

REVIEW OF 2011 OCEAN SALMON FISHERIES

Stock Assessment and Fishery Evaluation Document
for the Pacific Coast Salmon Fishery Management Plan



Pacific Fishery Management Council
7700 NE Ambassador Place, Suite 101
Portland, OR 97220-1384
(503) 820-2280

www.pcouncil.org

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ACKNOWLEDGMENTS

SALMON TECHNICAL TEAM

DR. ROBERT KOPE, CHAIR

National Marine Fisheries Service, Seattle, Washington

DR. MICHAEL O'FARRELL, VICE-CHAIR

National Marine Fisheries Service, Santa Cruz, California

MR. CRAIG FOSTER

Oregon Department of Fish and Wildlife, Clackamas, Oregon

MR. LARRIE LAVOY

National Marine Fisheries Service, Seattle, Washington

MR. KEITH LUTZ

Northwest Indian Fisheries Commission, Olympia, Washington

MR. DOUG MILWARD

Washington Department of Fish and Wildlife, Olympia, Washington

MS. JENNIFER SIMON

California Department of Fish and Game, Santa Rosa, California

MR. HENRY YUEN

U.S. Fish and Wildlife Service, Vancouver, Washington

PACIFIC FISHERY MANAGEMENT COUNCIL STAFF

MR. CHUCK TRACY

MR. JAMES SEGER

MS. RENEE DORVAL

MS. KIM MERYDITH

MR. KRIS KLEINSCHMIDT

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LIST OF ACRONYMS AND ABBREVIATIONS

| | |
|------------------|--|
| AABM | aggregate abundance-based management |
| ADFG | Alaska Department of Fish and Game |
| AEQ | adult equivalents |
| CCC | central California coast (coho) |
| CDFG | California Department of Fish and Game |
| Council | Pacific Fishery Management Council |
| CVI | Central Valley Index |
| CWT | coded-wire tag |
| EEZ | exclusive economic zone (from 3-200 miles from shore) |
| EMAP | Environmental Monitoring and Assessment Program |
| ESA | Endangered Species Act |
| ESU | evolutionarily significant unit |
| FEAM | Fishery Economic Assessment Model |
| FMP | fishery management plan |
| F _{MSY} | MSY exploitation rate |
| FRAM | Fisheries Regulatory Assessment Model |
| ISBM | individual stock-based management |
| KMZ | Klamath management zone (ocean zone between Humbug Mountain and Horse Mountain where management emphasis is on KRFC) |
| KRFC | Klamath River Fall Chinook |
| LCN | Lower Columbia Natural (coho) |
| LCR | Lower Columbia River (natural tule Chinook) |
| LRH | lower Columbia River hatchery (tule fall Chinook returning to hatcheries below Bonneville Dam) |
| LRW | lower Columbia River wild (bright fall Chinook spawning naturally in tributaries below Bonneville Dam) |
| MCB | mid-Columbia River brights (bright hatchery fall Chinook released below McNary Dam) |
| MFMT | maximum fishery mortality threshold |
| MOC | mid-Oregon coast |
| MSST | minimum stock size threshold |
| MSY | maximum sustainable yield |
| NA | not available |
| NMFS | National Marine Fisheries Service |
| NOC | north Oregon coast |
| ODFW | Oregon Department of Fish and Wildlife |
| OCN | Oregon coastal natural (coho) |
| OPI | Oregon Production Index (coho salmon stock index south of Leadbetter Point) |
| PacFIN | Pacific Coast Fisheries Information Network |
| PSC | Pacific Salmon Commission |
| PST | Pacific Salmon Treaty |
| RER | rebuilding exploitation rate |
| RK | Rogue/Klamath (coho) |
| SAFE | stock assessment and fishery evaluation (document) |
| SCH | Spring Creek Hatchery (tule fall Chinook returning to Spring Creek Hatchery) |
| SDC | status determination criteria |
| SEAK | Southeast Alaska |
| S _{MSY} | MSY spawning escapement |
| SONCC | southern Oregon/northern California coastal (coho) |
| SRFC | Sacramento River fall Chinook |
| SRFI | Snake River Fall Index |
| SRS | Stratified Random Sampling |
| STEP | Salmon Trout Enhancement Program |
| STT | Salmon Technical Team (formerly the Salmon Plan Development Team) |
| SUS | Southern United States |

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

| | | <u>Page</u> |
|-------|---|-------------|
| TAC | total allowable catch | |
| URB | upper river brights (naturally spawning fall Chinook primarily migrating past McNary Dam) | |
| USFWS | U.S. Fish and Wildlife Service | |
| WCVI | West Coast Vancouver Island | |
| WDFW | Washington Department of Fish and Wildlife | |

INTRODUCTION

The Salmon Technical Team (STT) and staff of the Pacific Fishery Management Council (Council) have prepared this stock assessment and fishery evaluation (SAFE) document as a postseason review of the 2011 ocean salmon fisheries off the coasts of Washington, Oregon, and California to help assess Council salmon fishery management performance, the status of Council area salmon stocks, and the socioeconomic impacts of salmon fisheries. This postseason report will also provide a detailed description of the salmon fishery portions of the affected environment to be incorporated by reference into an Environmental Assessment (EA) to comply with National Environmental Policy Act (NEPA) requirements for the 2012 ocean salmon management measures. The STT and Council staff will provide three additional reports prior to the beginning of the ocean salmon season to help guide the Council's selection of annual fishery management measures: Preseason Report I, Preseason Report II, and Preseason Report III. These reports will provide forecasts of stock abundance, determine annual catch limits, and will analyze the biological and economic impacts of the Council's proposed alternatives and adopted fishery management recommendations. Preseason Report I will also constitute the first part of the EA for 2012 ocean salmon fishery management measures, and include a statement of the purpose and need, a description of the affected environment, and a description and analysis of the status quo (no action) alternative. Preseason Report II will constitute the second and final part of the EA, and will include a description and analysis of the alternative management measures considered for 2012 ocean salmon fisheries. The alternatives analyzed in Preseason Report II will provide a reasonable range of environmental effects, which will bound those of the final fishery management measures included in Preseason Report III. Together, these two parts of the EA will provide the necessary components to determine if a finding of no significant impact (FONSI) is warranted.

West Coast fisheries in Council-managed waters (ocean fisheries between the U.S./Canada border and the U.S./Mexico border from 3 to 200 nautical miles offshore) are directed toward and harvest primarily Chinook or king salmon, *Oncorhynchus tshawytscha*, and coho or silver salmon, *Oncorhynchus kisutch*. Small numbers of pink salmon, *Oncorhynchus gorbuscha*, also are harvested, especially in odd numbered years. There are no directed fisheries for other Pacific salmon species, which are rarely caught in Council-managed fisheries.

The Council's annual review of ocean salmon fisheries provides a summary of important biological and socioeconomic data from which to assess the status of managed stocks, impacts of past management actions, to determine how well management objectives are being met, and to improve regulations for the future. The Council will formally review this SAFE document at its March meeting prior to the development of management alternatives for the approaching fishing season.

Chapter I summarizes ocean salmon fishery regulations and landings within the Council management area and management actions and landings under the jurisdiction of the Pacific Salmon Commission (PSC). Appendix A tables detail historical effort and harvest data by state and by management area. Appendix C summarizes historical ocean fishery regulations.

For Chinook and coho salmon, respectively, Chapters II and III assess, where possible, the achievement of pertinent management objectives by salmon stock (including those listed under the Endangered Species Act [ESA]), outline regulations used to achieve the objectives, and summarize inside fisheries catch and spawner escapement data. Appendix B tables detail historical spawning escapement and inside fisheries catch information. Detailed information for other salmon species is not included since Council fisheries have minor impacts on pink salmon escapements and no measurable impacts on sockeye or chum salmon or steelhead trout; however, catch and escapement data and objectives for Puget Sound pink salmon are summarized in Appendix B, Table B-43.

In 2011 the Council adopted new status determination criteria (SDC) for overfishing, overfished, not overfished/rebuilding, and rebuilt under Salmon Fishery Management Plan (FMP) Amendment 16. These criteria, approved and implemented in December 2011, were:

- Overfishing occurs when a single year exploitation rate exceeds the maximum fishing mortality threshold (MFMT), which is based on the maximum sustainable yield exploitation rate (F_{MSY});
- Overfished status occurs when the most recent 3-year geometric mean spawning escapement is less than the minimum stock size threshold (MSST);
- Not overfished/rebuilding status occurs when a stock has been classified as overfished and has not yet been rebuilt, and the most recent 3-year geometric mean spawning escapement is greater than the MSST but less than S_{MSY} ;
- A stock is rebuilt when the most recent 3-year geometric mean spawning escapement exceeds S_{MSY} .

All SDC rely on the most recent estimates available, which in some cases may be a year or more in the past because of incomplete broods or data availability. The above criteria for rebuilt status are the default criteria provided in the FMP; however, alternative criteria may be developed through a rebuilding plan if warranted by stock specific circumstances. While the Amendment 16 SDC may not have been in place for all stocks during the preseason process, all relevant stocks were evaluated relative to these new SDC as required by the FMP. In addition, new conservation objectives were adopted for some stocks based on revised estimates of S_{MSY} and F_{MSY} , which are the reference points used to establish stock-specific SDC. Stock specific reference points and recent year estimates for relevant stocks are presented in Tables II-6 and III-6.

Socioeconomic impacts of the fisheries are discussed in Chapter IV. Appendix D provides historical fishery-related socioeconomic data.

The annual review of ocean salmon fisheries is drafted as early as analyses of landings and escapement data are available. The most recent entries are noted as preliminary and later updated when the data become final. If updated information or error corrections that could substantially affect the development of management measures for the upcoming season are available, an errata sheet will be included as an appendix in one of the subsequent STT preseason planning documents.

COMMON TABLE CONVENTIONS

All 2011 data provided in this report are preliminary. The following conventions apply to all tables in this report:

1. Due to rounding, the total values may not equal the sum of individual values.
2. A single dash indicates there are no data appropriate for a particular table cell, or in the case of fishing effort or landings, that the season was closed.
3. A double dash indicates no records are available, for example, a fishery may not have been sampled due to low and sporadic effort.
4. "NA" indicates data are not available at the time of publication, but are likely to be available at a future date.

CHAPTER I

COASTWIDE OCEAN FISHING SUMMARY

Chapter I contains or references tables summarizing the current and historical ocean salmon fishing regulations and harvest data. In addition, this chapter provides a brief summary of the Council's regulatory objectives, by management area, for the most recent fishing year, reports on the results of the Council's selective fisheries for marked hatchery Chinook and coho, and bycatch mortality of Chinook and coho salmon. The final section in the chapter provides a brief summary of management information and harvests under the authority of the PSC.

COUNCIL-AREA REGULATIONS AND LANDINGS

Summaries of the 2011 regulations for non-Indian commercial troll, treaty Indian commercial troll, and recreational ocean salmon fishing in both the exclusive economic zone (EEZ) (3 to 200 nautical miles from shore) and state territorial waters (0 to 3 nautical miles from shore) are provided in Tables I-1, I-2, and I-3, respectively. Historical summaries of regulations for each of the three West Coast states and for treaty Indian troll fisheries are provided in Appendix C, Tables C-1 through C-7. Table C-9 provides a summary of inseason regulatory actions and events during the 2011 season.

Catch, quota, and fishing effort statistics are presented in the following series of tables:

Table I-4: Council area commercial and recreational ocean salmon fishing effort and landings of Chinook, coho, and pink salmon by state of landing.

Table I-5: Council area commercial and recreational ocean salmon fishing effort and landings of Chinook, coho, and pink salmon by management area.

Table I-6: The 2011 coho and Chinook quotas for each fishery compared with actual harvests.

Appendix A Tables A-1 through A-19: Historical monthly ocean salmon harvest data by state and port area.

Tables A-20 through A-28: Historical monthly ocean salmon harvest data by management area.

Appendix B Tables B-1 through B-44: Historical inside harvest and escapement data.

Appendix C Table C-8: Historical record of annual preseason catch quotas for the area north of Cape Falcon, as well as the stocks that were critical for ocean salmon management actions.

REGULATORY OBJECTIVES BY MANAGEMENT AREA

The sections below provide a brief outline of the regulatory objectives that shaped the 2011 ocean salmon fisheries by management area and species. Further details of the conservation and allocation objectives by salmon stock and an assessment of performance are provided in Chapters II and III for Chinook and coho, respectively.

Horse Mountain to U.S./Mexico Border

Chinook Fisheries

Chinook fisheries management in this area is guided by conservation objectives for Sacramento River fall Chinook (SRFC), Klamath River fall Chinook (KRFC), and by NMFS ESA consultation standards for

Sacramento River winter Chinook, California Coastal Chinook, Oregon Coast Natural (OCN) coho, and Southern Oregon/Northern California Coast (SONCC) coho. The Council structured 2011 Chinook salmon fisheries south of Horse Mountain (near Shelter Cove, California) to meet the following objectives (in order of most to least constraining):

1. The California Coastal Chinook ESA consultation standard requiring a forecast KRFC age-4 ocean harvest rate of no greater than 16.0 percent.
2. The Sacramento River winter Chinook ESA consultation standard requiring:
 - a. Commercial seasons between Point Arena and the U.S./Mexico border shall open no earlier than May 1 and close no later than September 30, with the exception of a permissible October season conducted Monday through Friday between Point Reyes and Point San Pedro, which shall end no later than October 15; the minimum size limit shall be at least 26 inches total length.
 - b. The recreational season between Point Arena and Pigeon Point shall open no earlier than the first Saturday in April and close no later than the second Sunday in November; the recreational season between Pigeon Point and the U.S./Mexico Border shall open no earlier than the first Saturday in April and close no later than the first Sunday in October; the minimum size limit shall be at least 20 inches total length.
3. Additional NMFS guidance for Sacramento River winter Chinook specified that recreational fisheries south of Point Arena must have either a minimum size limit of at least 24 inches total length for months April through August, be closed for 61 consecutive days between the dates of May 1 and August 31, or a combination of the above guidance which would specify a 61 consecutive day closure in either the San Francisco or Monterey management area between May 1 and August 31, while also implementing a 24 inch size limit in the other management area not subject to the closure.
4. A Klamath basin natural area spawning escapement of no less than 35,000 fall Chinook adults and a spawner reduction rate of no more than 67 percent, along with the allocation objective of 50 percent of the allowable adult harvest for federally-recognized tribal subsistence and commercial fisheries.
5. The SRFC spawner escapement goal of 122,000 to 180,000 hatchery and natural area adults (FMP conservation objective). NMFS also provided guidance that management measures for 2011 should result in a forecast spawner escapement around the upper end of the FMP conservation objective because of the recent depressed status of SRFC.
6. The OCN coho allowable exploitation rate (marine and freshwater combined) of no greater than 15.0 percent as required by the exploitation rate matrix recommended by the OCN Coho Work Group that was adopted by the Council as expert biological advice in November 2000.
7. The SONCC coho ESA consultation standard requirement of no greater than a 13.0 percent marine exploitation rate on Rogue/Klamath (RK) hatchery coho.

Objectives 1, 2, and 3 above were the constraining factors for 2011 Chinook fisheries management in this area. The adopted regulations (Table I-1 and I-3) resulted in the following projections: a coastwide ocean fishery harvest rate of 16.0 percent on age-4 KRFC, a KRFC spawning escapement of 35,000 natural area adults, and a SRFC spawner escapement of 377,000 natural and hatchery adults.

Coho Fisheries

Coho fishery management for 2011 in this area was guided by the ESA consultation standard for Central California Coast (CCC) coho, which prohibits retention of coho in this area. No projection of non-retention fishery impacts on CCC coho was available; projected non-retention exploitation rates on LCN, OCN and RK coho were 0.0, 1.5, and 3.1 percent, respectively, in this area. Retention of coho has been prohibited south of the Oregon/California border since 1996. Coho are managed as a unit south of Cape Falcon, and details of the Council's management objectives shaping the 2011 fisheries are presented more fully in the Cape Falcon to Humbug Mountain section.

Humbug Mountain to Horse Mountain

Chinook Fisheries

The area between Humbug Mountain (near Port Orford, Oregon) and Horse Mountain (near Shelter Cove, California) is referred to as the Klamath Management Zone (KMZ). Chinook fisheries management in this area is guided by conservation objectives for SRFC, KRFC, and by NMFS ESA consultation standards for California Coastal Chinook, LCN coho, OCN coho, and SONCC coho. The Council structured 2011 Chinook salmon fisheries in the KMZ to meet the following objectives (in order of most to least constraining):

1. The California Coastal Chinook ESA consultation standard requiring a forecast KRFC age-4 ocean harvest rate of no greater than 16.0 percent.
2. A Klamath basin natural area spawning escapement of no less than 35,000 fall Chinook adults and a spawner reduction rate of no more than 67 percent, along with the allocation objective of 50 percent of the allowable adult harvest for federally-recognized tribal subsistence and commercial fisheries.
3. The SRFC spawner escapement goal of 122,000 to 180,000 hatchery and natural area adults (FMP conservation objective). NMFS also provided guidance that management measures for 2011 should result in a forecast spawner escapement around the upper end of the FMP conservation objective because of the recent depressed status of SRFC.
4. The LCN coho ESA consultation standard requirement of no greater than a 15.0 percent exploitation rate (marine and mainstem Columbia River combined).
5. The OCN coho allowable exploitation rate (marine and freshwater combined) of no greater than 15.0 percent as required by the exploitation rate matrix recommended by the OCN Coho Work Group that was adopted by the Council as expert biological advice in November 2000.
6. The SONCC coho ESA consultation standard requirement of no greater than a 13.0 percent marine exploitation rate on RK hatchery coho.

Objective 1 above was the constraining factor for 2011 Chinook fisheries management in the KMZ. The adopted regulations (Table I-1 and I-3) resulted in the following projections: a coastwide ocean fishery harvest rate of 16.0 percent on age-4 KRFC, a KRFC spawning escapement of 35,000 natural area adults, and a SRFC spawner escapement of 377,000 natural and hatchery adults.

Coho Fisheries

Coho fisheries management in this area is guided by the ESA consultation standards for LCN, OCN, SONCC and CCC coho, which prohibits retention of coho south of the Oregon/California border. No projection of non-retention fishery impacts on CCC coho was available; projected exploitation rates on

LCN, OCN and RK coho in this area were 0.2 percent, 1.2 percent and 4.8 percent, respectively. Coho are managed as a unit south of Cape Falcon, and details of the Council's management objectives shaping the 2011 fisheries are presented more fully in the Cape Falcon to Humbug Mountain section.

Cape Falcon to Humbug Mountain

Chinook Fisheries

Chinook fisheries management in this area is guided by conservation objectives for SRFC, KRFC, and by NMFS ESA consultation standards for California Coastal Chinook, Lower Columbia River (LCR) natural tule Chinook, SRW Chinook, LCN coho, OCN coho, and SONCC coho. The Council structured 2011 Chinook salmon fisheries in this area to meet the following objectives:

1. The California Coastal Chinook ESA consultation standard requiring a forecast KRFC age-4 ocean harvest rate of no greater than 16.0 percent.
2. A Klamath basin natural area spawning escapement of no less than 35,000 fall Chinook adults and a spawner reduction rate of no more than 67 percent, along with the allocation objective of 50 percent of the allowable adult harvest for federally-recognized tribal subsistence and commercial fisheries.
3. NMFS consultation standards and annual guidance for ESA listed LCR natural tule Chinook, which required a total exploitation rate not to exceed 37.0 percent in marine and freshwater fisheries combined.
4. The SRFC spawner escapement goal of 122,000 to 180,000 hatchery and natural area adults (FMP conservation objective). NMFS also provided guidance that management measures for 2011 should result in a forecast spawner escapement around the upper end of the FMP conservation objective because of the recent depressed status of SRFC.
5. The LCN coho ESA consultation standard requirement of no greater than a 15.0 percent exploitation rate (marine and mainstem Columbia River combined).
6. The OCN coho allowable exploitation rate (marine and freshwater combined) of no greater than 15.0 percent as required by the exploitation rate matrix recommended by the OCN Coho Work Group that was adopted by the Council as expert biological advice in November 2000.
7. The SONCC coho ESA consultation standard requirement of no greater than a 13.0 percent marine exploitation rate on RK hatchery coho.

Objectives 1, 2, and 3 above were the constraining factors on 2011 Chinook fisheries management in this area. The adopted regulations (Table I-1 and I-3) resulted in the following projections: a coastwide ocean fishery harvest rate of 16.0 percent on age-4 KRFC, a KRFC spawning escapement of 35,000 natural area adults, a 37.0 percent total exploitation rate on LCR tule natural tules, and a SRFC spawner escapement of 377,000 natural and hatchery adults.

Coho Fisheries

Coho fisheries management in this area is guided by NMFS ESA consultation standards for LCN coho, OCN coho, and SONCC coho. The Council structured 2011 coho salmon fisheries in this area to meet the following objectives:

1. The LCN coho ESA consultation standard requirement of no greater than a 15.0 percent exploitation rate (marine and mainstem Columbia River combined).
2. The OCN coho allowable exploitation rate (marine and freshwater combined) of no greater than 15.0 percent as required by the exploitation rate matrix recommended by the OCN coho work group which was accepted by the Council as expert biological advice in November 2000.
3. The SONCC coho ESA consultation standard requirement of no greater than a 13.0 percent marine exploitation rate on Rogue/Klamath (RK) hatchery coho.

Objective 1 above was the most constraining factor on 2011 coho fisheries management in this area. The Council adopted seasons in this area with projected impacts of 2.0 percent, 3.5 percent, and 0.3 percent on LCN natural coho OCN coho and RK coho, respectively. In all relevant fisheries, projected impact rates were 15.0 percent, 13.2 percent, and 8.4 percent, respectively.

U.S./Canada Border to Cape Falcon

Chinook Fisheries

Management objectives for Chinook fisheries in this area were to comply with NMFS ESA consultation standards for LCR natural tule, Lower Columbia River Wild (LRW), and Snake River wild (SRW) fall Chinook; meet treaty Indian sharing obligations, the allocation provisions in the Salmon FMP, and provisions of the Pacific Salmon Treaty (PST); and to the extent possible, provide for viable ocean and inriver fisheries while meeting natural stock escapement objectives and hatchery fall Chinook broodstock needs. Columbia lower river hatchery (LRH) and Spring Creek Hatchery (SCH) fall Chinook have historically been the major contributors to ocean fishery catches in the Council area north of Cape Falcon. The Council structured Chinook salmon fisheries between Cape Falcon, Oregon and the U.S./Canada Border to meet the following objectives:

1. The LCR natural tule Chinook ESA consultation standard requirement for a combined marine and freshwater exploitation rate of no greater than 37.0 percent.
2. The Snake River fall Chinook ESA consultation standard of at least a 30.0 percent reduction in the total ocean age-3 and age-4 age-equivalent (AEQ) exploitation rate from the 1988-1993 average.
3. For select Chinook stocks of concern to the PSC, keep the Individual Stock-Based Management (ISBM) index at or below 60.0 percent of the 1979-1982 base period average.

Objective 1 above was the primary constraint for 2011 ocean fisheries in this area. Under the adopted regulations (Tables I-1, I-2, and I-3), fisheries were projected to have a 37.0 percent total AEQ exploitation rate on LCR natural tules (12.1 percent in Council area fisheries), and a 49.5 percent reduction from the base period AEQ exploitation rate for SRW.

Coho Fisheries

Management objectives for coho fisheries in this area were to comply with NMFS ESA consultation standards for LCN and OCN coho, meet treaty Indian sharing obligations and the allocation provisions in the Salmon FMP, provisions of the PST and, to the extent possible, provide for viable ocean and inriver fisheries while meeting natural stock escapement objectives and hatchery coho brood stock needs. Columbia River early and late hatchery coho have historically been the major contributors to ocean fishery catches in the Council area north of Cape Falcon.

The Council structured coho salmon fisheries to meet the following objectives:

1. The LCN coho ESA consultation standard requirement for a combined marine and mainstem Columbia River exploitation rate of no greater than 15.0 percent.
2. An exploitation rate on Interior Fraser coho of no more than 10.0 percent in southern U.S. fisheries in accordance with the provisions of the southern coho management plan adopted by the PSC in February, 2002.
3. The OCN coho ESA consultation standard requirement for a combined marine and freshwater exploitation rate of no greater than 15.0 percent.
4. Meet inside/outside and treaty Indian/non-Indian allocation objectives.
5. Meet FMP objectives for allocation of impacts between commercial and recreational ocean fisheries, and among port areas for the recreational fishery.

Objectives 1 and 2 above were the primary constraints for 2011 ocean fisheries in this area. The adopted regulations (Tables I-1, I-2, and I-3) were projected to have a 15.0 percent total exploitation rate on LCN coho (10.3 percent in Council area fisheries), an exploitation rate in southern U.S. fisheries of 10.0 percent on Interior Fraser (Thompson River) coho (4.1 percent in Council area fisheries), and a total exploitation rate of 13.2 percent on OCN coho (7.9 percent in Council area fisheries).

SELECTIVE FISHERIES AND SALMON BYCATCH

Estimated incidental Chinook and coho mortalities are reported in Tables I-7, I-8, and I-9. Unless otherwise noted, Chinook mortality estimates from north of Cape Falcon and coho mortality estimates coastwide were based on preliminary postseason model runs incorporating final ocean catch numbers and updated Columbia River run-sizes; Chinook mortality estimates south of Humbug Mountain, Oregon were based on expansion of dockside sampling data. Under the Magnuson-Stevens Act, incidental mortality in commercial fisheries constitutes bycatch mortality, but incidental mortality resulting from the non-retention recreational fisheries does not.

The Council assumed a hook-and-release mortality rate of 26 percent in commercial troll fisheries coastwide and 14 percent in recreational fisheries north of Point Arena. In recreational fisheries south of Point Arena, the Council assumed 19 percent based on the proportion of fish caught using mooching versus trolling gear, and the estimated rates of 42.2 and 14 percent for these gear types, respectively. In addition, the Council assumes drop-off mortality for both Chinook and coho equal to 5 percent of total encounters.

