (2%) six year olds (1994 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 16 through 28. This fishery was open within state waters (0-3 miles) in the area between Goat Island and 42° 01' 20" N. Lat., had a quota of 1,000 chinook, daily landing limit of 20 chinook per vessel, and all fish were required to be landed into Brookings.

A total of 861 chinook were landed averaging 18.1 pounds (Table 8). Samplers examined 553 chinook (64%) and recovered 15 snouts from adipose fin-clipped

chinook (3% mark rate) 13 of which contained readable CWTs. Chetco River releases accounted for 9 of the CWTs and the remaining 4 included 2 from the Sacramento Basin in California, 1 from Hunter Creek, and 1 from Elk River. Of the Chetco River CWTs, there were 5 three year olds (1997 brood), 1 four year old (1996 brood), and 3 five year olds (1995 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, 2000.

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			
45	2	9	167	0	0	0.0				
Totals	2	9	167	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	Rogue River	Central Valley, CA
41	19	149	1,830	38	13	25.5	1	0	12	0	0
42	42	368	4,508	145	73	39.4	2	1	68	1	1
43	38	254	3,544	171	82	67.3	4	0	78	0	0
44	40	271	4,464	62	21	22.9	1	0	20	0	0
45	58	615	8,082	93	30	15.1	3	0	26	0	1
46	56	452	6,554	126	44	27.9	3	0	40	0	1
47	25	122	1,884	42	7	34.4	0	0	7	0	0
48	12	117	1,774	25	11	21.4	0	0	11	0	0
49	23	187	2,826	26	8	13.9	0	0	8	0	0
50	41	367	4,828	72	13	19.6	0	0	12	0	1
Totals	354	2,902	40,294	800	302	27.6	14	1	282	1	4

Chetco Terminal Ocean Commercial Troll Chinook Fishery

Statistical Week	Number of Tickets	Number Landed	Pounds Landed	Number Sampled	Number Marked	Percent Sampled	No tag	Coded Wire Tags by Basin			
								Chetco R.	Feather R., CA	Hunter Cr.	Elk River
43	41	307	5,693	194	5	63.2	0	5	0	0	0
44	77	554	9,932	359	10	64.8	2	4	2	1	1
Totals	118	861	15,625	553	15	64.2	2	9	2	1	1

THE 2000 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*) with chinook salmon (*Oncorhynchus tshawytscha*) a distant second. 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 2000 seasons resulted in an estimated ocean catch of 25,466 chinook and 33,182 coho from 78,579 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 1966-2000 ^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
1979-99 average	173,956	223,843	141,839	21,968	602 ^b	0.95
2000	78,579	156,199	33,182	25,466	0	0.75

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

^b Odd year average

SAMPLING METHODOLOGY

Sampling areas and staffing

Thirty-one seasonal employees were hired to fill twenty-five separate positions to sample the ocean recreational fishery at twelve coastal ports in 2000 (Appendix Table 1). This included ten seasonal employees who were combination commercial troll/recreational samplers. The two sampling coordinators also provided sampling backup. An additional two seasonal employees were hired to fill two at-sea observer positions to monitor the selective coho fishery.

In the major ports of Depoe Bay, Newport, Charleston (started January 24), and Brookings sampling of the ocean recreational fishery has been occurring year-round as part of a special study to evaluate marine fish harvest. In Garibaldi, sampling began in early April. In Pacific City, Florence, Winchester Bay, Bandon, and Gold Beach sampling began by the start of May. Port Orford sampling started in late May, and Astoria sampling began in late June. Some of the sampling was supported by other funds such as ocean sport halibut license fees to assist monitoring of the concurrent halibut season. 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).

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 2000, 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 weather/ocean conditions 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 on the Department's Unisys computer (Portland) by 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 27,498 salmon in 2000 compared to 9,480 in 1999. Catch sampling rates in 2000 ranged from a high of 90% at Florence, to a low of 34% at Brookings. Samplers checked 47% of the total ocean recreational salmon catch in 2000 as compared to 44% in 1999 (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 2000 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.

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

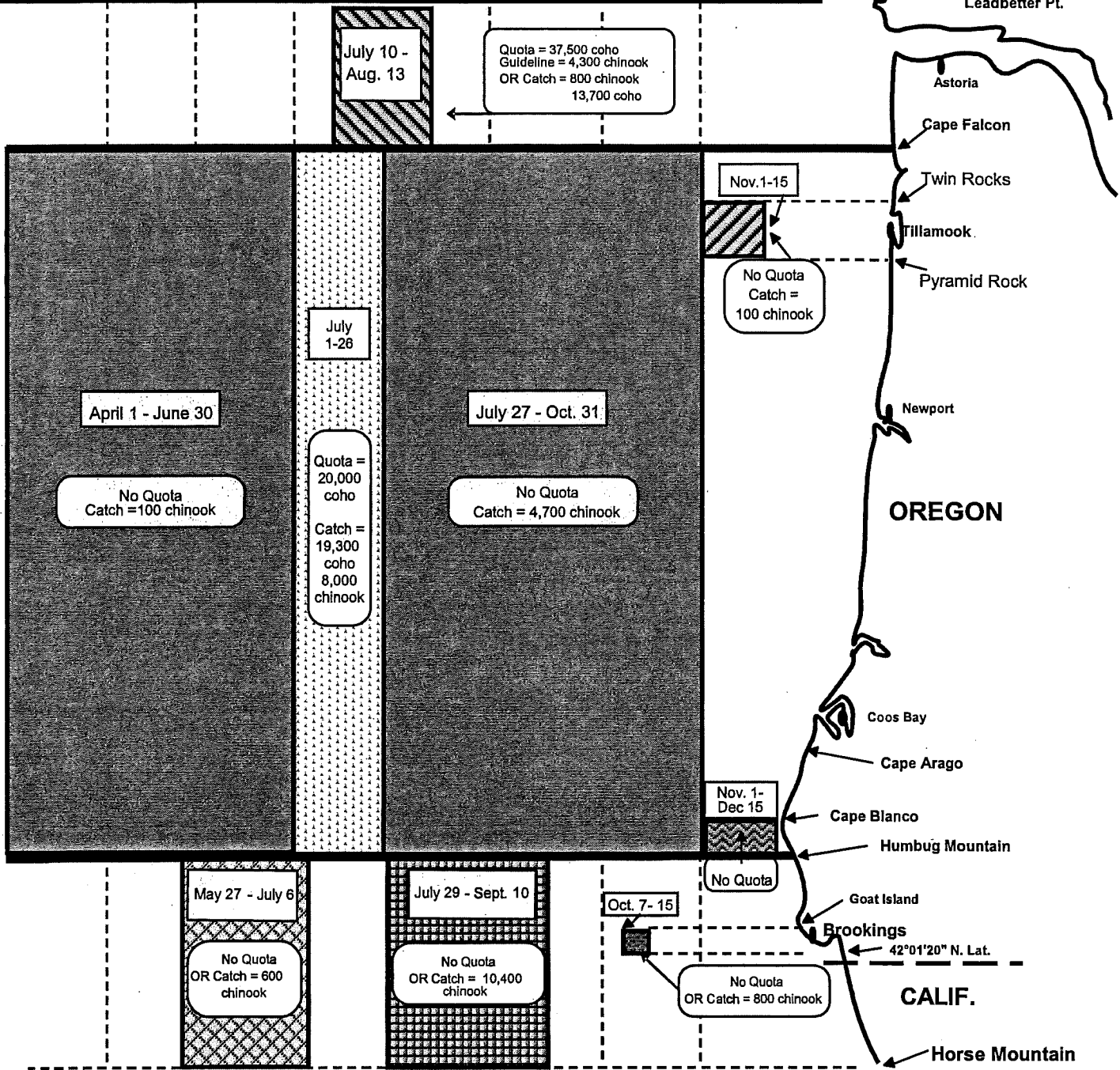


Figure 8. Ocean recreational salmon seasons, quotas, and landings, 2000.

North of Cape Falcon

An all species salmon season was adopted for the area from Leadbetter Point, Washington to Cape Falcon, Oregon to open July 10 and continue through the earlier of September 30 or the quota of 37,500 adipose fin-clipped coho. In addition, there was a chinook catch guideline for the area of 4,300 fish. The season was open Sunday through Thursday of each week. 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 retention of coho salmon beginning August 1. The season ended August 13 when the quota was attained. Just prior to the closure, there was a transfer of 1,000 chinook to the commercial troll fishery in exchange for 3,400 coho for the Columbia River ocean area recreational fishery and 600 coho for the Westport, Washington ocean area. Oregon catches in this fishery totaled 766 chinook and 13,722 coho.

Cape Falcon to Humbug Mountain

The all salmon except coho season was scheduled to run from April 1 through June 30, 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: Bait must be 6" or larger (excluding hooks and swivels); no more than two single point, single shank barbless hooks; divers were prohibited; and flashers were allowed only with a downrigger (note variances in the Tillamook area). There were no chinook quotas in this 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 4,909 chinook were taken, and 86 illegal coho were landed.

The coho selective fishery was scheduled to run from July 1 through the earlier of attainment of the 20,000 fish coho quota or July 31. Fishing was open Saturday, Sunday, Tuesday, Wednesday, and Thursday of each week. The bag limit was two salmon per day, and all coho must have a healed adipose fin clip and be at least 16 inches in total length. On the closed days, the ocean was closed to all salmon fishing. During selective fishery, gear restrictions were lifted except the two single point, single shank barbless hooks limitation was left in place. The selective coho fishery ended on July 26. Landings during the coho selective fishery totaled an estimated 7,971 chinook and 19,323 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 2000, the control zone was open for salmon fishing only for the following periods: April 1 through 30, on days open for the selective coho fishery, and September 16 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 limitations: Bait must be 6" or larger (excluding hooks and swivels); no more than two single point, single shank hooks (barbed hooks were allowed); divers were prohibited; and flashers were allowed only when used in conjunction with a downrigger. Special bag limits under a split season were also in effect in this area. For the period of April 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 27 through July 6, and July 29 through September 10. 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 one salmon per day through July 6 and two salmon per day from July 29 on, and no more than 4 salmon in 7 consecutive days for both halves of the season. 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 2000. Gear was restricted to no more than two single point, barbless hooks. Total Oregon landings during the general season were estimated at 11,008 chinook and 61 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) season 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 63 chinook were landed in this season.

November Fishery off Port Orford: This state waters (0-3 miles) chinook 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 Goat Island and the latitude of 42° 01' 20" N. The season was open October 7 through 15 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 810 chinook were caught during this season in 2000.

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 77,620 fishing trips for species other than salmon were taken by anglers in 2000 (Table 10). The total combined 2000 salmon and bottomfishing effort of 156,199 angler trips was up 15% from the 135,960 trips in 1999, but was still 30% below the 1971-99 average of 223,843 angler trips (Table 9).

In 2000, 78,579 angler trips (50%) targeted salmon coastwide. Salmon angler trips in 2000 climbed 59% from the 1999 season totals, and were the most salmon angler trips since 1993. However, salmon effort in 2000 was still only 45% of the 1979-99 average.

July was the peak month for salmon effort in 2000 with 33,031 salmon angler trips or 42% of the total (Table 10 and Figure 9). August was the top month for bottomfishing effort with 18,308 angler trips (Table 10, Figures 9 and 11, and Appendix Table 11).

Brookings recorded the most total angler trips (35,049 salmon and bottomfishing trips combined) and also the most salmon fishing effort in 2000 with 21,543 angler trips or

Table 10. Oregon ocean recreational effort in angler trips by port, by statistical month and by trip type^a, 2000.

Port/Trip Type	Month								Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Astoria	0	0	0	3,978	4,446	0	0	0	8,424
Salmon	0	0	0	3,966	4,446	0	0	0	8,412
Non-salmon	0	0	0	12	0	0	0	0	12
Garibaldi	630	3,492	2,558	3,958	3,441	4,662	3,345	250	22,336
Salmon	14	404	582	1,601	325	3,393	3,176	235	9,730
Non-salmon	616	3,088	1,976	2,357	3,116	1,269	169	15	12,606
Pacific City	9	145	1,027	1,665	779	272	0	0	3,897
Salmon	0	0	410	1,362	66	12	0	0	1,850
Non-salmon	9	145	617	303	713	260	0	0	2,047
Depoe Bay	1,442	2,313	3,477	6,509	5,271	1,829	693	239	21,773
Salmon	0	5	405	3,127	196	118	2	0	3,853
Non-salmon	1,442	2,308	3,072	3,382	5,075	1,711	691	239	17,920
Newport	1,471	5,029	4,155	9,870	4,979	2,419	929	253	29,105
Salmon	4	9	1,174	7,019	719	156	48	0	9,129
Non-salmon	1,467	5,020	2,981	2,851	4,260	2,263	881	253	19,976
Florence	0	63	195	1,197	364	144	0	0	1,963
Salmon	0	3	185	1,192	364	144	0	0	1,888
Non-salmon	0	60	10	5	0	0	0	0	75
Winchester Bay	2	159	980	6,937	3,914	867	0	0	12,859
Salmon	0	56	875	6,872	3,870	795	0	0	12,468
Non-salmon	2	103	105	65	44	72	0	0	391
Charleston	549	1,364	1,590	6,041	3,900	1,158	259	74	14,935
Salmon	8	19	621	4,808	2,318	134	85	0	7,993
Non-salmon	541	1,345	969	1,233	1,582	1,024	174	74	6,942
Bandon	0	250	308	911	1,181	232	0	0	2,882
Salmon	0	2	48	441	647	57	0	0	1,195
Non-salmon	0	248	260	470	534	175	0	0	1,687
Port Orford	0	27	167	117	198	163	65	0	737
Salmon	0	0	1	5	19	10	21	0	56
Non-salmon	0	27	166	112	179	153	44	0	681
Gold Beach	0	104	121	845	965	204	0	0	2,239
Salmon	0	0	9	68	361	24	0	0	462
Non-salmon	0	104	112	777	604	180	0	0	1,777
Brookings	1,122	1,743	5,273	6,468	13,750	2,878	3,555	260	35,049
Salmon	0	184	2,582	2,570	11,549	1,453	3,205	0	21,543
Non-salmon	1,122	1,559	2,691	3,898	2,201	1,425	350	260	13,506
Total	5,225	14,689	19,851	48,496	43,188	14,828	8,846	1,076	156,199
Salmon	26	682	6,892	33,031	24,880	6,296	6,537	235	78,579
Non-salmon	5,199	14,007	12,959	15,465	18,308	8,532	2,309	841	77,620

^a Non-salmon effort is estimated only for those time periods when port sampling occurred, and is a total of bottomfish, tuna, dive, and halibut anglers.

ANGLER TRIPS

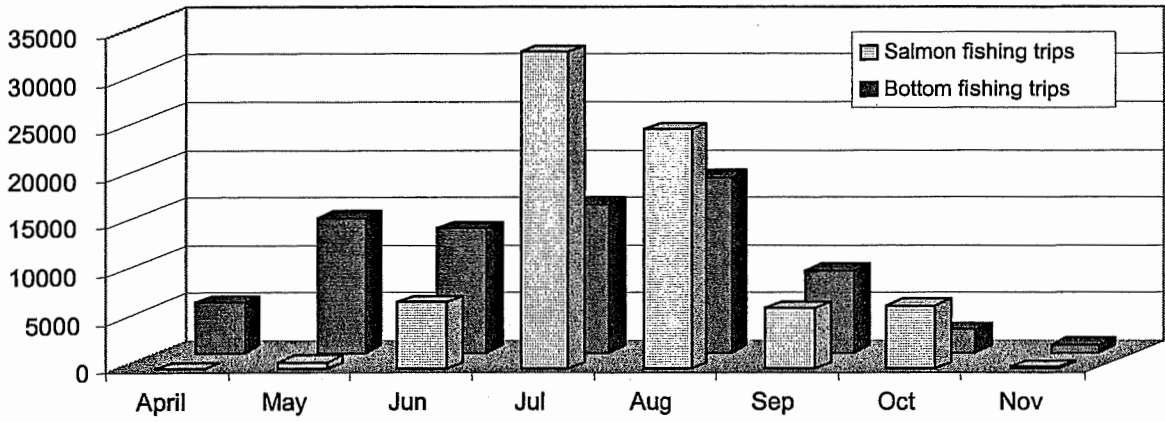


Figure 9. Oregon ocean angler trips by target species during the 2000 salmon season.

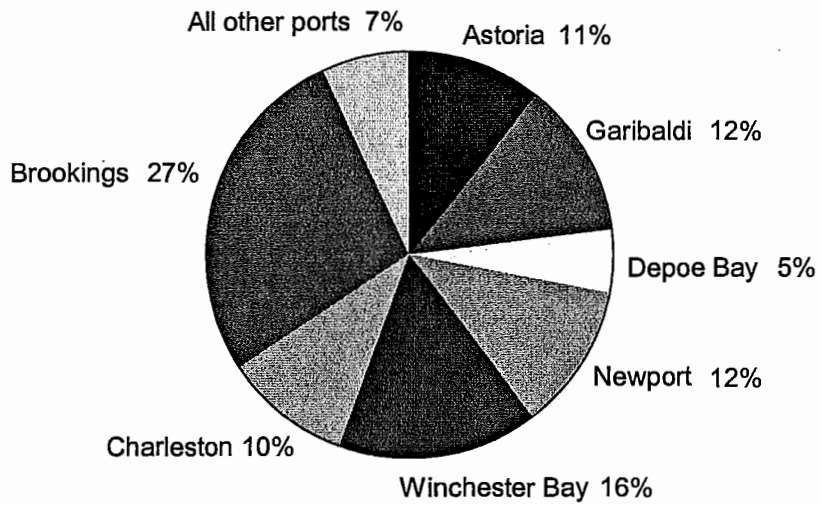
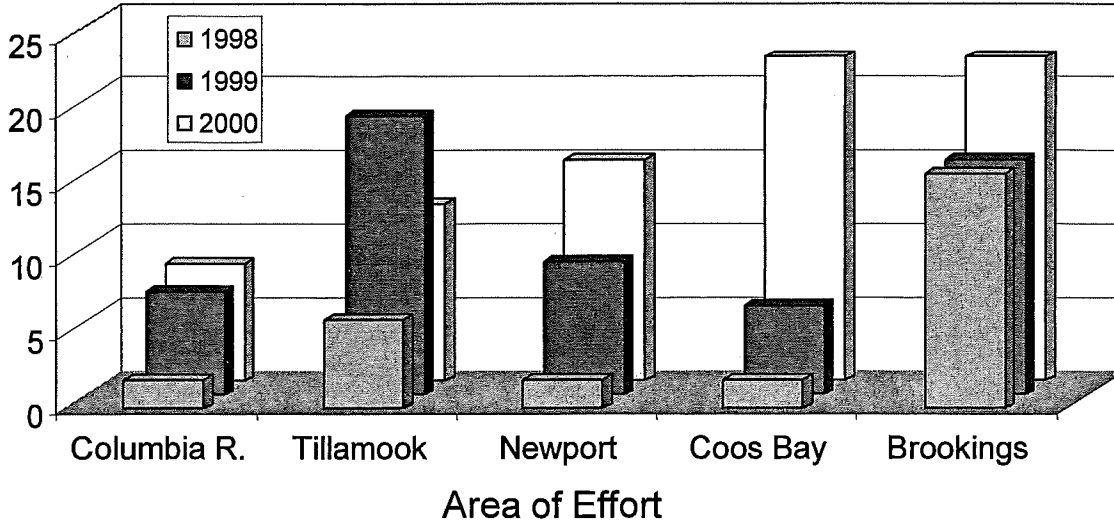


Figure 10. Recreational ocean salmon angler trips by port, 2000.

Effort

ANGLER TRIPS (thousands)



ANGLER TRIPS (thousands)

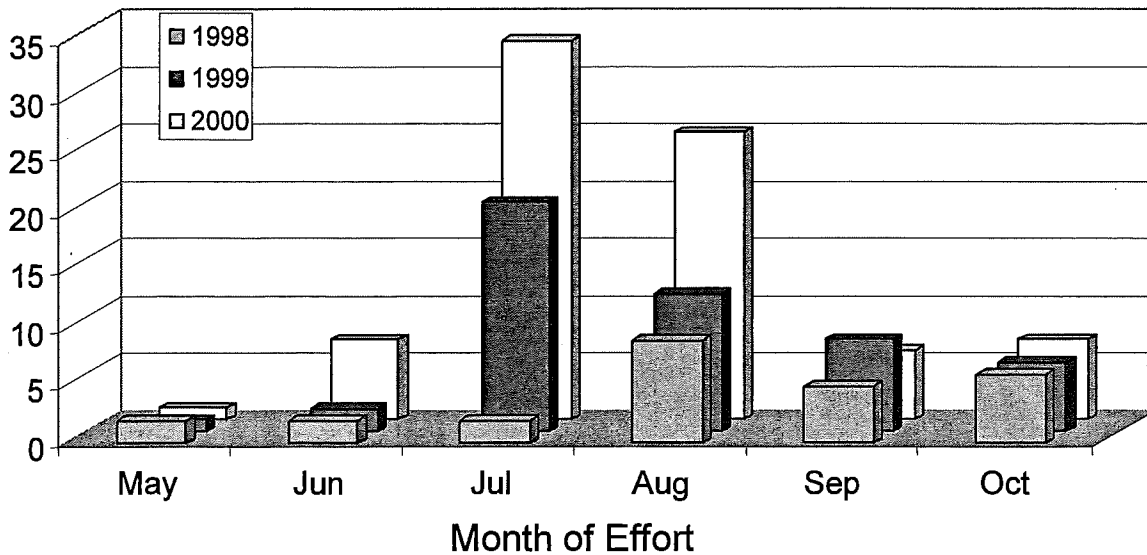


Figure 11. Oregon recreational salmon angler trips by catch area and by month, 1998-2000.

27% of the state's total. Winchester Bay followed with 12,468 salmon angler trips (Figure 10).

Newport had the most bottomfishing activity with 19,976 trips in 2000. Depoe Bay, Brookings, and Garibaldi followed with 17,920, 13,506, and 12,606 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 2000 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 2000 Oregon ocean recreational chinook salmon catch was estimated at 25,466 fish, over three times the 1999 chinook landings of 7,722, and 16% above the 1979-99 average of 21,968 chinook (Tables 9 and 11, and Figure 14). Historical catch patterns are shown in Appendix Tables 13 and 14, and weekly landings for 2000 are available in Appendix Table 15. Brookings anglers caught 11,744 chinook (46%), anglers fishing out of Winchester Bay caught 4,432 chinook (17%), and anglers at Coos Bay brought in 4,078 chinook (16%) (Table 11 and Figure 13). With 11,355 chinook, August was the month with the highest catch, and made up 45% of the chinook landings.

Table 11. Oregon ocean recreational chinook catch by port and month^a, 2000.

Port	Month								Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Astoria	0	0	0	435	331	0	0	0	766
Garibaldi	2	45	35	39	25	506	402	63	1,117
Pacific City	0	0	30	54	4	0	0	0	88
Depoe Bay	0	0	36	144	184	83	1	0	448
Newport	0	9	112	555	268	196	1	0	1,141
Florence	0	0	10	193	32	15	0	0	250
Winchester Bay	0	1	38	3,036	1,007	350	0	0	4,432
Coos Bay	2	8	306	2,869	813	49	31	0	4,078
Bandon	0	0	22	535	706	65	0	0	1,328
Port Orford	0	0	0	0	0	0	0	0	0
Gold Beach	0	0	0	9	64	1	0	0	74
Brookings	0	16	432	2,051	7,921	514	810	0	11,744
Statewide Total	4	79	1,021	9,920	11,355	1,779	1,245	63	25,466

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

FISH (thousands)

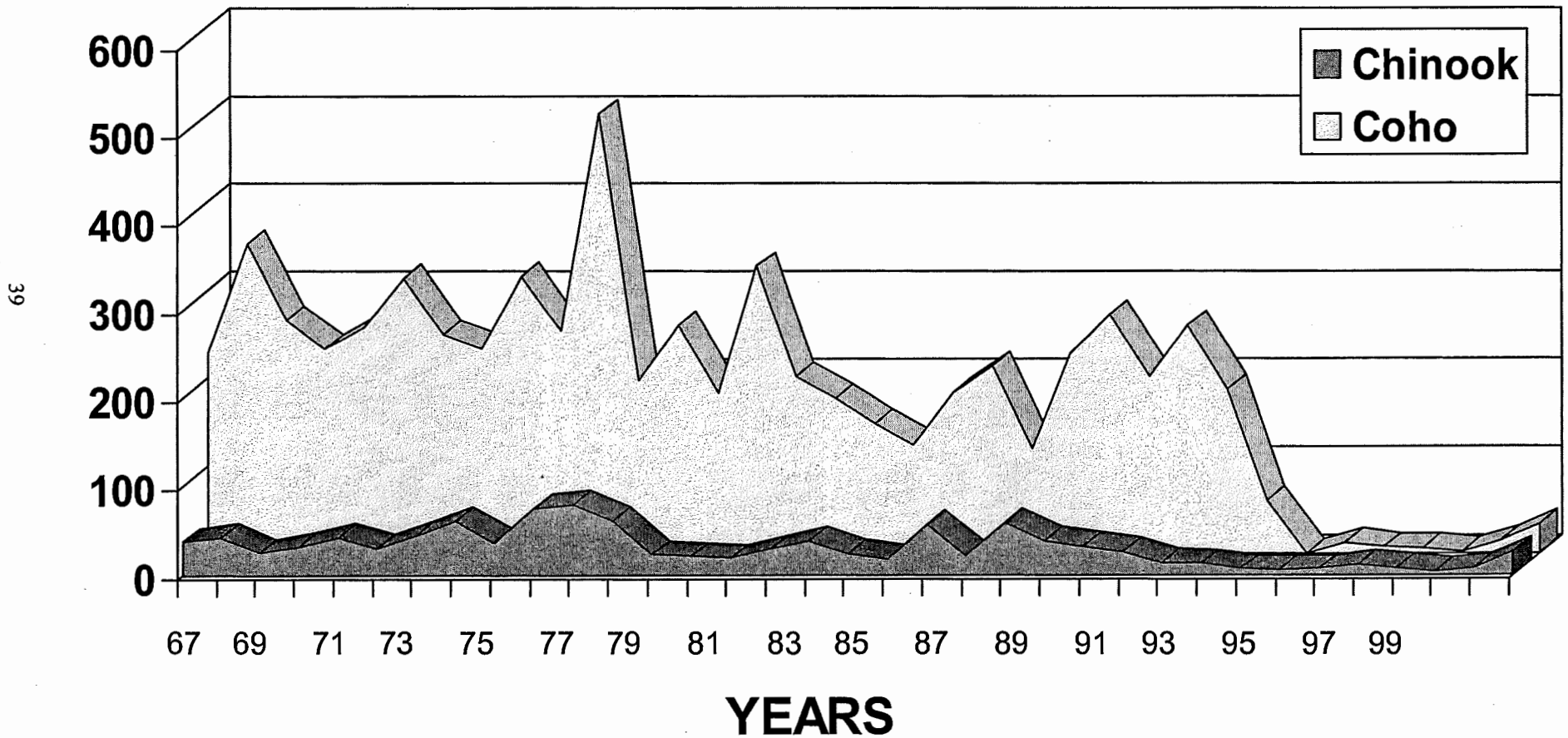
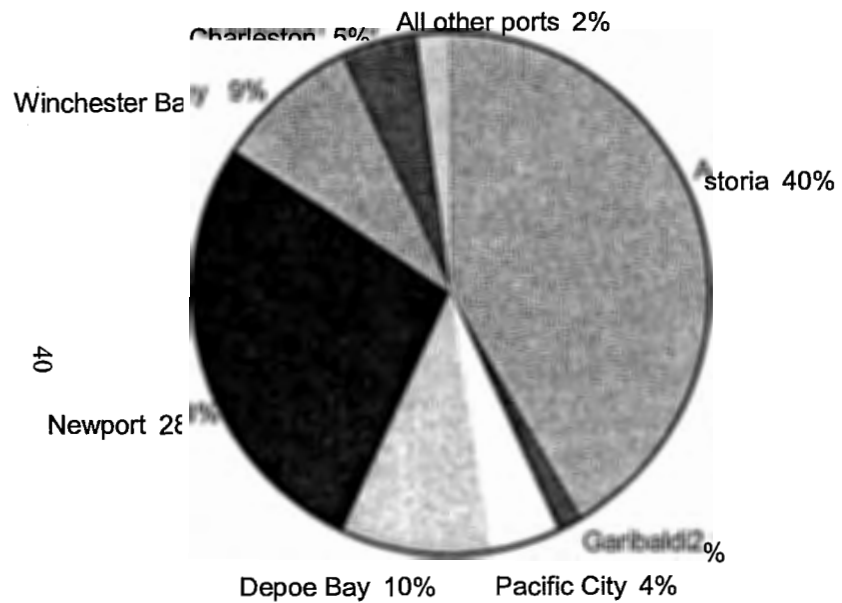


Figure 12. Trends in Oregon's recreational ocean salmon catch, 1966-2000.

Coho



Chinook

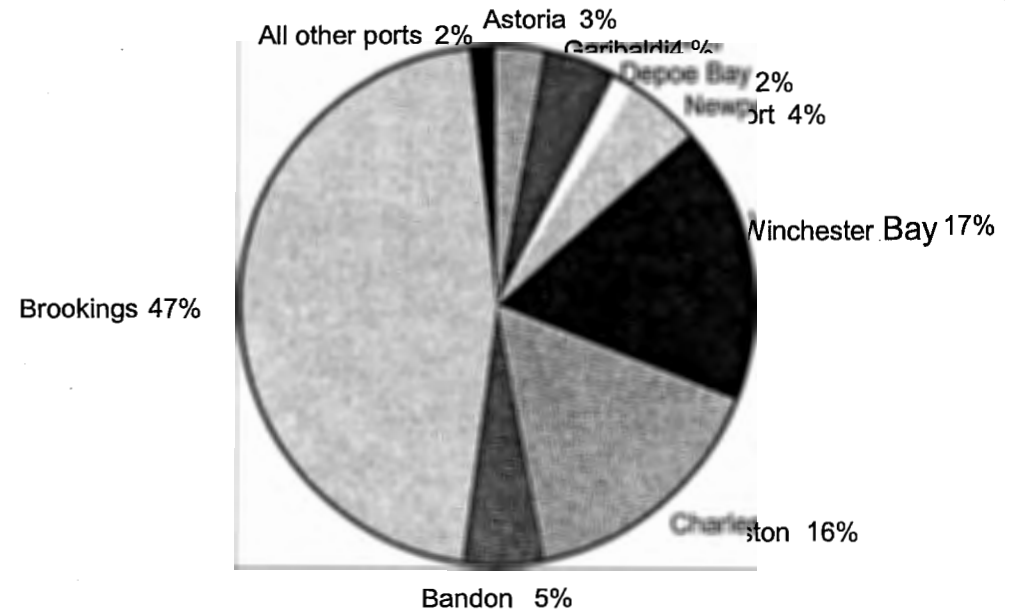
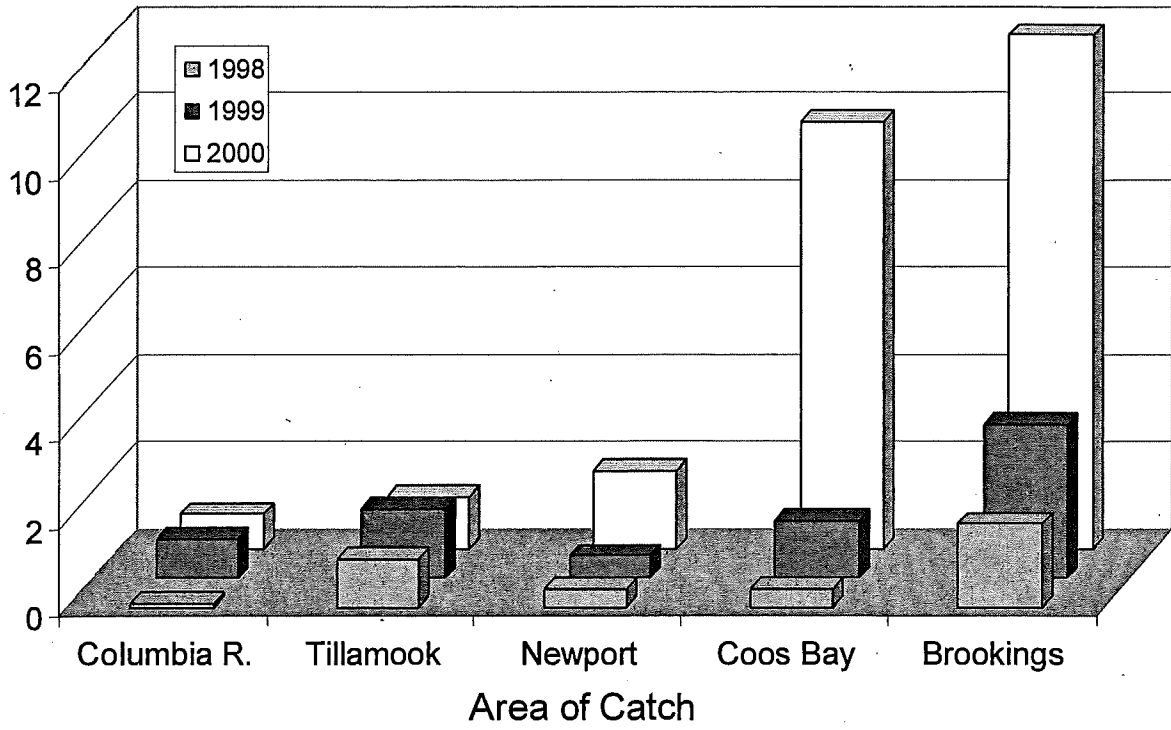


Figure 13. Oregon ocean recreational chinook and coho catch by port, 2000.

Chinook

FISH (thousands)



FISH (thousands)

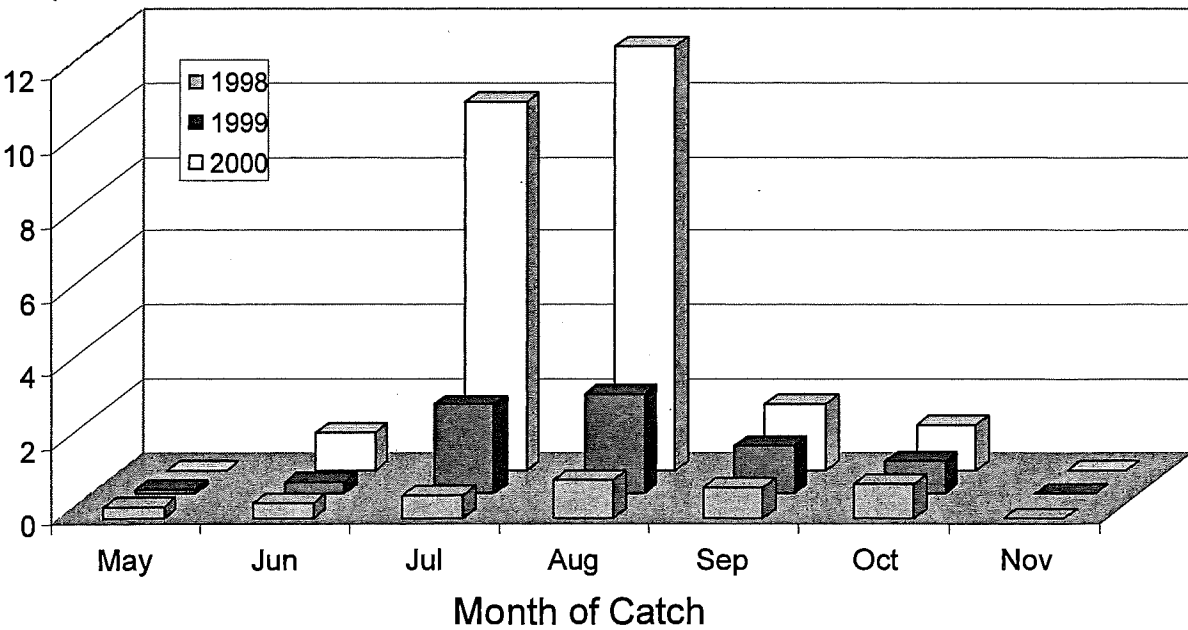


Figure14. Oregon ocean recreational chinook catch by catch area and by month, 1998-2000.

Coho: The recreational harvest of 33,182 coho in 2000 was the largest season total since 1993. However, it was still only 23% of the 1979-99 average of 141,839 coho. Most of the coho were landed in Astoria with 13,712 (41%), and Newport with 9,124 (28%) (Figure 13). July was the month of greatest landings with 24,607 coho (74%) of the catch coming in that month (Table 12, Figure 15), this was due primarily to the season structure with the area from Cape Falcon to Humbug Mt. only open during July (Appendix Tables 13, 16, and 17).

Table 12. Oregon ocean recreational coho catch by port and month^a, 2000.