Selective Chinook Fisheries

Recreational fisheries selective for marked Chinook were planned for the four ocean subareas between Cape Falcon, Oregon, and the U.S.-Canada border from June 18 through June 25, 2011. Preseason and inseason assessments of mark rates, catches, number of Chinook released, and incidental (bycatch) mortality for Council-area and some mixed-stock inside fisheries are summarized in Table I-8. Fisheries were sampled by a combination of on-water observers and dockside interviews. The observed mark rates were generally slightly lower than predicted preseason. Observed non-retention mortality was less than expected but the quota was not reached. Two Oregon state waters terminal area recreational fisheries also had mark-selective requirements (Table I-3).

In 2011, recreational fisheries in the Strait of Juan de Fuca operated under mark-selective retention restrictions for both Chinook and coho in Area 5 and the portion of Area 6 west of Port Angeles, from July 1 through August 15 (Figure I-1). As in 2010, the Areas 5 and 6 mark-selective fisheries were managed on a season rather than quota-based criteria. After August 15, the fisheries in Areas 5 and 6 remained open for marked coho only (no Chinook retention) through September 18; Area 5 operated under non-mark-selective fishing regulations for coho from September 19 through September 30 while Area 6 remained mark-selective for coho through September 30. Catch and release estimates, derived from creel census programs conducted during the mark-selective fishery in Area 5 from July 1 through September 18 are presented in Table I-8. No inseason estimate was made for Area 6, which was open from July 1 through August 15 for mark-selective Chinook fishing. The observed mark rates were much lower than predicted pre-season. Observed non-retention mortality was greater than expected, and the quota was nearly reached (Table I-8).

Mark-selective Chinook fisheries were also held in Puget Sound Area 9 from July 16 through August 31, in Area 10 from July 16 through August 31, in Area 11 June 1 through September 30, and in Area 13 May 1 through September 30 (Figure I-1). Winter mark-selective fisheries were held in Area 7 from December 1, 2011 through April 30, 2012. Winter mark-selective Chinook fisheries were held in Areas 8-1 and 8-2 November 1, 2011 through April 30, 2012. Area 9 had mark-selective Chinook opportunity November 1-30, 2011 and January 16 through April 15, 2012. Area 10 had mark-selective Chinook fisheries from October 1, 2011 through January 31, 2012. Areas 11 and 12 had mark-selective Chinook opportunity from February 1 through April 30, 2012.

Selective Coho Fisheries

Recreational fisheries selective for marked coho were planned for the area between Cape Falcon and Humbug Mt., Oregon, the four ocean subareas north of Cape Falcon, and the inside fisheries at Buoy 10 and in Areas 5 and 6 in the Strait of Juan de Fuca (Figure I-1). Numerous other Puget Sound, inside, and freshwater recreational fisheries in Washington and Oregon had mark-selective restrictions for coho. Non-Indian commercial mark-selective fisheries for coho were planned for the area between the U.S./Canada border and Cape Falcon. Pre-season and in-season assessments of mark rates, catch, number of coho released, and incidental (bycatch) mortality for Council-area and some mixed stock inside fisheries are summarized in Table I-9. Fisheries were sampled by a combination of on-water observers and dockside interviews. The observed mark rates both north and south of Cape Falcon were lower than predicted pre-season. Observed non-retention mortality was less than expected in all fisheries, although quotas were not reached in any of the fisheries.

PACIFIC SALMON COMMISSION

The PSC was established to implement the 1985 Pacific Salmon Treaty (PST) between the United States and Canada. Because many of the stocks under the jurisdiction of the Council are significantly affected by management actions taken in Canadian and Alaskan waters, considerable interaction between the Council and the PSC occurs at both the policy and technical levels. Actual catches for PSC fisheries of the most relevance to the Council are summarized in Tables I-10 and I-11. Note that these catch statistics do not correspond to provisions of the PST for compliance with aggregate abundance-based management (AABM; see below); nor do they reflect incidental mortality losses associated with the regulation of these fisheries, except as noted.

Chinook Fisheries

Northern British Columbia (B.C.) and Southeast Alaska (SEAK) fisheries affect far-north migrating Chinook stocks from Washington, Oregon, and Idaho. These include Washington coastal stocks, Columbia and Snake River bright fall and summer stocks, and far-north migrating Oregon coastal Chinook stocks.

The West Coast Vancouver Island (WCVI) troll and Georgia Strait troll and recreational fisheries affect far-north migrating stocks (including LRW) to a lesser degree, but have a major impact on more southerly distributed Columbia River tule and Puget Sound stocks.

In June 1999, the United States and Canada reached agreement on a framework for Chinook fishing regimes for 1999 through 2008. Under this agreement, SEAK (all gear), Northern B.C. (troll and recreational), and WCVI (troll and outside recreational) fisheries were regulated under aggregate AABM regimes. These fishery regimes had catch ceilings derived from indices for total aggregate abundance of stocks contributing to specific components of the fisheries and target fishery harvest rates. For example, the allowable catch for WCVI troll and outside recreational fisheries were determined by the abundance index estimated for the WCVI troll fishery. The allowable catch for the WCVI AABM fisheries was designed to reduce harvest rates for the combined troll and outside recreational fisheries by approximately 35 percent from levels observed during 1985 through 1996. Provisions of a new ten-year agreement, ratified in 2008, took effect January 1, 2009. The 2008 agreement reduced catch ceilings in SEAK and WCVI AABM fisheries by 15 percent and 30 percent respectively, from those in the 1999 agreement. The United States and Canada are developing management regimes for AABM fisheries based on total mortality rather than landed catch.

For fisheries not driven by AABM regimes, including Council area fisheries, the 1999 agreement established conservation obligations to reduce harvest rates on depressed Chinook stocks (those not meeting escapement goals) by 36.5 percent for Canadian fisheries and 40 percent for United States fisheries, relative to levels observed during 1979 through 1982. This individual stock-based management (ISBM) obligation was taken into account during Council and inside fisheries preseason management planning processes.

In 2011, AABM fisheries were conducted in accordance with the obligations set forth in the 2008 PST agreement. SEAK fisheries were constrained by an all-gear catch ceiling of 294,800 "treaty" Chinook in 2011, a 32.9 percent increase from the ceiling of 221,800 in 2010, but 15 percent less than it would have been under the 1999 agreement. "Treaty" Chinook are those fish that are counted against the AABM catch ceiling; they represent total catch minus terminal exclusions (fish taken in terminal net fisheries where escapement goals are achieved) and hatchery add-ons (fish attributed to production from Alaskan hatchery facilities in excess of levels observed prior to the 1985 PST). The preliminary estimate of 2011 total catch of Chinook by SEAK fisheries was 358,352, while the catch of "treaty" Chinook was 290,301 (Table I-10). The catch ceiling for the Northern B.C. AABM fisheries (Northern B.C. troll plus Queen Charlotte Islands recreational) in 2011 was 182,400, compared to a ceiling in 2010 of 152,100 Chinook. The actual catch was estimated at 122,660 (74,660 troll plus 48,000 recreational). The Northern B.C. troll fishery in 2011 was conducted under a system of individual transferable quotas for the second time.

In addition to the overall catch ceiling determined by the PST, Canada's principal management objectives for the 2011 WCVI Chinook fisheries were to meet domestic allocation objectives as well as address concerns for Lower Strait of Georgia Chinook, WCVI Chinook stocks, spring run upper Fraser River Chinook, and Interior Fraser (Upper Fraser and Thompson) coho. The total allowable catch in 2011 by WCVI AABM fisheries under the 2008 PST Agreement was 196,800 Chinook compared to the allowable catch of 143,700 in 2010. The reported catch was 206,569 (123,930 troll, 4,289 First Nations, and 78,350 recreational; Table I-11).

Since 1999, the WCVI troll fishery has been managed to distribute the catch throughout the year with fisheries in the summer shaped to reduce impacts on coho and WCVI, Lower Strait of Georgia, and early-run Fraser River Chinook stocks. In accounting year 2011 (October 2010 through September 2011) troll fisheries were open for retention of Chinook in February through June and late July through August (Table I-12). The July-August fishery was restricted to large plugs to reduce coho contacts and the

nearshore waters were closed to protect local WCVI Chinook stocks. To protect Interior Fraser coho, coho retention was mark-selective and revival tanks were required for released coho.

The WCVI outside recreational fishery (the area where non-local stocks predominate) operated under a 45 cm (17.7 inches) total length minimum size limit, but with the additional restriction that Chinook over 77 cm (30.3 inches) could not be retained in the surf zone corridor (within 1 mile of shore) to protect local-origin stocks. The fishery harvested 78,350 fish, a significant increase of about 49 percent from the 2010 catch.

Catch estimates for all Canadian ISBM fisheries in Northern B.C. were incomplete; the reported Chinook catch in 2011 was approximately 3,600 by commercial gillnets. Approximately 5,200 Chinook were caught by anglers from lodges in Rivers Inlet, Hakai Pass, and Bella Bella. Surveys of private angler catch were not conducted, but were believed to be less than the lodge catch. Tidal area recreational catch estimates near the mainland coast of Northern B.C. in 2011 were not available. Catches by First Nations were 10,900 Chinook for the North Coast and approximately 100 for the Central Coast.

Southern B.C. ISBM fisheries in 2011 harvested 229,109 Chinook (116,295 recreational, 85,371 First Nations, and 27,443 commercial).

No direct management measures for Chinook salmon within the Council management area were specified under the 2008 PST agreement, except for the ISBM commitment. The Council's ocean fisheries and inside fisheries conducted by the state and tribal managers were designed to minimize impacts on spawning escapements of depressed stocks, and preseason estimates of impacts were in compliance with terms of the PST agreement. Information necessary to evaluate the postseason impacts of Council area fisheries was not available.

Coho Fisheries

In 2002 the PSC adopted a management plan for coho salmon originating in Washington and Southern B.C. river systems. The plan is directed at the conservation of key management units, four from Southern B.C. (Interior Fraser, Lower Fraser, Strait of Georgia Mainland, Strait of Georgia Vancouver Island) and nine from Washington (Skagit, Stillaguamish, Snohomish, Hood Canal, Strait of Juan de Fuca, Quillayute, Hoh, Queets, and Grays Harbor). Under the plan, the United States and Canada were required to constrain total fishery exploitation rates to levels associated with the categorical status (low, moderate, and abundant) and target exploitation rates of the key management units as determined by domestic managers. Ceilings on exploitation rates by intercepting fisheries were established through formulas specified in the plan.

The forecast of 2011 abundance indicated that the status of interior Fraser River coho remained critically low. The lower Fraser, Georgia Basin, and the Johnstone Strait coho management units were all forecast to be at low or moderate status. The PSC coho status categories of low, moderate, and abundant are analogous to the FMP categories of critical, low, and normal.

In 2011, Canada's coho management objective was to constrain the exploitation rate by its fisheries on Thompson coho (a component of the Interior Fraser management unit) to a ceiling of 3 percent. Unmarked coho were released in many Southern B.C. commercial and recreational fisheries where Thompson coho were known to be prevalent. Estimated release mortality rates for legal-size coho by gear type were: seine 25 percent; northern gill net 70 percent; southern gill net 60 percent; troll 26 percent; and recreational 10 percent (Canadian Stock Assessment Secretariat, Research Document 99/128). Only terminal area fisheries along the WCVI and small portions of upper Johnstone Strait and the Queen Charlotte Islands were permitted for a short period to retain unmarked coho. Selective fishing

techniques, such as barbless hooks for trollers, seine bunt restrictions, and use of revival tanks, were required. In 2011 a total of 307,800 coho (296,600 troll, 11,200 net) were retained by commercial fisheries in Northern B.C. and 15,900 coho in Southern B.C net fisheries. Coho kept and released by marine commercial fisheries are summarized in Table I-13.

For recreational fisheries, mark-selective coho retention was permitted in mixed stock areas, and barbless hooks were required. Mark-selective fisheries were implemented in most of Southern B.C. (Johnstone Strait, Strait of Georgia, Juan de Fuca Strait, and WCVI). The estimated total retained catch of coho in Southern B.C. marine recreational fisheries in 2011 was 78,900. Coho kept and released by marine recreational fisheries in Southern B.C. are summarized in Table I-14.

First Nations fisheries in Southern B.C. were estimated to have harvested 30,500 coho.

TABLE I-1. Summary of actual ocean non-Indian commercial troll salmon fishing regulations for 2011. (Page 1 of 3)

| Area and Season | Salmon Species | Actual Quota (Guideline*) | | Special Restrictions ^{a/} |
|--|--|---------------------------|--------|--|
| | | Chinook | Coho | |
| U.S./Canada border to Cape Falcon, OR May 1-June 21; June 23-30 (60 days) | All except coho | 20,600* | - | Open seven days per week May 1-June 21, no landing and possession limit; open June 23-30 with landing and possession limit of 30 Chinook per vessel per open period. Cape Flattery, Mandatory Yelloweye Rockfish Conservation Area, and Columbia Control Zones closed. Vessels must land and deliver their fish within 24 hours of any closure of this fishery. Under state law, vessels must report their catch on a state fish receiving ticket. Vessels fishing or in possession of salmon while fishing north of Leadbetter Point must land and deliver their fish within the area and north of Leadbetter Point. Vessels fishing or in possession of salmon while fishing south of Leadbetter Point must land and deliver their fish within the area and south of Leadbetter Point, except that Oregon permitted vessels may also land their fish in Garibaldi, Oregon. Oregon State regulations require all fishers landing salmon into Oregon from any fishery between Leadbetter Point, Washington and Cape Falcon, Oregon must notify ODFW within one hour of delivery or prior to transport away from the port of landing by either calling 541-867-0300 Ext. 271 or sending notification via e-mail to nfalcon.trollreport@state.or.us . Notification shall include vessel name and number, number of salmon by species, port of landing and location of delivery, and estimated time of delivery. Inseason actions may modify harvest guidelines in later fisheries to achieve or prevent exceeding the overall allowable troll harvest impacts. |
| July 1-5, 8-12, 15-19, 22-26, July 29-Aug. 2, Aug. 5-9, 19, 27-29, Sept. 3-6, 10-13 (42 days) | All salmon except no chum retention north of Cape Alava, WA in August and September | 10,300* | 12,800 | Per vessel per open period landing and possession limit of 50 Chinook and 50 marked coho through July 12; 30 Chinook and 50 marked coho July 15 through August 11; 12 Chinook and 50 marked coho August 19; 12 Chinook and 75 marked coho August 27-29; 20 Chinook and 100 marked coho thereafter. Mandatory Yelloweye Rockfish Conservation Area, Cape Flattery and Columbia Control Zones, and beginning August 1. Grays Harbor Control Zone Closed. Vessels must land and deliver their fish within 24 hours of any closure of this fishery. Vessels fishing or in possession of salmon while fishing north of Leadbetter Point must land and deliver their fish within the area and north of Leadbetter Point. Vessels fishing or in possession of salmon while fishing south of Leadbetter Point must land and deliver their fish within the area and south of Leadbetter Point, except that Oregon permitted vessels may also land their fish in Garibaldi, Oregon. Vessels may not catch or land salmon both north and south of Leadbetter Point during the same open period. Under state law, vessels must report their catch on a state fish receiving ticket. Oregon State regulations require all fishers landing salmon into Oregon from any fishery between Leadbetter Point, Washington and Cape Falcon, Oregon must notify ODFW within one hour of delivery or prior to transport away from the port of landing by either calling 541-867-0300 Ext. 271 or sending notification via e-mail to nfalcon.trollreport@state.or.us . Notification shall include vessel name and number, number of salmon by species, port of landing and location of delivery, and estimated time of delivery. Inseason actions may modify harvest guidelines in later fisheries to achieve or prevent exceeding the overall allowable troll harvest impacts. |

TABLE I-1. Summary of actual ocean non-Indian commercial troll salmon fishing regulations for 2011. (Page 2 of 3)

| Area and Season | Salmon Species | Actual Quota (Guideline*) | | Special Restrictions ^{af} |
|--|-----------------|---------------------------|------|--|
| | | Chinook | Coho | |
| Cape Falcon to Humbug Mt., OR | | | | |
| Apr. 15-July 9; July 17-Aug. 31; Oct. 1-31 (163 days) | All except coho | None | - | Chinook 28 inch minimum size limit. Landing and possession limit of 50 Chinook per vessel per calendar week in October. All vessels fishing in the area must land their fish in the State of Oregon. |
| Tillamook Ocean Terminal Area | | | | |
| Twin Rocks to Pyramid Rock inside 3 nm Sept. 1-30 (30 days) | Chinook only | None | - | Chinook 28 inch minimum size limit. Landing and possession limit of 25 Chinook per vessel per day. Landings restricted to Garibaldi. |
| Coos/Coquille Ocean Terminal Area | | | | |
| Inside 30 fathom contour from 43°31'00" N Lat. South to 43°16'00" N Lat., and inside 3 nm from 43°16'00" N Lat. South to Crooked Cr. (43°04'50" N Lat.) Sept. 1-30 (30 days) | Chinook only | None | - | Chinook 28 inch minimum size limit. Landing and possession limit of 50 Chinook per vessel per day. Landings restricted to Coos Bay, Charleston, and Bandon. |
| Elk River Ocean Terminal Area | | | | |
| Inside of a line from Cape Blanco to Black Rock to Best Rock to 42°40'30" N. Lat. 124°29'00" W. Long. to Humbug Mt. Nov. 1-30 (30 days) | Chinook only | None | - | Chinook 24 inch minimum size limit. Landing and possession limit of 20 Chinook per vessel per calendar week. Landings restricted to Port Orford. |
| Humbug Mt. to OR/CA border | | | | |
| May 1-31 (31 days) | All except coho | None | - | Chinook 28 inch minimum size limit. Landings restricted to Gold Beach, Port Orford, or Brookings, and within 24 hours of any closure. |
| June 1-30 (30 days) | All except coho | 1,500 | - | June 1-August 31: Landing and possession limit of 30 Chinook per vessel per day; |
| July 1-31 (31 days) | All except coho | 1,200 | - | Mandatory phone or email trip reports; Any remaining portion of the June and/or July |
| Aug. 1-31 (31 days) | All except coho | 1,000 | - | Chinook quotas may be transferred inseason on an impact neutral basis to the next open quota period. |
| Chetco River Ocean Terminal Area | | | | |
| Twin Rocks (42°05'36" N Lat.) and the Oregon/California border (42°00'00" N Lat.) inside 3 nm Oct. 13-31 (19 days) | Chinook only | 750 | - | 20 Chinook per day per vessel landing limit; Mandatory phone or email trip reports; Landings restricted to Brookings. |

TABLE I-1. Summary of actual ocean non-Indian commercial troll salmon fishing regulations for 2011. (Page 3 of 3)

| Area and Season | Salmon Species | Actual Quota (Guideline*) | | Special Restrictions ^{a/} |
|---|-----------------|---------------------------|------|--|
| | | Chinook | Coho | |
| OR/CA border to Humboldt South Jetty | | | | |
| July 2-6, 9-13, 16-18 (13 days) | All except coho | 1,400 | - | Chinook 27 inch minimum size limit. Landing and possession limit of 15 Chinook per vessel per day in July and 30 Chinook per vessel per day in August. Any remaining portion of the July Chinook quota may be transferred inseason on an impact neutral basis to the August quota. All vessels fishing in this area must land and deliver all fish within this area, within 24 hours of any closure in this fishery, and prior to fishing outside of this area. Klamath Control Zone closed. |
| Aug. 1-2 (2 days) | All except coho | 880 ^{b/} | | |
| Humboldt South Jetty to Horse Mt. Closed | - | - | - | - |
| Horse Mt to Pt. Arena | | | | |
| July 23-27, July 29-Aug. 29, Sept 1-30 (67 days) | All except coho | None | - | Chinook 27 inch minimum size limit. All fish caught in the area when the KMZ quota fisheries are open must be landed south of Horse Mt.; all fish must be landed in California and offloaded within 24 hours of the August 29 closure. |
| Pt. Arena to Pt. Sur | | | | |
| May 1-31, June 25-July 5, July 9-13, 16-20, 23-27, July 29-Aug. 29, Sept 1-30 (119 days) | All except coho | None | - | Chinook 27 inch minimum size limit. All fish caught in the area when the KMZ quota fisheries are open must be landed south of Horse Mt.; all fish must be landed in California and offloaded within 24 hours of the August 29 closure. |
| Fall Area Target Zone Pt. Reyes to Pt. San Pedro Oct. 3-7, 10-14 | | None | - | Chinook minimum size limit 27 inches. All vessels fishing in this area must land and deliver all fish between Point Arena and Pigeon Point. |
| Pt. Sur to U.S./Mexico Border | | | | |
| May 1-31, June 1-24, June 25-July 5, July 9-13, 16-20, 23-27, July 29-Aug. 29 (113 days) | All except coho | None | - | Chinook minimum size limit of 27 inches. All fish must be landed in California and offloaded within 24 hours of the August 29 closure; all fish caught in the area June 1-24 must be landed south of Pt. San Pedro; all fish caught in the area when the KMZ quota fisheries are open must be landed south of Horse Mt. |

a/ Single-point, single-shank barbless hooks required in all open areas coastwide. Unless otherwise noted, minimum size limits (total length): Chinook 28 inches, coho 16 inches. Pacific halibut retention allowed May 1-28 (One Pacific halibut per each 3 Chinook, except one Pacific halibut may be landed without meeting the ratio requirement, and no more than 35 halibut may be landed per trip) and July 29-November 18 (one Pacific halibut per seven day period, Friday through Thursday) during open salmon troll fisheries; minimum size limit of 32 inches in total length (with head on).

b/ 1,000 preseason Chinook quota minus impact neutral transfer of 120 Chinook from an overage of 176 in the July quota fishery.

TABLE I-2. Summary of actual treaty Indian commercial ocean and Area 4B troll salmon seasons for 2011.

| Tribe and Area | Salmon Species | Seasons ^{a/} | | | Minimum Size Limit (Inches) | | Special Restrictions |
|---------------------|-------------------|--------------------------------|------|------------------|-----------------------------|---|----------------------|
| | | Dates | Days | Chinook | Coho | | |
| Quinault | | | | | | | |
| Areas 2-3 | All except coho | May 1-June 30 | 61 | 24 | - | | |
| | All | July 1- Aug. 19 | 50 | 24 | 16 | | |
| | All | Aug. 24- Sept. 7 | 15 | 24 | 16 | 23 Chinook per vessel per week landing limit | |
| Hoh | | | | | | | |
| Areas 2-3 | All except coho | May 1-June 30 | 61 | 24 | - | | |
| | All | July 1- Aug. 19 | 50 | 24 | 16 | | |
| | All | Aug. 24- Sept. 7 | 15 | 24 | 16 | 23 Chinook per vessel per week landing limit | |
| Quileute | | | | | | | |
| Area 3 | All except coho | May 1-June 30 | 61 | 24 | - | | |
| | All | July 1- Aug. 19 | 50 | 24 | 16 | | |
| | All | Aug. 24- Sept. 7 | 15 | 24 | 16 | 23 Chinook per vessel per week landing limit | |
| | All | Sept. 16-Oct. 15 | 30 | 24 | 16 | Ceremonial and subsistence only | |
| Makah | | | | | | | |
| Areas 3N, 4, and 4A | All except coho | May 1-June 30 | 61 | 24 | - | | |
| | All | July 7-July 23 | 17 | 24 | 16 | | |
| | All | July 25-August 8 | 15 | 24 | 16 | 100 Chinook per vessel per week landing limit | |
| | All | Aug. 9-Aug. 16 | 8 | 24 | 16 | 75 Chinook per vessel per week landing limit | |
| | All | Aug. 17-Aug. 19 | 3 | 24 | 16 | 100 Chinook per vessel per week landing limit | |
| | All | Aug. 24-Sept. 6 | 14 | 24 | 16 | 23 Chinook per vessel per week landing limit | |
| Area 4B | All except coho | May 1-June 30 | 61 | 24 | - | | |
| | All | Jan. 1-April 15 | 105 | 22 ^{b/} | 16 | | |
| | All | July 25-August 8 | 15 | 24 | 16 | 100 Chinook per vessel per week landing limit | |
| | All | Aug. 9-Aug. 16 | 8 | 24 | 16 | 75 Chinook per vessel per week landing limit | |
| | All | Aug. 17-Aug. 19 | 3 | 24 | 16 | 100 Chinook per vessel per week landing limit | |
| | All | Aug. 24-Sept. 6 | 14 | 24 | 16 | 23 Chinook per vessel per week landing limit | |
| | All | Nov. 1-Dec. 31 | 61 | 22 | 16 | | |
| S'Klallam | | | | | | | |
| Area 4B | All except coho | May 1-June 30 | 61 | 24 | - | | |
| | All ^{c/} | Jan. 1-Apr. 15; July 1-Dec. 31 | 290 | 22 ^{b/} | 16 | | |

a/ The overall quotas for these fisheries during the May 1-Sept. 15 ocean salmon management period were 41,000 Chinook and 42,000 coho. These quotas include troll catches by the S'Klallam and Makah tribes in Washington State Statistical Area 4B from May 1-Sept. 15. The overall Chinook quota was divided pre-season to provide 19,750 Chinook for the May 1-June 30 Chinook-directed season and 21,250 Chinook for the July 1-Sept. 15 all-salmon season. Single point, single shank barbless hooks were required in all ocean fisheries.

b/ Minimum size limit 24 inches after May 1.

c/ Retention of steelhead prohibited; retention of chum prohibited prior to September 30.