Port	Month								Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Astoria	0	0	0	6,739	6,973	0	0	0	13,712
Garibaldi	0	0	154	379	0	11 ^b	8 ^b	0	552
Pacific City	0	0	392	1,069	2 ^b	0	0	0	1,463
Depoe Bay	0	0	250	2,921	0	0	0	0	3,171
Newport	0	0	672	8,431	12 ^b	9 ^b	0	0	9,124
Florence	0	0	0	466	6 ^b	0	0	0	472
Winchester Bay	0	0	0	2,864	18 ^b	0	0	0	2,882
Coos Bay	0	0	1	1,624	16 ^b	0	0	0	1,641
Bandon	0	0	0	100	4 ^b	0	0	0	104
Port Orford	0	0	0	0	0	0	0	0	0
Gold Beach	0	0	0	0	0	0	0	0	0
Brookings	0	0	0	14 ^b	47 ^b	0	0	0	61
Statewide Total	0	0	1,469	24,607	7,078	20	8	0	33,182

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

^b Illegal landings

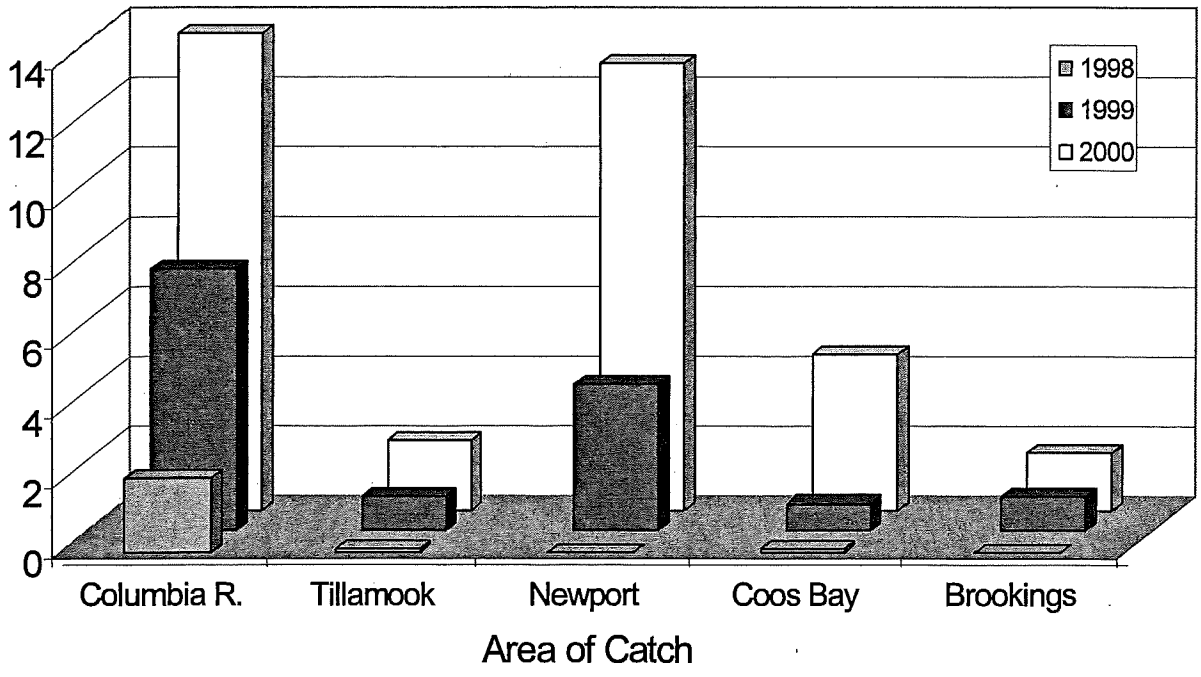
CHARTER/PRIVATE BOAT FISHERIES

Background

Approximately 100 charter boats actively participated in Oregon ocean fisheries in 2000, compared to 88 vessels in 1999. 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. Active vessels have ranged from 158 boats in 1988 to 81 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.

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.

FISH (thousands)



FISH (thousands)

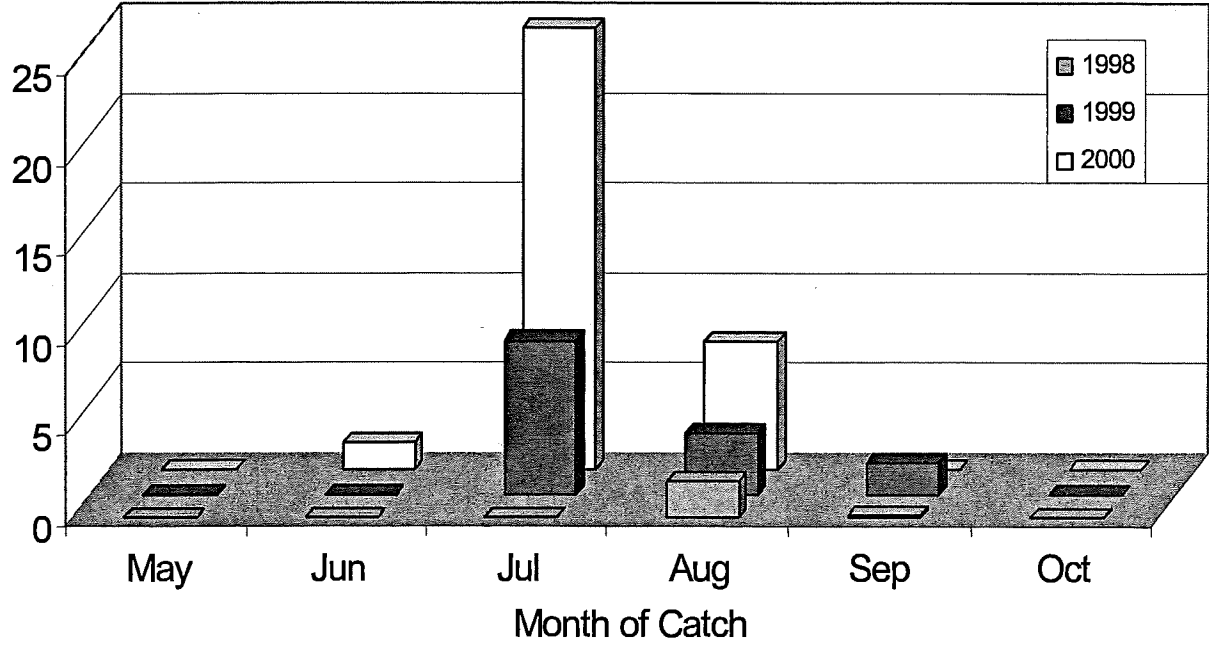


Figure 15. Oregon ocean recreational coho catch by catch area and by month, 1998-2000.

Charter angler effort: The 2000 charter boat effort was estimated at 9,814 salmon and combination angler trips, a 79% increase over the 1999 effort of 5,470 angler trips. Charter anglers made up only 13% of the total ocean salmon trips in 2000. When bottomfishing trips were added in; charters in 2000 accounted for 38% of the total angler trips compared to 44% in 1999 (Tables 13 and 14, Figure 16, and Appendix Table 20).

Newport with 21 boats led the coast with 2,712 salmon and combination angler trips. Depoe Bay with 25 boats had 2,133 salmon and combination angler trips. Winchester Bay with 8 boats accounted for 1,333 salmon and combination angler trips. Depoe Bay and Newport were the two most active charter bottomfishing ports with 16,661 and 14,133 angler trips respectively.

A total of 49,396 charter anglers targeted only bottomfish during our sampling period. An additional 1,070 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 2000 catch of 11,152 salmon by charter anglers was more than two times the 1999 catch of 4,206 salmon. The charter fleet landed 19% of the total recreational salmon catch in 2000, just down from the 20% share seen in 1999 (Table 14, and Figure 16).

The Newport charter fleet caught 3,775 salmon or 34% of the charter salmon landings, while charters out of Astoria took 2,321 salmon (21%). Salmon per charter angler averages ranged from 1.85 in Astoria to 0.28 salmon per angler in Garibaldi. In 2000, the state-wide charter average was 1.14 salmon/angler.

Private boat angler effort: The 2000 salmon effort from private boats was estimated at 68,765 salmon and combination angler trips or 88% of the salmon effort for all boat types. Effort was up more than 50% when compared to the 1999 total of 43,950 salmon angler trips (Tables 13, 14, Figure 16, and Appendix Table 20).

Brookings and Winchester Bay recorded the most private boat effort for salmon in 2000. Brookings had 20,735 salmon and combination angler trips or 30% of the private boat total, followed by Winchester Bay with 11,135 trips (16%).

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 2000 season; 28,224 angler trips or 29% of the private trips targeted only bottomfish, compared to 31,499 angler trips or 42% in 1999. Brookings had the most private bottomfish anglers with 9,713, followed by Newport with 5,843.

Table 13. Oregon ocean recreational salmon effort and catch by boat type^a, 2000.

SALMON CHARTER BOATS ^a					
Port	Boat Trips	Angler Trips	Total Catch		
			Chinook	Coho	Pink
Astoria	151	1,189	123	2,198	0
Garibaldi	73	561	38	121	0
Pacific City	15	66	2	51	0
Depoe Bay	239	2,133	361	1,428	0
Newport	321	2,712	573	3,202	0
Florence	0	0	0	0	0
Winchester Bay	217	1,333	659	375	0
Coos Bay	53	309	286	47	0
Bandon	95	703	1,023	72	0
Port Orford	0	0	0	0	0
Gold Beach	0	0	3 ^c	0	0
Brookings	163	808	590	0	0
Total	1,327	9,814	3,658	7,494	0

SALMON PRIVATE BOATS ^a					
Port	Boat Trips	Angler Trips	Total Catch		
			Chinook	Coho	Pink
Astoria	2,212	7,223	643	11,514	0
Garibaldi	3,843	9,169	1,079	431	0
Pacific City	597	1,784	86	1,412	0
Depoe Bay	644	1,720	87	1,743	0
Newport	2,274	6,417	568	5,922	0
Florence	825	1,888	250	472	0
Winchester Bay	4,660	11,135	3,773	2,507	0
Coos Bay	3,198	7,684	3,792	1,594	0
Bandon	190	492	305	32	0
Port Orford	22	56	0	0	0
Gold Beach	211	462	71	0	0
Brookings	8,958	20,735	11,154	61 ^d	0
Total	27,634	68,765	21,808	25,688	0

COMBINED TOTALS FOR ALL OREGON CRAFT					
Port	Boat Trips	Angler Trips	Total Catch		
			Chinook	Coho	Pink
Astoria	2,363	8,412	766	13,712	0
Garibaldi	3,916	9,730	1,117	552	0
Pacific City	612	1,850	88	1,463	0
Depoe Bay	883	3,853	448	3,171	0
Newport	2,595	9,129	1,141	9,124	0
Florence	825	1,888	250	472	0
Winchester Bay	4,877	12,468	4,432	2,882	0
Coos Bay	3,251	7,993	4,078	1,641	0
Bandon	285	1,195	1,328	104	0
Port Orford	22	56	0	0	0
Gold Beach	211	462	74	0	0
Brookings	9,121	21,543	11,744	61 ^d	0
Total	28,961	78,579	25,466	33,182	0

^a Includes combination salmon & bottomfish

^d Illegal coho landings

^c Incidental chinook catch

Table 14. Oregon ocean recreational salmon and bottomfish effort and catch by boat and trip type^a, 2000.

Port	CHARTER							
	Boat Trips			Angler Trips			Total Catch	
	Salmon	Combination	Bottom	Salmon	Combination	Bottom	Salmon ^b	Bottom ^c
Astoria	151	0	0	1,189	0	0	2,321	0
Garibaldi	48	25	691	357	204	8,253	159	61,400
Pacific City	6	9	38	28	38	164	53	1,278
Depoe Bay	219	20	1,474	1,943	190	16,661	1,789	93,206
Newport	272	49	1,354	2,317	395	14,133	3,775	103,417
Florence	0	0	0	0	0	0	0	0
Winchester Bay	215	2	24	1,314	19	211	1,034	1,240
Coos Bay	46	7	365	249	60	4,252	333	37,326
Bandon	90	5	130	657	46	1,088	1,095	9,401
Port Orford	0	0	20	0	0	89	0	350
Gold Beach	0	0	123	0	0	752	3	7,049
Brookings	139	24	426	690	118	3,793	590	34,907
Total	1,186	141	4,645	8,744	1,070	49,396	11,152	349,574

Port	PRIVATE							
	Boat Trips			Angler Trips			Total Catch	
	Salmon	Combination	Bottom	Salmon	Combination	Bottom	Salmon ^b	Bottom ^c
Astoria	2,168	44	5	7,088	135	12	12,157	345
Garibaldi	3,652	191	1,510	8,744	425	4,353	1,510	11,371
Pacific City	408	189	702	1,223	561	1,883	1,498	9,049
Depoe Bay	563	81	468	1,536	184	1,259	1,830	4,001
Newport	1,990	284	2,026	5,639	778	5,843	6,490	13,497
Florence	824	1	27	1,886	2	75	722	151
Winchester Bay	4,626	34	77	11,073	62	180	6,280	299
Coos Bay	2,918	280	1,052	6,993	691	2,690	5,386	13,987
Bandon	138	52	216	366	126	599	337	2,284
Port Orford	6	16	218	13	43	592	0	3,893
Gold Beach	168	43	419	361	101	1,025	71	6,475
Brookings	8,147	811	4,122	18,726	2,009	9,713	11,215	61,797
Total	25,608	2,026	10,842	63,648	5,117	28,224	47,496	127,149

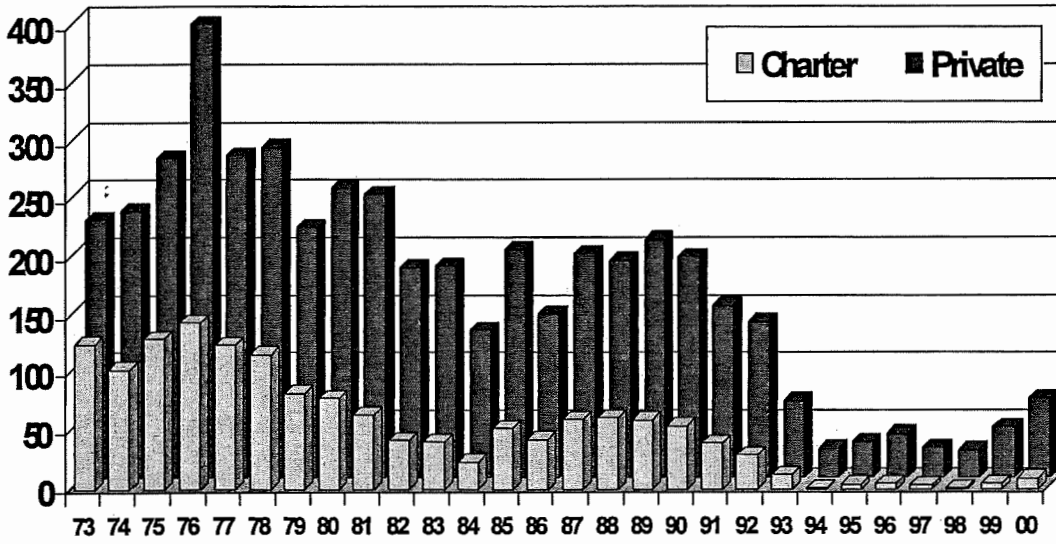
Port	COMBINED TOTALS FOR ALL OREGON CRAFT							
	Boat Trips			Angler Trips			Total Catch	
	Salmon	Combination	Bottom	Salmon	Combination	Bottom	Salmon ^b	Bottom ^c
Astoria	2,319	44	5	8,277	135	12	14,478	345
Garibaldi	3,700	216	2,201	9,101	629	12,606	1,669	72,771
Pacific City	414	198	740	1,251	599	2,047	1,551	10,327
Depoe Bay	782	101	1,942	3,479	374	17,920	3,619	97,207
Newport	2,262	333	3,380	7,956	1,173	19,976	10,265	116,914
Florence	824	1	27	1,886	2	75	722	151
Winchester Bay	4,841	36	101	12,387	81	391	7,314	1,539
Coos Bay	2,964	287	1,417	7,242	751	6,942	5,719	51,313
Bandon	228	57	346	1,023	172	1,687	1,432	11,685
Port Orford	6	16	238	13	43	681	0	4,243
Gold Beach	168	43	542	361	101	1,777	74	13,524
Brookings	8,286	835	4,548	19,416	2,127	13,506	11,805	96,704
Total	26,794	2,167	15,487	72,392	6,187	77,620	58,648	476,723

^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.

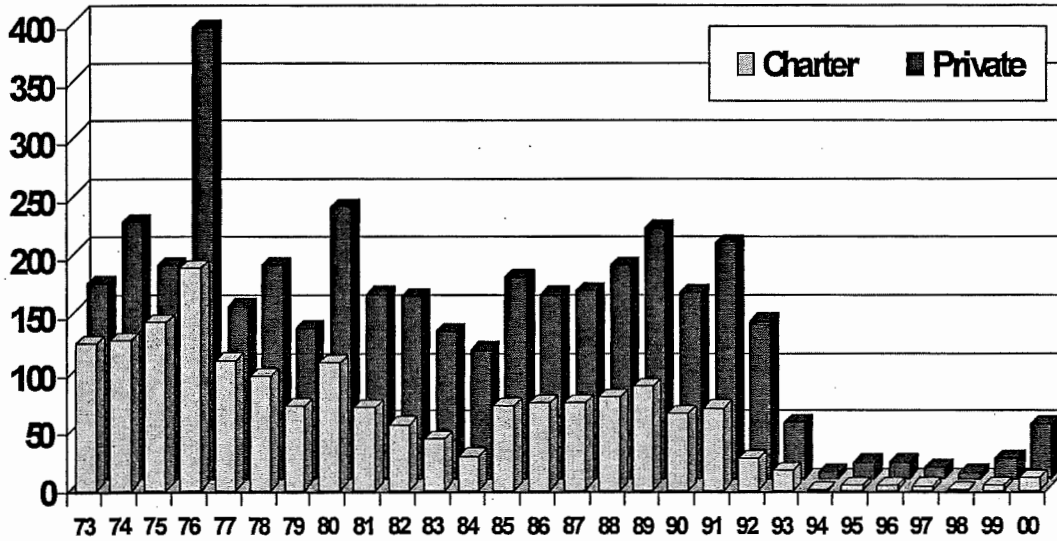
^b Includes: coho, chinook and pink salmon.

^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, 1973-2000.

Private boat angler catch: Anglers from private boats landed 21,808 chinook and 25,688 coho in 2000. The total catch of 47,496 salmon was up 276% from the 17,175 landed in 1999, but is only 41% of the 1980-99 average of 114,800 fish. Private boat anglers caught 81% of the total recreational salmon landed in 2000, which was still above the 1980-99 average of 71% (Appendix Table 20 and Figure 16).

Private boat anglers fishing out of Astoria averaged 1.68 salmon per angler trip and landed the most salmon with 12,157 for the 2000 season. Brookings private boat anglers only averaged 0.54 salmon per angler trip, but had the second highest overall landings with 11,215 salmon for the season. These two ports accounted for 49% of the total 2000 private boat salmon angler catch. The coastwide angler success rate was 0.69 salmon per angler, up from the 0.39 salmon per angler observed in 1999, but still less than 1980-99 average of 0.88 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 OSM 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 2000, a total of 28,152 chinook were caught by anglers and 2,686 of these were released (10%). As in most years, the ratio of released per retained chinook peaked in September at 14% and coincides with the annual recruitment of age two chinook to the fishery (Table 15). Brookings had the most released chinook in 2000 with 1,239, while Astoria with a one chinook bag limit had the highest release rate with 38% of the chinook handled being released.