TABLE I-3. Summary of actual ocean recreational salmon fishing regulations for 2011. (Page 1 of 3)

| Area and Season | Salmon Species | Actual Quota | | Daily Limit and Special Restrictions ^{b/} |
|--|-----------------|--|---------------------|--|
| | | Chinook | Coho ^{a/} | |
| U.S./Canada Border to Cape Falcon, OR | | | | |
| June 18-25 (8 days) | All except coho | 4,800 | - | Two fish per day. All Chinook must be marked with a healed adipose fin clip. |
| U.S./Canada Border to Cape Alava, WA (Neah Bay subarea) | | | | |
| June 26-Sept. 18 (75 days) | All salmon | The Chinook quota for all subareas between the U.S./Canada border and Cape Falcon, OR combined was 30,100. ^{c/} | 5,990 ^{d/} | Seven Days per week. Two salmon daily plus one additional pink: no more than one Chinook June 26-July 31; no more than two Chinook Aug. 1-28; no Chinook retention Aug. 29-Sept. 4; and no more than one Chinook Sept. 5-18. No chum retention beginning August 1. |
| Cape Alava to Queets River, WA (La Push subarea) | All salmon | | 2,550 ^{d/} | Seven Days per week. Two salmon daily plus one additional pink: no more than one Chinook June 26-July 31; no more than two Chinook Aug. 1-28; no Chinook retention Aug. 29-Sept. 4; and no more than one Chinook Sept. 5-18. No chum retention beginning August 1. |
| North of 47°50'00" N. Lat. and south of 48°00'00" N. Lat. Sept. 24-Oct. 9 (16 days) | All salmon | | 50 | Seven Days per week. Two salmon daily plus one additional pink; no more than one Chinook. |
| Queets River to Leadbetter Pt., WA (Westport subarea) | | | | |
| June 26--Sept. 18 (71 days) | All salmon | | 24,860 | Sun.-Thurs. June 26-July 31 and Aug. 19-28; seven days per week otherwise. Two salmon daily: no more than one Chinook June 26-Aug. 6; no more than two Chinook Aug. 7-13; no more than one Chinook Aug. 14-28; no Chinook retention Aug. 29-Sept. 4; and no more than one Chinook Sept. 5-18. Grays Harbor Control Zone closed beginning Aug. 1. |
| Leadbetter Pt., WA to Cape Falcon, OR (Columbia River subarea) | | | | |
| June 26-Sept. 30 (97 days) | All salmon | | 33,600 | Seven Days per week. Two salmon daily: no more than one Chinook June 26-Aug. 6; no more than two Chinook Aug. 7-13; no more than one Chinook Aug. 14-28; no Chinook retention Aug. 29-Sept. 4; and no more than one Chinook Sept. 5-30. |
| Cape Falcon to Humbug Mt. | | | | |
| Mar. 15-July 1, Aug. 14-31, Sept. 8-30 (150 days) | All except coho | None | - | Two salmon daily. Twin Rocks to Pyramid Rock inside 15 fm through July 31; Chinook must be marked. Fishing in the Stonewall Bank groundfish conservation area restricted to trolling only on days the all depth recreational halibut fishery is open. ^{e/} |

TABLE I-3. Summary of actual ocean recreational salmon fishing regulations for 2011. (Page 2 of 3)

| Area and Season | Salmon Species | Actual Quota | | Daily Limit and Special Restrictions ^{b/} |
|---|-----------------|--------------|---------------------|---|
| | | Chinook | Coho ^{a/} | |
| Cape Falcon OR to Humbug Mt. (con't.) July 2-Aug. 13 (43 days) | All salmon | None | 15,000 | Two salmon daily. All coho must be marked. Any remainder of the mark-selective coho quota will be transferred on an impact neutral basis to the September non-selective recreational coho quota. Fishing in the Stonewall Bank groundfish conservation area restricted to trolling only on days the all-depth recreational halibut fishery is open. ^{e/} |
| Sept. 1-7 (7 days) | All salmon | None | 5,900 ^{f/} | Two salmon daily. Fishing in the Stonewall Bank groundfish conservation area restricted to trolling only on days the all-depth recreational halibut fishery is open. ^{e/} |
| Tillamook Ocean Terminal Area Twin Rocks to Pyramid Rock inside 3 nm Sept. 8-Oct. 31 (54 days) | Chinook only | None | - | Barbless hooks allowed. Two salmon daily, one of which can be an unmarked Chinook; no more than 10 unmarked Chinook per season. |
| Elk River Ocean Terminal Area Inside of a line from Cape Blanco to Black Rock to Best Rock to 42°40'30" N. Lat. 124°29'00" W. Long. to Humbug Mt. Nov. 1-30 (30 days) | Chinook only | None | - | Barbless hooks required. Two salmon daily, one of which can be an unmarked Chinook; no more than 10 unmarked Chinook per season. |
| Humbug Mt., OR to Horse Mt., CA May 14-Sept. 5 (115 days) | All except coho | None | - | Two salmon daily. 24 inch minimum size limit. |
| Chetco River Terminal Area Twin Rocks to OR/CA border inside 3 nm Oct. 1-12 (12 days) | Chinook only | None | - | Barbless hooks required. One Chinook daily, no more than five per season. |
| Horse Mt. to Pt. Arena Apr. 2-Oct. 30 (212 days) | All except coho | None | - | Two salmon daily. 24 inch minimum size limit. |
| Pt. Arena to Pigeon Pt. Apr. 2-Oct. 30 (212 days) | All except coho | None | - | Two salmon daily. 24 inch minimum size limit. |
| Pigeon Pt. to U.S./Mexico Border Apr. 2-Sept. 18 (170 days) | All except coho | None | - | Two salmon daily. 24 inch minimum size limit. |

TABLE I-3. Summary of actual ocean recreational salmon fishing regulations for 2011. (Page 3 of 3)

a/ All coho fisheries and quotas are mark-selective for fish with a healed adipose fin clip except the September 1-7 Cape Falcon to Humbug Mt. non-mark-selective recreational coho fishery.

b/ No more than one rod and single-point, single-shank barbless hooks required north of Pt. Conception, CA. No more than two single-point, single-shank barbless hooks when fishing for salmon or fishing from a boat with salmon on board between Pt. Conception and Cape Falcon, OR. If angling by any means other than trolling between Pt. Conception and Horse Mt., CA, no more than two single-point, single-shank, barbless circle hooks shall be used. The distance between the two hooks must not exceed 5 inches when measured from the top of the eye of the top hook to the inner base of the curve of the lower hook, and both hooks must be permanently tied in place (hard tied). Unless otherwise noted: minimum size limits are 24 inches for Chinook and 16 inches for coho.

c/ 28,900 preseason quota plus impact neutral transfers of 1,200 unmarked Chinook from the 2,400 marked Chinook remainder of June mark-selective recreational Chinook fishery quota.

d/ Neah Bay 6,990 preseason quota minus 1,000 impact neutral transfer of 850 coho to the La Push preseason quota of 1,700 marked coho.

e/ The all-depth halibut season was open on May 12-14, 26-28, June 2-4, 9-11, 23-25, and August 5-6.

f/ 3,000 preseason quota plus impact neutral transfers of 2,900 unmarked coho from the 8,000 remainder of July-August mark-selective recreational coho fishery quota.

TABLE I-4. Council area commercial and recreational ocean salmon fishing effort and landings by state. Data are provisional, pending further review of data compilation methods. A double dash ("-") indicates no records are available. Fewer than 50 pounds may be shown as zero. (Page 1 of 4)

| Year or Average | COMMERCIAL TROLL | | | | | | | RECREATIONAL | | | | | Salmon Per Angler Trip |
|--------------------------------|---------------------------------|-----------------|---------|---------|---|-------|------|------------------------------------|-------------------------|---------|--------|---------|---------------------------|
| | Effort (boat days fished) | Catch | | | | | | Effort (salmon angler trips) | Catch (numbers of fish) | | | | |
| | | Numbers of Fish | | | Thousands of Pounds (Dressed Weight) | | | | Chinook | Coho | Pink | Total | |
| | | Chinook | Coho | Pink | Chinook | Coho | Pink | | | | | | |
| WASHINGTON^{a/} | | | | | | | | | | | | | |
| 1966-70 | -- | 172,500 | 717,200 | 96,200 | 1,810 | 4,557 | 432 | 401,900 | 152,600 | 427,700 | 14,600 | 594,900 | 1.5 |
| 1971-75 | 56,200 | 275,400 | 870,300 | 31,600 | 2,926 | 4,801 | 147 | 482,900 | 210,400 | 567,400 | 6,100 | 783,900 | 1.6 |
| 1976-80 | 43,787 | 188,610 | 717,302 | 412,880 | 2,364 | 3,675 | 789 | 429,809 | 114,092 | 511,827 | 23,544 | 649,463 | 1.5 |
| 1981-85 ^{b/} | 12,782 | 71,326 | 217,754 | 140,486 | 776 | 1,059 | 358 | 163,344 | 54,662 | 172,399 | 5,915 | 232,976 | 1.4 |
| 1986-90 | 6,078 | 71,534 | 137,942 | 20,552 | 719 | 610 | 49 | 119,412 | 26,075 | 165,058 | 1,919 | 193,051 | 1.6 |
| 1991-95 | 5,158 | 42,477 | 76,334 | 27,971 | 372 | 390 | 63 | 104,949 | 11,156 | 131,364 | 2,484 | 145,003 | 1.4 |
| 1996-2000 | 660 | 25,267 | 28,492 | 1,307 | 372 | 390 | 63 | 38,459 | 4,940 | 41,445 | 2,216 | 48,600 | 1.3 |
| 2001 | 1,280 | 50,072 | 66,707 | 885 | 515 | 377 | 9 | 126,402 | 22,974 | 168,062 | 3,918 | 194,954 | 1.5 |
| 2002 | 1,564 | 93,665 | 17,602 | 0 | 1,128 | 102 | 0 | 95,167 | 57,821 | 74,134 | 0 | 131,955 | 1.4 |
| 2003 | 1,914 | 91,374 | 19,899 | 251 | 1,261 | 117 | 2 | 124,867 | 34,183 | 139,096 | 13,407 | 186,686 | 1.5 |
| 2004 | 1,812 | 85,107 | 75,390 | 0 | 1,090 | 476 | 0 | 112,704 | 24,907 | 112,936 | 0 | 137,843 | 1.2 |
| 2005 | 2,035 | 77,041 | 25,439 | 250 | 969 | 160 | 1 | 90,595 | 36,369 | 51,770 | 3,260 | 91,398 | 1.0 |
| 2006 | 2,243 | 47,314 | 33,203 | 0 | 534 | 203 | 0 | 65,263 | 10,667 | 36,087 | 8 | 46,762 | 0.7 |
| 2007 | 1,864 | 37,211 | 45,924 | 370 | 389 | 252 | 2 | 72,683 | 8,944 | 83,788 | 4,670 | 97,402 | 1.3 |
| 2008 | 1,803 | 29,543 | 15,970 | 0 | 287 | 92 | 0 | 37,610 | 14,635 | 18,870 | 0 | 33,505 | 0.9 |
| 2009 | 2,820 | 24,570 | 80,718 | 543 | 192 | 535 | 3 | 101,560 | 12,351 | 138,493 | 7,627 | 158,471 | 1.6 |
| 2010 ^{c/} | 3,295 | 77,445 | 13,527 | 0 | 803 | 95 | 0 | 80,955 | 36,874 | 36,278 | 0 | 73,152 | 0.9 |
| 2011 ^{c/} | 2,641 | 58,587 | 16,666 | 288 | 671 | 95 | 4 | 73,596 | 29,203 | 39,582 | 10,828 | 79,613 | 1.1 |

TABLE I-4. Council area commercial and recreational ocean salmon fishing effort and landings by state. Data are provisional, pending further review of data compilation methods. A double dash (" - ") indicates no records are available. Fewer than 50 pounds may be shown as zero. (Page 2 of 4)

| Year or Average | COMMERCIAL TROLL | | | | | | | RECREATIONAL | | | | | Salmon Per Angler Trip |
|----------------------------|---------------------------------|-----------------|---------|-------|---|-------|------|------------------------------------|-------------------------|---------|-------|---------|---------------------------|
| | Effort (boat days fished) | Catch | | | | | | Effort (salmon angler trips) | Catch (numbers of fish) | | | | |
| | | Numbers of Fish | | | Thousands of Pounds (Dressed Weight) | | | | Chinook | Coho | Pink | Total | |
| | | Chinook | Coho | Pink | Chinook | Coho | Pink | | | | | | |
| OREGON^{d/} | | | | | | | | | | | | | |
| 1966-70 | -- | 122,000 | 804,500 | -- | 1,159 | 5,358 | -- | -- | -- | -- | -- | -- | -- |
| 1971-75 | 47,400 | 208,500 | 979,000 | -- | 2,128 | 6,015 | -- | -- | -- | -- | -- | -- | -- |
| 1976-80 | 55,885 | 232,632 | 741,694 | -- | 2,427 | 4,252 | 139 | 387,743 | 39,974 | 289,189 | -- | 329,163 | 0.8 |
| 1981-85 | 25,496 | 145,503 | 301,499 | 2,100 | 1,432 | 1,537 | 117 | 233,544 | 33,085 | 165,393 | 2,700 | 201,178 | 0.9 |
| 1986-90 | 38,154 | 394,927 | 397,243 | 4,300 | 3,731 | 1,957 | 21 | 241,161 | 35,713 | 218,637 | 500 | 254,849 | 1.1 |
| 1991-95 | 9,016 | 100,945 | 119,367 | 380 | 940 | 325 | 2 | 99,547 | 9,234 | 103,001 | 60 | 112,296 | 1.1 |
| 1996-2000 | 7,187 | 129,523 | 6,133 | 380 | 1,414 | 14 | 2 | 45,609 | 11,231 | 12,459 | 60 | 23,750 | 0.5 |
| 2001 | 11,148 | 274,963 | 9,333 | 344 | 2,897 | 52 | 1 | 120,461 | 27,200 | 94,346 | 0 | 121,546 | 1.0 |
| 2002 | 11,701 | 304,189 | 1,515 | 0 | 3,488 | 11 | 0 | 107,641 | 47,480 | 36,537 | 0 | 84,017 | 0.8 |
| 2003 | 12,418 | 329,678 | 6,441 | 25 | 3,639 | 43 | 0 | 144,423 | 40,654 | 113,659 | 0 | 154,313 | 1.1 |
| 2004 | 13,204 | 252,709 | 8,839 | 0 | 2,850 | 70 | 0 | 145,702 | 56,433 | 71,835 | 0 | 128,268 | 0.9 |
| 2005 | 11,623 | 251,295 | 2,618 | 3 | 2,671 | 20 | 0 | 75,999 | 27,945 | 13,706 | 0 | 41,651 | 0.5 |
| 2006 | 4,528 | 34,965 | 1,414 | 0 | 486 | 13 | 0 | 62,319 | 11,588 | 15,577 | 0 | 27,165 | 0.4 |
| 2007 | 5,233 | 35,487 | 17,095 | 80 | 464 | 101 | 0 | 88,264 | 6,941 | 60,653 | 0 | 67,594 | 0.8 |
| 2008 | 809 | 5,954 | 435 | 0 | 66 | 4 | 0 | 30,418 | 1,578 | 12,085 | 2 | 13,665 | 0.4 |
| 2009 | 1,219 | 1,149 | 21,968 | 49 | 15 | 131 | 0 | 84,518 | 1,585 | 89,606 | 0 | 91,191 | 1.1 |
| 2010 | 4,291 | 39,433 | 1,038 | 0 | 506 | 7 | 0 | 53,319 | 4,967 | 18,295 | 0 | 23,262 | 0.4 |
| 2011 ^{c/} | 3,715 | 31,934 | 464 | 49 | 400 | 3 | 0 | 48,756 | 5,157 | 18,839 | 0 | 23,996 | 0.5 |

TABLE I-4. Council area commercial and recreational ocean salmon fishing effort and landings by state. Data are provisional, pending further review of data compilation methods. A double dash ("-") indicates no records are available. Fewer than 50 pounds may be shown as zero. (Page 3 of 4)

| Year or Average | COMMERCIAL TROLL | | | | | | | RECREATIONAL | | | | | Salmon Per Angler Trip |
|--------------------------------|------------------------------|-----------------|---------|-------|---|-------|------|---------------------------------|-------------------------|--------|------|---------|------------------------|
| | Effort (boat days fished) | Catch | | | | | | Effort (salmon angler trips) | Catch (numbers of fish) | | | | |
| | | Numbers of Fish | | | Thousands of Pounds (Dressed Weight) | | | | Chinook | Coho | Pink | Total | |
| | | Chinook | Coho | Pink | Chinook | Coho | Pink | | | | | | |
| CALIFORNIA^{e/} | | | | | | | | | | | | | |
| 1966-70 | - - | 486,300 | 319,700 | 7,400 | 4,925 | 2,352 | 37 | 189,800 | 120,800 | 33,200 | 0 | 154,000 | 0.8 |
| 1971-75 | 45,200 | 562,700 | 361,800 | 4,700 | 5,743 | 2,211 | 22 | 247,400 | 169,600 | 48,300 | 0 | 217,900 | 0.9 |
| 1976-80 | 81,300 | 618,637 | 210,303 | 500 | 5,867 | 1,184 | 3 | 163,469 | 92,422 | 31,158 | 0 | 123,580 | 0.8 |
| 1981-85 | 58,950 | 462,652 | 58,726 | 2,400 | 4,454 | 345 | 14 | 146,950 | 109,097 | 19,866 | 0 | 128,963 | 0.9 |
| 1986-90 | 58,549 | 794,703 | 46,780 | 300 | 8,097 | 262 | 2 | 240,667 | 166,395 | 40,388 | 0 | 206,783 | 0.9 |
| 1991-95 | 25,780 | 341,928 | 42,475 | 0 | 3,429 | 94 | 0 | 215,996 | 170,296 | 22,399 | 0 | 192,695 | 0.9 |
| 1996-2000 | 18,154 | 368,001 | - | 0 | 4,037 | 0 | 0 | 194,586 | 157,742 | 452 | 0 | 158,194 | 0.8 |
| 2001 | 13,841 | 193,086 | - | 0 | 2,409 | - | 0 | 165,135 | 98,783 | 1,329 | 0 | 100,112 | 0.6 |
| 2002 | 17,403 | 391,655 | - | 0 | 5,008 | - | 0 | 210,052 | 182,044 | 828 | 0 | 182,872 | 0.9 |
| 2003 | 15,941 | 491,894 | - | 0 | 6,392 | - | 0 | 134,627 | 94,674 | 613 | 0 | 95,287 | 0.7 |
| 2004 | 21,733 | 502,110 | - | 0 | 6,230 | - | 0 | 218,743 | 221,114 | 1,424 | 0 | 222,538 | 1.0 |
| 2005 | 17,018 | 340,862 | - | 0 | 4,347 | - | 0 | 172,080 | 143,257 | 699 | 0 | 143,956 | 0.8 |
| 2006 | 8,259 | 69,728 | - | 0 | 1,043 | - | 0 | 126,506 | 96,292 | 1,626 | 0 | 97,918 | 0.8 |
| 2007 | 10,671 | 114,141 | - | 0 | 1,525 | - | 0 | 105,889 | 47,704 | 746 | 0 | 48,450 | 0.5 |
| 2008 | - | - | - | - | - | - | - | 391 | 6 | - | 0 | 6 | 0.0 |
| 2009 | - | - | - | - | - | - | - | 5,359 | 672 | 8 | 0 | 680 | 0.1 |
| 2010 | 1,975 | 15,088 | - | - | 228 | - | - | 48,667 | 14,809 | 175 | 0 | 14,984 | 0.3 |
| 2011 ^{c/} | 6,875 | 69,783 | - | - | 988 | - | - | 91,098 | 49,020 | 316 | 0 | 49,336 | 0.5 |

TABLE I-4. Council area commercial and recreational ocean salmon fishing effort and landings by state. Data are provisional, pending further review of data compilation methods. A double dash ("-") indicates no records are available. Fewer than 50 pounds may be shown as zero. (Page 4 of 4)

| Year or Average | COMMERCIAL TROLL | | | | | | | RECREATIONAL | | | | | Salmon Per Angler Trip |
|--------------------------------------|---------------------------|-----------------|-----------|---------|--------------------------------------|--------|-----|------------------------------|-------------------------|---------|--------|-----------|------------------------|
| | Effort (boat days fished) | Catch | | | | | | Effort (salmon angler trips) | Catch (numbers of fish) | | | | |
| | | Numbers of Fish | | | Thousands of Pounds (Dressed Weight) | | | | Chinook | Coho | Pink | Total | |
| | Chinook | Coho | Pink | Chinook | Coho | Pink | | | | | | | |
| COUNCIL AREA^{a/d/e/} | | | | | | | | | | | | | |
| 1966-70 | -- | 780,800 | 1,841,400 | 103,600 | 7,893 | 12,267 | 468 | 591,700 | 273,400 | 460,900 | 14,600 | 748,900 | 1.3 |
| 1971-75 | 148,800 | 1,046,600 | 2,211,100 | 36,300 | 10,796 | 13,028 | 170 | 730,300 | 380,000 | 615,700 | 6,100 | 1,001,800 | 1.4 |
| 1976-80 | 180,972 | 1,039,879 | 1,669,299 | 413,380 | 10,658 | 9,111 | 930 | 981,020 | 246,488 | 832,173 | 23,544 | 1,102,206 | 1.1 |
| 1981-85 ^{b/} | 97,228 | 679,481 | 577,980 | 144,986 | 6,662 | 2,941 | 489 | 543,838 | 196,845 | 357,658 | 8,615 | 563,117 | 1.0 |
| 1986-90 | 40,874 | 514,406 | 299,783 | 20,932 | 5,087 | 1,029 | 50 | 434,955 | 205,605 | 290,457 | 1,979 | 498,041 | 1.1 |
| 1991-95 | 26,001 | 522,792 | 34,625 | 1,687 | 5,823 | 404 | 65 | 278,654 | 173,912 | 54,356 | 2,276 | 230,544 | 0.8 |
| 1996-2000 | 26,269 | 518,121 | 76,040 | 1,229 | 5,821 | 429 | 10 | 411,998 | 148,957 | 263,737 | 3,918 | 416,612 | 1.0 |
| 2001 | 26,269 | 518,121 | 76,040 | 1,229 | 5,821 | 429 | 10 | 411,998 | 148,957 | 263,737 | 3,918 | 416,612 | 1.0 |
| 2002 | 30,668 | 789,509 | 19,117 | 0 | 9,624 | 113 | 0 | 412,860 | 287,345 | 111,499 | 0 | 398,844 | 1.0 |
| 2003 | 30,273 | 912,946 | 26,340 | 276 | 11,291 | 159 | 2 | 403,917 | 169,511 | 253,368 | 13,407 | 436,286 | 1.1 |
| 2004 | 36,749 | 839,926 | 84,229 | 0 | 10,170 | 546 | 0 | 477,149 | 302,454 | 186,195 | 0 | 488,649 | 1.0 |
| 2005 | 30,676 | 669,198 | 28,057 | 253 | 7,987 | 180 | 1 | 338,674 | 207,571 | 66,175 | 3,260 | 277,005 | 0.8 |
| 2006 | 15,030 | 152,007 | 34,617 | 0 | 2,064 | 216 | 0 | 254,088 | 118,547 | 53,290 | 8 | 171,845 | 0.7 |
| 2007 | 17,768 | 186,839 | 63,019 | 450 | 2,379 | 353 | 2 | 266,836 | 63,589 | 145,187 | 4,670 | 213,446 | 0.8 |
| 2008 | 2,612 | 35,497 | 16,405 | 0 | 353 | 96 | 0 | 68,419 | 16,219 | 30,955 | 2 | 47,176 | 0.7 |
| 2009 | 4,039 | 25,719 | 102,686 | 592 | 208 | 666 | 3 | 191,437 | 14,608 | 228,107 | 7,627 | 250,342 | 1.3 |
| 2010 ^{c/} | 9,561 | 131,966 | 14,565 | 0 | 1,537 | 102 | 0 | 182,941 | 56,650 | 54,748 | 0 | 111,398 | 0.6 |
| 2011 ^{c/} | 13,231 | 160,304 | 17,130 | 337 | 2,059 | 97 | 4 | 213,450 | 83,380 | 58,737 | 10,828 | 152,945 | 0.7 |

a/ For Washington, commercial effort and landings include: (1) treaty Indian fisheries (ocean and Area 4B only from May 1-Sept. 30) beginning in 1972; (2) prior to 1978, catch off British Columbia landed in Washington; (3) catch off Alaska landed in Washington; and (4) catch off Oregon and California beginning in 1976. Treaty Indian effort is in deliveries. Beginning in 1989, recreational angler trips and catch include state-managed, late-season Area 4B fishery when open (see Table IV-15).

b/ Recreational effort and catch includes Washington-based effort and catch from Oregon state waters (July 26-Aug. 1) and Strait of Juan de Fuca after WDFW and NMFS ocean closures in 1982.

c/ Preliminary.

d/ Oregon commercial troll landings include small numbers of salmon caught in Alaska (prior to 1990), Washington, and California. Oregon recreational effort data are total angler trips prior to 1979 and salmon trips beginning in 1979. Significantly reduced salmon per angler trip in 1994-1998 reflects regulations requiring nonretention of coho in the recreational fishery south of Cape Falcon.

e/ California commercial effort and landings include salmon caught off Oregon and landed in California, which were minor and infrequent until 2004, when 200 days fished and 25,300 Chinook were included.