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 54,545 coho were handled in 2000 with 21,363 coho being released (39%) (Table 16).

Table 15. Chinook salmon released by Oregon ocean recreational anglers by port and by statistical month, 2000.

Port of Landing		Month								Total
		April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Astoria	No. Released	-	-	-	197	275	-	-	-	472
	No. Retained	-	-	-	435	331	-	-	-	766
	% Released	-	-	-	31	45	-	-	-	38
Garibaldi (NOF) ^a	No. Released	-	-	-	0	0	-	-	-	0
	No. Retained	-	-	-	2	0	-	-	-	2
	% Released	-	-	-	0	0	-	-	-	0
Garibaldi (SOF) ^a	No. Released	0	0	17	19	19	20	2	3	80
	No. Retained	2	45	35	37	25	506	402	63	1,115
	% Released	0	0	33	34	43	4	0	5	7
Pacific City	No. Released	0	0	4	2	0	0	-	-	6
	No. Retained	0	0	30	54	4	0	-	-	88
	% Released	0	0	0	4	0	0	-	-	6
Depoe Bay	No. Released	4	0	0	19	14	6	3	0	46
	No. Retained	0	0	36	144	184	83	1	0	448
	% Released	100	0	0	12	7	7	75	0	9
Newport	No. Released	0	4	3	40	30	137	1	0	215
	No. Retained	0	9	112	555	268	196	1	0	1,141
	% Released	0	31	3	7	10	41	50	0	16
Florence	No. Released	-	0	0	14	1	0	-	-	15
	No. Retained	-	0	10	193	32	15	-	-	250
	% Released	-	0	0	7	3	0	-	-	6
Winchester Bay	No. Released	0	0	3	252	51	9	-	-	315
	No. Retained	0	1	38	3,036	1,007	350	-	-	4,432
	% Released	0	0	7	8	5	3	-	-	7
Charleston	No. Released	0	0	0	137	66	0	19	0	222
	No. Retained	2	8	306	2,869	813	49	31	0	4,078
	% Released	0	0	0	5	8	0	38	0	5
Bandon	No. Released	-	0	0	37	29	8	-	-	74
	No. Retained	-	0	22	535	706	65	-	-	1,328
	% Released	-	0	0	6	4	11	-	-	5
Port Orford	No. Released	-	0	0	0	0	0	0	-	0
	No. Retained	-	0	0	0	0	0	0	-	0
	% Released	-	0	0	0	0	0	0	-	0
Gold Beach	No. Released	-	0	0	0	2	0	-	-	2
	No. Retained	-	0	0	9	64	1	-	-	74
	% Released	-	0	0	0	3	0	-	-	3
Brookings	No. Released	0	6	30	103	860	98	142	0	1,239
	No. Retained	0	16	432	2,051	7,921	514	810	0	11,744
	% Released	0	27	6	5	10	16	15	0	10
Total	No. Released	4	10	57	820	1,347	278	167	3	2,686
	No. Retained	4	79	1,021	9,920	11,355	1,779	1,245	63	25,466
	% Released	50	11	5	8	11	14	12	5	10

^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, 2000.

Port of Landing		Month								Total
		April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Astoria	No. Released	-	-	-	2,327	3,042	0	-	-	5,369
	No. Retained	-	-	-	6,739	6,973	0	-	-	13,712
	% Released	-	-	-	26	30	0	-	-	28
Garibaldi (NOF) ^a	No. Released	-	-	-	12	10	0	-	-	22
	No. Retained	-	-	-	10	0	0	-	-	10
	% Released	-	-	-	55	100	0	-	-	69
Garibaldi (SOF) ^a	No. Released	0	0	65	392	166	213	85	0	921
	No. Retained	0	0	154	369	0	11	8	0	542
	% Released	0	0	30	52	100	95	91	0	63
Pacific City	No. Released	-	-	149	488	20	0	-	-	657
	No. Retained	-	-	392	1,069	2	0	-	-	1,463
	% Released	-	-	0	31	91	0	-	-	31
Depoe Bay	No. Released	0	0	102	1,257	189	45	0	0	1,593
	No. Retained	0	0	250	2,921	0	0	0	0	3,171
	% Released	0	0	0	30	100	100	0	0	33
Newport	No. Released	0	0	190	4,390	1,029	115	2	0	5,726
	No. Retained	0	0	672	8,431	12	9	0	0	9,124
	% Released	0	0	22	34	99	93	100	0	39
Florence	No. Released	-	0	2	373	135	46	-	-	556
	No. Retained	-	0	0	466	6	0	-	-	472
	% Released	-	0	100	44	96	0	-	-	54
Winchester Bay	No. Released	-	0	0	2,468	643	110	-	-	3,221
	No. Retained	-	0	0	2,864	18	0	-	-	2,882
	% Released	-	0	0	46	97	100	-	-	53
Charleston	No. Released	0	0	2	1,848	425	10	2	0	2,287
	No. Retained	0	0	1	1,624	16	0	0	0	1,641
	% Released	0	0	0	53	96	0	0	0	58
Bandon	No. Released	-	0	2	151	182	0	-	-	335
	No. Retained	-	0	0	100	4	0	-	-	104
	% Released	-	0	0	60	98	0	-	-	76
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	16	0	-	-	16
	No. Retained	-	0	0	0	0	0	-	-	0
	% Released	-	0	0	0	100	0	-	-	100
Brookings	No. Released	0	2	49	151	401	33	23	1	660
	No. Retained	0	0	0	14	47	0	0	0	61
	% Released	0	100	100	92	90	100	100	100	92
Total	No. Released	0	0	243	13,857	6,258	572	112	1	21,363
	No. Retained	0	136	1,469	24,607	7,078	20	8	0	33,182
	% Released	0	0	14	36	47	97	93	0	39

^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).

RECREATIONAL OCEAN SALMON CODED WIRE TAG SAMPLING

Recreational samplers from the OSMP working at twelve Oregon coastal ports in 2000 examined 44% of the chinook and 49% 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 to identify those coho that are part of our sampling that actually have a CWT in the snout.

Chinook

Samplers examined 11,095 of the 25,466 chinook landed in 2000 (44%), and found 400 (3.6%) that had adipose fin clips (Table 17). Department staff found readable tags in 329 of the chinook heads for an 82% recovery rate. Most of the observed CWTs were released by ODFW (21%), US Fish and Wildlife Service (18%), Washington Dept. of Fish and Wildlife (15%), California Dept. of Fish and Game (12%), California Dept. of Water Resources (12%), and East Bay Municipal District, California (11%). By basin, most of the tagged fish were released in California's Sacramento/San Joaquin Basin (49%), and the Columbia River basin including the Snake River (22%) (Figure 17).

Coho

Samplers examined 16,403 of the 33,182 coho landed in 2000 (49%), and found 1,235 (7.5%) that had adipose fin clips and/or registered a positive response to a tag detector. Staff found readable tags in 1,031 of the coho heads for an 83% recovery rate. Most of the observed CWTs were released by Washington Dept. of Fish and Wildlife (56%) and ODFW (30%) (Table 18 and Figure 17). Most of the tagged fish were released in the Columbia Basin (76%) and Washington Coastal streams (10%).

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, 2000.

Port of Landing	Month								Total
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
<u>Astoria</u>									
No. Examined	-	-	-	186	141	0	-	-	327
No. Landed	-	-	-	435	331	0	-	-	766
% Examined	-	-	-	43	43	0	-	-	43
No. Marks	-	-	-	17	14	0	-	-	31
<u>Garibaldi</u>									
No. Examined	1	24	15	20	10	191	179	25	465
No. Landed	2	45	35	39	25	506	402	63	1,117
% Examined	50	53	43	51	40	38	45	40	42
No. Marks	0	2	2	2	2	12	6	1	27
<u>Pacific City</u>									
No. Examined	-	0	21	42	2	0	-	-	65
No. Landed	-	0	30	54	4	0	-	-	88
% Examined	-	0	70	78	50	0	-	-	74
No. Marks	-	0	3	2	0	0	-	-	5
<u>Depoe Bay</u>									
No. Examined	0	0	21	84	105	60	1	0	271
No. Landed	0	0	36	144	184	83	1	0	448
% Examined	0	0	58	58	0	0	0	0	60
No. Marks	0	0	0	0	0	0	0	0	0
<u>Newport</u>									
No. Examined	0	4	52	267	157	118	1	0	599
No. Landed	0	9	112	555	268	196	1	0	1,141
% Examined	0	44	46	48	59	60	100	0	52
No. Marks	0	0	2	14	14	8	0	0	38
<u>Florence</u>									
No. Examined	-	0	9	173	25	12	-	-	219
No. Landed	-	0	10	193	32	15	-	-	250
% Examined	-	0	90	90	78	80	-	-	88
No. Marks	-	0	0	12	0	0	-	-	12
<u>Winchester Bay</u>									
No. Examined	-	1	21	1,205	237	93	-	-	1,557
No. Landed	-	1	38	3,036	1,007	350	-	-	4,432
% Examined	-	100	55	40	24	27	-	-	35
No. Marks	-	1	2	35	7	3	-	-	48

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	1	7	208	1,858	446	27	18	0	2,565
No. Landed	2	8	306	2,869	813	49	31	0	4,078
% Examined	50	88	68	65	55	55	58	0	63
No. Marks	1	0	10	60	16	0	1	0	88
<u>Bandon</u>									
No. Examined	-	0	22	493	444	31	-	-	990
No. Landed	-	0	22	535	706	65	-	-	1,328
% Examined	-	0	100	92	63	48	-	-	75
No. Marks	-	0	1	22	14	3	-	-	40
<u>Port Orford</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>Gold Beach</u>									
No. Examined	-	-	0	5	33	1	0	-	39
No. Landed	-	-	0	9	64	1	0	-	74
% Examined	-	-	0	56	52	100	0	-	53
No. Marks	-	-	0	0	1	0	0	-	1
<u>Brookings</u>									
No. Examined	0	8	199	895	2,479	151	266	0	3,998
No. Landed	0	16	432	2,051	7,921	514	810	0	11,744
% Examined	0	50	46	44	31	29	33	0	34
No. Marks	0	0	6	26	61	10	7	0	110
<u>Total</u>									
No. Examined	2	44	568	5,228	4,079	684	465	25	11,095
No. Landed	4	79	1,021	9,920	11,355	1,779	1,245	63	25,466
% Examined	50	56	56	53	36	38	37	40	44
No. Marks	1	3	26	190	129	36	14	1	400

Table 18. Coho coded-wire tag sampling from the ocean recreational fishery, by port and statistical month, 2000.

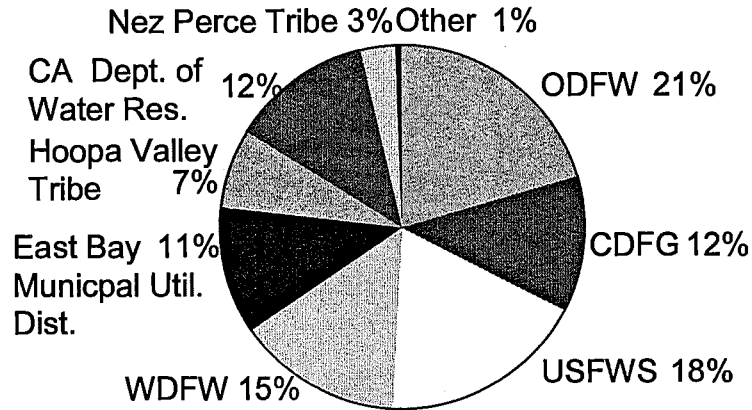
Port of Landing	Month							Total
	May	June	July	Aug.	Sept.	Oct.	Nov.	
<u>Astoria</u>								
No. Examined	-	-	2,751	2,988	0	-	-	5,739
No. Landed	-	-	6,739	6,973	0	-	-	13,712
% Examined	-	-	41	43	0	-	-	42
No. Marks	-	-	143	170	0	-	-	313
<u>Garibaldi</u>								
No. Examined	0	65	248	0	4	3	0	320
No. Landed	0	154	379	0	11	8	0	552
% Examined	0	42	65	0	36	38	0	58
No. Marks	0	3	32	0	0	0	0	35
<u>Pacific City</u>								
No. Examined	0	268	839	1	0	-	-	1,108
No. Landed	0	392	1,069	2	0	-	-	1,463
% Examined	0	68	78	50	0	-	-	76
No. Marks	0	22	61	1	0	-	-	84
<u>Depoe Bay</u>								
No. Examined	0	129	1,675	0	0	0	0	1,804
No. Landed	0	250	2,921	0	0	0	0	3,171
% Examined	0	52	57	0	0	0	0	57
No. Marks	0	10	103	0	0	0	0	113
<u>Newport</u>								
No. Examined	0	298	4,271	4	4	0	0	4,577
No. Landed	0	672	8,431	12	9	0	0	9,124
% Examined	0	44	51	33	44	0	0	50
No. Marks	0	26	334	1	3	0	0	364
<u>Florence</u>								
No. Examined	0	0	426	5	0	-	-	431
No. Landed	0	0	466	6	0	-	-	472
% Examined	0	0	91	83	0	-	-	91
No. Marks	0	0	55	4	0	-	-	59
<u>Winchester Bay</u>								
No. Examined	0	0	1,256	5	0	-	-	1,261
No. Landed	0	0	2,864	18	0	-	-	2,882
% Examined	0	0	44	28	0	-	-	44
No. Marks	0	0	116	0	0	-	-	116

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	0	1	1037	10	0	0	0	1,048
No. Landed	0	1	1,624	16	0	0	0	1,641
% Examined	0	100	64	63	0	0	0	64
No. Marks	0	0	131	3	0	0	0	134
<u>Bandon</u>								
No. Examined	0	0	92	4	0	-	-	96
No. Landed	0	0	100	4	0	-	-	104
% Examined	0	0	92	100	0	-	-	92
No. Marks	0	0	6	1	0	-	-	7
<u>Port Orford</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>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	0	6	13	0	0	0	19
No. Landed	0	0	14	47	0	0	0	61
% Examined	0	0	43	28	0	0	0	31
No. Marks	0	0	4	6	0	0	0	10
<u>Total</u>								
No. Examined	0	761	12,601	3,030	8	3	0	16,403
No. Landed	0	1,469	24,607	7,078	20	8	0	33,182
% Examined	0	52	51	43	40	38	0	49
No. Marks	0	61	985	186	3	0	0	1,235

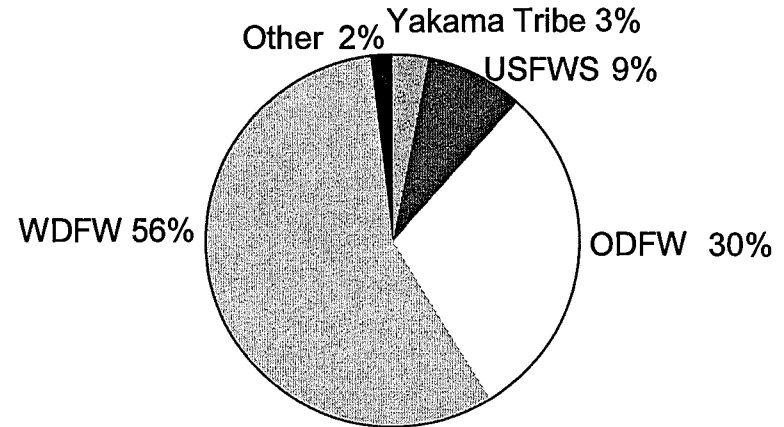
Chinook

RELEASE AGENCY



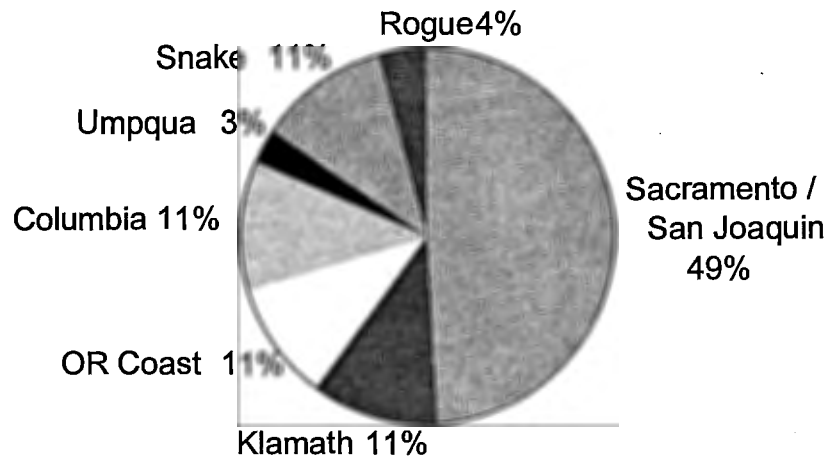
Coho

RELEASE AGENCY



56

BASIN OF RELEASE



BASIN OF RELEASE

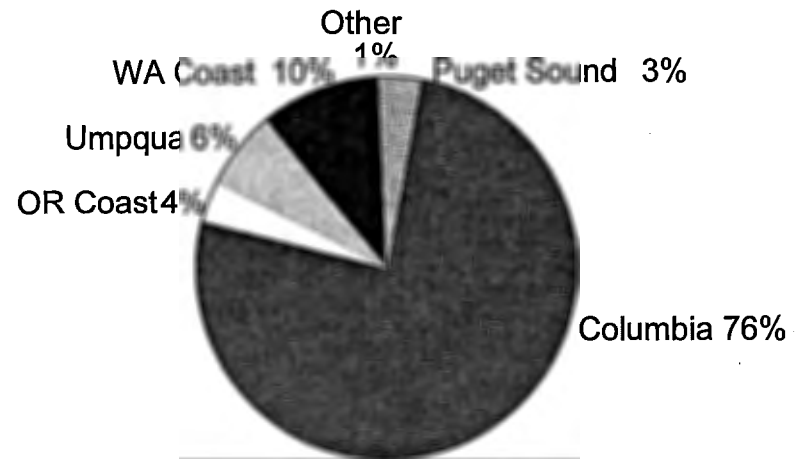


Figure 17. Recoveries of chinook (N=329) and coho (N=1031) coded wire tags, by release agency and by basin of release from Oregon's ocean recreational catch, 2000. Note: Does not represent stock contribution rates since tagging is not representative of all stocks.

SPECIAL FISHERIES AND STUDIES

Columbia River Buoy 10 Estuary Fishery

The Columbia River estuary was open from Buoy 10 upstream to the Astoria/Megler Bridge 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 2000 combined effort totaled 72,518 angler trips as compared to the 1999 effort of only 49,568 angler trips (Table 19). Combined Oregon and Washington salmon landings totaled 6,085 chinook and 21,478 coho. The majority of the effort and catch occurred out of Washington.

Table 19. Buoy 10 Columbia River estuary season. Total salmon angler trips and catch, 2000; and totals for 1982-99, 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 Total	72,518	6,085	21,478	0.38	0.08	0.30
OR Boat	28,328	3,109	7,759	0.39	0.11	0.27
OR Bank	2,129	4	296	0.14	0.002	0.14
WA Boat	43,528	2,912	13,156	0.37	0.07	0.30
WA Bank	2,108	60	207	0.13	0.03	0.10

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 2000 resulted in an estimated effort of 235 ocean angler trips with a catch of 63 chinook.

November-December Fishery off Port Orford

We did not sample the recreational portion of this fishery in 2000. 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 2000 was from Goat Island south to the latitude of 42° 01' 20" N. The season was open from Oct. 7 through 15. Effort for this fishery totaled 3,205 angler trips (Table 20). Private boats made up 97% of the total effort for this fishery. The chinook catch totaled 810 fish. Angler success averaged 0.25 chinook per angler. A total of 23 coho were estimated to have been released by anglers.

Only five readable coded wire tags were recovered from chinook in this fishery in 2000. Three 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, 2000.

Statistical Week	CHARTER BOATS					PRIVATE BOATS					TOTAL				
	Angler Trips	Landed Chinook	Released Coho	Landed Chinook	Released Coho	Angler Trips	Landed Chinook	Released Coho	Landed Chinook	Released Coho	Angler Trips	Landed Chinook	Released Coho	Landed Chinook	Released Coho
41	32	7	-	-	-	1,240	195	-	7	7	1,272	202	-	7	7
42	63	30	-	-	2	1,870	578	-	135	14	1,933	608	-	135	16
Total	95	37	-	-	2	3,110	773	-	142	21	3,205	810	-	142	23

Tillamook Bay Fall Creel

In 1994, 1995, and 1996; the OSMP was funded to conduct an intensive statistical creel survey of the fall chinook fishery in Tillamook Bay. Since 1997, the OSMP 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 2000, the fall creel data collection began September 18 and continued through November 19 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 2000, and the lower and mid 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 2000 effort during the fall fishery is estimated at 13,392 angler trips (Table 21). Catches in the bay totaled 900 chinook and 74 coho. An additional 6 chinook and 233 coho were released by anglers.

Table 21. Tillamook Bay recreational fishery creel 2000 (sampling occurred only in Garibaldi); effort and catch estimates by statistical week.

All Areas Combined

Statistical Week		Angler Trips	Landed Chinook	Landed Coho	Released Chinook	Released Coho	Chinook/Angler	Coho/Chinook
37	Sept. 4 - 10	0	0	0	0	0	0.00	0.00
38	Sept. 11 - 17	0	0	0	0	0	0.00	0.00
39	Sept. 18 - 24	1,999	198	58	3	55	0.10	0.56
40	Sept. 25 - Oct. 1	1,574	60	11	0	31	0.04	0.70
41	Oct. 2 - 8	1,788	71	3	3	37	0.04	0.54
42	Oct. 9 - 15	2,555	147	2	0	61	0.06	0.43
43	Oct. 16 - 22	2,094	167	0	0	36	0.08	0.22
44	Oct. 23 - 29	1,242	53	0	0	9	0.04	0.17
45	Oct. 30 - Nov. 5	923	82	0	0	2	0.09	0.02
46	Nov. 6 - 12	689	80	0	0	2	0.12	0.03
47	Nov. 13 - 19	528	42	0	0	0	0.08	0.00
Totals		13,392	900	74	6	233	0.07	0.34

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. It should be noted that since special gear regulations were in place for much of the coast during the all except coho season, caution must be exercised in assumptions made about what gear types would have been preferred in the absence of the gear restrictions. Also 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. Overall, roughly 98% of the trips with gear profiles collected trolled for salmon (Table 22).

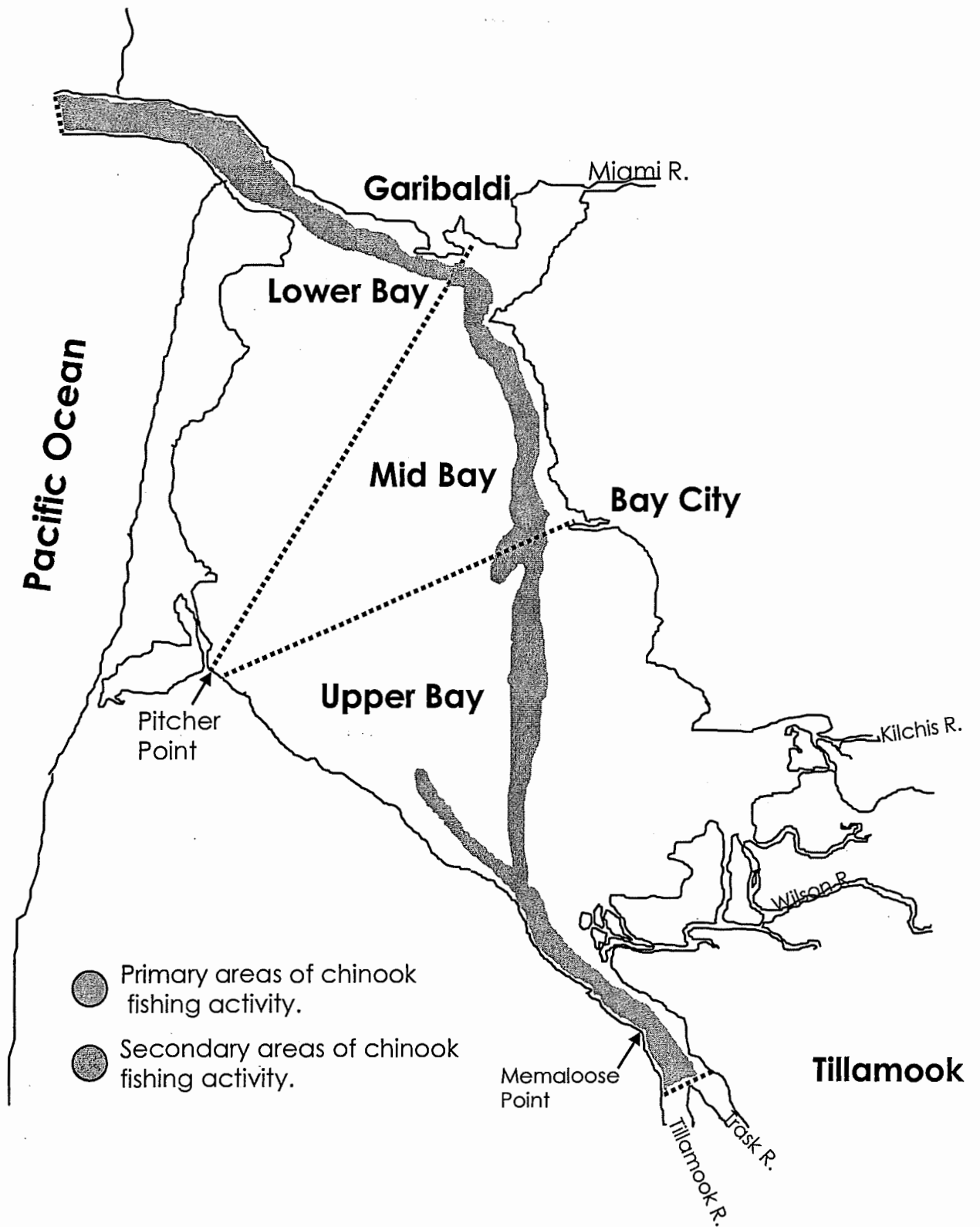


Figure 18. Map of Tillamook Bay, Oregon showing the boundaries for the bay zones used in the 2000 creel survey, and areas of primary and secondary fishing activity.

During the coho seasons, in most ports, the majority of anglers preferred to use a diving plane (75% of charter anglers and 56% of private boat anglers) as their method of getting their lure or bait down to fishing depth. However in Winchester Bay and Charleston, 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 and charter boats tended to use downriggers while private boats had a more even split between lead weights and downriggers. One exception was at Garibaldi where 98% 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 2000 all salmon except coho season between Cape Falcon and Humbug Mt., attractors were prohibited except when used in conjunction with a downrigger. Attractors were used by the majority of anglers (66% of all charter anglers and 74% of all private boat anglers) during the selective coho season in all ports except for Astoria and Bandon (Table 24). During the all except coho season in Brookings (where there were no special gear regulations), 94% of the private boat anglers used an attractor.

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 and Bandon. For private boats, lures were preferred during the coho season from Pacific City to Newport, but bait was selected more often in all ports both North and South of this zone. During the chinook season, bait was always the top choice for private boat anglers.

Over 90% of the lures used were hootchies. Spoons were the second most commonly used lure type accounting for 7.2% 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.

Table 22. Gear profile of angling methods used for ocean salmon fishing off Oregon, 2000 (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	83%	17%	0%	99%	1%	0%
Garibaldi	100%	0%	0%	100%	0%	0%
Pacific City	ISD	ISD	ISD	100%	0%	0%
Depoe Bay	100%	0%	0%	98%	2%	0%
Newport	97%	3%	0%	99%	1%	0%
Florence	ISD	ISD	ISD	99%	1%	0%
Winchester Bay	100%	0%	0%	98%	2%	0%
Charleston	85%	15%	0%	97%	3%	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	96%	4%	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	100%	0%	0%
Pacific City	ISD	ISD	ISD	ISD	ISD	ISD
Depoe Bay	ISD	ISD	ISD	ISD	ISD	ISD
Newport	100%	0%	0%	94%	6%	0%
Florence	ISD	ISD	ISD	99%	0%	1%
Winchester Bay	99%	1%	0%	93%	7%	0%
Charleston	ISD	ISD	ISD	90%	10%	0%
Bandon	100%	0%	0%	85%	15%	0%
Port Orford	ISD	ISD	ISD	100%	0%	0%
Gold Beach	ISD	ISD	ISD	100%	0%	0%
Brookings	100%	0%	0%	99%	1%	0%
Coastwide Total^d	100%	0%	0%	98%	2%	0%

Table 23. Gear profile of angling methods used for ocean salmon fishing off Oregon, 2000 (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%	82%	13%	6%	0%
Garibaldi	73%	0%	27%	0%	46%	38%	15%	0%
Pacific City	ISD	ISD	ISD	ISD	56%	29%	15%	0%
Depoe Bay	81%	3%	16%	0%	78%	10%	10%	1%
Newport	72%	5%	20%	3%	70%	7%	23%	0%
Florence	ISD	ISD	ISD	ISD	59%	26%	15%	0%
Winchester Bay	56%	1%	43%	0%	34%	29%	36%	0%
Charleston	82%	0%	18%	0%	47%	13%	39%	0%
Bandon	43%	5%	52%	0%	59%	5%	36%	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	75%	3%	21%	1%	56%	19%	25%	0%

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	0%	98%	2%	0%
Pacific City	ISD	ISD	ISD	ISD	ISD	ISD	ISD	ISD
Depoe Bay	ISD	ISD	ISD	ISD	ISD	ISD	ISD	ISD
Newport	0%	33%	67%	0%	0%	66%	34%	0%
Florence	ISD	ISD	ISD	ISD	1%	77%	23%	0%
Winchester Bay	0%	29%	71%	0%	0%	65%	34%	0%
Charleston	0%	0%	100%	0%	2%	28%	71%	0%
Bandon	0%	42%	58%	0%	0%	48%	52%	0%
Port Orford	ISD	ISD	ISD	ISD	0%	48%	52%	0%
Gold Beach	ISD	ISD	ISD	ISD	68%	8%	22%	2%
Brookings	42%	2%	56%	0%	24%	2%	74%	0%
Coastwide Total^e	13%	23%	64%	0%	15%	31%	54%	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, 2000 (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	2%	98%	36%	64%
Garibaldi	83%	17%	53%	47%
Pacific City	ISD	ISD	90%	10%
Depoe Bay	96%	4%	94%	6%
Newport	65%	35%	79%	21%
Florence	ISD	ISD	79%	21%
Winchester Bay	95%	5%	79%	21%
Charleston	48%	52%	75%	25%
Bandon	ISD	ISD	41%	59%
Port Orford	ISD	ISD	ISD	ISD
Gold Beach	ISD	ISD	ISD	ISD
Brookings	ISD	ISD	ISD	ISD
Coastwide Total^b	66%	34%	74%	26%

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	2%	98%
Pacific City	ISD	ISD	ISD	ISD
Depoe Bay	ISD	ISD	ISD	ISD
Newport	48%	52%	28%	72%
Florence	ISD	ISD	21%	79%
Winchester Bay	71%	29%	32%	68%
Charleston	ISD	ISD	67%	33%
Bandon	11%	89%	40%	60%
Port Orford	ISD	ISD	62%	38%
Gold Beach	ISD	ISD	45%	55%
Brookings	97%	3%	94%	6%
Coastwide Total^b	68%	32%	64%	36%

^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, 2000 (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	18%	82%	10%	90%
Garibaldi	85%	15%	34%	66%
Pacific City	ISD	ISD	69%	31%
Depoe Bay	89%	11%	67%	33%
Newport	91%	9%	68%	32%
Florence	ISD	ISD	49%	51%
Winchester Bay	89%	11%	43%	57%
Charleston	90%	10%	39%	61%
Bandon	0%	100%	23%	77%
Port Orford	ISD	ISD	ISD	ISD
Gold Beach	ISD	ISD	ISD	ISD
Brookings	ISD	ISD	ISD	ISD
Coastwide Total^b	75%	25%	47%	53%

All Except Coho	Charter Boat Anglers		Private Boat Anglers	
	Lure	Bait	Lure	Bait
Astoria	ISD	ISD	ISD	ISD
Garibaldi	ISD	ISD	1%	99%
Pacific City	ISD	ISD	ISD	ISD
Depoe Bay	ISD	ISD	ISD	ISD
Newport	100%	0%	19%	81%
Florence	ISD	ISD	5%	95%
Winchester Bay	64%	36%	13%	87%
Charleston	100%	0%	24%	76%
Bandon	0%	100%	14%	86%
Port Orford	ISD	ISD	0%	100%
Gold Beach	ISD	ISD	8%	92%
Brookings	36%	64%	3%	97%
Coastwide Total^b	45%	55%	6%	94%

^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.

At Sea Observations of the Selective Coho Fishery

During the 2000 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 36 vessel trips with 793 observations of handled coho, of which 654 were retained and 118 were released because they did not have an adipose fin clip (85% marked coho rate), the remaining 21 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 86 vessel trips with 1,039 observations of handled coho. The handled coho included 732 legal adipose fin clipped coho that were retained and 249 legal sized coho without a clipped adipose that were released (75% marked coho rate). There were an additional 58 sublegal coho that were released.

Table 26. Summary of at sea observations of the Oregon recreational selective coho salmon fishery, 2000.

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	29	116	15	89%	1	2	5	68	0
	30	125	25	83%	2	17	7	66	1
	31	153	26	85%	4	10	2	47	0
	32	125	18	87%	1	6	9	36	0
	33	135	34	80%	13	11	10	42	0
	Total		654	118	85%	21	46	33	259
Tillamook	27	19	2	90%	1	1	1	3	2
	28	10	9	53%	1	0	1	2	0
	29	8	10	44%	8	1	0	5	0
	30	34	10	77%	8	0	0	16	0
	31	14	6	70%	4	0	0	10	0
	Total		85	37	70%	22	2	2	36
Newport	27	36	10	78%	0	8	0	26	0
	28	127	46	73%	3	8	1	128	1
	29	88	21	81%	8	6	0	80	2
	30	207	64	76%	13	6	1	131	0
	31	39	15	72%	7	3	2	76	0
	Total		497	156	76%	31	31	4	441
Coos Bay	27	0	0	NA	1	5	0	3	0
	28	51	22	70%	0	42	9	64	0
	29	40	16	71%	1	42	0	67	0
	30	45	16	74%	3	17	1	42	0
	31	14	2	88%	0	28	1	22	0
	Total		150	56	73%	5	134	11	198
Sum of Falcon to Humbug Mt. ^f	27	55	12	82%	2	14	1	32	2
	28	188	77	71%	4	50	11	194	1
	29	136	47	74%	17	49	0	152	2
	30	286	90	76%	24	23	2	189	0
	31	67	23	74%	11	31	3	108	0
	Total		732	249	75%	58	167	17	675

^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.

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

ACKNOWLEDGMENTS

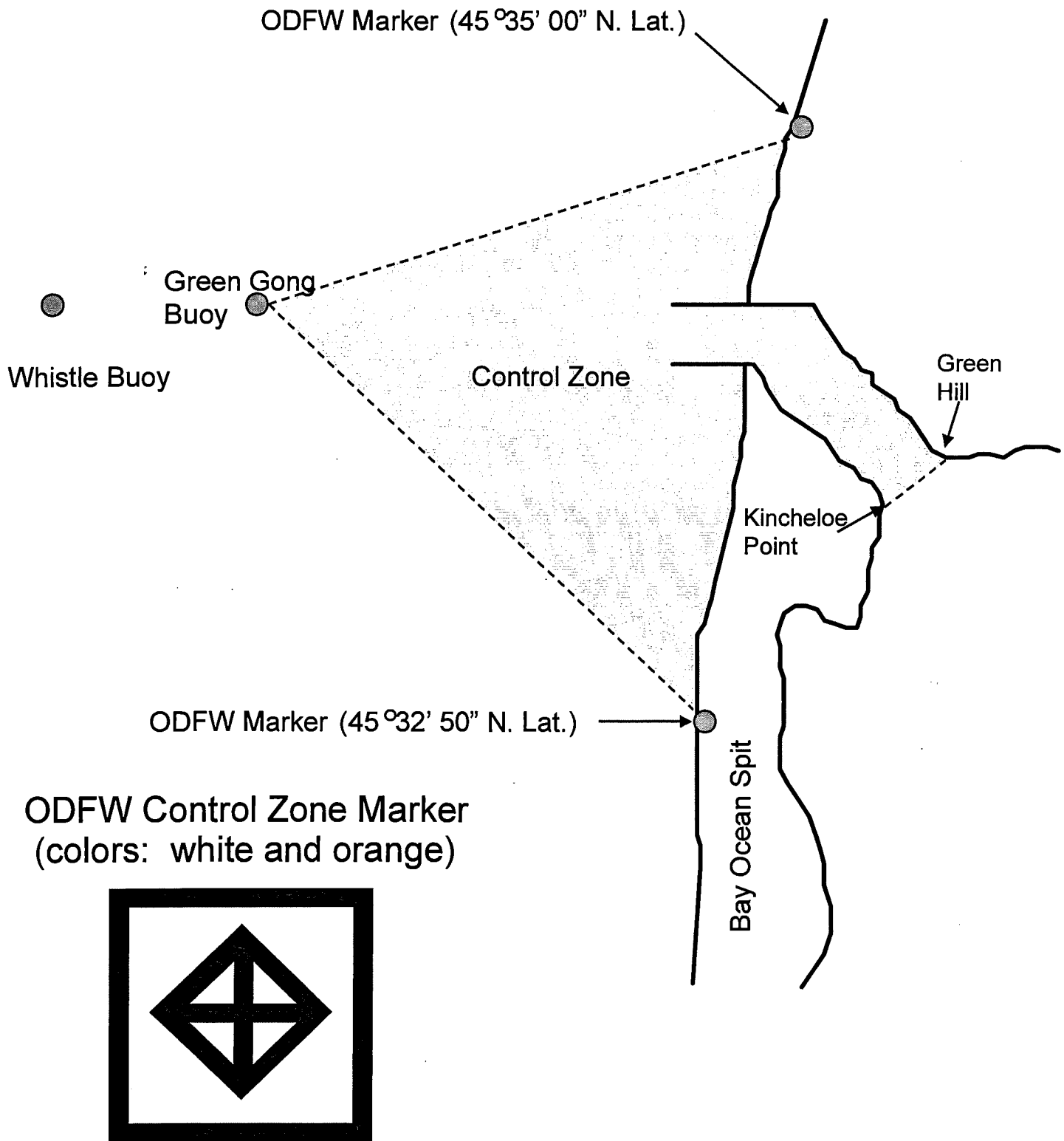
Almost everyone in the Ocean Salmon Management Program at one time or another provided assistance to the ocean sampling program. However, we especially appreciate the help of sampling coordinators Robert Bradley and Chris Stephens and all seasonal samplers (Appendix table 1). Special recognition is due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

During the 2000 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 Doll-fin and C/V Escapade; Charleton Deep Sea Charters, Warrenton – C/V Ruby Sea; Warrenton Deep Sea Fishing, Warrenton – C/V Thunderbird; Tackle Time Bait, Warrenton - C/V Elijah; C/V Naughtyless III; Linda Sue III Charters, Garibaldi – C/V Oakland Pilot and C/V Herbie; D & D Charters Garibaldi – C/V D & D; Tradewinds Charters, Depoe Bay – C/V Mr. Max, C/V Mariner, C/V Sunrise, C/V Lady Luck, C/V Prime Time, and C/V Tacklebuster; Dockside Charters, Depoe Bay – C/V Sampson; Joan E Charters, Depoe Bay – C/V Mary Beth; Sea Gull Charters, Newport – C/V Firecracker and C/V Surfrider; Bayfront Charters, Newport – C/V Lady Val; Tradewinds Charters, Newport – C/V Smokee, and C/V Ilwaco Indian; Strike Zone Charters, Winchester Bay – C/V Strike Zone and C/V Reel Extreme; Betty Kay Charters, Charleston – C/V Betty Kay; C/V Jamboree; and Prowler Charters, Bandon – C/V MisChief.