TABLE I-5. Council area commercial and recreational ocean salmon fishing effort and landings by management area.

| Year | COMMERCIAL TROLL | | | | RECREATIONAL | | | | | Salmon Per Angler Trip |
|---|---------------------------------------|-------------------------|--------|-------|---------------------------------|-------------------------|---------|--------|---------|------------------------|
| | Effort ^{a/} (days fished) | Catch (numbers of fish) | | | Effort (salmon angler trips) | Catch (numbers of fish) | | | Total | |
| | | Chinook | Coho | Pink | | Chinook | Coho | Pink | | |
| ----- U.S./CANADA BORDER TO CAPE FALCON ----- | | | | | | | | | | |
| Treaty Indian (U.S./Canada Border to Leadbetter Point)^{b/}: | | | | | | | | | | |
| 2004 | 431 | 49,735 | 62,097 | 0 | - | - | - | - | - | - |
| 2005 | 597 | 41,975 | 23,997 | 387 | - | - | - | - | - | - |
| 2006 | 805 | 30,545 | 31,938 | 0 | - | - | - | - | - | - |
| 2007 | 590 | 22,943 | 40,038 | 584 | - | - | - | - | - | - |
| 2008 | 580 | 20,907 | 14,264 | 0 | - | - | - | - | - | - |
| 2009 | 829 | 12,254 | 60,663 | 800 | - | - | - | - | - | - |
| 2010 ^{c/} | 859 | 32,346 | 11,423 | 0 | - | - | - | - | - | - |
| 2011 ^{c/} | 577 | 31,685 | 13,613 | 1,071 | - | - | - | - | - | - |
| Non-Indian: | | | | | | | | | | |
| 2004 | 1,728 | 38,490 | 22,132 | 24 | 131,297 | 27,090 | 135,434 | 32 | 162,556 | 1.2 |
| 2005 | 1,954 | 45,151 | 4,060 | 11 | 103,857 | 40,004 | 61,736 | 3,260 | 104,999 | 1.0 |
| 2006 | 2,419 | 27,258 | 2,679 | 0 | 73,505 | 11,176 | 41,498 | 8 | 52,682 | 0.7 |
| 2007 | 1,599 | 15,711 | 17,439 | 227 | 85,069 | 9,538 | 102,185 | 4,670 | 116,393 | 1.4 |
| 2008 | 1,884 | 14,070 | 2,141 | 0 | 41,264 | 15,452 | 21,061 | 0 | 36,513 | 0.9 |
| 2009 | 2,519 | 13,028 | 32,743 | 18 | 113,810 | 13,331 | 157,912 | 7,627 | 178,870 | 1.6 |
| 2010 | 3,070 | 56,219 | 3,142 | 0 | 91,209 | 38,686 | 42,386 | 0 | 81,072 | 0.9 |
| 2011 ^{c/} | 2,352 | 29,738 | 3,517 | 184 | 80,979 | 30,826 | 45,624 | 10,828 | 87,278 | 1.1 |
| ----- CAPE FALCON TO HUMBUG MOUNTAIN ----- | | | | | | | | | | |
| 2004 | 12,339 | 241,107 | - | 0 | 108,800 | 47,413 | 48,062 | 0 | 95,475 | 0.9 |
| 2005 | 10,858 | 238,944 | - | 1 | 50,159 | 18,603 | 3,630 | 0 | 22,233 | 0.4 |
| 2006 | 3,364 | 23,738 | - | 0 | 43,447 | 9,287 | 9,485 | 0 | 18,772 | 0.4 |
| 2007 | 4,444 | 29,947 | 5,542 | 73 | 64,766 | 3,297 | 40,687 | 0 | 43,984 | 0.7 |
| 2008 | 97 | 284 | - | 0 | 21,969 | 481 | 7,760 | 2 | 8,243 | 0.4 |
| 2009 | 691 | 437 | 9,280 | 0 | 66,337 | 410 | 68,990 | 0 | 69,400 | 1.0 |
| 2010 | 3,476 | 27,444 | - | 0 | 37,115 | 2,331 | 12,127 | 0 | 14,458 | 0.4 |
| 2011 ^{c/} | 3,141 | 27,781 | - | 0 | 35,113 | 2,598 | 12,769 | 0 | 15,367 | 0.4 |
| ----- HUMBUG MOUNTAIN TO HORSE MOUNTAIN (KMZ) ----- | | | | | | | | | | |
| 2004 | 1,042 | 40,399 | - | 0 | 43,906 | 29,681 | 1,835 | 0 | 31,516 | 0.7 |
| 2005 | 573 | 9,320 | - | 0 | 29,907 | 23,251 | 261 | 0 | 23,512 | 0.8 |
| 2006 | 183 | 738 | - | 0 | 27,081 | 18,195 | 922 | 0 | 19,117 | 0.7 |
| 2007 | 821 | 12,859 | - | 0 | 31,555 | 21,946 | 1,970 | 0 | 23,916 | 0.8 |
| 2008 | 51 | 236 | - | - | 4,795 | 280 | 2,134 | 0 | 2,414 | 0.5 |
| 2009 | - | - | - | - | 11,290 | 867 | 1,205 | 0 | 2,072 | 0.2 |
| 2010 | 181 | 869 | - | - | 10,179 | 1,544 | 110 | 0 | 1,654 | 0.2 |
| 2011 ^{c/} | 490 | 3,712 | - | - | 21,139 | 10,750 | 126 | 0 | 10,876 | 0.5 |
| ----- HORSE MOUNTAIN TO U.S./MEXICO BORDER ----- | | | | | | | | | | |
| 2004 | 21,209 | 470,195 | - | 0 | 193,146 | 198,270 | 864 | 0 | 199,134 | 1.0 |
| 2005 | 16,694 | 333,808 | - | 0 | 154,751 | 125,713 | 548 | 0 | 126,261 | 0.8 |
| 2006 | 8,259 | 69,728 | - | 0 | 110,055 | 79,889 | 1,385 | 0 | 81,274 | 0.7 |
| 2007 | 10,314 | 105,379 | - | 0 | 85,446 | 28,808 | 345 | 0 | 29,153 | 0.3 |
| 2008 | - | - | - | - | 391 | 6 | - | 0 | 6 | 0.0 |
| 2009 | - | - | - | - | - | - | - | - | - | - |
| 2010 | 1,975 | 15,088 | - | - | 44,438 | 14,089 | 125 | - | 14,214 | 0.3 |
| 2011 ^{c/} | 6,671 | 67,388 | - | - | 76,219 | 39,206 | 218 | - | 39,424 | 0.5 |

a/ Treaty Indian troll effort in number of deliveries.

b/ May through September only.

c/ Preliminary.

TABLE I-6. Coho and Chinook harvest quotas and guidelines (*) for 2011 Council managed fisheries compared with actual harvest by management area and fishery.

| Fishery Governed by Quota or Guideline | Chinook | | | Coho | | |
|---|----------------------------------|--------|-------------|-----------------------|--------|-------------|
| | Quota or Guideline ^{a/} | Catch | Catch/Quota | Quota | Catch | Catch/Quota |
| NORTH OF CAPE FALCON | | | | | | |
| TREATY INDIAN COMMERCIAL TROLL | | | | | | |
| U.S./Canada Border to Cape Falcon (May-June) | 19,750 | 9,928 | 0.50 | - | - | - |
| U.S./Canada Border to Cape Falcon (July-Sept.) | 21,250 | 21,757 | 1.02 | 42,000 | 13,613 | 0.32 |
| Subtotal Treaty Indian Commercial Troll | 41,000 | 31,685 | 0.77 | 42,000 | 13,613 | 0.32 |
| NON-INDIAN COMMERCIAL TROLL | | | | | | |
| U.S./Canada Border to Cape Falcon (May-June) | 20,600 * | 20,469 | 0.99 | - | - | - |
| U.S./Canada Border to Cape Falcon (July-Sept.) | 10,300 * | 9,269 | 0.90 | 12,800 ^{b/} | 3,517 | 0.27 |
| Subtotal Non-Indian Commercial Troll | 30,900 ^{b/} | 29,738 | 0.96 | 12,800 ^{b/} | 3,517 | 0.27 |
| RECREATIONAL (selective coho and Chinook fisheries) | | | | | | |
| U.S./Canada Border to Cape Falcon (June-Chinook) | 2,400 * | 2,393 | 1.00 | - | - | - |
| U.S./Canada Border to Cape Alava (July-Sept.) | 3,330 * | 2,787 | 0.84 | 5,990 ^{b/} | 3,054 | 0.51 |
| Cape Alava to Queets River (July-Oct.) | 1,460 * | 1,514 | 1.04 | 2,600 ^{b/} | 2,050 | 0.79 |
| Queets River to Leadbetter Pt. (July-Sept.) | 17,600 * | 17,237 | 0.98 | 24,860 | 13,843 | 0.56 |
| Leadbetter Pt. to Cape Falcon (July-Sept.) | 7,710 * | 6,895 | 0.89 | 33,600 | 26,676 | 0.79 |
| Subtotal Recreational | 32,500 ^{b/} | 30,826 | 0.95 | 67,050 ^{b/} | 45,624 | 0.68 |
| TOTAL NORTH OF CAPE FALCON | 104,400 | 92,249 | 0.88 | 121,850 ^{b/} | 62,754 | 0.52 |
| SOUTH OF CAPE FALCON | | | | | | |
| COMMERCIAL TROLL (all except coho) | | | | | | |
| Humbug Mt. to OR/CA Border (June) | 1,500 | 254 | 0.17 | - | - | - |
| Humbug Mt. to OR/CA Border (July) | 1,200 | 27 | 0.02 | - | - | - |
| Humbug Mt. to OR/CA Border (August) | 1,000 | 331 | 0.33 | - | - | - |
| OR/CA Border to Humboldt South Jetty (July) | 1,400 | 1,585 | 1.13 | - | - | - |
| OR/CA Border to Humboldt South Jetty (Aug.) | 880 ^{b/} | 810 | 0.92 | - | - | - |
| Subtotal Troll | 5,980 ^{b/} | 3,007 | 0.50 | - | - | - |
| RECREATIONAL | | | | | | |
| Cape Falcon to Humbug Mt. (July-Aug.) | - | - | - | 15,000 | 6,123 | 0.41 |
| Cape Falcon to Humbug Mt. (Sept.) | - | - | - | 5,900 ^{b/} | 6,623 | 1.12 |
| TOTAL SOUTH OF CAPE FALCON | 5,980 | 3,007 | 0.50 | 20,900 ^{b/} | 12,746 | 0.61 |
| GRAND TOTAL COUNCIL AREA | 110,380 | 95,256 | 0.86 | 142,750 ^{b/} | 75,500 | 0.53 |

a/ Guidelines for Chinook fisheries are marked with an asterisk (*).

b/ Quotas do not match preseason quota/guidelines because inseason actions (i.e., trades and transferring quotas on an impact neutral basis) resulted in increases or decreases to the overall quota. See Tables I-1, I-2, I-3, or Appendix Table C-9 for specifics of inseason adjustments.

TABLE I-7. Estimated incidental mortality of Chinook and coho in 2011 ocean salmon fisheries. Observed incidental mortality was calculated by scaling preseason projections of incidental mortality by the ratio of observed to projected catch.

| Area and Fishery | 2011 | 2011 | 2011 | Observed in 2011 | |
|---|---------------------|--|-------------------------------------|------------------|----------------------|
| | Catch Projection | Bycatch Mortality ^{a/} Projection | Bycatch Projection ^{b/} | Catch | Bycatch Mortality |
| CHINOOK (thousands of fish) | | | | | |
| <u>OCEAN FISHERIES:</u> | | | | | |
| NORTH OF CAPE FALCON | | | | | |
| Treaty Indian Ocean Troll | 41.0 | 5.2 | 14.0 | 34.6 | 4.4 |
| Non-Indian Commercial Troll | 30.9 | 7.2 | 23.3 | 29.7 | 6.9 |
| Recreational | 33.7 | 4.0 | 18.2 | 30.8 | 3.7 |
| CAPE FALCON TO HUMBUG MT. ^{c/} | | | | | |
| Commercial Troll | 100.9 | 13.4 | 33.4 | 27.8 | 3.7 |
| Recreational | 9.6 | 0.9 | 1.8 | 2.6 | 0.2 |
| HUMBUG MT. TO HORSE MT. ^{c/} | | | | | |
| Commercial Troll | 7.2 | 1.0 | 2.4 | 3.7 | 1.8 ^{d/} |
| Recreational | 30.6 | 3.0 | 9.5 | 10.8 | 3.7 ^{d/} |
| SOUTH OF HORSE MT. | | | | | |
| Commercial | 148.5 | 19.8 | 49.2 | 67.4 | 20.9 ^{d/} |
| Recreational | 102.8 | 10.0 | 27.9 | 39.2 | 10.2 ^{d/} |
| TOTAL OCEAN FISHERIES | | | | | |
| Commercial Troll | 328.5 | 46.6 | 122.3 | 163.2 | 37.8 |
| Recreational | 176.7 | 17.9 | 57.4 | 83.4 | 17.8 |
| <u>INSIDE FISHERIES:</u> | | | | | |
| Area 4B | - | - | - | - | - |
| Buoy 10 | 10.7 | NA | NA | 10.9 | 1.1 ^{d/} |
| COHO (thousands of fish) | | | | | |
| <u>OCEAN FISHERIES:</u> | | | | | |
| NORTH OF CAPE FALCON | | | | | |
| Treaty Indian Ocean Troll | 42.0 | 3.0 | 5.6 | 13.6 | 1.0 |
| Non-Indian Commercial Troll | 12.8 | 8.8 | 30.1 | 3.5 | 2.4 |
| Recreational | 67.2 | 15.9 | 73.7 | 45.6 | 13.6 |
| SOUTH OF CAPE FALCON ^{c/} | | | | | |
| Commercial Troll | 0.0 | 9.9 | 38.0 | 0.0 | 9.9 |
| Recreational | 18.0 | 14.2 | 87.9 | 13.1 | 10.3 |
| TOTAL OCEAN FISHERIES | | | | | |
| Commercial Troll | 54.8 | 21.7 | 73.7 | 17.1 | 13.3 |
| Recreational | 85.2 | 30.1 | 161.6 | 58.7 | 24.0 |
| <u>INSIDE FISHERIES:</u> | | | | | |
| Area 4B | - | - | - | - | - |
| Buoy 10 | 7.0 | 1.3 | 5.2 | 7.6 | 2.3 ^{e/} |

a/ The bycatch mortality reported in this table consists of drop-off mortality (includes predation on hooked fish) plus hook-and-release mortality of Chinook and coho salmon in Council-area fisheries. Drop-off mortality for both Chinook and coho is assumed to be equal to 5% of total encounters. The hook-and-release mortality (HRM) rates used for both Chinook and coho are:

Commercial: 26%.

Recreational, north of Pt. Arena: 14%.

Recreational, south of Pt. Arena: 19% (based on the proportion of fish caught using mooching versus trolling gear, and the HRM rates of 42.2% and 14% for these gear types, respectively).

b/ Bycatch calculated as dropoff mortality plus fish released.

c/ Includes Oregon territorial water, late season Chinook fisheries.

d/ Based on reported released Chinook.

e/ Based on reported released coho.

TABLE I-8. Summary of 2011 recreational fisheries selective for marked hatchery Chinook (preliminary data).

| Area | Anticipated Mark Rate | Observed Mark Rate | Preseason Quota | Anticipated Nonretention Mortality ^{a/} | Landed Chinook Catch | | | Legal sized Chinook Released ^{b/} | Sub-legal Sized Chinook Released ^{b/} | Estimated Nonretention Mortality ^{a/} | Effort ^{c/} |
|--------------------------------------|--------------------------|-----------------------|---------------------|--|----------------------|--------|----------|--|---|--|----------------------|
| | | | | | Total | Marked | Unmarked | | | | |
| Recreational | | | | | | | | | | | |
| Ocean Fisheries | | | | | | | | | | | |
| Neah Bay/La Push | 85% | 57% | - | 158 | 217 | 216 | 1 | 135 | 160 | 59 | 1,629 |
| Westport | 71% | 70% | - | 1,407 | 1,852 | 1,821 | 31 | 755 | 1,459 | 440 | 7,822 |
| Columbia River | 87% | 70% | - | 159 | 324 | 322 | 2 | 102 | 1,932 | 306 | 900 |
| North of Cape Falcon Total | - | - | 4,800 | 1,724 | 2,393 | 2,359 | 34 | 992 | 3,551 | 805 | 10,351 |
| Inside Fisheries | | | | | | | | | | | |
| Strait of Juan de Fuca ^{d/} | 58% | 25% | 4,779 ^{e/} | 2,274 | 4,623 | 4,534 | 89 | 13,613 | 5,018 | 3,520 | 17,283 |
| Grand Total | - | - | 9,579 | 3,998 | 7,016 | 6,893 | 123 | 14,605 | 8,569 | 4,325 | 27,634 |

a/ Hook-and-release plus drop-off mortality of marked plus unmarked fish; computation of estimated nonretention mortality differs from 2010 and prior years.

b/ Calculated from dockside sampling.

c/ Recreational effort measured in angler trips.

d/ Includes Area 5 (July 1 - August 15, 2011) selective fishery only. Data are preliminary.

e/ Expected catch; not a quota.

TABLE I-9. Summary of 2011 recreational and commercial fisheries selective for marked hatchery coho (preliminary data).

| Area | Anticipated Mark Rate | Observed Mark Rate | Preseason Quota | Anticipated Nonretention Mortality ^{a/} | Landed Coho Catch | | | Unmarked Coho Released ^{b/} | Estimated Nonretention Mortality ^{a/} | Effort ^{c/} |
|--------------------------------------|--------------------------|-----------------------|----------------------|--|-------------------|--------|----------|--|--|----------------------|
| | | | | | Total | Marked | Unmarked | | | |
| Recreational | | | | | | | | | | |
| Ocean Fisheries | | | | | | | | | | |
| Neah Bay | 42% | 37% | 6,990 | 2,395 | 3,054 | 2,969 | 85 | 5,537 | 1,205 | 10,552 |
| La Push | 46% | 32% | 1,750 | 494 | 2,050 | 2,026 | 24 | 4,685 | 993 | 4,110 |
| Westport | 54% | 40% | 24,860 | 6,643 | 13,843 | 13,676 | 167 | 22,565 | 4,980 | 29,676 |
| Columbia River | 63% | 54% | 33,600 | 6,406 | 26,669 | 26,589 | 80 | 25,604 | 6,198 | 31,561 |
| North of Cape Falcon Total | - | - | 67,200 | 15,938 | 45,616 | 45,260 | 356 | 58,392 | 13,375 | 75,899 |
| Cape Falcon to Humbug Mt. | 41% | 35% | 15,000 | 7,244 | 6,123 | 6,120 | 3 | 11,430 | 2,478 | 20,132 |
| Ocean Fisheries Total | - | - | 82,200 | 23,182 | 51,739 | 51,380 | 359 | 69,822 | 15,853 | 96,031 |
| Inside Fisheries | | | | | | | | | | |
| 4B Add-on | - | - | - | - | - | - | - | - | - | - |
| Strait of Juan de Fuca ^{d/} | 38% | 32% | 24,770 ^{e/} | 7,404 | 2,699 | 2,625 | 74 | 5,087 | 745 | 24,807 |
| Buoy 10 | 68% | 69% | 7,000 ^{e/} | 1,325 | 7,614 | 7,449 | 165 | 9,195 | 1,498 | 49,409 |
| Inside Fisheries Total | - | - | 31,770 | 8,729 | 10,313 | 10,074 | 239 | 14,282 | 2,243 | 74,216 |
| Commercial | | | | | | | | | | |
| Neah Bay | 41% | - | - | 433 | 140 | 139 | 1 | 220 | 75 | 29 |
| La Push | 45% | - | - | 1,694 | 1,167 | 1,163 | 4 | 1,577 | 547 | 234 |
| Westport | 49% | - | - | 2,891 | 1,708 | 1,672 | 36 | 1,945 | 688 | 447 |
| Columbia River | 56% | - | - | 3,817 | 502 | 502 | 0 | 448 | 164 | 91 |
| Commercial Total | - | - | 12,800 | 8,835 | 3,517 | 3,476 | 41 | 4,190 | 1,475 | 801 |
| Grand Total | - | - | 126,770 | 40,746 | 65,569 | 64,930 | 639 | 88,294 | 19,571 | - |

a/ Hook-and-release plus drop-off mortality of marked plus unmarked fish; computation of estimated nonretention mortality differs from 2010 and prior years.

b/ Calculated from observed mark rates where available; where unavailable, anticipated mark rates are used. Cape Falcon-OR/CA border and Buoy 10 recreational fishery observed mark rates based on dockside sampling.

c/ Recreational effort measured in angler trips, commercial effort measured in days fished; includes effort from coho mark-selective fisheries only.

d/ Includes Area 5 (July 1 - September 15, 2011) selective fishery only. Data are preliminary.

e/ Expected catch; not a quota.

TABLE I-10. Chinook catch by Southeast Alaska marine fisheries in thousands of fish.

| Year | Total Catches | | | Treaty Chinook | | | Additional Catch | |
|--------------------|---------------|------|-------|----------------|------|-------|----------------------------------|-------------------------------|
| | Troll | Net | Sport | Troll | Net | Sport | Terminal Exclusion ^{a/} | Hatchery Add-On ^{b/} |
| 1985 | 215.8 | 33.9 | 24.9 | 211.9 | 33.3 | 23.0 | 0.0 | 6.2 |
| 1986 | 237.7 | 22.1 | 22.6 | 231.6 | 20.6 | 19.0 | 0.0 | 11.1 |
| 1987 | 242.6 | 15.5 | 24.3 | 231.1 | 14.0 | 20.3 | 0.0 | 17.1 |
| 1988 | 231.4 | 21.8 | 26.2 | 217.1 | 17.4 | 22.3 | 0.0 | 22.5 |
| 1989 | 235.7 | 24.2 | 31.1 | 224.2 | 18.5 | 26.8 | 0.0 | 21.5 |
| 1990 | 287.9 | 27.7 | 51.2 | 263.5 | 16.1 | 41.4 | 0.0 | 45.9 |
| 1991 | 264.1 | 34.9 | 60.5 | 231.8 | 21.0 | 45.1 | 0.0 | 61.5 |
| 1992 | 183.8 | 32.1 | 42.9 | 162.6 | 24.0 | 35.3 | 0.0 | 36.8 |
| 1993 | 226.9 | 28.0 | 49.2 | 212.3 | 16.2 | 42.7 | 0.0 | 32.9 |
| 1994 | 186.3 | 35.7 | 42.4 | 177.1 | 22.6 | 35.5 | 0.0 | 29.2 |
| 1995 | 138.1 | 48.0 | 49.7 | 115.1 | 26.4 | 35.5 | 0.0 | 58.8 |
| 1996 | 141.5 | 37.3 | 57.5 | 107.6 | 8.4 | 39.0 | 8.7 | 72.6 |
| 1997 | 246.4 | 25.1 | 71.5 | 221.9 | 11.4 | 53.3 | 9.8 | 46.5 |
| 1998 | 192.1 | 23.5 | 55.0 | 183.5 | 13.4 | 46.3 | 2.4 | 25.0 |
| 1999 | 146.2 | 32.7 | 72.1 | 132.7 | 12.9 | 53.2 | 4.5 | 47.7 |
| 2000 | 158.7 | 41.4 | 63.2 | 134.0 | 11.1 | 41.4 | 2.5 | 74.3 |
| 2001 | 153.3 | 40.2 | 72.3 | 128.7 | 13.5 | 44.7 | 1.5 | 77.3 |
| 2002 | 325.3 | 31.7 | 69.5 | 298.1 | 13.5 | 45.5 | 1.2 | 68.2 |
| 2003 | 330.7 | 39.4 | 69.4 | 307.4 | 23.5 | 49.2 | 2.1 | 57.2 |
| 2004 | 354.7 | 64.0 | 80.6 | 321.9 | 39.7 | 55.4 | 6.3 | 76.0 |
| 2005 | 338.4 | 71.6 | 86.6 | 305.0 | 19.4 | 63.4 | 43.6 | 65.3 |
| 2006 | 282.3 | 70.4 | 85.8 | 264.0 | 24.7 | 69.8 | 30.8 | 49.1 |
| 2007 | 268.1 | 55.9 | 82.8 | 241.0 | 25.6 | 61.9 | 8.8 | 69.6 |
| 2008 | 151.9 | 46.1 | 49.3 | 126.5 | 13.2 | 32.7 | 6.9 | 68.2 |
| 2009 | 175.6 | 54.1 | 69.6 | 159.0 | 22.4 | 48.1 | 4.7 | 65.2 |
| 2010 | 195.5 | 33.5 | 58.5 | 177.8 | 9.5 | 44.3 | 0.1 | 55.8 |
| 2011 ^{c/} | 242.1 | 55.7 | 60.5 | 220.7 | 19.7 | 49.9 | 0.8 | 74.7 |

a/ Catch in terminal net fisheries. These catches are not subject to PST limitations.

b/ Catch of increased production of Alaska hatchery fish. These catches are not subject to PST limitations.

c/ Preliminary.