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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, 2000 (Primary assignments in bold, special duty temporary assignments in italics).

Port	Sampler	Dates	Primary Duties
Astoria	<i>Lyndsie Gross</i>	<i>Aug. 3 - Aug. 22</i>	<i>Commercial troll</i>
	<i>Karl Topping</i>	<i>Aug. 3 - Aug. 28</i>	<i>Commercial troll</i>
	Barbara Herring	June 26 - Sept. 30	Recreational
	Michelle O'Shea	June 26 - Sept. 30	Recreational
	Kevin Vensel	July 19 - Sept. 9	Selective fishery observer
	Sarah Lyon	July 10 - Sept. 9	Selective fishery observer
Garibaldi	Heather Conn	Apr. 3 - May 29	Recreational
	Jane Chen	Apr. 3 - July 2	Combination troll/recreational
	Peter Susi	Apr. 26 - Oct. 15	Combination troll/recreational
	Rachel Werner	June 26 - Nov. 10	Combination troll/recreational
	Laura Cowger	Sept. 25 - Nov. 19	Combination troll/recreational
Pacific City	Robin DeSwart	Apr. 26 - June 27	Recreational
	<i>Michelle O'Shea</i>	<i>July 1 - July 9</i>	<i>Recreational</i>
	Noah Teicher	July 13 - July 15	Recreational
	<i>Daniel LaPoint</i>	<i>July 11 - July 23</i>	<i>Recreational</i>
	<i>Jason Kirchner</i>	<i>July 25 - July 30</i>	<i>Recreational</i>
	Laura Cowger	July 26 - Sept. 24	Recreational
Depoe Bay	<i>Lyndsie Gross</i>	<i>Jan. 1 - Apr. 26</i>	<i>Recreational</i>
	<i>Jason Flory</i>	<i>Jan. 1 - Mar. 31</i>	<i>Recreational</i>
	<i>Jason Kirchner</i>	<i>Mar. 5 - Apr. 17</i>	<i>Recreational</i>
	Lark Osborne	Apr. 26 - May 8	Recreational
	Chris Calardo	May 15 - Dec. 31	Recreational
	<i>Daniel LaPoint</i>	<i>Oct. 27 - Dec. 31</i>	<i>Recreational</i>
Newport	Melinda Jenson	May 15 - July 23	Commercial troll
	Christina Del Zotto	Aug. 28 - Nov. 2	Commercial troll
	Jason Flory	Jan. 1 - May 18	Combination troll/recreational
	Jason Kirchner	Mar. 6 - Oct. 8	Combination troll/recreational
	Mary Conser	Apr. 3 - Sept. 17	Recreational
	Lyndsie Gross	Jan. 1 - Oct. 26	Recreational
	Karl Topping	June 26 - Oct. 1	Recreational
	<i>Chris Calardo</i>	<i>Oct. 2 - Dec 31</i>	<i>Recreational</i>
	Daniel LaPoint	Apr. 26 - Dec. 31.	Recreational/biological sampling
	Carrie White	May 18 - Nov. 22	Recreational/data processing
Florence	Sandra Kennedy	Apr. 26 - Oct. 1	Recreational
Winchester Bay	Ryan Nevala	Apr. 26 - Oct. 1	Combination troll/recreational
	Dan Jenkins	Apr. 26 - Oct. 1	Combination troll/recreational
	<i>Barbara Herring</i>	<i>July 1 - July 9</i>	<i>Selective Fishery Observer</i>
Coos Bay	Emily Kolkemo	Jan. 24 - May 28	Combination troll/recreational
	James Deel	Apr. 3 - Oct. 29	Combination troll/recreational
	Lisa Biggs	Apr. 26 - Oct. 1	Combination troll/recreational
	James Wallace	May 25 - Dec. 31	Combination troll/recreational
Bandon	Chris Nagy	Apr. 26 - Sept. 22	Recreational
Port Orford	Damon Zeller	May 25 - Oct. 28	Combination troll/recreational
Gold Beach	Brett Wiedoff	Apr. 26 - Oct. 1	Recreational
Brookings	Maria Taggart	Apr. 3 - Nov. 9	Recreational
	John Dorfer	May 25 - Aug. 27	Recreational
	Rod Black	Jan 1 - Dec. 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, 1991-2000.

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
CHINOOK										
Astoria	11	52	2	0	0	0	0	0	0	12.1
Gearhart	8	0	0	-	-	-	-	-	-	-
Cannon Beach	0	0	0	-	-	-	-	-	-	-
Nehalem	-	-	-	-	-	0	0	-	-	-
Garibaldi	7	40	13	31	30	21	48	42	40	21.8
Netarts	0	0	-	0	-	0	0	-	-	-
Pacific City	19	2	0	0	0	0	0	0	0	0
Salmon River	-	-	-	0	-	-	-	-	-	-
Depoe Bay	0	0	0	0	0	0	0	0	0	0
Newport	29	32	30	18	31	43	45	26	26	32.4
Waldport	-	-	-	-	-	-	-	-	-	-
Florence	52	37	9	12	7	9	25	0	23	40.4
Winchester Bay	15	0	0	0	0	29	36	0	31	7
Coos Bay	21	0	21	26	23	28	34	47	25	25.2
Bandon	0	0	0	0	0	0	2	0	0	1.1
Port Orford	0	94	50	61	47	49	32	14	28	29.8
Gold Beach	0	-	-	95	52	99	52	13	0	5.4
Brookings	58	0	0	52	46	27	43	46	42	39.9
Total	24	29	24	23	27	36	41	27	25	26
COHO										
Astoria	24	14	14	-	-	-	-	-	-	56.4
Gearhart	40	0	0	-	-	-	-	-	-	0
Cannon Beach	2	0	0	-	-	-	-	-	-	0
Nehalem	-	-	-	-	-	-	-	-	-	-
Garibaldi	21	45	0	-	-	-	-	-	-	-
Netarts	0	0	-	-	-	-	-	-	-	-
Pacific City	31	19	-	-	-	-	-	-	-	-
Salmon River	-	-	-	-	-	-	-	-	-	-
Depoe Bay	2	0	-	-	-	-	-	-	-	-
Newport	29	32	0	-	-	-	-	-	-	-
Waldport	-	-	-	-	-	-	-	-	-	-
Florence	48	49	-	-	-	-	-	-	-	-
Winchester Bay	28	0	-	-	-	-	-	-	-	-
Coos Bay	28	0	0	-	-	-	-	-	-	-
Bandon	0	0	-	-	-	-	-	-	-	-
Port Orford	0	-	-	-	-	-	-	-	-	-
Gold Beach	0	-	-	-	-	-	-	-	-	-
Brookings	1	-	-	-	-	-	-	-	-	-
Total	27	30	9	NA	NA	NA	NA	NA	NA	54.6
# Samplers	8^b	10^a	6^a	4^a	2^b	2^c	4^d	3^e	3^d	2^f

^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 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, 1948-2000.

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, 1948-00.

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, 1948-00.

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, 1948-00.

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, 1948-00.

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.
1990 <u>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	All except coho	Chin. 28"; barbless hooks. Columbia River Mouth Conservation Zone closed.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-00.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
(1990 continued) 8/18 - 21; 8/25 - 26	All salmon	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.
1991 <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.
<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, 1948-00.

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.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-00.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
(1993 continued)		
<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.
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 60 fish. 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	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire.
9/1-30	All except coho	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	All except coho	Chin. 26"; barbless hooks. No more than 4 spreads per wire.
9/1-10/31	All except coho	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.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-00.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
(1995 continued)		
<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.
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.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-00.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
(1997 continued) <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.
<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.

Appendix Table 3 continued. History of actual Oregon ocean commercial troll fishery regulations, 1948-00.

AREA AND SEASON	SPECIES	SIZE, GEAR, AND OTHER RESTRICTIONS
(1999 continued)		
<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.
<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.

Appendix Table 4. Oregon ocean troll effort (number of days fished) by statistical month of landing, area of landing, and by year, 1979-2000.

Columbia Area (2)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1979	0	<50	<50	700	1,200	<50	0	<50	0	2,000
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

Tillamook Area (3)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1979	0	<50	<50	3,000	3,100	<50	<50	<50	0	6,200
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

Appendix Table 4 (cont). Oregon ocean troll effort (number of days fished) by statistical month, area, and by year, 1979-2000.

Newport Area (4)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1979	0	300	<50	5,900	6,200	200	200	<50	0	12,800
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

Charleston Area (5)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1979	0	700	200	8,300	6,800	400	500	<50	0	16,800
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

Appendix Table 4 (cont). Oregon ocean troll effort (number of days fished) by statistical month, area, and by year, 1979-2000.

Brookings Area (6)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1979	0	<50	100	3,100	3,800	700	1,300	800	0	9,900
1980	0	800	200	1,300	2,300	1,900	1,100	500	0	8,000
1981	0	600	<50	1,800	3,500	1,100	1,600	500	0	9,100
1982	0	300	200	2,900	2,900	1,000	900	600	0	8,800
1983	0	200	900	1,500	300	100	600	100	0	3,700
1984	0	200	<50	400	1,600	<50	200	200	0	2,600
1985	0	<50	<50	100	200	100	200	200	0	900
1986	0	500	700	600	1,100	0	200	100	0	3,200
1987	0	500	900	0	0	0	300	300	0	2,000
1988	0	300	600	0	0	100	100	300	0	1,400
1989	0	200	300	0	400	300	<50	<50	0	1,300
1990	0	<50	0	0	400	<50	0	0	0	400
1991	0	0	0	0	<50	<50	0	0	0	<50
1992	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0
1994	0	<50	<50	0	<50	<50	200	<50	0	300
1995	0	<50	<50	<50	0	0	200	0	0	300
1996	0	100	<50	0	200	0	200	0	0	500
1997	<50	100	0	<50	<50	<50	200	0	0	400
1998	0	<50	<50	<50	<50	0	200	0	0	200
1999	<50	<50	0	<50	100	<50	100	<50	0	200
2000	0	<50	0	0	100	<50	100	0	0	300

Totals For Oregon

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1979	0	1,100	300	21,000	21,100	1,300	2,000	800	0	47,600
1980	0	2,000	3,400	12,100	13,600	4,400	2,300	500	0	38,400
1981	0	3,200	100	21,100	16,800	1,400	1,800	500	0	44,800
1982	0	2,200	2,000	18,000	5,600	2,700	1,500	600	0	32,600
1983	0	1,400	3,500	10,400	3,800	1,100	1,100	100	0	21,500
1984	0	400	400	2,100	4,300	200	300	200	0	7,800
1985	0	3,000	2,000	6,100	6,500	1,900	900	200	0	20,700
1986	0	3,900	4,000	14,400	6,700	2,000	1,300	100	0	32,500
1987	0	3,500	3,900	16,200	7,300	5,500	2,700	300	0	39,300
1988	0	4,600	9,500	14,100	14,000	4,300	3,800	400	0	50,800
1989	0	6,200	7,100	13,600	8,800	3,400	2,100	800	0	42,100
1990	0	2,800	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	0	100	300	1,100	100	0	3,800
1995	0	1,000	1,600	<50	2,600	1,300	1,200	200	0	7,900
1996	0	1,500	1,900	100	2,000	1,600	1,200	100	0	8,400
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

Appendix Table 4 (cont). Oregon ocean troll effort (number of days fished) by statistical month, area, and by year, 1979-2000.

Alaska Area (8)

	APR.	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	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

Washington Area (1)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1979	0	200	0	200	1,000	0	0	0	0	1,400
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

Appendix Table 4 (cont). Oregon ocean troll effort (number of days fished) by statistical month, area, and by year, 1979-2000.

California Area (7)

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1979	0	<50	<50	<50	<50	0	0	0	0	100
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

Coastwide Totals

	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
1979	0	1,300	300	21,200	22,100	1,300	2,000	800	0	49,000
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

Appendix Table 5. Oregon commercial troll landings of chinook and coho salmon (numbers of fish) by area of catch, by month, and by year, 1979-2000.

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

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	12,250

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

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

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, 1979-2000.

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

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

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

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

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, 1979-2000.

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

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

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

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

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, 1979-2000.

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	<50	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

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

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

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

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, 1979-2000.

Totals for Oregon Catch Areas

CHINOOK											COHO											
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals	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	1979	0	0	300	530,700	144,500	3,900	0	0	0	679,700	
1980	0	22,100	29,400	39,400	70,700	25,700	15,100	1,100	0	203,100	1980	0	0	0	190,745	173,900	15,300	0	0	0	379,900	
1981	0	26,800	600	28,500	71,200	14,800	12,300	1,400	0	155,600	1981	0	0	0	306,900	303,400	0	0	0	0	610,400	
1982	0	21,900	12,100	116,600	51,000	11,700	7,400	1,400	0	222,100	1982	0	0	0	502,900	0	0	0	0	0	0	502,900
1983	0	9,400	13,800	33,900	10,300	1,900	4,900	800	0	75,000	1983	0	0	0	275,200	36,800	6,400	0	0	0	0	318,400
1984	0	2,500	2,500	20,000	34,400	800	1,200	700	0	61,900	1984	0	0	0	0	13,600	0	0	0	0	0	13,600
1985	0	32,900	20,400	59,300	70,400	24,500	4,300	1,000	0	212,900	1985	0	<50	0	43,900	18,300	0	0	0	0	0	62,100
1986	0	36,200	52,600	134,000	117,700	34,400	26,100	800	0	401,900	1986	0	0	12,100	382,200	46,100	0	0	0	0	0	440,400
1987	0	41,200	55,200	262,100	87,600	60,600	15,100	1,900	0	523,800	1987	0	0	4,100	258,700	63,700	19,800	0	0	0	0	346,200
1988	0	61,600	97,700	98,400	133,000	26,600	44,600	1,700	0	463,600	1988	0	0	1,300	387,500	233,700	0	0	0	0	0	622,400
1989	0	100,100	62,500	71,200	75,200	25,000	16,000	3,100	0	353,200	1989	0	0	1,000	374,800	70,100	9,900	0	0	0	0	455,700
1990	0	15,200	33,000	105,900	64,700	9,000	4,200	<50	0	232,100	1990	0	0	100	82,400	32,300	6,200	300	0	0	0	121,400
1991	0	3,500	12,700	11,200	16,000	19,500	11,600	0	0	74,400	1991	0	0	91,200	188,800	16,700	10,100	0	0	0	0	306,800
1992	0	20,400	1,600	26,400	31,700	12,300	17,400	0	0	109,700	1992	0	0	0	18,100	31,600	<50	<50	0	0	0	49,600
1993	0	21,000	15,500	11,500	11,000	14,500	7,000	1,000	0	81,500	1993	0	0	0	200	600	900	<50	0	0	0	1,700
1994	0	8,000	8,800	100	200	1,100	6,700	400	0	25,200	1994	0	0	0	0	0	0	0	0	0	0	0
1995	0	13,100	28,100	7,200	89,700	46,500	28,300	800	0	213,800	1995	0	0	0	0	0	0	0	0	0	0	0
1996	0	21,400	45,400	3,200	61,100	29,200	12,700	2,300	0	175,200	1996	0	0	0	0	0	0	0	0	0	0	0
1997	6,900	30,400	36,000	0	44,700	26,900	4,100	700	0	149,600	1997	0	0	0	0	0	0	0	0	0	0	0
1998	20,000	39,700	29,800	4,300	20,600	5,000	4,000	900	0	124,200	1998	0	0	0	0	0	0	0	0	0	0	0
1999	800	6,100	23,500	8,100	18,000	1,900	2,800	1,300	<50	62,500	1999	0	0	0	0	0	0	0	0	0	0	0
2000	1,200	6,100	11,700	19,800	51,400	30,800	13,100	1,600	400	136,600	2000	0	0	0	0	11,600	700	0	0	0	0	12,300

Totals For All Oregon Landings

CHINOOK											COHO											
Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals	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	1979	0	0	400	537,100	153,500	6,400	0	0	0	697,100	
1980	0	26,000	29,700	39,700	72,000	26,000	15,100	1,100	0	209,000	1980	0	0	1,000	195,200	180,200	17,500	0	0	0	392,900	
1981	0	27,700	700	29,600	72,000	16,800	12,300	1,400	0	160,700	1981	0	0	0	318,300	304,200	0	0	0	0	622,500	
1982	0	24,700	13,200	121,500	52,000	12,100	7,400	1,400	0	232,100	1982	0	0	0	518,300	100	0	0	0	0	0	518,400
1983	0	11,100	14,700	34,100	12,100	1,900	4,900	800	0	79,500	1983	0	0	<50	275,300	38,000	6,400	0	0	0	0	319,600
1984	0	4,500	2,500	20,200	34,500	800	1,200	700	0	64,300	1984	0	0	0	0	13,800	0	0	0	0	0	13,800
1985	0	34,500	20,400	61,400	70,900	24,600	4,300	1,000	0	217,100	1985	0	<50	0	66,000	18,300	0	0	0	0	0	84,200
1986	0	36,500	52,600	134,100	118,100	34,400	26,100	800	0	402,700	1986	0	0	12,100	382,200	46,100	0	0	0	0	0	440,400
1987	0	43,400	56,500	264,100	87,600	60,700	15,100	1,900	0	529,300	1987	0	0	4,400	266,200	63,700	19,800	0	0	0	0	354,000
1988	0	62,600	100,100	100,400	134,000	26,600	44,600	1,700	0	470,100	1988	0	0	1,600	387,800	233,900	0	0	0	0	0	623,200
1989	0	100,300	62,600	71,300	75,200	25,100	16,000	3,100	0	353,500	1989	0	0	1,000	374,800	70,100	9,900	0	0	0	0	455,700
1990	0	15,500	33,000	105,900	64,800	9,000	4,200	<50	0	232,400	1990	0	0	100	82,500	33,200	6,200	300	0	0	0	122,300
1991	0	3,500	12,700	11,200	16,100	19,500	11,600	0	0	74,600	1991	0	0	91,200	188,800	16,700	10,500	0	0	0	0	307,100
1992	0	20,500	2,300	26,400	31,700	12,300	17,400	0	0	110,500	1992	0	0	0	18,100	31,700	<50	<50	0	0	0	49,800
1993	0	21,000	15,500	11,500	11,000	14,600	7,000	1,000	0	81,500	1993	0	0	0	200	600	900	<50	0	0	0	1,700
1994	0	8,000	8,800	200	200	1,100	6,700	400	0	25,300	1994	0	0	0	0	0	0	0	0	0	0	0
1995	0	13,100	28,800	1,300	89,700	46,500	28,300	800	0	214,600	1995	0	0	0	0	0	0	0	0	0	0	0
1996	0	21,400	45,400	3,200	61,600	30,600	12,700	2,300	0	177,100	1996	0	0	0	0	0	0	0	0	0	0	0
1997	6,900	30,400	36,000	100	44,700	26,900	4,100	700	0	149,700	1997	0	0	0	0	0	0	0	0	0	0	0
1998	20,000	39,700	29,800	5,000	20,600	5,000	4,000	900	0	124,900	1998	0	0	0	0	0	0	0	0	0	0	0
1999	800	6,100	23,700	8,600	18,500	1,900	2,800	1,300	<50	63,700	1999	0	0	0	<50	200	0	0	0	0	0	200
2000	1,200	6,300	11,900	19,900	51,400	30,800	13,100	1,600	400	136,600	2000	0	0	0	0	11,600	700	0	0	0	0	12,300

Appendix Table 6. Oregon commercial ocean troll salmon chinook catch, in number of fish, by statistical week^a and area of catch, 2000.

Stat. Week	Area of catch					OR Subtotal	AK 8	WA 1	CA 7	Total
	Col. R. 2	Tillamook 3	Newport 4	Coos Bay 5	Brookings 6					
15	-	0	36	73	-	109	0	0	0	109
16	-	0	315	114	-	429	0	0	0	429
17	-	1	222	293	-	516	0	0	0	516
18	-	0	22	111	-	133	0	0	0	133
19	0	14	175	297	1	487	0	0	0	487
20	0	38	832	311	7	1,188	0	126	0	1,314
21	9	78	2,205	799	9	3,100	0	63	0	3,163
22	0	40	1,214	61	4	1,319	0	26	0	1,345
23	0	77	239	79	-	395	0	0	0	395
24	236	367	423	294	-	1,320	0	0	0	1,320
25	0	81	736	65	-	882	0	222	0	1,104
26	-	1,799	1,014	223	-	3,036	0	0	0	3,036
27	-	1,493	3,350	1,201	-	6,044	0	0	0	6,044
28	-	238	1,877	1,545	-	3,660	0	0	0	3,660
29	-	146	1,228	3,400	-	4,774	0	0	28	4,802
30	-	185	1,304	9,498	-	10,987	0	0	0	10,987
31	-	-	-	360	-	360	0	0	96	456
32	529	10	1,494	3,638	647	6,318	0	0	0	6,318
33	388	2,213	3,013	8,213	758	14,585	0	0	0	14,585
34	572	2,482	3,657	8,782	-	15,493	0	0	0	15,493
35	383	1,003	4,044	6,073	-	11,503	0	0	0	11,503
36	79	179	1,970	571	746	3,545	0	0	0	3,545
37	49	205	4,722	3,268	433	8,677	0	0	0	8,677
38	-	290	5,397	5,929	-	11,616	0	0	0	11,616
39	-	95	2,064	715	-	2,874	0	0	0	2,874
40	-	921	2,743	4,006	-	7,670	0	0	0	7,670
41	-	1,432	961	987	-	3,380	0	0	0	3,380
42	-	1,600	2,109	1,294	-	5,003	0	0	0	5,003
43	-	409	1,157	451	307	2,324	0	0	0	2,324
44	-	710	459	637	554	2,360	0	0	0	2,360
45	-	14	29	645	-	688	0	0	0	688
46	-	-	-	452	-	452	0	0	0	452
47	-	-	-	122	-	122	0	0	0	122
48	-	-	-	117	-	117	0	0	0	117
49	-	-	-	187	-	187	0	0	0	187
50	-	-	-	367	-	367	0	0	0	367
Total	2,245	16,120	49,011	65,178	3,466	136,020	0	437	124	136,581

^a Refer to Appendix Table 21 for 2000 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, 2000.

Stat. Week	Area of catch					Subtotal	AK 8	WA 1	CA 7	Total
	Col. R. 2	Tillamook 3	Newport 4	Coos Bay 5	Brookings: 6					
15	-	-	-	-	-	0	0	0	0	0
16	-	-	-	-	-	0	0	0	0	0
17	-	-	-	-	-	0	0	0	0	0
18	-	-	-	-	-	0	0	0	0	0
19	-	-	-	-	-	0	0	0	0	0
20	-	-	-	-	-	0	0	0	0	0
21	-	-	-	-	-	0	0	0	0	0
22	-	-	-	-	-	0	0	0	0	0
23	-	-	-	-	-	0	0	0	0	0
24	-	-	-	-	-	0	0	0	0	0
25	-	-	-	-	-	0	0	0	0	0
26	-	-	-	-	-	0	0	0	0	0
27	-	-	-	-	-	0	0	0	0	0
28	-	-	-	-	-	0	0	0	0	0
29	-	-	-	-	-	0	0	0	0	0
30	-	-	-	-	-	0	0	0	0	0
31	-	-	-	-	-	0	0	0	0	0
32	3,379	-	-	-	-	3,379	0	0	0	3,379
33	3,208	-	-	-	-	3,208	0	0	0	3,208
34	2,561	-	-	-	-	2,561	0	0	0	2,561
35	1,935	-	-	-	-	1,935	0	0	0	1,935
36	517	-	-	-	-	517	0	0	0	517
37	658	-	-	-	-	658	0	0	0	658
38	-	-	-	-	-	0	0	0	0	0
39	-	-	-	-	-	0	0	0	0	0
40	-	-	-	-	-	0	0	0	0	0
41	-	-	-	-	-	0	0	0	0	0
42	-	-	-	-	-	0	0	0	0	0
43	-	-	-	-	-	0	0	0	0	0
44	-	-	-	-	-	0	0	0	0	0
45	-	-	-	-	-	0	0	0	0	0
46	-	-	-	-	-	0	0	0	0	0
47	-	-	-	-	-	0	0	0	0	0
48	-	-	-	-	-	0	0	0	0	0
49	-	-	-	-	-	0	0	0	0	0
50	-	-	-	-	-	0	0	0	0	0
Total	12,258	0	0	0	0	12,258	0	0	0	12,258

^a Refer to Appendix Table 21 for 2000 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, 1971-2000.

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

^a Dressed weight value

Appendix Table 9. Recreational ocean salmon sampling rates at Oregon ports, 1991-2000 (NF=No Fishery, NS=No Sampling).

Port	Percent of Catch Sampled ^a									
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Astoria	50	44	42	NF	32	37	46	45	37	42
Garibaldi	34	37	52	24 ^c	42	32 ^c	41	53	56	47
Pacific City	69	70	84		100		75	55	78	76
Depoe Bay	48	46	74	40 ^c	75	72	65	76	73	57
Newport	28	36	36		50	46	53	54	50	50
Florence	33	34	40	33	40	64	45	59	79	90
Winchester Bay	26	25	45	40 ^c	NS	42	54	25	43	39
Coos Bay	30	39	38		28	43	36	36	58	63
Bandon	NS	NS	NS	NS	NS	NS	NS	NS	33	76 ^c
Port Orford	NS	NS	NS	NS	NS	NS	NS	NS	25	
Gold Beach	NS	NS	NS	NS	NS	NS	NS	38	39	53
Brookings	34	34	58	28	36	33	29	42	31	34
Coastwide percentage	35	37	43	26	34	36	40	45	44	47
Number of samplers	21	21	24 ^b	12	13	15	15	15	22	30 ^d
Sampler months	62	64	69 ^b	47	56	58	61	61	91	142 ^d

^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.

^d Higher than usual number of samplers were assigned to sample both commercial and recreational landings.

Appendix Table 10. Summary of Oregon's recreational ocean salmon regulations, 1946-2000.

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	
	State 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	
	State 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.
	State waters off Elk and Chetco Rivers	11/1-30	All	2	NA	40	22	NA	NA	None	Chinook only fishery.

86

Appendix Table 10. Summary of Oregon's recreational ocean salmon regulations, 1946-2000.

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 Chetco 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 Chetco 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 Humbug Mt. (0-3 miles)	11/1-30	All	2	NA	40	20	NA	NA	Barbless hooks	Chinook only.	
1985	North of Cape Falcon	6/30-8/22	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ a/ 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.	

Appendix Table 10. Summary of Oregon's recreational ocean salmon regulations, 1946-2000.

Year	Open Area	Open Season	Open Days	Catch Limits			Size Limits (inches)			Gear Restrictions	Misc Regulations
				Daily	7 Day	Annual	Chin.	Coho	Pink		
1986	North of Cape Falcon	6/29-9/19	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ a/ 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 a/ closed.
	North of Cape Falcon (3-200 miles)	7/19-8/6	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ a/ closed.
	North of Cape Falcon	8/9-19	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ a/ 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
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.
1989		North of Cape Falcon (0-6 miles)	5/28-6/12	Sun-Mon	2	NA	40	24	NA	none	Barbless hooks
	North of Cape Falcon	6/26-8/17	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ a/ 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.

Appendix Table 10. Summary of Oregon's recreational ocean salmon regulations, 1946-2000.

Year	Open Area	Open Season	Open Days	Catch Limits			Size Limits (inches)			Gear Restrictions	Misc Regulations
				Daily	7 Day	Annual	Chin.	Coho	Pink		
1990	North of Cape Falcon	6/24-8/30; 9/8-9	Sun-Thurs	2	NA	40	24	16	none	Barbless hooks	CRCZ a/ 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 a/ closed.
	North of Cape Falcon	9/15-18; 9/26	All	2	NA	40	24	16	none	Barbless hooks	CRCZ a/ 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.	5/25-7/28	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 a/ closed.
	North of Cape Falcon	8/2-6; 9/16-17; 9/27	Sun-Thurs	2	4	40	24	16	none	Barbless hooks	CRCZ a/ 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	
1993	North of Cape Falcon	7/5-9/9	Sun-Thurs	2	4	40	24	16	none	Barbless hooks	CRCZ a/ closed.
	North of Cape Falcon	9/12-23	All	2	4	40	24	16	none	Barbless hooks	CRCZ a/ closed.
	Cape Falcon to Humbug Mt. (0-27 fathoms)	5/1-6/6	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	

Appendix Table 10. Summary of Oregon's recreational ocean salmon regulations, 1946-2000.

Year	Open Area	Open Season	Open Days	Catch Limits			Size Limits (inches)			Gear Restrictions	Misc Regulations
				Daily	7 Day	Annual	Chin.	Coho	Pink		
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)	6/5-19	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 bait > 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)	9/16-11/15	All	2	6	40	20	NA	none	Artificial plugs, whole or plug-cut bait > 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 bait > 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 Cape Arago (0-3 m.)	9/16-10/31	All	2	6	40	20	NA	none	Artificial plugs or bait > 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 bait > 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 bait > 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 bait > 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)
1997	North of Cape Falcon	7/21 - 8/7	Sun-Thurs	2	4	20	NA	16	none		
	Cape Falcon to Humbug Mt.	4/15 - 7/6; 8/1 - 10/31	All	2	6	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.	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.	11/1 - 11/30	All	1	4	20	20	NA	none	Barbless hooks	Chinook only (0-3 miles)
	Humbug Mt. to Horse Mt.	5/24 - 5/30; 6/17 - 7/6; 8/12 - 9/14	All	1	4	20	20	NA	none	Barbless hooks	Open to all salmon except coho
Goat Island to 42 01' 20"N	10/4 - 10/12	All	1	4	20	20	NA	none	Barbless hooks	Chinook only (0-3 miles)	

Appendix Table 10. Summary of Oregon's recreational ocean salmon regulations, 1946-2000.

Year	Open Area	Open Season	Open Days	Catch Limits			Size Limits (inches)			Gear Restrictions	Misc Regulations
				Daily	7 Day	Annual	Chln.	Coho	Pink		
1998	North of Cape Falcon	8/3 - 8/9; 9/3	Sun-Thurs	2	4	20	24	16	none		All coho must have a healed adipose fin clip. Not more than one chinook per day. Not more than 4 fish per calendar week (Sun-Sat). CRCZ w/ closed. Open to all salmon except coho
	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.	
	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.	11/1 - 11/30	All	1	4	20	20	NA	none	Barbless hooks	Chinook only (0-3 miles)
	Humbug Mt. to Horse Mt.	5/23 - 6/10; 6/21 - 7/5; 8/11 - 9/13	All	1	4	20	20	NA	none	Barbless hooks	Open to all salmon except coho
	Goat Island to 42° 01' 20"N	10/5 - 10/14	All	1	4	20	20	NA	none	Barbless hooks	Chinook only (0-3 miles)
1999	Leadbetter Point, WA to Cape Falcon	7/19-9/30	Sun-Thurs	2	4	20	24	16	none		All coho must have a healed adipose fin clip. Not more than one chinook per day. Not more than 4 fish per calendar week (Sun-Sat). CRCZ w/ closed. Open to all salmon except coho
	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.	
	Twin Rocks to Pyramid Rock (0-3 miles)	7/10-11, 14-15, 18-19, 22-23, 26-27, 30-31	2 open 2 closed	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.	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.	
	Cape Blanco to Humbug Mt.	11/1 - 12/15	All	2	NA	20	20	NA	none	Barbless hooks	Chinook only (0-3 miles)
	Humbug Mt. to Horse Mt.	5/29 - 7/4; 7/29 - 9/14	All	1	4	20	20	NA	none	Barbless hooks	Open to all salmon except coho
	Goat Island to 42° 01' 20"N	10/2 - 10/11	All	1	4	4	20	NA	none	Barbless hooks	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	Not more than 1 chinook per day. All coho must have a healed adipose fin clip. Closed within CRCZ. Closed to retention of coho south of Tillamook Head beginning August 1.
	Cape Falcon to Humbug Mountain	4/1-6/30	All	2	6	20	20	NA	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.	
		8/1-10/31	Closed Mon and Fri	2	6	20	20	16	none	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.
	Humbug Mountain to Horse Mountain	5/27-7/6	All	1	4	20	20	NA	none	2 single-point, single-shank barbless hooks.	
		7/29-10/10									

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Year	Open Area	Open Season	Open Days	Catch Limits			Size Limits (Inches)			Gear Restrictions	Misc Regulations
				Daily	7 Day	Annual	Chin.	Coho	Pink		
2001	Leadbetter Point, WA to Cape Falcon	7/1-9/3	Sun.-Thurs	2	NA	NA	24	16	none	Single-point, single-shank, barbless hooks	Closed between Cape Falcon and Tillamook Head beginning Aug. 1. Columbia Control Zone closed.
	North Head Lighthouse to Tillamook Head	9/4-9/30	All	1	NA	NA	24	16	none	Single-point, single-shank, barbless hooks	Columbia Control Zone closed.
	Cape Falcon to Humbug Mountain	4/1-6/21, 8/1-10-31	All	2	6	NA	20	NA	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. Applicable 4/1-4/30.	Tillamook Triangular Control Zone closed 4/1-4/30 and 6/1-8/31.
	Humbug Mountain to Horse Mountain	6/22-7/19	All	2	6	NA	20	16	none	No more than 2 single-point, single-shank barbless hooks.	Klamath River Control Zone closed.
		5/17-7/8	All	2	4	NA	20	NA	none	No more than 2 single-point, single-shank barbless hooks.	
		7/24-9/3	All	2	6	NA	20	NA	none	No more than 2 single-point, single-shank barbless hooks.	
	State waters off Tillamook River	4/1-7/31	All	2	4	10	20	NA	none	No more than 2 single-point, single-shank barbless hooks.	Annual adult limit applies to Tillamook Terminal Area and Nestucca basins in aggregate (rivers and bays combined) from 8/1 - 12/31.
		8/1-11/15	All	2	4	10	20	NA	none	No more than 2 single-point, single-shank barbless hooks.	Annual adult limit applies to Tillamook Terminal Area and Nestucca basins in aggregate (rivers and bays combined) from 8/1 - 12/31.
	State waters off Elk River	11/1-12/15	All	2	NA	NA	20	NA	none	No more than 2 single-point, single-shank barbless hooks.	
	State waters off Clifton River	10/1 -10/12	All	1	NA	4	20	NA	none	No more than 2 single-point, single-shank barbless hooks.	