TABLE I-11. Chinook and coho catches by Canadian marine fisheries in thousands of fish.

| Year or Avg. | Northern B.C. | | Central B.C. | | North-Central B.C. Sport | WCVI | | | Strait of Georgia | | | | Juan de Fuca | | | |
|--------------------|---------------|-------|--------------|-------|--------------------------|----------|----------|------|-------------------|-------|-------------------|-------|--------------|-------|-------|-------|
| | Troll | Net | Troll | Net | | NW Troll | SW Troll | Net | Outside Sport | Troll | Net ^{a/} | Sport | | Troll | Net | Sport |
| | | | | | | | | | | | | North | South | | | |
| CHINOOK | | | | | | | | | | | | | | | | |
| 1986-1990 | 168.9 | 28.1 | 41.6 | 14.1 | 17.8 | 110.3 | 215.9 | 17.8 | 28.6 | 39.1 | 35.8 | 68.1 | 34.7 | 0.1 | 11.5 | 30.6 |
| 1991-1995 | 143.9 | 30.1 | 25.2 | 14.0 | 30.9 | 111.8 | 98.5 | 20.4 | 45.7 | 25.3 | 22.2 | 62.5 | 17.7 | 0.0 | 6.2 | 16.6 |
| 1996-2000 | 51.5 | 17.8 | 3.3 | 4.7 | 35.6 | 16.6 | 19.8 | 0.6 | 18.9 | 0.8 | 11.2 | 28.9 | 8.8 | 0.2 | 0.2 | 14.3 |
| 2001 | 13.1 | 25.4 | 0.0 | 6.5 | 49.1 | 23.9 | 53.6 | 0.0 | 40.2 | 0.5 | 4.5 | 21.5 | 9.6 | 0.0 | 0.0 | 23.5 |
| 2002 | 103.0 | 14.9 | 0.5 | 4.7 | 62.4 | 43.0 | 90.8 | 0.5 | 32.1 | 0.6 | 9.6 | 43.7 | 9.1 | 0.0 | 0.0 | 24.1 |
| 2003 | 137.4 | 14.7 | 0.0 | 2.8 | 70.6 | 58.0 | 93.8 | 9.1 | 24.0 | 0.7 | 12.6 | 14.0 | 6.4 | 0.0 | 0.3 | 26.6 |
| 2004 | 167.5 | 16.2 | 0.0 | 6.3 | 92.7 | 85.4 | 88.7 | 12.5 | 42.5 | 0.6 | 12.5 | 10.2 | 3.8 | 0.0 | 0.0 | 40.9 |
| 2005 | 174.8 | 8.2 | 0.0 | 6.3 | 85.8 | 110.0 | 38.8 | 23.6 | 53.9 | 0.0 | 5.6 | 10.4 | 1.9 | 0.0 | 0.2 | 30.5 |
| 2006 | 151.5 | 13.7 | 0.0 | 5.2 | 81.9 | 53.9 | 55.3 | 20.3 | 37.9 | 0.0 | 3.6 | 9.8 | 2.4 | 0.0 | 0.2 | 26.4 |
| 2007 | 83.2 | 11.4 | 0.0 | 5.5 | 75.1 | 28.4 | 58.8 | 26.9 | 46.2 | 0.0 | 2.7 | 12.4 | 2.1 | 0.0 | 0.1 | 26.5 |
| 2008 | 52.1 | 7.4 | 0.0 | 1.1 | 58.4 | 15.3 | 74.4 | 8.3 | 50.6 | 0.0 | 4.2 | 6.5 | 2.5 | 0.0 | 0.2 | 22.3 |
| 2009 | 75.5 | 4.3 | 0.0 | 3.1 | 46.4 | 17.2 | 31.8 | 9.8 | 68.9 | 0.0 | 4.8 | 12.4 | 5.5 | 0.0 | 0.4 | 25.6 |
| 2010 | 90.2 | 3.1 | - | 1.5 | 58.0 | 34.7 | 44.5 | 1.7 | 54.9 | 0.0 | 9.6 | 11.5 | 4.0 | - | 0.2 | 15.6 |
| 2011 ^{b/} | 74.7 | 4.6 | - | 4.8 | 70.1 | 70.0 | 54.0 | 21.8 | 78.4 | 0.0 | 0.5 | 15.5 | 6.1 | - | 0.0 | 13.6 |
| COHO | | | | | | | | | | | | | | | | |
| 1986-1990 | 716.3 | 139.9 | 275.2 | 132.2 | 28.0 | 600.0 | 1,277.9 | 14.2 | 19.1 | 178.4 | 109.2 | 512.9 | 106.0 | 0.7 | 194.4 | 66.2 |
| 1991-1995 | 574.2 | 147.7 | 98.5 | 55.0 | 42.2 | 501.3 | 921.2 | 4.9 | 31.7 | 95.1 | 56.2 | 221.0 | 67.6 | 0.0 | 92.1 | 105.9 |
| 1996-2000 | 116.7 | 30.5 | 4.1 | 8.5 | 24.1 | 47.2 | 110.5 | 0.2 | 11.1 | 0.0 | 2.3 | 6.2 | 2.9 | 0.1 | 0.9 | 38.9 |
| 2001 | 1.1 | 9.9 | 0.0 | 2.7 | NA | 0.0 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 | 9.3 | 1.7 | 0.0 | 0.0 | 0.2 |
| 2002 | 118.9 | 1.2 | 8.5 | 0.0 | 49.3 | 0.0 | 0.0 | 1.0 | 4.9 | 0.0 | 0.0 | 3.1 | 1.5 | 0.0 | 0.0 | 3.8 |
| 2003 | 195.0 | 6.9 | 18.9 | 3.5 | NA | 0.0 | 0.1 | 5.4 | 13.4 | 0.0 | 0.0 | 1.1 | 7.5 | 0.0 | 0.0 | 11.8 |
| 2004 | 225.5 | 24.2 | 31.7 | 47.3 | 27.0 | 0.1 | 0.0 | 2.9 | 20.3 | 0.0 | 0.2 | 1.4 | 1.6 | 0.0 | 0.0 | 11.1 |
| 2005 | 260.3 | 48.5 | 49.5 | 52.5 | NA | 0.6 | 1.4 | 4.0 | 12.4 | 0.0 | 0.0 | 0.7 | 0.7 | 0.0 | 0.0 | 8.8 |
| 2006 | 125.7 | 1.1 | 12.7 | 5.0 | 62.0 | 1.2 | 1.2 | 2.2 | 33.7 | 0.0 | 0.0 | 2.7 | 0.9 | 0.0 | 0.0 | 2.9 |
| 2007 | 153.1 | 61.7 | 28.9 | 18.9 | 53.2 | 1.4 | 0.0 | 4.8 | 25.3 | 0.0 | 0.0 | 6.5 | 2.0 | 0.0 | 0.0 | 6.7 |
| 2008 | 62.8 | 0.0 | 13.9 | 0.0 | NA | 0.0 | 0.3 | 5.0 | 27.7 | 0.0 | 0.0 | 1.2 | 0.3 | 0.0 | 0.0 | 1.2 |
| 2009 | 61.0 | 0.1 | 0.0 | 15.9 | 48.0 | 0.0 | 0.0 | 0.9 | 50.0 | 0.0 | 0.0 | 2.6 | 0.6 | 0.0 | 0.0 | 9.5 |
| 2010 | 138.3 | 0.1 | - | 0.4 | 78.7 ^{c/} | 0.1 | 0.4 | 0.8 | 15.1 | 0.2 | 0.6 | 1.2 | 1.1 | - | 0.0 | 0.7 |
| 2011 ^{b/} | 280.7 | 11.2 | 15.9 | 0.0 | 97.5 ^{d/} | 0.0 | 0.0 | 1.0 | 54.0 | 0.0 | 0.3 | 0.6 | 0.6 | 0.0 | 15.6 | 10.2 |

a/ Includes Johnstone strait nets, net fisheries in Strait of Georgia, and Fraser seine.

b/ Preliminary.

c/ Does not include catch from Areas 5, 6, and 10.

d/ Does not include catch from Area 6.

TABLE I-12. West Coast Vancouver Island aggregate abundance based management troll Chinook salmon catch by month.

| Season | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. ^{b/} | Sept. | Total |
|-------------------------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------------------|--------|---------|
| 2005-2006 | 12,198 | 2,156 | 1,689 | 1,468 | 5,154 | 7,883 | 20,561 | 7,078 | 20,807 | - | 886 | 24,098 | 103,978 |
| 2006-2007 | 16,000 | 1,200 | 800 | 5,500 | 2,600 | 2,300 | 5,200 | 23,500 | 25,000 | - | - | 6,000 | 88,100 |
| 2007-2008 | 3,137 | - | - | 1,634 | 1,911 | - | 1,717 | 11,105 | 15,944 | - | 9,099 | 45,157 | 89,704 |
| 2008-2009 | 1,882 | 1,209 | 1,107 | 3,394 | 1,540 | 586 | 3,616 | 18,062 | 12,165 | - | 9,630 | - | 53,191 |
| 2009-2010 ^{a/} | - | - | - | - | - | - | 8,553 | 31,296 | 23,652 | - | 11,642 | 3,980 | 79,123 |
| 2010-2011 ^{a/} | - | - | - | - | 1,849 | 875 | 8,670 | 41,239 | 34,394 | 15,619 | 21,284 | - | 123,930 |

a/ Preliminary.

b/ Fishery restricted to plugs only.

TABLE I-13. Summary of 2011 coho catch and release in British Columbia commercial fisheries.

| Gear/Area | Coho Kept | Coho Released |
|----------------------------------|-----------|---------------|
| Northern Troll | 280,715 | 13,107 |
| Northern Net | 11,163 | 4,887 |
| North Central Troll | 15,932 | 8 |
| South Central Troll | 0 | 787 |
| Central Net | 15,628 | 10,321 |
| Johnstone Strait Net | 505 | 17,526 |
| Strait of Georgia Net | 292 | 1,712 |
| Strait of Georgia Troll | 0 | 5 |
| Fraser Gill Net | 3 | 365 |
| Northwest Vancouver Island Troll | 0 | 6,520 |
| Southwest Vancouver Island Troll | 0 | 5,719 |
| Northwest Vancouver Island Net | 689 | 6 |
| Southwest Vancouver Island Net | 296 | 669 |

TABLE I-14. Summary of 2011 coho catch and release in British Columbia recreational fisheries.

| Area | Kept | Released |
|---------------------|--------|----------|
| Juan de Fuca Strait | 10,182 | 12,666 |
| Strait of Georgia | 1,233 | 13,484 |
| Johnstone Strait | 3,192 | 6,468 |
| WCVI ^{a/} | 53,974 | 96,668 |
| Total | 68,581 | 129,286 |

a/ Includes impacts of mark-selective fisheries and inside fisheries.

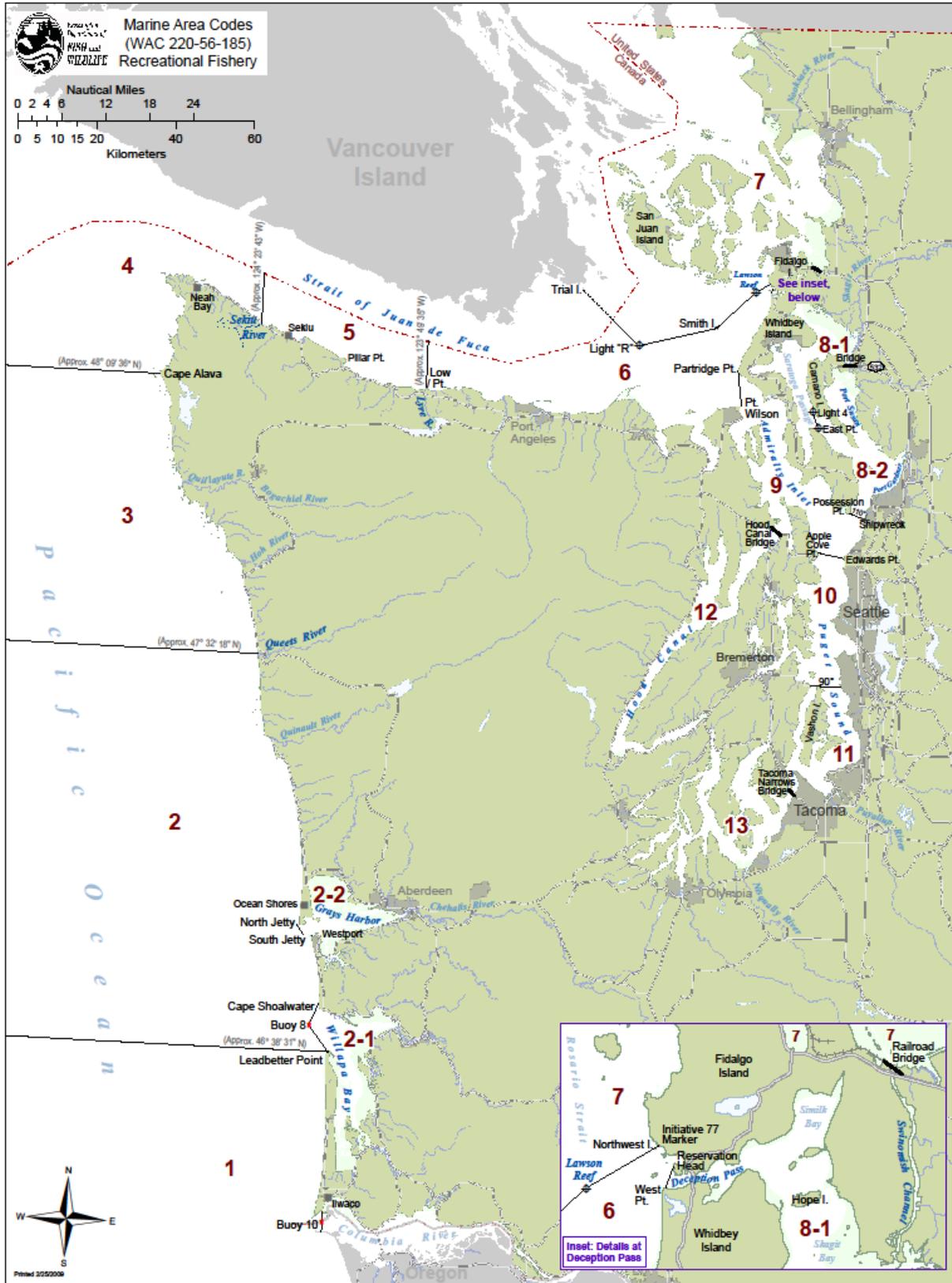


Figure I-1. Washington marine area code numbers and locations.

CHAPTER II

CHINOOK SALMON MANAGEMENT

CENTRAL VALLEY CHINOOK STOCKS

Central Valley Chinook stocks include fall, late-fall, winter, and spring stocks of the Sacramento and San Joaquin rivers and their tributaries. Two of these stocks are listed under the ESA: (1) Sacramento River winter Chinook, listed as endangered in January 1994; and (2) Central Valley spring Chinook, listed as threatened in September 1999.

Management Objectives

The following conservation objectives guided Council management of Central Valley Chinook salmon stocks in the 2011 fisheries: (1) for SRFC, an escapement goal of 122,000 to 180,000 hatchery and natural area adults, including additional NMFS guidance to target the upper end of the escapement goal range; and (2) for Sacramento River winter and Central Valley spring Chinook, the ESA consultation standard concerning the duration and timing of the commercial and recreational ocean salmon fisheries south of Point Arena, as well as additional NMFS guidance on recreational size limits intended to reduce mortality of Sacramento River winter Chinook. Harvest impacts on Central Valley Chinook were a primary management concern in fisheries south of Point Arena, California.

Regulations to Achieve Objectives

A relatively high SRFC abundance index forecast in 2011 did not constrain fisheries as had lower forecasts in 2008, 2009, and 2010. Rather, fishing opportunity south of Falcon was constrained by the California Coastal Chinook consultation standard that limited the KRFC age-4 ocean harvest rate to a maximum of 16 percent and the exploitation rate limit on ESA listed tule Chinook. A 24 inch total length minimum size limit for Chinook in recreational fisheries south of Point Arena was enacted to increase protection of endangered Sacramento River winter Chinook. The 24 inch minimum size limit was extended north to Horse Mt. to provide consistency with recreational size limits coastwide. Season and size limit details are presented in Tables I-1 and I-3.

Commercial

Harvest impacts on Sacramento Winter Chinook were a primary management concern in fisheries south of Point Arena, California. To meet the terms of the Sacramento River winter and Central Valley spring Chinook ESA consultation standard, the commercial season south of Point Arena opened on May 1 and closed on September 30 (with closures within this period). In addition, an October 3-14 fishery was open Monday through Friday. All commercial fisheries in California had a 27 inch minimum size limit. No specific restrictions were required for ocean salmon fisheries to meet the conservation objective and NMFS guidance for SRFC. Under the 2011 regulations, the projected natural and hatchery adult escapement of SRFC was 377,000, which exceeded the upper end of the conservation objective and NMFS guidance to target an escapement level around the upper end of the FMP conservation objective.

Recreational

Recreational seasons and size limits were structured to meet the Sacramento River winter and Central Valley spring Chinook ESA consultation standard. In addition to the consultation standard, the minimum size limit for recreational fisheries south of Point Arena was 24 inches total length for the entire season to comply with 2011 NMFS guidance pertaining to Sacramento River winter Chinook (Chapter I, Regulatory Objectives by Management Area, Horse Mountain to U.S./Mexico Border). The 24 inch minimum size limit extended coastwide for recreational Chinook fisheries.

Recreational fisheries opened on April 2 south of Horse Mountain, May 14 in the KMZ, and March 15 between Cape Falcon and Humbug Mt. Recreational fisheries in the KMZ continued through September 5 (Labor Day), while fisheries north and south of the KMZ extended later into the fall.

Inside Harvest

Recreational angling for salmon in Central Valley rivers was expected to result in a catch of 61,400 adult SRFC. An estimate of SRFC harvest in 2011 Central Valley river fisheries was not available at the time of publication.

Since 1990, regulations have closed the mainstem Sacramento River to retention of salmon from January 15 to July 15, a period when winter Chinook adults are thought to be most abundant. Beginning in 2004, the retention closure was enacted earlier, on January 1 from the Carquinez Bridge to Red Bluff, in response to recovery of winter Chinook coded-wire-tags (CWTs) in the sport fishery. Owing to low Chinook escapement to the Stanislaus, Tuolumne, and Merced rivers during the last decade, the majority of the San Joaquin River has been closed to recreational salmon fishing.

Escapement and Management Performance

Chinook catch in commercial and recreational fisheries south of Cape Falcon were generally below preseason expectations. Overall, commercial Chinook fisheries caught about 31 percent of preseason expectations and recreational Chinook fisheries caught about 37 percent of preseason expectations (Table I-7).

Sacramento River Fall Chinook

Under the 2011 regulations, the projected spawning escapement in the Sacramento River Basin was 377,000 hatchery and natural area fall Chinook adults. A total of 121,742 hatchery and natural area SRFC adults were estimated to have returned to the Sacramento River basin for spawning in 2011 (Table II-1, Figure II-1), which was slightly below the MSY spawner escapement objective of 122,000.

Fall Chinook returns to Sacramento River hatcheries in 2011 totaled 42,871 adults, and escapement to natural areas was 78,871 adults. Available data indicate hatchery-produced fish constitute a large portion of the Sacramento River naturally spawning fall Chinook population. Table II-1 and Figure II-1 display historical natural and hatchery fall spawner escapement estimates. For a more detailed breakdown of the historical escapement see Appendix B, Tables B-1 and B-2.

Adult spawning escapements for hatchery and natural SRFC in 2007, 2008, and 2009 were lower than the FMP conservation objective in place at the time, and therefore an Overfishing Concern was triggered, which resulted in a NMFS determination that the stock was overfished. The geometric mean of SRFC escapement in 2009, 2010, and 2011 was 85,195, which was below the MSST of 91,500 identified in FMP Amendment 16; therefore, SRFC should be considered overfished. Estimates of the SRFC exploitation rate were not available for 2011; however, fisheries in 2010 resulted in an exploitation rate of 0.18, well below the MFMT (0.78). Therefore, overfishing of SRFC did not occur in 2010, and the stock should not be considered subject to overfishing (Table II-6).

Sacramento River Winter and Spring Chinook

Spawner escapement of endangered winter Chinook salmon in 2011 was estimated to be 637 adults and 187 jacks, the lowest escapement in over 10 years. This estimate is derived from a carcass survey conducted on the upper Sacramento River and includes winter Chinook captured in the Keswick trap, which provides broodstock to Livingston Stone National Fish Hatchery. Spawner escapement estimates derived from Red Bluff Diversion Dam counts began in 1967, and from 1987 to 2008 the estimates were derived by expanding counts made during the period of dam operation (which overlaps with

approximately 15 percent of the winter run migration period). Escapement estimates from the carcass survey are considered to better represent winter run spawner escapement owing to the small proportion of the winter run migration sampled during the Red Bluff Diversion Dam operation period.

Escapement of spring Chinook to the Sacramento River system in 2011 totaled 7,400 fish (jacks and adults), most of which (an estimated 5,431 fish) returned to upper Sacramento River tributaries; the remaining 1,969 fish returned to the Feather River Hatchery. No estimate of spring Chinook escapement to the upper mainstem Sacramento River could be made in 2011 due to changes in Red Bluff Diversion Dam operations. The method used to estimate the spring Chinook return to the Feather River Hatchery was modified in 2005. In previous years, the estimate was equal to the number of Chinook that entered the hatchery during the early period of Chinook spawning. From 2005 through 2011, prior to the spring run spawning period, fish that entered the hatchery were tagged and returned to the river; the number of tagged fish that re-entered the hatchery during the spring run spawning period was used as the estimate of spring Chinook escapement in the Feather River. The fish that were tagged at the hatchery and returned to the river but did not re-enter the hatchery during the spawning period were counted in the natural fall run survey and reported as Feather River fall Chinook. The natural area spawner surveys in the Feather River are not currently capable of separating the spring and fall runs.

Historical spawner escapements for Sacramento River winter and spring Chinook salmon are presented in Appendix B, Table B-3.

San Joaquin River Fall Chinook

San Joaquin River spawning areas are used primarily by fall Chinook. The estimated San Joaquin River fall Chinook spawning escapement in 2011 totaled 6,975 jacks and adults in natural areas and 16,342 jacks and adults to hatcheries (Appendix B, Tables B-1 and B-2 provide historical spawner escapements). Returns of jacks to hatchery areas comprised an unusually large proportion of total San Joaquin River returns in 2011. Salmon production in the San Joaquin River is determined largely by spring outflows three years earlier. Since 1986, spawner returns to the San Joaquin River have constituted less than 10 percent of the total Central Valley escapement for fall run Chinook.

NORTHERN CALIFORNIA COAST CHINOOK STOCKS

Northern California stocks include fall and spring stocks north of the entrance to San Francisco Bay. Primary river systems in this area are (from north to south) the Smith, Klamath, Mad, Eel, Mattole, and Russian rivers. Coastal Chinook stocks south of the Klamath River were listed as threatened under the ESA in September 1999.

Management Objectives

The NMFS ESA consultation standard for California Coastal Chinook primarily influenced management of 2011 Chinook fisheries south of Cape Falcon, Oregon. KRFC provided the basis for the NMFS ESA consultation standard for California Coastal Chinook, which limits the ocean harvest rate on age-4 KRFC to no more than 16.0 percent. During the preseason process, KRFC were managed in accordance with the conservation objective in effect that specified a maximum adult natural spawner reduction rate of 67 percent, with a minimum spawner escapement floor of 35,000 adults in natural areas. The available harvest of KRFC was shared equally between non-tribal and Klamath River tribal fisheries (tribes with Federally-recognized fishing rights).

Regulations to Achieve Objectives

To achieve the management objectives for California coastal Chinook and KRFC, the adopted regulations were designed to result in: (1) a Klamath River run of 101,500 fall Chinook adults, resulting in a spawner escapement of 35,000 adults to natural areas, taking into account projected river fishery impacts of 45,900

adults and returns to basin hatcheries; (2) 50 percent (34,800) of the allowable adult harvest for tribal subsistence and commercial fisheries; (3) 22.8 percent (7,900) of the non-tribal harvest to the Klamath River recreational fishery; and (4) 12.8 percent (approximately 3,400 fish) of the ocean harvest to the KMZ recreational fishery. The age-4 ocean harvest rate resulting from the above configuration was forecast to be 16.0 percent. Season and size limit details are presented in Tables I-1 and I-3.

Commercial

Commercial fisheries south of Cape Falcon were constrained during the spring and summer months primarily to meet the California Coastal Chinook ESA consultation standard of a maximum KRFC age-4 ocean harvest rate of 16.0 percent and the ESA consultation standard for LCN natural coho of a maximum total marine and mainstem Columbia River fishery exploitation rate of 15.0 percent. Several quota fisheries in the Oregon and California KMZ were open in 2011, and the Oregon KMZ was open without a quota for the month of May. Commercial fishing opportunity in areas north and south of the KMZ were more extensive relative to the past three years. Oregon held four fall state-waters-only terminal area fisheries in 2011 (Table I-1).

Recreational

Recreational fisheries were permitted in the KMZ from May 14 through the Labor Day weekend. Fisheries both north and south of the KMZ began earlier in the spring; March 15 for the area between Cape Falcon and Humbug Mountain and April 2 for the area south of Horse Mountain. These fisheries also extended later into September and October than recreational fisheries in the KMZ. Fall state-waters-only terminal recreational fisheries were allowed for three areas in Oregon (Table I-3).

Inside Harvest

Yurok and Hoopa tribes shared a federally reserved right of 50 percent (34,800) of the available harvest surplus of adult Klamath fall Chinook. The State of California managed the river recreational fishery under a 7,900 adult fall Chinook quota. Tribal adult harvest was 26,371, which was 76 percent of the quota (Appendix B, Table B-5). The estimated recreational fishery harvest was 4,164 adult fish, which was 53 percent of the quota. Harvest estimates from streams outside the Klamath River Basin were not available.

Escapement and Management Performance

The commercial quota fisheries in the Oregon portion of the KMZ attained only 17, 2, and 33 percent of their June, July, and August quotas, respectively. The July California KMZ commercial fishery exceeded the quota by 13 percent, and the August quota was reduced to account for the overage on an impact neutral basis. The adjusted August quota was nearly met; 92 percent of the quota was attained (Table I-6).

Threatened California North Coast Chinook

Historical indices of spawner abundance, or actual spawning escapement estimates, for Chinook salmon in California coastal streams outside of the Klamath River Basin are limited. cursory, nonsystematic surveys are conducted on one tributary of the Mad River and two tributaries of the Eel River. Video counts of Chinook passage at Mirabel Dam on the Russian River have been conducted since 2000 (Appendix B, Table B-7).

The 2011 preseason forecast of the KRFC age-4 ocean harvest rate was 16.0 percent (the ESA consultation standard for California Coastal Chinook is no more than 16.0 percent). The postseason evaluation of the 2011 KRFC age-4 ocean harvest rate was not available.

Klamath River Fall Chinook

The 2011 preliminary postseason river run size estimate for KRFC was 103,005 adults compared to the preseason predicted ocean escapement (river run size) of 101,500 adults. The escapement to natural spawning areas was 47,755 adults, which was 136 percent of the preseason prediction of 35,000 adults and higher than the MSY spawner escapement level of 40,700. The estimated hatchery return was 22,336 adults. Jack returns in the Klamath Basin totaled an estimated 74,223, including 62,799 in natural spawning areas; this was the highest jack return on record since 1978. Table II-2, Figure II-2, and Appendix B, Table B-4 present historical harvest and escapement data for KRFC.

Spawning escapement to the upper Klamath River tributaries (Salmon, Scott, and Shasta Rivers), where spawning was only minimally affected by hatchery strays, totaled 6,903 adults. The Shasta River has historically been the most important Chinook salmon spawning stream in the upper Klamath River, supporting a spawning escapement of 30,700 adults as recently as 1964, and 63,700 in 1935. The escapement in 2011 to the Shasta River was 213 adults, the lowest on record since 1949; however jack counts in the Shasta were 11,187, the highest on record since 1939. Escapement to the Salmon and Scott Rivers was 3,674 and 3,016 adults, respectively (Appendix B, Table B-6).

The geometric mean of KRFC natural area adult escapement in 2009, 2010, and 2011 was 42,898, which exceeded both the MSST threshold (30,525) and the MSY spawner escapement level. Estimates of the KRFC exploitation rate were not available for 2011. Fisheries in 2010 resulted in an exploitation rate of 0.42, which is lower than the MFMT (0.71). Therefore, KRFC should not be considered overfished or subject to overfishing (Table II-6).

OREGON COAST CHINOOK STOCKS

Oregon Coast Chinook stocks include all fall and spring stocks from Oregon streams south of the Columbia River. These stocks are categorized into two major subgroups based on ocean migration patterns. Although ocean harvest distributions overlap somewhat, they are categorized as either north or south/local migrating. North migrating Chinook stocks include stocks from the Elk River north, with the exception of Umpqua River spring Chinook. South/local migrating Chinook stocks include Rogue River spring and fall Chinook, Umpqua River spring Chinook, and fall Chinook from smaller rivers south of the Elk River.

Based on CWT analysis, the populations from 10 major north Oregon Coast (NOC) river systems from the Nehalem through the Siuslaw Rivers are harvested primarily in PSC ocean fisheries off B.C., SEAK and Oregon terminal area fisheries. NOC stocks are harvested to a much lesser degree in Council area fisheries off Washington and Oregon. Analysis of CWTs indicates the populations from five major mid-Oregon Coast (MOC) systems between the Coos and the Elk Rivers are harvested primarily in ocean fisheries off B.C., Washington, Oregon, and in terminal area fisheries. Minor catches occur in California fisheries and variable catches in SEAK troll fisheries. South/local stocks are important contributors to ocean fisheries off Oregon and northern California. Another central Oregon stock, Umpqua River spring Chinook, contributes primarily to ocean fisheries off Oregon and California, and to a lesser degree, off Washington, B.C., and SEAK.

Management Objectives

The conservation objective for Oregon Coast Chinook was an aggregate of 150,000 to 200,000 natural adult spawners, as indicated by peak spawner counts of 60 to 90 fish per mile in standard index surveys. This stock has been an abundant stock historically; therefore, preseason abundance estimates were not developed for this stock, and it has not been of critical management concern. ESA consultation standards for OCN coho, LCN coho, and California Coastal Chinook, and KRFC management objectives generally result in reduced Council-area ocean fishery impacts on Oregon south/local migrating Chinook stocks.

Council area Chinook fisheries have minor impacts on most of the stocks originating from the NOC and MOC, which have a northerly marine distribution pattern.

Regulations to Achieve Objectives

The areas of primary management concern for ocean fisheries impacting Oregon Coast Chinook vary between the north and south/local migrating stocks, although there is some overlap. Preseason abundance estimates were not available for Oregon Coast Chinook; however, based on postseason abundance indicators, Council area fisheries impacts on these stocks have not significantly affected achievement of management objectives in recent years.

Oregon State waters terminal area fisheries in 2011 were adopted to provide additional harvest on robust hatchery or naturally produced fall Chinook. Special regulations for each of these seasons were implemented to maintain fishery impacts within conservation objectives. These regulations included season quotas, daily and weekly landing limits in commercial fisheries, and reduced daily and season bag limits and partial mark-selective restrictions in recreational fisheries. Season and size limit details are presented in Tables I-1 and I-3.

Inside Harvest

Inside recreational harvest of fall and spring Chinook occurred in most Oregon coastal estuaries and rivers. For the 2011 fisheries, conservative regulations were adopted with the intention of reducing impacts on many of these stocks. Complete estimates of the 2011 recreational Chinook harvest in freshwater areas were not available. Historical estimates of the recreational harvest of fall and spring Chinook, derived from Oregon Department of Fish and Wildlife (ODFW) salmon and steelhead angler catch record cards, are reported in Table II-3.

Escapement and Management Performance

The catch estimate for the four fall terminal area commercial fisheries was 2,347 Chinook.

Under the 2011 regulations, the STT expected the aggregate conservation objective for this stock would be met with the constraints required for California Coastal Chinook, KRFC, and LCN coho. Actual escapement was not estimated for the Oregon Coast Chinook stock aggregate; achievement of the aggregate 150,000 to 200,000 naturally spawning adults was assessed through peak spawner index counts of 60 to 90 adults per mile in nine index streams and included both spring and fall Chinook. Peak spawner index counts were based on traditional non-random surveys (e.g., stream surveys, dam counts, etc.). The aggregate Oregon coast goal of 150,000 to 200,000 naturally spawning Chinook adults was likely met in 2011. ODFW is developing alternate methodologies for establishing escapement goals for Oregon coastal Chinook stocks, including fall Chinook PSC indicator stocks. Upon completion of this process, the escapement goals and assessments for these stocks will likely change.

North Migrating Chinook

Index counts of adult spawners (peak count per index mile) were conducted for seven of the nine standard streams and used to measure natural spawner escapement trends for north migrating fall Chinook in 2011. Data have been collected since about 1950 for most systems. Overall peak Chinook adult index spawner counts in 2011 were preliminarily estimated at 92 adults per mile, higher than the MSY spawner escapement level of 60 adults per mile.

The geometric mean of north migrating Oregon Coast Chinook adult escapement in 2009, 2010, and 2011 was 79 fish per mile, which exceeded both the MSST threshold (30) and the MSY spawner escapement level. Estimates of exploitation rate were not available for 2010 or 2011, but earlier fisheries resulted in

an exploitation rates that were lower than the MFMT (0.78). Therefore, north migrating Oregon Coast Chinook should not be considered overfished or subject to overfishing (Table II-6).

South/Local Migrating Chinook

Standard fall Chinook spawning index escapement data for the smaller southern Oregon coastal rivers (south of the Elk River) were available for the Winchuck, Chetco, and Pistol Rivers (Appendix B, Table B-8). The estimated adults per mile in 2011 were preliminarily estimated at 35 adults per mile, lower than the MSY spawner escapement level of 60 adults per mile.

Rogue River carcass counts were used as an indicator of trends in escapement for naturally produced fall Chinook, but these surveys have not been conducted since 2004 (Table II-4). Two trend indicators of escapement for naturally produced spring Chinook were utilized: (1) Rogue River counts at Gold Ray Dam, and (2) Umpqua River counts at Winchester Dam (Table II-4). Gold Ray Dam was removed in October, 2010. For 2011 an estimate of natural spring Chinook escapement above the Gold Ray Dam site was made using the relationship of 2004-10 spawning ground surveys to the Gold Ray Dam passage. This estimate of 9,940 includes an unknown number jacks. Escapements based on these indicators were similar to recent years' returns (Figures II-3 and II-4).

The geometric mean of south/local migrating Oregon Coast Chinook adult escapement in 2009, 2010, and 2011 was 49 fish per mile, which exceeded the MSST threshold (30); therefore, south/local migrating Oregon Coast Chinook should not be considered overfished. Estimates of exploitation rates were not available so an assessment of overfishing status was not possible, but based on exploitation rates for KRFC, it is unlikely that south/local migrating Oregon coast Chinook were subject to overfishing (Table II-6).

COLUMBIA RIVER BASIN CHINOOK STOCKS

Columbia River Basin Chinook salmon stocks include fall, summer, and spring stocks. NMFS has listed five Chinook ESUs within the Columbia Basin under the ESA, (1) SRW fall Chinook listed as threatened April 1992; (2) Snake River spring/summer listed as threatened April 1992; (3) upper Columbia River spring listed as endangered March 1999; (4) LCR Chinook listed as threatened March 1999; and (5) upper Willamette River spring listed as threatened March 1999.

The assessment below focuses on the five major stock groups of Columbia Basin fall Chinook: lower river hatchery (LRH) tule stock and lower river wild (LRW) bright stock, both of which are part of the ESA-listed LCR Chinook ESU; Spring Creek Hatchery (SCH) tule stock; upriver bright (URB) stock, which includes the ESA-listed SRW Chinook ESU; and mid-Columbia bright (MCB) hatchery stock. A brief assessment of Columbia River upper river summer Chinook is also included. Management details for Columbia River spring Chinook stocks are not discussed. Council-managed ocean salmon fisheries have very limited impacts on these stocks (less than a 2 percent exploitation rate in base-period fisheries); as a result, mid-Columbia spring stocks were removed from the FMP under Amendment 16 in December 2011. Appendix B, Tables B-12 through B-19, contain historical harvest and escapement data for fall, summer, and spring stocks. Appendix B, Table B-20 summarizes catch information for all three Chinook runs in the Columbia Basin. Additional information on these stocks and in-river fisheries can be found in the *Joint Staff Report: stock status and fisheries for spring Chinook, summer Chinook, sockeye, steelhead, and other species and miscellaneous regulations* and the *Joint Staff Report concerning the fall in-river commercial harvest of Columbia River fall Chinook, summer steelhead, coho salmon, chum salmon, and sturgeon* published annually by the joint staffs of ODFW and WDFW.

Management Objectives

Council-area fisheries north of Cape Falcon in 2011 were managed to access SCH and LRH stocks while meeting the NMFS ESA consultation standards for the ESA-listed LCR Chinook ESU (both LCR natural tules and LRW) and SRW fall Chinook ESU. The standard for ESA-listed LCR natural tules was a total (ocean plus inriver) AEQ exploitation rate of no more than 37.0 percent, a decrease from the ceiling rate of 38.0 percent in 2010. For preseason modeling, the estimated total exploitation rate on a composite of Washougal, Kalama, Cowlitz, and Big Creek hatchery tules was used as a surrogate for LCR natural tules. The NMFS ESA consultation standard for LRW was a North Lewis River fall Chinook spawning escapement of 5,700; the preseason forecast was for an escapement of 10,000. The standard for the SRW ESU was no less than a 30.0 percent reduction in the Snake River Fall Index (SRFI) from the 1988 through 1993 base period AEQ exploitation rate for all ocean fisheries combined.

No specific escapement goal was established for the ESA-threatened Snake River wild fall Chinook stock. However, in the Proposed Recovery Plan for Snake River Salmon, NMFS proposed a delisting goal for Snake River fall Chinook of an eight-year (approximately two generation) geometric mean of at least 2,500 natural origin spawners in the mainstem Snake River annually.

The NMFS ESA consultation standard for the threatened LCR natural tule Chinook was the primary constraint on Council-area Chinook fisheries north of Cape Falcon, and to a lesser extent, south of Cape Falcon.

Regulations to Achieve Objective

Fisheries north of Cape Falcon are managed with quotas to help ensure impacts to stocks do not exceed allowable limits and to ensure allocation objectives are met. In 2011, the strong abundance of URB, Fraser River origin, and other stocks contributing to the southeast Alaska and British Columbia AABM fisheries increased the allowable catch to the next higher harvest rate tier under the 2008 PST Agreement. This increase in harvest rate in northern fisheries coupled with the one percent reduction from 2010 in the exploitation rate ceiling for LCR natural tules were primary reasons that the total allowable catch (TAC) in fisheries north of Cape Falcon were reduced from 2010, even though combined SCH and LRH stock abundance was similar for the two years.

The overall non-Indian Chinook total allowable catch (TAC) was 64,600 including a 4,800 mark selective Chinook quota for a portion of the recreational fishery; the (non-mark-selective equivalent of 61,800). These compare to a 2010 non-Indian TAC of 117,000, including a 12,000 mark selective Chinook quota for a portion of the recreational fishery; the equivalent non-mark-selective TAC was 110,000. The 2011 overall TAC was divided into 30,900 commercial and 33,700 recreational (non-mark selective equivalent of 30,900). The treaty Indian ocean troll TAC was 41,000 Chinook, and is applicable to the May-September period. This compares to a 2010 treaty Indian TAC of 55,000. Season and size limit details are presented in Tables I-1, I-2, and I-3.

Commercial

Non-Indian commercial fisheries north of Cape Falcon included a Chinook directed fishery in May and June initially open seven days per week with no landing limit. Two-thirds of the overall non-Indian commercial Chinook quota north of Cape Falcon was allotted to the May-June time period to increase opportunity when Chinook were more available to the fishery. Inseason action was taken to limit the days per week and institute landing and possession limits toward the end of the season to ensure the quota of 20,600 Chinook was not exceeded.

The non-Indian commercial all-salmon fishery was scheduled for July 1 through September 15 with preseason quotas of 10,300 Chinook and 12,800 marked coho. The fishery was open Friday through Tuesday most weeks with various landing and possession limits for each open period. In addition, vessels were restricted to fishing and landing catch either north or south of Leadbetter Point during any one open period.

Recreational

The recreational fisheries north of Cape Falcon included a June mark-selective Chinook fishery and an all-salmon fishery (mark-selective for coho) during the late June-September time period.

The June mark-selective Chinook fishery opened June 18 through the earlier of the quota of 4,800 marked Chinook or June 25. The fishery ran the full 8 days with a total catch of 2,400 marked Chinook. The summer all-salmon fisheries north of Cape Falcon opened June 26 through the earlier of the coastwide quotas of 30,100 Chinook (modified from a preseason quota of 28,900 Chinook by an impact-neutral rollover from the June mark-selective Chinook fishery) or 67,050 mark-selective coho (modified from a preseason quota of 67,200 coho by an impact-neutral transfer between sub-areas) or the automatic closure date of September 18 north of Leadbetter point and September 30 south of Leadbetter Point. The fishery closed as scheduled on the automatic closure dates with total catches of 28,400 Chinook and 45,600 marked coho.

Treaty Indian

Treaty Indian ocean fisheries were similar in structure to recent years, with a May-June Chinook directed fishery and a July to mid-September all-salmon fishery. Chinook quotas were 19,750 for the May-June fishery, 21,250 for the July-September fishery, and the coho quota in the all-salmon fishery was 42,000. The May-June fishery closed as scheduled without attaining its quota, but the all-salmon fisheries were closed after the first week of September as the Chinook quota was reached.

Inside Harvest

Since the Columbia River Fishery Management Plan expired on December 31, 1998, fall Chinook in Columbia River fisheries were managed through 2007 under the guidance of annual management agreements among the *U.S. v. Oregon* parties. In 2008, a new 10 year management agreement was negotiated through the *U.S. v. Oregon* process, which included revisions to some inriver objectives. In particular, the "*2008-2017 U.S. v Oregon Management Agreement*" (2008-2017 MA) specified that with run sizes of at least 200,000 URB, including at least 6,000 SRW fall Chinook, the allowable URB impact rate would be 38.0 percent. NMFS used the URB impact rate as a proxy in the SRW consultation standard.

In 2011, the fall fisheries were managed to achieve the NMFS ESA consultation standards for threatened LCR natural tule and SRW Chinook, and the 2011 URB and SRW preseason forecast run sizes were both large enough to allow a 38.0 percent harvest rate in inriver fisheries per the 2008-2017 MA.

Within the ESA limitations there were harvestable numbers of salmon available for all major stocks in 2011. The postseason fall Chinook run reconstruction, however, was not completed in time for this report. The preliminary catch estimates (adults) for the non-Indian commercial gillnet fisheries were 17,614 spring, 5,004 summer, and 75,643 fall Chinook, which included 11,855 spring, zero summer, and 25,037 fall Chinook in Select Area (terminal) fisheries. The preliminary catch estimates (adults) for the treaty Indian fisheries were 13,242 spring, 20,645 summer, and 130,039 fall Chinook. The preliminary catch estimate (adults) for the recreational fisheries included 9,603 fall Chinook in the Buoy 10 fishery, and 12,006 spring, 5,576 summer, and 31,624 fall Chinook in mainstem fisheries below Bonneville Dam,

2,379 spring Chinook in mainstem fisheries above Bonneville Dam, and 11,279 fall Chinook in the Hanford Reach fishery above McNary Dam (Appendix B, Table B-20).

Escapement and Management Performance

All Columbia River summer and fall stocks met their escapement objectives (Table II-5). Preliminary estimates of river mouth returns based on inseason run updates were: 80,574 summer, 53,143 LRH; 8,928 LRW; 29,888 SCH; 161,191 URB; and 20,657 MCB. Estimates for SRW were unavailable. The total ocean escapement of the five fall stocks was 635,429 fall Chinook (Figure II-5). The estimated escapement for summer Chinook in 2011 was 44,432, exceeding the MSY spawner escapement objective of 12,143 adults established under FMP Amendment 16. The estimated natural area escapement (Hanford Reach, Yakima River, and above Priest Rapids Dam) for URB Chinook in 2011 was not available, but exceeded the MSY spawner escapement level of 39,625 adults established under FMP Amendment 16.

The preliminary URB harvest rate estimate was 44.4 percent. The total adult SRW, hatchery, and supplementation fall Chinook count at Lower Granite Dam in 2011 was 25,249, down from 41,815 in 2010. Estimates of SRW and supplementation fall Chinook spawning escapement in 2011 were not available. The eight-year mean of SRW natural origin spawners through 2010 was 2,822 fish.

Postseason estimates of exploitation rate on LCR natural tulle or SRW for ocean fisheries were unavailable.

The overall ocean TACs for treaty Indian and non-Indian Chinook fisheries were not exceeded. All Council area fisheries north of Cape Falcon were closed before exceeding their final quotas, except the treaty-Indian all-salmon fishery, which exceeded its all-salmon Chinook quota by 2 percent, although the Chinook directed fishery ended well below its quota.

The geometric mean of Columbia upper river summer Chinook adult escapement in 2009, 2010, and 2011 was 45,296, which exceeded the MSST threshold (6,072); therefore, Columbia upper river summer Chinook should not be considered overfished (Table II-6). Estimates of exploitation rates were not available for 2010 and 2011, but the previous three years' exploitation rates were less than the MFMT (0.75); therefore, Columbia upper river summer Chinook should not be considered subject to overfishing (Table II-6).

The geometric mean of Columbia URB fall Chinook adult escapement in 2008, 2009, and 2010 was 71,731, which exceeded the MSST threshold (19,182); therefore, Columbia URB fall Chinook should not be considered overfished (Table II-6). Estimates of exploitation rates were not available for 2010 and 2011, but the previous three years' exploitation rates were less than the MFMT (0.86); therefore, Columbia URB fall Chinook should not be considered subject to overfishing (Table II-6).

WASHINGTON COASTAL CHINOOK STOCKS

Washington coastal Chinook stocks include all fall, summer, and spring stocks from coastal streams north of the Columbia River through the western Strait of Juan de Fuca (west of the Elwha River, inclusive). This complex consists of several natural stocks, generally of small to medium-sized populations, and some hatchery production (primarily Willapa Bay and Quinalt River). Coastal stocks are not impacted significantly by Council-area ocean fisheries.

Management Objectives

Willapa Bay natural fall Chinook did not have a defined conservation objective in the Salmon FMP during the pre-season process, although WDFW has a spawning escapement objective of 4,350 natural Chinook, which is based on peak density estimates and watershed area. Amendment 16 to the Salmon

FMP, adopted in December 2011, included an MSY spawning escapement objective of 3,393, which was based on the WDFW objective.

Spawning escapement goals for natural stocks managed within this complex north of Willapa Bay, established in U.S. District Court by WDFW and the treaty Indian tribes, were recognized in the Council's FMP conservation objectives. Objectives for Grays Harbor and the North Coast river systems were established pursuant to the U.S. District Court order in *Hoh v. Baldrige*. However, annual natural spawning escapement targets may vary from the FMP conservation objectives if agreed to by WDFW and the treaty Indian tribes under the provisions of *Hoh v. Baldrige* and subsequent U.S. District Court orders. After agreement is reached on the annual targets, ocean fishery escapement objectives are established for each river, or region of origin, which include provisions for treaty Indian allocation and inside non-Indian fishery needs. No agreements on annual spawning targets for Washington coastal Chinook other than those in the FMP were made in 2011.

Regulations to Achieve Objectives

Preseason abundance forecasts for some Washington coastal Chinook stocks were available for the first time in 2008 for the Council preseason management process. Because Council area fishery impacts to Washington coastal Chinook stocks are negligible, ocean regulations are not generally used to manage these stocks. The only Council area regulation affecting any of these stocks was closing the Grays Harbor Control Zone in August and September for the recreational and commercial fisheries. Season and size limit details are presented in Tables I-1, I-2, and I-3.

Willapa Bay Chinook

Inside Harvest

Run size, harvest, and escapement data for Willapa Bay fall Chinook are presented in Appendix B, Table B-23.

No Chinook-directed non-Indian gillnet fishery was conducted during July 2011 but there was a 60-hour Chinook-directed fishery in early August 2011. These fisheries, prior to August 16, are commonly referred to as the "summer dip-in" fishery; they occur irregularly because historically they were dependent on Columbia River tule abundance, which now include the ESA-listed LCR natural tule stock. This fishery was generally assumed to harvest Columbia River tule stocks in a mix similar to adjacent ocean area catches; however, in light of recent catch composition information (>70 percent local Willapa Bay and Grays Harbor origin stock) this assumption has been questioned.

The 2011 pre-season forecast of Chinook returning to Willapa Bay was 36,817 fish (4,341 natural and 32,476 hatchery). There were four 12-hour Chinook-directed non-Indian gillnet fisheries beginning August 29 through September 9. Retention of unmarked Chinook was prohibited. Total Chinook harvest in the non-Indian gillnet fisheries during 2011 was 18,916 fish, based on preliminary data.

Recreational fisheries in the marine waters of Willapa Bay were open from June 18 through July 31, concurrent with the Ocean Marine Area 2 (ocean rules applied). From August 1 through January 31, 2012, Willapa Bay was open to recreational fishing with no more than three adults allowed to be harvested daily. Barbless hooks were required when fishing for salmon. Retention of chum and unmarked Chinook was prohibited.

Recreational salmon fisheries in tributaries to Willapa Bay varied in duration but were generally open August 1, through January 31, 2012. Retention of unmarked Chinook was prohibited. Single-point,

barbless hooks were required in all areas except for the Naselle River. Recreational harvest estimates for 2011 were not available.

Escapement and Management Performance

During 2010, Chinook returning to hatcheries in the Willapa Bay watershed totaled 23,468 fish. Based on current hatchery production, this return was sufficient to achieve the goal of 9,800 total Chinook escapement to Willapa Bay hatchery facilities. An escapement estimate was unavailable for 2011.

An estimate of the 2011 natural spawning escapement was not available; the 2010 natural escapement was 3,395 Chinook, slightly above the FMP objective of 3,393. An estimated 1,912 natural Chinook were harvested in commercial and recreational fisheries in 2011, above the preseason expectation of 850.

The geometric mean of Willapa fall Chinook adult escapement in 2008, 2009, and 2010 was 2,638, which exceeded the MSST threshold (1,696); therefore, Willapa Bay fall Chinook should not be considered overfished (Table II-6). Exploitation rate estimates were not available for 2010 and 2011. Estimates of exploitation rates for all Washington Coast fall Chinook are based on Queets River fall Chinook CWT analyses, and while ocean impacts for these fall stocks may be assumed to be similar, inside impacts may vary substantially. The estimated total exploitation rate for Queets fall Chinook in 2007 was 0.82, which exceeded the MFMT for Willapa Bay fall Chinook (0.78); however in 2008 and 2009 exploitation rates were 0.52 and 0.56; therefore, Willapa Bay fall Chinook should not be considered subject to overfishing (Table II-6). The MFMT for Willapa Bay fall Chinook is also based on a proxy derived from an average value of other Chinook stocks; therefore, overfishing status based on total exploitation rates for Willapa Bay fall Chinook are less certain than for some other Washington Coast Chinook stocks.

Grays Harbor Chinook

Inside Harvest

Run size, harvest, and escapement data for Grays Harbor Chinook are presented in Appendix B, Table B-25.

The Quinault Indian Nation conducted a spring/summer commercial gillnet fishery on the Chehalis River and in Gray Harbor commercial fishing Areas 2A, 2A-1, C, and D in 2011. A mesh restriction was imposed to reduce impacts on spring Chinook while targeting white sturgeon. The non-Indian recreational season and the Chehalis Tribal fisheries were closed in Grays Harbor and the Chehalis River during the spring Chinook management period. No summer non-Indian gillnet fishery directed at non-local Chinook stocks occurred in 2011.

The non-Indian gillnet fishery in Humptulips commercial Area 2-C was open for eight days in mid-August through mid-September, in addition, two 10-hour fisheries were conducted in October. Retention of fall Chinook and marked coho was allowed. Live boxes were required and unmarked coho could not be retained. Catches totaled 1,858 Chinook and 79 coho. The non-Indian gillnet fishery in the Chehalis River commercial Areas 2A and 2D was open for four 10-hour and one 9-hour periods in October; live boxes were required, and Chinook could not be retained.

The recreational fishery in Marine Area 2-2 was open from September 16 through November 30, with Chinook and chum retention prohibited. The recreational fishery in the Chehalis River was closed to Chinook retention. In the recreational Humptulips River fishery from the mouth to confluence of the East and West forks, a daily limit of 2 adults, of which only one could be a Chinook, was allowed from September 16 through January 31. Recreational harvest estimates were not available.

The Quinault Indian Nation fall gillnet fishery harvested a total of 6,402 fall Chinook in two separately scheduled areas: the first in the lower Humptulips River and adjacent Area 2C of Grays Harbor and the second in the lower Chehalis River and adjacent areas of Grays Harbor, Areas 2D, 2A, and 2A-1. Fishing was restricted to east of Stearns Bluff in the Chehalis River, and Areas 2D, 2A, and 2A-1 to limit catches of Chinook, which tend to concentrate in deep areas off the mouths of the Johns and Elk rivers. The Chehalis area treaty Indian fishery caught 5,104 Chinook, which was higher than expected, whereas the Humptulips area treaty Indian fishery catch was 1,298 Chinook, which was less than expected; the combined Grays Harbor treaty Indian Chinook catch was higher than expected.

Escapement and Management Performance

Chehalis River spring Chinook are of natural origin and managed for an escapement goal of 1,400 adults. The 2011 terminal run forecast for spring Chinook was 1,844 adult fish. A preliminary escapement of 2,563 was estimated for the 2011 return.

The geometric mean of Grays Harbor spring Chinook spawner escapement in 2008, 2009, and 2010 was 1,579, which exceeded the MSST threshold (546); therefore, Grays Harbor spring Chinook should not be considered overfished (Table II-6). Estimates of exploitation rates were not available for Washington coastal spring/summer Chinook stocks, but based on the limited inriver harvest rate and ocean harvest rates of Queets fall Chinook, it is unlikely that Grays Harbor spring Chinook were subject to overfishing in recent years (Table II-6).

Grays Harbor fall Chinook were managed for a natural spawning escapement goal of 14,600 adults. The 2011 Grays Harbor fall Chinook forecast was 23,275 natural and 3,914 hatchery adults; however, no natural spawning escapement estimate for 2011 was available. The 2010 spawning ground escapement estimate was 16,950, which included some hatchery origin fish. The return of hatchery-origin fall Chinook to Grays Harbor hatchery programs were sufficient to provide for 2012 fall Chinook production goals.