104

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

Appendix Table 11. Oregon ocean recreational salmon angler effort, by port and statistical week^a for 2000. (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	-	NS	NS	0	0	NS	NS	0	NS	NS	-	-	0
15	-	0	NS	0	0	NS	NS	0	NS	NS	-	-	0
16	-	2	NS	0	0	NS	NS	4	NS	NS	-	-	6
17	-	10	NS	0	4	NS	NS	0	NS	NS	-	-	14
18	-	2	0	0	0	0	0	4	0	NS	-	-	6
19	-	16	0	0	0	0	3	2	0	NS	-	-	21
20	-	111	0	5	0	1	16	6	2	NS	-	-	141
21	-	201	0	0	9	2	33	11	0	NS	-	-	256
22	-	76	0	0	0	0	4	0	0	0	0	184	264
23	-	80	0	0	19	6	25	35	3	0	0	451	619
24	-	0	0	0	0	0	5	11	0	0	3	304	323
25	-	8	2	17	8	3	0	3	4	0	0	187	232
26	-	18	0	12	0	0	69	0	0	0	0	278	377
27	-	476	408	376	1,147	176	776	572	41	1	6	1,362	5,341
28	-	474	489	900	2,068	227	1,012	1,207	63	0	16	1,184	7,640
29	1,172	406	317	782	1,607	134	1,490	557	61	3	-	-	6,529
30	1,316	451	459	1,153	2,601	533	2,169	1,725	121	0	-	-	10,528
31	1,478	270	97	292	743	298	2,201	1,319	196	2	52	1,386	8,334
32	1,725	59	14	31	206	68	734	632	119	0	74	3,059	6,721
33	2,721	131	19	43	191	143	1,401	658	119	0	138	2,751	8,315
34	-	5	19	20	119	101	748	435	220	14	69	2,813	4,563
35	-	88	9	41	126	33	791	429	139	2	34	1,478	3,170
36	-	42	5	61	77	19	196	164	50	3	46	1,448	2,111
37	-	68	2	12	35	40	120	34	3	0	24	1,453	1,791
38	-	985	6	43	86	35	415	57	29	0	-	-	1,656
39	-	1,060	4	50	29	34	164	23	25	4	-	-	1,393
40	-	1,280	NS	13	6	35	96	20	NS	6	-	-	1,456
41	-	1,752	NS	2	30	NS	NS	10	NS	0	NS	1,272	3,066
42	-	898	NS	0	18	NS	NS	4	NS	3	NS	1,933	2,856
43	-	300	NS	0	0	NS	NS	6	NS	4	NS	0	310
44	-	226	NS	0	0	NS	NS	65	NS	14	NS	0	305
45	-	59	NS	0	0	NS	NS	0	NS	NS	NS	0	59
46	-	89	NS	0	0	NS	NS	0	NS	NS	NS	0	89
47	-	87	NS	0	0	NS	NS	0	NS	NS	NS	0	87
	8,412	9,730	1,850	3,853	9,129	1,888	12,468	7,993	1,195	56	462	21,543	78,579

^a Refer to Appendix Table 21 for 2000 statistical week calendar.

Appendix Table 12. Oregon ocean recreational effort in salmon angler trips by area and month, 1979-2000.^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
<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

Appendix Table 12 continued. Oregon ocean recreational effort in salmon angler trips 1979-00.^a

Area	April	May	June	July	August	Sept.	Oct.	Nov.	Season ^b
Newport									
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	0	13,000
Coos Bay									
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	0	23,600

Appendix Table 12 continued. Oregon ocean recreational effort in salmon angler trips 1979-00.^a

Area	April	May	June	July	August	Sept.	Oct.	Nov.	Season ^b
Brookings									
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	0	22,000
All Areas									
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

^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, 1976-00.

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	10,300	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
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	500	2,700	5,300	8,100	21,700	38,300
1989	1,500	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
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	0	0	<50	<50
1995	11,800	<50	<50	0	100	11,900
1996	7,000	<50	<50	<50	100	7,200
1997	5,800	<50	<50	<50	100	6,000
1998	2,100	<50	<50	100	<50	2,300
1999	7,600	1,000	4,000	1,100	<50	13,600
2000	13,700	2,000	12,300	5,100	100	33,200

^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 Port Orford, Gold Beach and Brookings.

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

Appendix Table 14. Oregon ocean recreational chinook catch (number of fish) by catch area and month, 1980-2000.

Area ^a	Chinook								Season ^b
	April	May	June	July	August	Sept.	Oct.	Nov.	
<u>Columbia River</u>									
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
<u>Tillamook^e</u>									
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	-	100	<50	200	<50	700	500	<50	1,600
2000	0	<50	100	100	<50	500	400	100	1,200
<u>Newport</u>									
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	-	<50	<50	300	<50	<50	<50	-	300
2000	-	<50	100	700	500	300	<50	-	1,600

Appendix Table 14 continued. Oregon ocean recreational chinook catch (number of fish), 1980-2000.

Area ^a	Chinook								Season ^b
	April	May	June	July	August	Sept.	Oct.	Nov.	
Coos Bay									
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	-	<50	200	900	400	<50	0	-	1,400
2000	-	<50	400	6,600	2,600	500	<50	-	10,100
Brookings									
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	-	200	300	300	400	200	400	-	1,900
1999	-	<50	<50	900	1,700	500	300	-	3,400
2000	-	<50	400	2,100	8,000	500	800	-	11,800
All Areas									
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	-	300	400	600	1,000	800	900	-	4,000
1999	-	100	300	2,400	2,700	1,300	900	-	7,700
2000	-	100	1,000	9,900	11,400	1,800	1,200	100	25,500

^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 2000. (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	-	NS	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	2	NS	NS	-	-	2
18	-	2	0	0	0	NS	0	0	NS	NS	-	-	2
19	-	0	0	0	0	NS	1	0	0	NS	-	-	1
20	-	11	0	0	2	0	0	3	0	NS	-	-	16
21	-	20	0	0	7	0	0	5	0	NS	-	-	32
22	-	14	0	0	0	0	0	0	0	0	0	16	30
23	-	16	0	0	0	0	0	4	0	0	0	38	58
24	-	0	0	0	0	0	0	0	0	0	0	78	78
25	-	0	1	0	0	0	0	0	1	0	0	24	26
26	-	4	0	7	0	0	8	2	0	0	0	4	25
27	-	15	29	29	112	10	30	300	21	0	0	288	834
28	-	6	19	49	162	17	327	581	44	0	0	134	1,339
29	62	9	8	41	97	15	325	399	71	0	0	0	1,027
30	227	8	20	26	172	117	1,221	705	145	0	0	0	2,641
31	146	16	7	28	124	44	1,163	1,184	275	0	9	1,917	4,913
32	150	7	2	11	45	7	378	487	121	0	16	2,738	3,962
33	181	6	2	47	53	2	190	55	129	0	19	2,130	2,814
34	-	0	0	15	49	15	114	163	283	0	11	1,289	1,939
35	-	5	0	52	69	7	283	92	156	0	12	410	1,086
36	-	7	0	59	52	1	42	16	17	0	6	1,354	1,554
37	-	13	0	2	26	10	73	10	3	0	1	514	652
38	-	148	0	52	128	5	233	27	32	0	-	-	625
39	-	157	0	26	30	0	18	3	30	0	-	-	264
40	-	188	NS	3	12	0	26	9	NS	0	-	-	238
41	-	231	NS	1	0	NS	NS	2	NS	0	-	202	436
42	-	106	NS	0	0	NS	NS	9	NS	0	-	608	723
43	-	37	NS	0	1	NS	NS	3	NS	0	-	-	41
44	-	28	NS	0	0	NS	NS	17	NS	0	-	-	45
45	-	12	NS	0	0	NS	NS	0	NS	NS	-	-	12
46	-	23	-	-	-	-	-	-	-	NS	-	-	23
47	-	28	-	-	-	-	-	-	-	NS	-	-	28
	766	1,117	88	448	1,141	250	4,432	4,078	1,328	0	74	11,744	25,466

^a Refer to Appendix Table 21 for 2000 statistical week calendar.

Appendix Table 16. Oregon ocean recreational coho catch (number of fish) by catch area and month, 1981-2000.

Area ^a	Coho						Season ^b
	May	June	July	August	Sept.	Oct.	
<u>Columbia R.</u>							
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
<u>Tillamook</u>							
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
<u>Newport</u>							
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

Appendix Table 16 (cont.) Oregon ocean recreational coho catch (number of fish) by catch area and month, 1981-2000.

Area ^a	Coho						Season ^b
	May	June	July	August	Sept.	Oct.	
Coos Bay							
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
Brookings							
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	-	-	100 ^e
All Areas							
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

^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 2000. (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	-	NS	NS	-	-	NS	NS	-	NS	NS	NS	-	0
15	-	-	NS	-	-	NS	NS	-	NS	NS	NS	-	0
16	-	-	NS	-	-	NS	NS	-	NS	NS	NS	-	0
17	-	-	NS	-	-	NS	NS	-	NS	NS	NS	-	0
18	-	-	-	-	-	NS	-	-	NS	NS	NS	-	0
19	-	-	-	-	-	NS	-	-	-	NS	-	-	0
20	-	-	-	-	-	-	-	-	-	NS	-	-	0
21	-	-	-	-	-	-	-	-	-	NS	-	-	0
22	-	-	-	-	-	-	-	-	-	-	-	-	0
23	-	-	-	-	-	-	-	-	-	-	-	-	0
24	-	-	-	-	-	-	-	-	-	-	-	-	0
25	-	-	-	-	-	-	-	-	-	-	-	-	0
26	-	-	-	-	-	-	-	-	-	-	-	-	0
27	-	154	392	250	672	0	0	1	0	0	-	-	1,469
28	-	78	387	710	1,956	53	897	431	21	0	-	-	4,533
29	2,015	66	122	411	1,232	79	457	239	29	0	-	-	4,650
30	2,205	168	496	1,439	4,347	270	1,361	822	38	0	-	-	11,146
31	2,519	67	64	361	896	64	149	132	12	0	-	14 ^b	4,278
32	2,913	0	0	0	0	6	12	14	3	0	-	23 ^b	2,971
33	4,060	-	2 ^b	-	11 ^b	-	-	-	-	-	-	17 ^b	4,090
34	-	-	-	-	-	-	-	2 ^b	1 ^b	-	-	-	3
35	-	-	-	-	1 ^b	-	6 ^b	-	-	-	-	3 ^b	10
36	-	-	-	-	-	-	-	-	-	-	-	4 ^b	4
37	-	-	-	-	-	-	-	-	-	-	-	-	0
38	-	6 ^b	-	-	9 ^b	-	-	-	-	NS	-	-	15
39	-	5 ^b	-	-	-	-	-	-	-	NS	-	-	5
40	-	-	NS	-	-	-	-	-	NS	NS	-	-	0
41	-	2 ^b	NS	-	-	NS	NS	-	NS	NS	-	-	2
42	-	-	NS	-	-	NS	NS	-	NS	NS	-	-	0
43	-	6 ^b	NS	-	-	NS	NS	-	NS	NS	-	-	6
44	-	-	NS	-	-	NS	NS	-	NS	NS	-	-	0
45	-	-	NS	-	-	NS	NS	-	NS	NS	-	-	0
46	-	-	NS	-	-	NS	NS	-	NS	NS	-	-	0
	13,712	552	1,463	3,171	9,124	472	2,882	1,641	104	0	0	61	33,182

^a Refer to Appendix Table 21 for 2000 statistical week calendar.

^b Illegal landings.

Appendix Table 18. The number of Oregon charter boats active by port^a and year, 1988 - 2000^b.

Port	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Astoria	48	42	41	34	30	24	NA	30	25	16	14	14	11
Nehalem	0	0	0	0	0	0	0	0	1	1	1	1	0
Garibaldi	24	20	18	17	17	13	15	15	14	13	15	15	13
Pacific City	3	3	0	0	0	0	0	0	0	1	1	1	2
Depoe Bay	24	24	24	23	23	21	20	20	20	22	20	22	25
Newport	32	31	33	30	33	30	33	20	28	20	19	19	21
Florence	1	1	1	2	1	1	1	0	0	0	0	0	0
Winchester Bay	10	8	9	8	8	6	2	0	0	0	1	2	8
Coos Bay	5	5	5	4	4	4	4	2	5	4	2	2	8
Bandon	0	0	0	0	0	0	0	0	2	2	2	2	2
Gold Beach	2	1	1	1	1	1	3	3	0	2	4	2	2
Brookings	9	7	9	10	6	4	4	3	4	5	7	8	8
Total	158	139	141	129	123	103	81	93	96	83	85	88	100

^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, 1980-2000^a and 1980-99 average.

Year	Angler Trips		Chinook Catch		Coho Catch	
	Charter	Private	Charter	Private	Charter	Private
1980	79,000	218,900	5,100	11,900	98,300	207,500
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
1980-1999	34,800	131,100	4,100	17,900	42,000	96,900
2000	9,800	68,800	3,700	21,800	7,500	25,700

^a Salmon data from surveyed ports only. These include Astoria, Garibaldi, Depoe Bay, Newport, Winchester Bay, Coos Bay and Brookings. Since 1981 Pacific City and Florence have also been included. Gold Beach data are included from 1981-1987, and 1998-2000.

Appendix Table 20. Oregon ocean recreational salmon effort and catch, by boat type and port, 1980-2000.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
<u>Columbia River</u>						
1980	26,250	20,065	3,122	2,381	37,666	17,981
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
1980-99 avg.	7,356	10,839	1,062	1,433	11,833	13,787
2000	1,189	7,223	123	643	2,198	11,514
<u>Garibaldi</u>						
1980	3,688	29,347	75	722	3,302	16,105
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
1980-99 avg.	2,647	15,794	227	1,009	3,890	8,756
2000	561	9,169	38	1,079	121	431

Appendix Table 20 cont. Oregon ocean recreational salmon effort and catch, by boat type and port, 1980-2000.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
<u>Pacific City</u>						
1980	NA	NA	-	-	-	-
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
1980-99 avg.	105	2,915	5	176	124	3,037
2000	66	1,784	2	86	51	1,412
<u>Depoe Bay</u>						
1980	14,489	10,251	260	160	15,477	8,783
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
1980-99 avg.	7,621	6,503	325	306	9,233	7,197
2000	2,133	1,720	361	87	1,428	1,743

Appendix Table 20 cont. Oregon ocean recreational salmon effort and catch, by boat type and port, 1980-2000.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
<u>Newport</u>						
1980	12,210	46,324	288	1,058	9,261	38,443
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
1980-99 avg.	7,202	22,795	512	958	8,663	21,271
2000	2,712	6,417	573	568	3,202	5,922
<u>Florence</u>						
1980	-	-	-	-	-	-
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
1980-99 avg.	218	7,826	22	873	262	7,682
2000	0	1,888	0	250	0	472

Appendix Table 20 cont. Oregon ocean recreational salmon effort and catch, by boat type and port, 1980-2000.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
<u>Winchester Bay</u>						
1980	11,405	43,969	731	2,769	17,882	66,514
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
1980-99 avg.	5,812	18,740	866	2,144	7,257	20,788
2000	1,333	11,135	659	3,773	375	2,507
<u>Coos Bay</u>						
1980	8,241	21,254	349	861	13,275	28,199
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
1980-99 avg.	2,393	9,520	281	1,012	3,241	9,841
2000	309	7,684	286	3,792	47	1,594

Appendix Table 20 cont. Oregon ocean recreational salmon effort and catch, by boat type and port, 1980-2000.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
<u>Bandon</u>						
1980	NA	NA	-	-	-	-
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
1980-99 avg.	0	82	57	6	6	11
2000	703	492	1,023	305	72	32
<u>Port Orford</u>						
1980	NA	NA	-	-	-	-
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
1980-99 avg.	0	39	0	4	0	8
2000	0	56	0	0	0	0

Appendix Table 20 cont. Oregon ocean recreational salmon effort and catch, by boat type and port, 1980-2000.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
<u>Gold Beach</u>						
1980	1,182	2,891	134	285	306	888
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
1980-99 avg.	1,154	3,010	284	713	220	663
2000	0	462	0	71	0	0
<u>Brookings</u>						
1980	1,590	44,783	134	3,686	1,176	30,589
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
1980-99 avg.	1,511	36,535	747	9,777	756	9,811
2000	808	20,735	590	11,154	0	61

Appendix Table 20 cont. Oregon ocean recreational salmon effort and catch, by boat type and port, 1980-2000.

	SALMON ANGLER TRIPS		CATCH			
	Charter	Private	Chinook		Coho	
			Charter	Private	Charter	Private
<u>S. of Falcon</u>						
1980	52,805	198,822	1,971	9,541	60,679	189,521
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
1980-99 avg.	27,818	120,810	3,065	16,488	30,836	84,080
2000	8,603	61,533	3,535	21,163	10,582	28,338
<u>Grand Total</u>						
1980	79,055	218,887	5,093	11,922	98,345	207,502
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
1980-99 avg.	34,825	131,125	4,075	17,850	42,039	96,935
2000	9,814	68,765	3,658	21,808	7,494	25,688

Appendix Table 21. Statistical week calendar for 2000.

Stat. Week	Beginning Monday	Ending Sunday	Calendar Month
14	27 MAR	02 APR	March
15	03 APR	09 APR	April
16	10 APR	16 APR	April
17	17 APR	23 APR	April
18	24 APR	30 APR	April
19	01 MAY	07 MAY	May
20	08 MAY	14 MAY	May
21	15 MAY	21 MAY	May
22	22 MAY	28 MAY	May
23	29 MAY	04 JUN	June
24	05 JUN	11 JUN	June
25	12 JUN	18 JUN	June
26	19 JUN	25 JUN	June
27	26 JUN	02 JUL	June
28	03 JUL	09 JUL	July
29	10 JUL	16 JUL	July
30	17 JUL	23 JUL	July
31	24 JUL	30 JUL	July
32	31 JUL	06 AUG	August
33	07 AUG	13 AUG	August
34	14 AUG	20 AUG	August
35	21 AUG	27 AUG	August
36	28 AUG	03 SEP	August
37	04 SEP	10 SEP	September
38	11 SEP	17 SEP	September
39	18 SEP	24 SEP	September
40	25 SEP	01 OCT	September
41	02 OCT	08 OCT	October
42	09 OCT	15 OCT	October
43	16 OCT	22 OCT	October
44	23 OCT	29 OCT	October
45	30 OCT	05 NOV	November
46	06 NOV	12 NOV	November
47	13 NOV	19 NOV	November
48	20 NOV	26 NOV	November
49	27 NOV	03 DEC	November
50	04 DEC	10 DEC	December
51	11 DEC	17 DEC	December

Appendix Table 22. Chinook and coho salmon released by Oregon ocean recreational anglers from 1987-2000, 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%

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%

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%

^a Illegal landings

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

Depoe Bay: Year	Number Retained		Number Released		Percent Released	
	Chinook	Coho	Chinook	Coho	Chinook	Coho
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%

Newport: Year	Number Retained		Number Released		Percent Released	
	Chinook	Coho	Chinook	Coho	Chinook	Coho
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%

Florence: Year	Number Retained		Number Released		Percent Released	
	Chinook	Coho	Chinook	Coho	Chinook	Coho
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%

^a Illegal landings

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

Winchester Bay: Year	Number Retained		Number Released		Percent Released	
	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%

Coos Bay: Year	Number Retained		Number Released		Percent Released	
	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%

Bandon: Year	Number Retained		Number Released		Percent Released	
	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%

^a Illegal landings

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

Port Orford:	Year	Number Retained		Number Released		Percent Released	
		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%

Gold Beach:	Year	Number Retained		Number Released		Percent Released	
		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%

Brookings:	Year	Number Retained		Number Released		Percent Released	
		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%

^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%

^a Illegal landings