The geometric mean of Grays Harbor fall Chinook adult spawning escapement in 2008, 2009, and 2010 was 11,840, which exceeded the MSST threshold (5,694); therefore, Grays Harbor fall Chinook should not be considered overfished (Table II-6). Estimates of exploitation rates were not available for Grays Harbor fall Chinook, but Queets River fall Chinook were used as a proxy. Exploitation rate estimates were not available for 2010 and 2011, but earlier estimates were below the MFMT (0.78); therefore, Grays Harbor fall Chinook should not be considered subject to overfishing (Table II-6).

Quinault River Chinook

Inside Harvest

Historical terminal gillnet harvest data for Quinault River Chinook stocks are presented in Appendix B, Table B-27.

A run of natural spawning spring/summer Chinook enters the river from April through July. The spring/summer Chinook run is typically small and any harvest is taken incidentally during fisheries directed at sockeye and steelhead. The tribal fishery harvested 29 spring/summer Chinook in 2011 primarily during its sockeye directed fishery.

The 2011 harvest of Quinault River fall Chinook was mostly hatchery origin fish taken in September and October. The treaty Indian net catch totaled 5,998 fall Chinook.

Escapement and Management Performance

Quinault fall Chinook were managed for hatchery production. The 2011 fall Chinook spawning escapement estimate was not available. Hatchery fall Chinook egg-take goals for the Quinault River were attained at the Lake Quinault tribal hatchery.

Queets River Chinook

Inside Harvest

Historical terminal run size, catch, and escapement data for Queets River spring/summer and fall Chinook are presented in Appendix B, Tables B-29 and B-30, respectively.

The 2011 treaty Indian gillnet harvest of spring/summer Chinook remained closed during the spring/summer period through the last week of August. The non-Indian in-river recreational fishery was closed to retention of Chinook.

Fall Chinook were harvested from August 29 through November 4 in the treaty Indian fall gillnet fishery. The treaty Indian fishery was structured to target hatchery and natural coho while also harvesting Chinook at a total tribal plus non-tribal harvest rate of 40 percent. The treaty Indian gillnet fishery harvested 2,327 fall Chinook in the commercial fishery compared to a preseason expected catch of 1,733. The estimate of Chinook harvested in the treaty Ceremonial and Subsistence fishery was not available. Recreational fisheries targeted coho and Chinook during standard September 1 through November 30 schedules in the Queets and Clearwater Rivers. The on-reservation Salmon River recreational harvest was limited to retention of coho. Only coho and mark-selective Chinook retention was allowed for recreational fisheries within Olympic National Park waters (Queets mainstem upstream of the Quinault Indian Reservation, and lower section of the Salmon River). Catch estimates for 2011 recreational salmon fisheries were not available.

Escapement and Management Performance

The 2010 spawning escapement estimate for Queets River spring/summer Chinook was 259 adults, about 37 percent of the MSY spawner escapement goal of 700. The 2011 spawning escapement estimate was not available.

The geometric mean of Queets River spring/summer Chinook adult spawning escapement in 2008, 2009, and 2010 was 339, which is below the MSST threshold (350); therefore, Queets River spring/summer Chinook should be considered overfished (Table II-6). Estimates of exploitation rates were not available for Washington coastal spring/summer Chinook stocks, but based on the limited inriver harvest rate and ocean harvest rates of Queets fall Chinook, it is unlikely that Queets River spring/summer Chinook were subject to overfishing in recent years (Table II-6).

The 2010 Queets River fall Chinook spawning escapement was 4,022. An estimate for 2011 was not available; however, initial observations indicate total fall Chinook escapement (including naturally spawning wild and indicator hatchery Chinook) in 2011 will meet the minimum escapement goal of 2,500. The indicator Chinook originate from wild broodstock taken each year in the river.

The geometric mean of Queets River fall Chinook adult spawning escapement in 2008, 2009, and 2010 was 3,377, which exceeded the MSST threshold (1,250); therefore, Queets River fall Chinook should not be considered overfished (Table II-6). More recent estimates were not available. Estimates of exploitation rates were not available for 2010 and 2011, but estimates from 2007, 2008, and 2009 were below the MFMT (0.87); therefore, Queets River fall Chinook should not be considered subject to overfishing (Table II-6).

Hoh River Chinook

Inside Harvest

Historical terminal run size, catch, and escapement data for Hoh River spring/summer and fall Chinook are presented in Appendix B, Tables B-32 and B-33, respectively.

The 2011 Hoh River spring/summer Chinook terminal abundance forecast was 1,037 fish, 137 fish above the escapement goal of 900. The treaty Indian gillnet fishery occurred between the weeks of May 2 and the July 11, and was scheduled for two days per week in weeks 19-23 and one day per week in weeks 24-29, targeting 6.7 percent (including ceremonial and subsistence catch) of the forecasted run. Tribal regulation in 2011 required a minimum of 8 inch stretch mesh during the first four weeks in order to minimize incidental take of steelhead kelts. The treaty Indian gillnet fishery harvested 76 Chinook. Results of mark sampling and scales indicated that 25 of these were of hatchery origin (51 natural). The non-Indian recreational fishery operated from May 16 through August 31, Wednesdays through Sundays, with a bag limit of one marked adult per day from the mouth to Willoughby Creek. A preliminary estimate of Chinook taken in the sport fishery was not available. Retention of un-marked fish was not allowed this year.

Hoh River fisheries for fall Chinook were based on an expected terminal run size of 2,880 adults, allowing for a terminal harvest rate of 40 percent. The spawning escapement was expected to be 1,936 adults.

The treaty Indian fishery targeted 21.4 percent of the terminal run. The treaty Indian gillnet fishery was scheduled for two days per week during weeks 36, 37, 42 and 52, and three days per week in weeks 38-41, and 43-51. The treaty Indian fishery caught approximately 528 Chinook out of an expected catch of 617. Results of mark sampling indicated that all 528 of these were of natural origin. CWT data were not available.

The non-Indian recreational fishery extended from September 1 through November 30, with the river below Willoughby Creek open and a daily-bag-limit of six salmon, two of which could be adults. The portion of the river between Willoughby Creek and Morgan's Crossing was open October 16 through November 30. The delayed opening was to reduce impacts on spawning spring/summer Chinook in that reach. The river above Morgan's Crossing was closed to recreational salmon fishing. A catch estimate was not available for the recreational fishery.

Escapement and Management Performance

The 2011 spawning escapement for Hoh River spring/summer Chinook was not available. The geometric mean of Hoh River spring/summer Chinook spawner escapement in 2008, 2009, and 2010 was 788, which exceeded the MSST threshold (450); therefore, Hoh River summer Chinook should not be considered overfished (Table II-6). Estimates of exploitation rates were not available for Washington coastal spring/summer Chinook stocks, but based on the limited inriver harvest rate and ocean harvest rates of Queets fall Chinook, it is unlikely that Hoh River spring/summer Chinook were subject to overfishing in recent years (Table II-6).

The preliminary 2011 spawning escapement estimate for Hoh River fall Chinook was not available. The geometric mean of Hoh River fall Chinook adult spawning escapement in 2008, 2009, and 2010 was 2,531, which exceeded the MSST threshold (600); therefore, Hoh River fall Chinook should not be considered overfished (Table II-6). Estimates of exploitation rates were not available for Hoh River fall Chinook, but Queets River fall Chinook were used as a proxy. Exploitation rate estimates were not

available for 2010 and 2011, but earlier estimates were below the MFMT (0.90); therefore, Hoh River fall Chinook should not be considered subject to overfishing (Table II-6).

Quillayute River Chinook

Inside Harvest

Historical terminal run size, catch, and escapement data for Quillayute River spring, summer, and fall Chinook are presented in Appendix B, Tables B-35 and B-36 respectively. Spring and summer Chinook are currently managed separately, but data for both are combined in Table B-35. All hatchery origin fish are considered to be spring Chinook, and all natural spawners and tribal broodstock collections are considered to be summer Chinook. The management of these stocks is currently under review by the WDFW and Quileute Tribal co-managers.

The recreational and tribal fisheries for spring and summer Chinook were established by a preseason management agreement between WDFW and the Quileute Tribe. The total tribal catch for 2011 was 404 spring and 191 summer Chinook plus 26 spring and 15 summer Chinook for ceremonial and subsistence use. Estimates of 2011 recreational spring and summer Chinook harvest were unavailable.

The total 2011 Quileute Tribal harvest of fall Chinook was 1,972, plus 3 uncounted for ceremonial and subsistence use. An estimate of the 2011 recreational catch was unavailable.

As in past years, WDFW required release of unmarked Chinook during July and August to reduce impacts of the recreational fishery on the natural summer Chinook stock. The fall recreational fishery from September through November proceeded with normal bag limits and schedule. The Quileute Tribe did not have a closure in their fishery this year, but as in past years, reduced their fishery to 29 hours per week during July and August to reduce impacts to summer Chinook.

Escapement and Management Performance

The 2011 management agreement called for an escapement goal of 200 hatchery spring Chinook. The actual rack return was 696, which exceeded hatchery requirements.

The summer Chinook run was managed to achieve an MSY spawner escapement of 1,200 adults, jacks, and broodstock collection combined. The preliminary estimated natural spawning summer Chinook escapement of 600 was under the escapement goal.

The geometric mean of Quillayute River summer Chinook spawner escapement in 2009, 2010, and 2011 was 717, which exceeded the MSST threshold (600); therefore, Quillayute River summer Chinook should not be considered overfished (Table II-6). Estimates of exploitation rates were not available for Washington coastal spring/summer Chinook stocks, but based on the limited inriver harvest rate and ocean harvest rates of Queets fall Chinook, it is unlikely that Quillayute River summer Chinook were subject to overfishing in recent years (Table II-6).

Terminal area fisheries on fall Chinook were managed for a target 40 percent harvest rate, and an MSY spawner escapement goal of 3,000 adults. The preliminary escapement estimate of 3,993 fall Chinook was above the escapement goal.

The geometric mean of Quillayute River fall Chinook adult spawning escapement in 2009, 2010, and 2011 was 4,066, which exceeded the MSST threshold (1,500); therefore, Quillayute River fall Chinook should not be considered overfished (Table II-6). Estimates of exploitation rates were not available for Quillayute fall Chinook, but Queets River fall Chinook were used as a proxy. Exploitation rate estimates

were not available for 2010 and 2011, but earlier estimates were below the MFMT (0.87); therefore, Quillayute River fall Chinook should not be considered subject to overfishing (Table II-6).

Hoko River Chinook

Inside Harvest

Hoko River Chinook are primarily harvested in fisheries in southeast Alaska and northern British Columbia with minimal harvest in Council area and inside waters. Tribal and recreational fisheries in the Hoko River for Chinook salmon have not occurred since the early 1980's although some catch is occasionally reported by anglers on WDFW Catch Record Cards.

Escapement and Management Performance

The preliminary escapement estimate of 1,504 Chinook was above the MSY spawner escapement goal of 850 and included 423 from the supplementation program (Appendix B, Table B-38).

The geometric mean of Hoko River summer/fall Chinook spawner escapement in 2009, 2010, and 2011 was 764, which exceeded the MSST threshold (425); therefore, Hoko River summer/fall Chinook should not be considered overfished (Table II-6). Estimates of exploitation rates were not available for 2010 and 2011, but estimates from 2007, 2008, and 2009 were well below the MFMT (0.78); therefore, Hoko River summer/fall Chinook should not be considered subject to overfishing (Table II-6).

PUGET SOUND CHINOOK STOCKS

Puget Sound Chinook stocks include all fall, summer, and spring stocks originating from U.S. tributaries in Puget Sound and the eastern Strait of Juan de Fuca (east of Salt Creek, inclusive). This stock complex consists of numerous natural Chinook stocks of small to medium sized populations and significant hatchery production. The Puget Sound ESU was listed under the ESA as threatened in March 1999.

Management Objectives

The stocks within this complex and their respective FMP conservation objectives were established in U.S. District Court by WDFW and the treaty Indian tribes. The conservation objectives for stocks managed primarily for natural production were developed by a State/Tribal Management Plan Development Team following the Boldt Decision, and were based on "the adult spawning population that will, on the average, maximize biomass of juvenile outmigrants subsequent to incubation and freshwater rearing under average environmental conditions." The objectives were estimated for the average spawning escapement during periods thought to represent spawner abundances that provided maximum production. The objectives for stocks managed for artificial production are based on hatchery escapement needs. Annual management targets (expected hatchery returns plus natural escapement) for specific rivers or regions of origin may vary from the FMP conservation objectives by following fixed procedures established in U.S. District Court as outlined in "Memorandum Adopting Salmon Management Plan" (*U.S. versus Washington*, 626 F. Supp. 1405 [1985]).

Puget Sound Chinook stocks are listed under the ESA and were managed pursuant to the provisions of a WDFW/Tribal management plan approved under an ESA Section 4(d) rule promulgated by NMFS. This plan contains exploitation rate ceilings for ESA-listed Puget Sound stocks expressed in terms of constraints on total fishery rebuilding exploitation rates (RER) or of exploitation rates on fisheries south of the Canadian border for those stocks without RERs. The Council's annual management objectives for ESA listed stocks are to meet the ESA consultation standards set forth by NMFS.

Regulations to Achieve Objectives

Puget Sound stocks contribute to fisheries off B.C., are present to a lesser degree off SEAK, and are impacted to a minor degree by Council-area ocean fisheries. Because Council area fishery impacts to Puget Sound Chinook stocks are negligible, ocean regulations are not generally used to manage these stocks. The only Council area regulation affecting any of these stocks was closing the Cape Flattery Control Zone for the non-Indian commercial troll fishery. Season and size limit details are presented in Tables I-1, I-2, and I-3.

Inside Harvest

Commercial inside fishery harvest of Puget Sound Chinook was managed on the basis of six regional stock management units or, in some cases, component stocks within management units: Strait of Juan de Fuca, Nooksack-Samish, Skagit, Stillaguamish-Snohomish, South Puget Sound, and Hood Canal. Harvest was regulated according to the natural spawning escapement goal or hatchery program escapement goal for that unit. Commercial net and troll harvest (treaty Indian and non-Indian) is presented in Appendix B, Table B-39. These catches included some fish of non-Puget Sound origin. The total commercial harvest in Puget Sound in 2011 was 110,612 Chinook, compared to 95,804 Chinook caught in 2010. The 2011 non-Indian net catch was 10,097 Chinook, compared to 7,922 Chinook caught in 2010. The 2011 treaty Indian net and troll harvest was 100,515 Chinook, compared to 87,882 Chinook caught in 2010.

Chinook catches in the Puget Sound recreational fishery for years beginning in 1971 are presented in Appendix B, Table B-40. Catch estimates for the 2011 Puget Sound recreational fishery were unavailable.

Escapement and Management Performance

Puget Sound Chinook management goals for fishery planning processes in 2011 were compared to predicted exploitation rates to assess compliance with ESA consultation standards (Table II-5). Information to evaluate performance against these constraints was unavailable.

Historical hatchery and natural run component escapements and net catches for summer/fall Chinook for each Puget Sound region of origin are presented in Appendix B, Table B-40. Historical spring Chinook escapement data are presented in Appendix B, Table B-43.

Preliminary data suggest most Puget Sound hatcheries met their summer/fall Chinook goals.

Naturally spawning Puget Sound spring and summer/fall Chinook remained depressed in 2011. Preliminary data suggest no Puget Sound spring Chinook natural stocks met their escapement goals. Preliminary information on 2011 natural spawning escapements for summer/fall Chinook stocks indicate escapement goals were met in some areas, but not in many others. Escapement estimates for 2011 were not available for most runs. In many natural spawning areas, hatchery-origin Chinook comprise a large component of the natural spawning population.

COASTWIDE GOAL ASSESSMENT SUMMARY

FMP Conservation objectives for Council managed Chinook stocks in effect during the preseason planning process of 2011 were met for stocks with available estimates except for Sacramento River fall Chinook and Quillayute summer Chinook (Table II-5). Information to assess compliance with FMP conservation objectives and ESA consultation standards in 2011 was unavailable for LCR natural tule Chinook, SRW fall Chinook, California Coastal Chinook, Willapa Bay, Grays Harbor, Queets River, Hoh River, and all Puget Sound natural Chinook stocks. In 2010, Queets spring/summer and Hoh spring/summer Chinook also failed to achieve their MSY spawning escapement objectives.

Stock Status Determinations

In 2011 the Council adopted new SDC for overfishing, overfished, not overfished/rebuilding, and rebuilt under FMP Amendment 16. These criteria, approved and implemented in December 2011, were:

- Overfishing occurs when a single year exploitation rate exceeds the MFMT (F_{MSY});
- Overfished status occurs when the most recent 3-year geometric mean spawning escapement is less than the MSST;
- Not overfished/rebuilding status occurs when a stock has been classified as overfished and has not yet been rebuilt, and the most recent 3-year geometric mean spawning escapement is greater than the MSST but less than S_{MSY} ;
- A stock is rebuilt when the most recent 3-year geometric mean spawning escapement exceeds S_{MSY} .

All criteria rely on the most recent estimates available, which in some cases may be a year or more in the past because of incomplete broods or data availability. The above criteria for rebuilt status are the default criteria provided in the FMP; however, alternative criteria may be developed through a rebuilding plan if warranted by stock specific circumstances. While the Amendment 16 SDC may not have been in place for all stocks during the preseason process, all relevant stocks were evaluated relative to these new SDC as required by the FMP. Stock specific reference points and recent year estimates for relevant stocks are presented in Table II-6.

All relevant Chinook stocks that were assessed for compliance with SDC were not overfished except SRFC and Queets spring/summer Chinook, and no stocks were subject to overfishing. Exploitation rates estimates were not made for most Washington Coast stocks, but overfishing was considered unlikely based on estimated exploitation rates for Queets River fall Chinook (Table II-6).

TABLE II-1. Sacramento River natural and hatchery adult fall Chinook escapement in numbers of fish.

| Year | Upper River ^{a/} | | | Lower River | | | Total | | Grand Total |
|--------------------|---------------------------|-----------------------|----------|-------------|-----------------------|----------|----------|-----------------------|-----------------|
| | Hatchery | Natural ^{b/} | Subtotal | Hatchery | Natural ^{b/} | Subtotal | Hatchery | Natural ^{b/} | |
| 1970 | 3,010 | 61,160 | 64,170 | 10,266 | 82,230 | 92,496 | 13,275 | 143,390 | 156,666 |
| 1971 | 1,728 | 67,586 | 69,314 | 11,011 | 74,556 | 85,567 | 12,739 | 142,143 | 154,882 |
| 1972 | 1,259 | 36,485 | 37,744 | 6,766 | 47,647 | 54,413 | 8,025 | 84,132 | 92,157 |
| 1973 | 1,679 | 48,948 | 50,627 | 18,010 | 151,422 | 169,433 | 19,689 | 200,371 | 220,060 |
| 1974 | 1,984 | 66,304 | 68,288 | 11,799 | 121,930 | 133,729 | 13,783 | 188,234 | 202,017 |
| 1975 | 3,289 | 72,986 | 76,275 | 10,781 | 68,564 | 79,346 | 14,071 | 141,550 | 155,621 |
| 1976 | 3,017 | 80,263 | 83,280 | 8,612 | 75,975 | 84,586 | 11,628 | 156,238 | 167,866 |
| 1977 | 6,083 | 60,967 | 67,050 | 14,896 | 82,065 | 96,961 | 20,978 | 143,032 | 164,011 |
| 1978 | 2,717 | 66,991 | 69,708 | 9,937 | 47,303 | 57,240 | 12,654 | 114,295 | 126,948 |
| 1979 | 6,407 | 81,332 | 87,739 | 12,359 | 72,299 | 84,658 | 18,766 | 153,632 | 172,398 |
| 1980 | 10,271 | 45,504 | 55,775 | 14,725 | 71,608 | 86,333 | 24,996 | 117,113 | 142,108 |
| 1981 | 5,883 | 51,831 | 57,714 | 25,115 | 92,129 | 117,245 | 30,998 | 143,960 | 174,958 |
| 1982 | 17,117 | 39,694 | 56,811 | 15,229 | 92,600 | 107,829 | 32,347 | 132,293 | 164,640 |
| 1983 | 6,112 | 42,570 | 48,682 | 12,735 | 48,831 | 61,566 | 18,847 | 91,401 | 110,248 |
| 1984 | 19,594 | 51,772 | 71,366 | 19,873 | 67,733 | 87,607 | 39,467 | 119,505 | 158,972 |
| 1985 | 15,869 | 103,698 | 119,566 | 13,987 | 105,753 | 119,740 | 29,856 | 209,450 | 239,306 |
| 1986 | 11,283 | 113,875 | 125,158 | 12,511 | 102,434 | 114,945 | 23,793 | 216,310 | 240,103 |
| 1987 | 9,981 | 76,861 | 86,842 | 10,291 | 97,930 | 108,222 | 20,273 | 174,791 | 195,063 |
| 1988 | 12,594 | 128,725 | 141,319 | 16,921 | 69,228 | 86,149 | 29,515 | 197,953 | 227,468 |
| 1989 | 10,212 | 67,296 | 77,508 | 15,668 | 59,387 | 75,055 | 25,880 | 126,683 | 152,563 |
| 1990 | 13,464 | 50,225 | 63,689 | 8,428 | 32,973 | 41,401 | 21,892 | 83,198 | 105,090 |
| 1991 | 10,031 | 35,259 | 45,290 | 17,435 | 56,144 | 73,579 | 27,466 | 91,403 | 118,869 |
| 1992 | 6,257 | 31,734 | 37,991 | 15,831 | 27,723 | 43,554 | 22,088 | 59,457 | 81,545 |
| 1993 | 7,056 | 55,144 | 62,200 | 19,778 | 55,412 | 75,190 | 26,834 | 110,556 | 137,390 |
| 1994 | 11,585 | 66,383 | 77,968 | 20,972 | 66,647 | 87,619 | 32,556 | 133,030 | 165,586 |
| 1995 | 24,810 | 112,235 | 137,045 | 17,017 | 141,252 | 158,269 | 41,827 | 253,487 | 295,314 |
| 1996 | 18,848 | 131,268 | 150,116 | 15,712 | 135,803 | 151,516 | 34,561 | 267,071 | 301,632 |
| 1997 | 44,590 | 167,353 | 211,943 | 20,651 | 112,246 | 132,897 | 65,241 | 279,599 | 344,840 |
| 1998 | 42,400 | 60,713 | 103,113 | 35,364 | 107,431 | 142,795 | 77,763 | 168,144 | 245,908 |
| 1999 | 23,194 | 256,629 | 279,823 | 22,917 | 97,089 | 120,006 | 46,112 | 353,718 | 399,830 |
| 2000 | 20,793 | 152,923 | 173,716 | 27,530 | 216,291 | 243,821 | 48,323 | 369,214 | 417,537 |
| 2001 | 23,710 | 179,198 | 202,908 | 35,650 | 358,217 | 393,867 | 59,360 | 537,415 | 596,775 |
| 2002 | 61,895 | 474,812 ^{c/} | 536,707 | 25,278 | 207,883 | 233,161 | 87,173 | 682,695 | 769,868 |
| 2003 | 82,882 | 164,802 | 247,684 | 26,696 | 248,636 | 275,332 | 109,578 | 413,438 | 523,016 |
| 2004 | 52,145 | 70,548 | 122,693 | 31,262 | 132,930 | 164,192 | 83,407 | 203,478 | 286,885 |
| 2005 | 139,979 | 96,716 | 236,695 | 45,320 | 113,990 | 159,310 | 185,299 | 210,706 | 396,005 |
| 2006 | 56,819 | 89,933 | 146,752 | 23,087 | 105,191 | 128,278 | 79,906 | 195,124 | 275,030 |
| 2007 | 11,543 | 36,079 | 47,622 | 9,833 | 33,919 | 43,752 | 21,376 | 69,998 | 91,374 |
| 2008 | 10,181 | 36,274 | 46,455 | 8,331 | 10,578 | 18,909 | 18,512 | 46,852 | 65,364 |
| 2009 | 5,433 | 12,277 | 17,710 | 12,103 | 11,060 | 23,163 | 17,536 | 23,337 | 40,873 |
| 2010 | 8,666 | 25,682 | 34,348 | 31,036 | 58,886 | 89,922 | 39,702 | 84,568 | 124,270 |
| 2011 ^{d/} | 19,312 | 20,466 | 39,778 | 23,559 | 58,405 | 81,964 | 42,871 | 78,871 | 121,742 |
| Goal | | | | | | | | | 122,000-180,000 |

a/ Above the Feather River; 1971-1985 estimates include Tehama-Colusa Spawning Channel.

b/ Fish spawning in natural areas are the result of hatchery and natural production; estimates generally based on carcass surveys.

c/ Estimation methodology was changed due to an extremely high Battle Creek escapement in 2002.

d/ Preliminary.

TABLE II-2. Klamath River adult inriver fall Chinook run size, spawning escapement, recreational catch, Indian gillnet harvest, and non-landed fishing mortalities in numbers of fish and percent of the total inriver run size.

| Year | Spawning Escapement | | | | Inriver Recreational Catch | | Indian Net Catch | | Non-landed Fishing Mortality | | Inriver Run Size |
|--------------------|-----------------------|---------|---------|---------|-------------------------------|---------|------------------|---------|---------------------------------|---------|-----------------------|
| | Hatchery | Natural | Total | Percent | Numbers | Percent | Numbers | Percent | Numbers | Percent | Numbers |
| 1981 | 4,425 | 33,857 | 38,282 | 48% | 5,983 | 7% | 33,033 | 41% | 2,994 | 4% | 80,292 |
| 1982 | 10,411 | 31,951 | 42,362 | 64% | 8,339 | 13% | 14,482 | 22% | 1,429 | 2% | 66,612 |
| 1983 | 13,865 | 30,784 | 44,649 | 78% | 4,235 | 7% | 7,890 | 14% | 772 | 1% | 57,546 |
| 1984 | 7,496 | 16,064 | 23,560 | 50% | 3,340 | 7% | 18,670 | 40% | 1,691 | 4% | 47,261 |
| 1985 | 22,534 | 25,677 | 48,211 | 75% | 3,582 | 6% | 11,566 | 18% | 1,079 | 2% | 64,438 |
| 1986 | 32,891 | 113,360 | 146,251 | 75% | 21,027 | 11% | 25,127 | 13% | 2,614 | 1% | 195,019 |
| 1987 | 29,123 | 101,717 | 130,840 | 63% | 20,169 | 10% | 53,096 | 25% | 5,029 | 2% | 209,134 |
| 1988 | 33,458 | 79,386 | 112,844 | 59% | 22,203 | 12% | 51,651 | 27% | 4,944 | 3% | 191,642 |
| 1989 | 21,991 | 43,868 | 65,859 | 53% | 8,775 | 7% | 45,565 | 37% | 4,141 | 3% | 124,340 |
| 1990 | 8,067 | 15,596 | 23,663 | 66% | 3,553 | 10% | 7,906 | 22% | 760 | 2% | 35,882 |
| 1991 | 6,484 | 11,649 | 18,133 | 56% | 3,383 | 10% | 10,198 | 31% | 956 | 3% | 32,670 |
| 1992 | 7,360 | 12,028 | 19,388 | 73% | 1,002 | 4% | 5,785 | 22% | 523 | 2% | 26,698 |
| 1993 | 21,643 | 21,858 | 43,501 | 76% | 3,172 | 6% | 9,636 | 17% | 903 | 2% | 57,212 |
| 1994 | 17,072 | 32,333 | 49,405 | 77% | 1,832 | 3% | 11,692 | 18% | 1,054 | 2% | 63,983 |
| 1995 | 37,859 | 161,794 | 199,653 | 90% | 6,081 | 3% | 15,557 | 7% | 1,477 | 1% | 222,768 |
| 1996 | 20,033 | 81,326 | 101,359 | 58% | 12,766 | 7% | 56,476 | 32% | 5,172 | 3% | 175,773 |
| 1997 | 18,662 | 46,144 | 64,806 | 77% | 5,676 | 7% | 12,087 | 14% | 1,167 | 1% | 83,736 |
| 1998 | 29,219 | 42,488 | 71,707 | 79% | 7,710 | 9% | 10,187 | 11% | 1,043 | 1% | 90,647 |
| 1999 | 14,327 | 18,457 | 32,784 | 64% | 2,282 | 4% | 14,660 | 29% | 1,322 | 3% | 51,048 |
| 2000 | 97,611 | 82,728 | 180,339 | 83% | 5,650 | 3% | 29,415 | 13% | 2,673 | 1% | 218,077 |
| 2001 | 55,112 | 77,834 | 132,946 | 71% | 12,134 | 6% | 38,645 | 21% | 3,608 | 2% | 187,333 |
| 2002 | 27,183 | 65,635 | 92,818 | 58% | 10,495 | 7% | 24,574 | 15% | 2,351 | 1% | 160,788 ^{a/} |
| 2003 | 61,782 | 87,642 | 149,424 | 78% | 9,680 | 5% | 30,034 | 16% | 2,810 | 1% | 191,948 |
| 2004 | 22,982 | 23,831 | 46,813 | 59% | 4,003 | 5% | 25,803 | 33% | 2,325 | 3% | 78,944 |
| 2005 | 27,699 | 26,789 | 54,488 | 84% | 1,985 | 3% | 8,016 | 12% | 738 | 1% | 65,227 |
| 2006 | 19,522 | 30,163 | 49,685 | 81% | 62 | 0% | 10,283 | 17% | 1,344 | 2% | 61,374 |
| 2007 | 35,050 | 60,670 | 95,720 | 72% | 6,312 | 5% | 27,573 | 21% | 2,526 | 2% | 132,131 |
| 2008 | 13,552 | 30,850 | 44,402 | 48% | 1,919 | 2% | 22,259 | 24% | 24,178 | 26% | 92,758 |
| 2009 | 19,614 | 44,409 | 64,023 | 64% | 5,651 | 6% | 28,387 | 28% | 2,583 | 3% | 100,644 |
| 2010 | 18,052 | 37,225 | 55,277 | 61% | 3,035 | 3% | 29,887 | 33% | 2,661 | 3% | 90,860 |
| 2011 ^{b/} | 22,336 | 47,755 | 70,091 | 68% | 4,164 | 4% | 26,371 | 26% | 2,379 | 2% | 103,005 |
| Goal | ≥40,700 ^{c/} | | | | | | | | | | |

a/ Inriver run size includes a USFWS estimate of 30,550 fish (19% of the run) that died prior to spawning in September 2002.

b/ Preliminary.

c/ In December 2011, Amendment 16 to the Salmon Fishery Management Plan was approved, which replaced the 35,000 spawning escapement floor with an S_{MSY} management objective of 40,700 natural area adult spawners. The 35,000 spawner floor was in effect from 1989-2007 and in 2011. In 2008-2010, fisheries were managed for a natural area spawning escapement of 40,700 adults under requirements of a rebuilding plan.

TABLE II-3. Oregon coastal spring and fall Chinook hatchery return and harvest in estuary and freshwater fisheries.

| Year | Return to Facilities | | | Estuary and Freshwater Harvest ^{b/} | |
|-----------------------------|-------------------------------|------|---------|--|------|
| | Public Hatchery ^{a/} | | Private | Spring | Fall |
| | Spring | Fall | All | | |
| THOUSANDS OF CHINOOK | | | | | |
| 1976 | 2.9 | 0.5 | - | 13.5 | 24.3 |
| 1977 | 2.4 | 4.2 | - | 13.8 | 35.6 |
| 1978 | 4.4 | 1.6 | - | 13.1 | 42.7 |
| 1979 | 7.0 | 2.0 | 0.4 | 16.4 | 30.8 |
| 1980 | 7.9 | 1.8 | 3.4 | 11.9 | 22.1 |
| 1981 | 2.5 | 1.8 | 5.1 | 11.2 | 29.6 |
| 1982 | 4.1 | 2.3 | 12.1 | 11.6 | 24.7 |
| 1983 | 3.9 | 4.0 | 6.1 | 4.9 | 21.1 |
| 1984 | 5.6 | 3.3 | 6.3 | 4.1 | 29.0 |
| 1985 | 8.7 | 3.5 | 34.6 | 9.0 | 29.5 |
| 1986 | 30.6 | 5.8 | 70.8 | 17.3 | 36.5 |
| 1987 | 22.8 | 7.1 | 38.7 | 20.2 | 54.8 |
| 1988 | 22.0 | 6.4 | 25.0 | 28.9 | 61.4 |
| 1989 | 32.7 | 4.3 | 14.7 | 23.7 | 53.9 |
| 1990 | 6.3 | 3.4 | 7.8 | 15.5 | 39.9 |
| 1991 | 5.4 | 3.1 | 4.1 | 11.1 | 47.7 |
| 1992 | 2.7 | 4.4 | - | 8.0 | 44.7 |
| 1993 | 10.6 | 2.8 | - | 16.4 | 54.7 |
| 1994 | 4.8 | 3.0 | - | 9.2 | 46.7 |
| 1995 | 55.0 | 3.3 | - | 31.1 | 54.3 |
| 1996 | 26.7 | 3.6 | - | 25.6 | 51.0 |
| 1997 | 29.1 | 2.0 | - | 14.7 | 37.0 |
| 1998 | 11.0 | 2.6 | - | 8.2 | 31.5 |
| 1999 | 18.1 | 3.3 | - | 8.2 | 29.3 |
| 2000 | 24.5 | 3.1 | - | 11.4 | 37.4 |
| 2001 | 26.8 | 5.7 | - | 18.6 | 53.3 |
| 2002 | 24.7 | 2.9 | - | 30.9 | 58.8 |
| 2003 | 17.2 | 3.9 | - | 33.1 | 72.3 |
| 2004 | 20.1 | 2.9 | - | 19.4 | 78.4 |
| 2005 | 11.7 | 2.6 | - | 14.6 | 51.6 |
| 2006 | 7.5 | 2.7 | - | 7.1 | 47.7 |
| 2007 | 6.3 | 2.1 | - | 5.7 | 29.0 |
| 2008 | 6.1 | 2.7 | - | 6.9 | 21.9 |
| 2009 | 7.2 | 4.2 | - | 10.9 | 30.9 |
| 2010 | 10.9 | 5.0 | - | 18.0 | 54.5 |
| 2011 ^{c/} | 7.7 | 2.7 | - | NA | NA |

a/ Adults only.

b/ Freshwater harvests are derived from ODFW salmon/steelhead angler catch record card information and represent fish larger than 24 inches (i.e., adults). Includes both hatchery and natural fish.

c/ Preliminary.

TABLE II-4. Spawner indices for naturally produced Oregon coastal fall Chinook and south migrating/localized spring Chinook.^{a/}

| Year | Fall Chinook Spawner Indices | | South/local Migrating Spring Chinook Spawner Indices | |
|--------------------|---|---|--|---------------------------------------|
| | North Migrating Peak Count Adults Per Mile | Rogue River | Rogue River | |
| | | (South/local migrating) Adult Carcass Counts | Gold Ray Dam Counts | Umpqua River Winchester Dam Counts |
| 1976 | 45 | - | 20 | 6 |
| 1977 | 71 | 1,356 | 15 | 7 |
| 1978 | 73 | 9,174 | 40 | 5 |
| 1979 | 81 | 8,272 | 29 | 6 |
| 1980 | 89 | 2,221 | 24 | 6 |
| 1981 | 82 | 5,228 | 13 | 5 |
| 1982 | 90 | 2,812 | 23 | 7 |
| 1983 | 42 | 2,737 | 10 | 3 |
| 1984 | 98 | 3,267 | 8 | 5 |
| 1985 | 132 | 5,486 | 28 | 8 |
| 1986 | 109 | 17,177 | 40 | 8 |
| 1987 | 121 | 25,918 | 37 | 8 |
| 1988 | 214 | 31,613 | 39 | 8 |
| 1989 | 138 | 7,408 | 8 | 8 |
| 1990 | 121 | 1,868 | 18 | 6 |
| 1991 | 150 | 2,799 | 9 | 2 |
| 1992 | 138 | 2,366 | 2 | 3 |
| 1993 | 63 | 5,447 | 13 | 4 |
| 1994 | 125 | 7,366 | 4 | 3 |
| 1995 | 103 | 3,958 | 21 | 6 |
| 1996 | 147 | 2,448 | 10 | 4 |
| 1997 | 105 | 1,643 | 10 | 3 |
| 1998 | 99 | 3,601 | 4 | 4 |
| 1999 | 124 | 2,493 | 6 | 3 |
| 2000 | 85 | 3,366 | 3 | 3 |
| 2001 | 203 | 6,380 | 9 | 6 |
| 2002 | 269 | 11,836 | 7 | 7 |
| 2003 | 279 | 14,620 | 19 | 8 |
| 2004 | 198 | 5,326 ^{b/} | 13 | 5 |
| 2005 | 118 | d/ | 6 | 4 |
| 2006 | 76 | d/ | 5 | 3 |
| 2007 | 42 | d/ | 3 | 2 |
| 2008 | 40 | d/ | 4 | 3 |
| 2009 | 61 | d/ | 5 | 5 |
| 2010 | 87 | d/ | 10 | 6 |
| 2011 ^{c/} | 92 | d/ | 10 ^{e/} | 9 |
| Goal | 60-90 | | | |

a/ North migrating peak counts are taken on nine miles of standard index surveys over nine river systems (see Appendix B, Table B-11 for individual system counts). Complete carcass counts are listed in Appendix B, Table B-10. Complete counts for Gold Ray and Winchester dams are listed in Appendix B, Table B-9.

b/ In 2004 one of the standard survey sections was not sampled. In the previous two years this section accounted for 33% of the total adult carcass counts.

c/ Preliminary.

d/ Surveys were not conducted.

e/ Gold Ray Dam removed October, 2010. Natural estimate derived using relationship of 2004-2010 spawning ground surveys to Gold Ray Dam passage. Estimate includes an unknown number of jacks.

TABLE II-5. Performance of Chinook salmon stocks in relation to 2011 preseason conservation objectives (preliminary data).
(Page 1 of 2)

| System and Stock | 2011 Conservation Objective(s) | Achievement |
|--|--|---|
| Sacramento River Chinook | | |
| Fall | 122,000-180,000 natural and hatchery adults. | Preliminary estimate of 121,742 natural and hatchery adult fall Chinook, 0.3% below the lower end of the escapement goal range. |
| Winter (Endangered) | NMFS ESA consultation standard defines specific limits on management measures to protect Sacramento River winter and spring Chinook. | Commercial and recreational seasons south of Point Arena conformed with the consultation standard. |
| Spring (Threatened) | Same objective as for winter Chinook. | Objective met-see winter Chinook achievement. |
| California North Coast Chinook | | |
| Klamath River Fall | Minimum escapement of 35,000 natural adult spawners. | 47,755 natural area spawners, 136% of preseason management objective. |
| California Coastal (Threatened) | No greater than 16.0% ocean harvest rate on age-4 Klamath River fall Chinook. | Preseason projection of 16.0%; no postseason estimate was available. |
| Oregon Coast Chinook | | |
| North Migrating Stocks | 150,000-200,000 natural adult spawners | 78 natural adult spawners per mile, above the |
| South/Local Migrating Stocks | (equivalent to peak spawner index counts of 60-90 adults per mile). | lower bound of the aggregate stock index range. |
| Columbia River Basin Fall Chinook | | |
| LRW (Component of threatened lower Columbia River Chinook ESU) | MSY objective of 5,700 natural North Lewis River adult spawners (no specific NMFS ESA guidance for 2010). | Preliminary estimate of 8,928 is 157% of the conservation objective. |
| LCR natural tules (Component of threatened lower Columbia River Chinook ESU) | Total (ocean plus inriver) AEQ exploitation rate on ESA-listed natural tules of no more than 37.0%. | Preseason projection of <37.0%. No postseason estimate was available. |
| LRH | 14,100 adult hatchery spawners. | Preliminary projection of 53,143 adult hatchery spawners, 377% of goal. |
| SCH | 7,000 adult hatchery spawners. | 29,888 adult hatchery spawners, 427% of goal. |
| MCB | No FMP objective; target of 7,750 hatchery adults. | 20,657 adult hatchery spawners, 267% of goal. |
| URB | 40-45,000 natural and hatchery adults above McNary Dam, plus meet treaty Indian obligations. <i>U.S. v. Oregon</i> parties agreed to 60,000 in 2011. | 161,191 natural and hatchery adults over McNary Dam, 269% of MSY target in FMP. |

TABLE II-6. Chinook stock status relative to overfished and overfishing criteria. A stock is overfished if the 3-year geometric mean spawning escapement is less than the minimum stock size threshold (MSST); a stock experiences overfishing if the total annual exploitation rate exceeds the maximum fishing mortality threshold (MFMT).

| Chinook Stock | Spawning Escapement | | | | | | | | Total Exploitation Rate | | | | | |
|---|---------------------|--------|--------|---------|---------|---------------|-----------|------------------|-------------------------|-------------|-------------|-----------|-----------|------|
| | 2007 | 2008 | 2009 | 2010 | 2011 | 3-yr Geo Mean | MSST | S _{MSY} | 2007 | 2008 | 2009 | 2010 | 2011 | MFMT |
| Sacramento Fall | 91,374 | 65,364 | 40,873 | 124,270 | 121,742 | 85,195 | 91,500 | 122,000 | 0.65 | 0.06 | 0.01 | 0.18 | NA | 0.78 |
| Klamath River Fall | 60,670 | 30,850 | 44,409 | 37,225 | 47,755 | 42,898 | 30,525 | 40,700 | 0.40 | 0.46 | 0.55 | 0.42 | NA | 0.71 |
| Southern Oregon | 29 | 13 | 66 | 52 | 35 | 49 | 30-45 | 150,000 to | NA | NA | NA | NA | NA | 0.78 |
| Central and Northern OR ^{a/} | 42 | 40 | 61 | 87 | 92 | 79 | fish/mile | 200,000 | 0.65 | 0.52 | 0.53 | NA | NA | 0.78 |
| Upper River Bright - Fall ^{a/} | 34,201 | 51,757 | 62,428 | 114,230 | NA | 71,731 | 19,182 | 39,625 | 0.57 | 0.54 | 0.67 | NA | NA | 0.86 |
| Upper River - Summer ^{a/} | 28,222 | 38,171 | 44,295 | 47,220 | 44,432 | 45,296 | 6,072 | 12,143 | 0.49 | 0.53 | 0.46 | NA | NA | 0.75 |
| Willapa Bay - Fall ^{b/} | 2,346 | 1,900 | 2,847 | 3,395 | NA | 2,638 | 1,696 | 3,393 | 0.82 | 0.52 | 0.56 | NA | NA | 0.78 |
| Grays Harbor Fall ^{b/} | 11,264 | 13,570 | 7,215 | 16,951 | NA | 11,840 | 5,694 | 11,388 | 0.82 | 0.52 | 0.56 | NA | NA | 0.78 |
| Grays Harbor Spring | 651 | 995 | 1,132 | 3,495 | NA | 1,579 | 546 | 1,092 | NA | NA | NA | NA | NA | 0.78 |
| Queets - Fall ^{a/} | 878 | 3,082 | 3,106 | 4,022 | NA | 3,377 | 1,250 | 2,500 | 0.82 | 0.52 | 0.56 | NA | NA | 0.87 |
| Queets - Sp/Su | 352 | 305 | 495 | 259 | NA | 339 | 350 | 700 | NA | NA | NA | NA | NA | 0.78 |
| Hoh - Fall ^{b/} | 1,556 | 2,999 | 2,081 | 2,599 | NA | 2,531 | 600 | 1,200 | 0.82 | 0.52 | 0.56 | NA | NA | 0.90 |
| Hoh Sp/Su | 810 | 671 | 880 | 828 | NA | 788 | 450 | 900 | NA | NA | NA | NA | NA | 0.78 |
| Quillayute - Fall ^{b/} | 3,066 | 3,612 | 3,130 | 4,635 | 3,993 | 3,869 | 1,500 | 3,000 | 0.82 | 0.52 | 0.56 | NA | NA | 0.87 |
| Quillayute - Sp/Su | 502 | 949 | 555 | 815 | 600 | 647 | 600 | 1,200 | NA | NA | NA | NA | NA | 0.78 |
| Hoko -Su/Fa ^{a/} | 568 | 483 | 375 | 793 | 1,504 | 764 | 425 | 850 | 0.42 | 0.63 | 0.25 | NA | NA | 0.78 |

a/ CWT based exploitation rates from PSC-CTC 2011 Exploitation Rate Analysis and Model Calibration.

b/ Queets River fall Chinook coded-wire-tag (CWT) exploitation rates used as a proxy. Exploitation rates in the terminal fisheries will differ from those calculated for Queets fall CWTs.

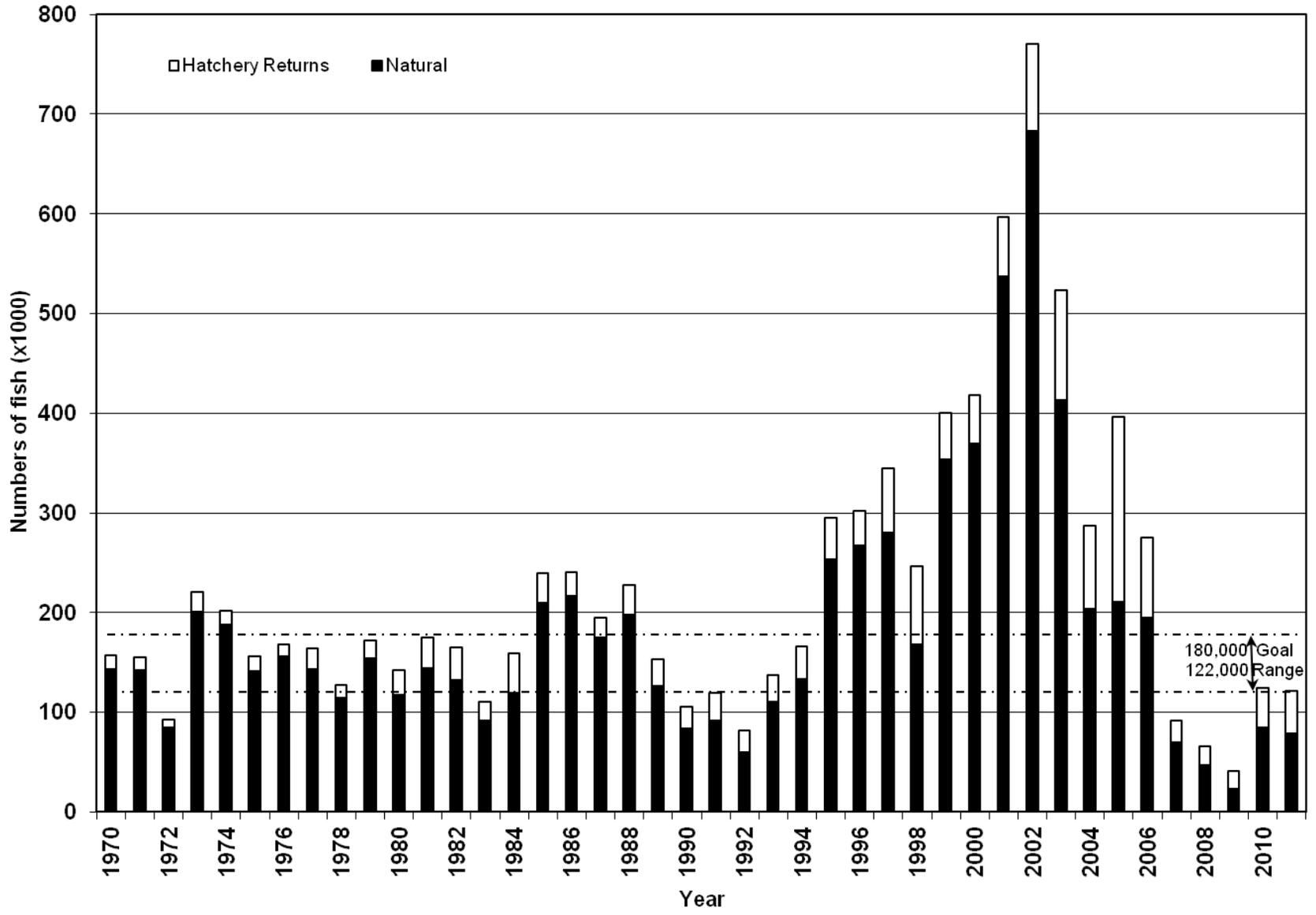


Figure II-1. Sacramento River adult fall Chinook spawning escapement, 1970-2011.

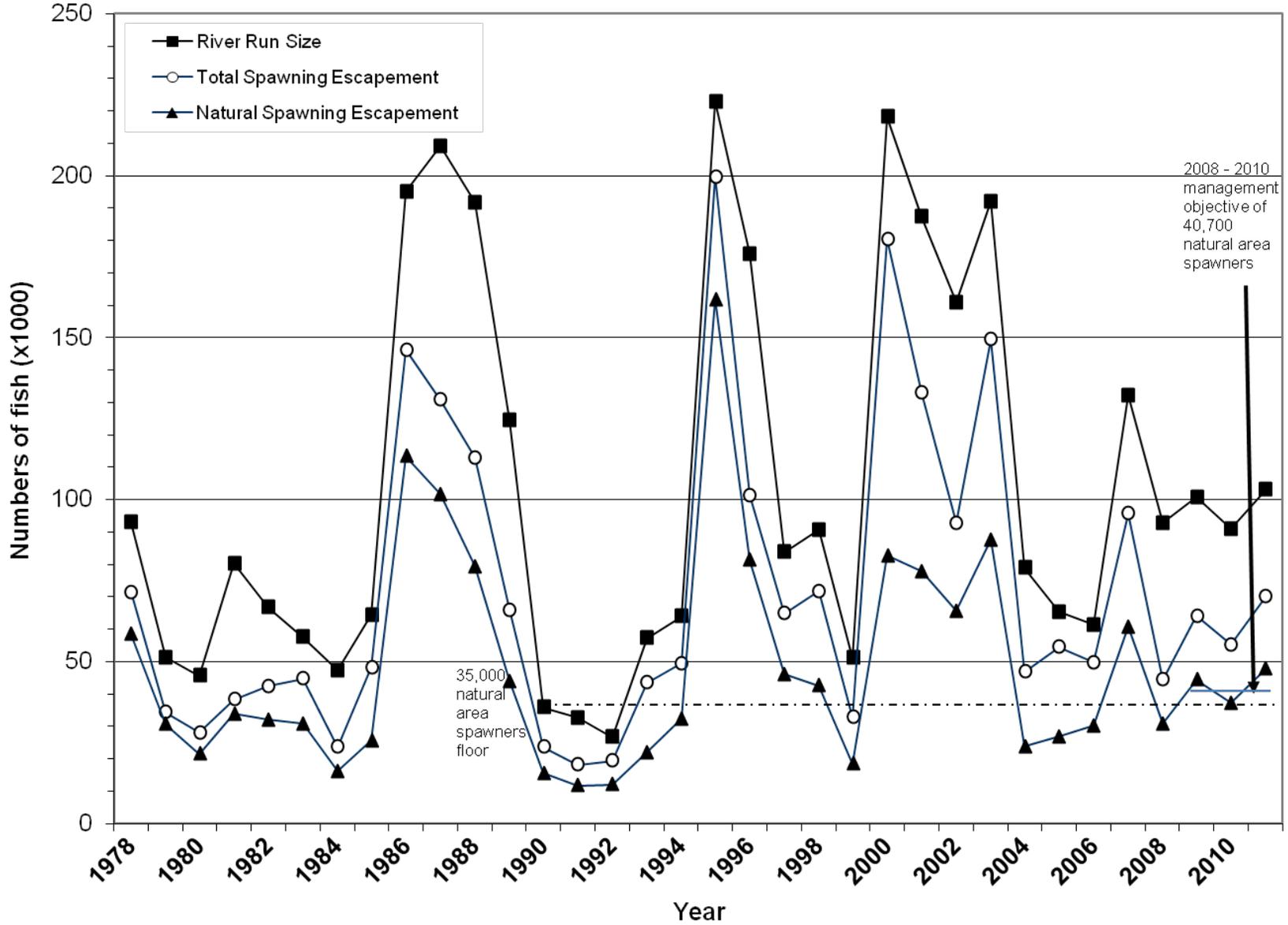


Figure II-2. Klamath River adult fall Chinook returns and spawning escapement, 1978-2011.

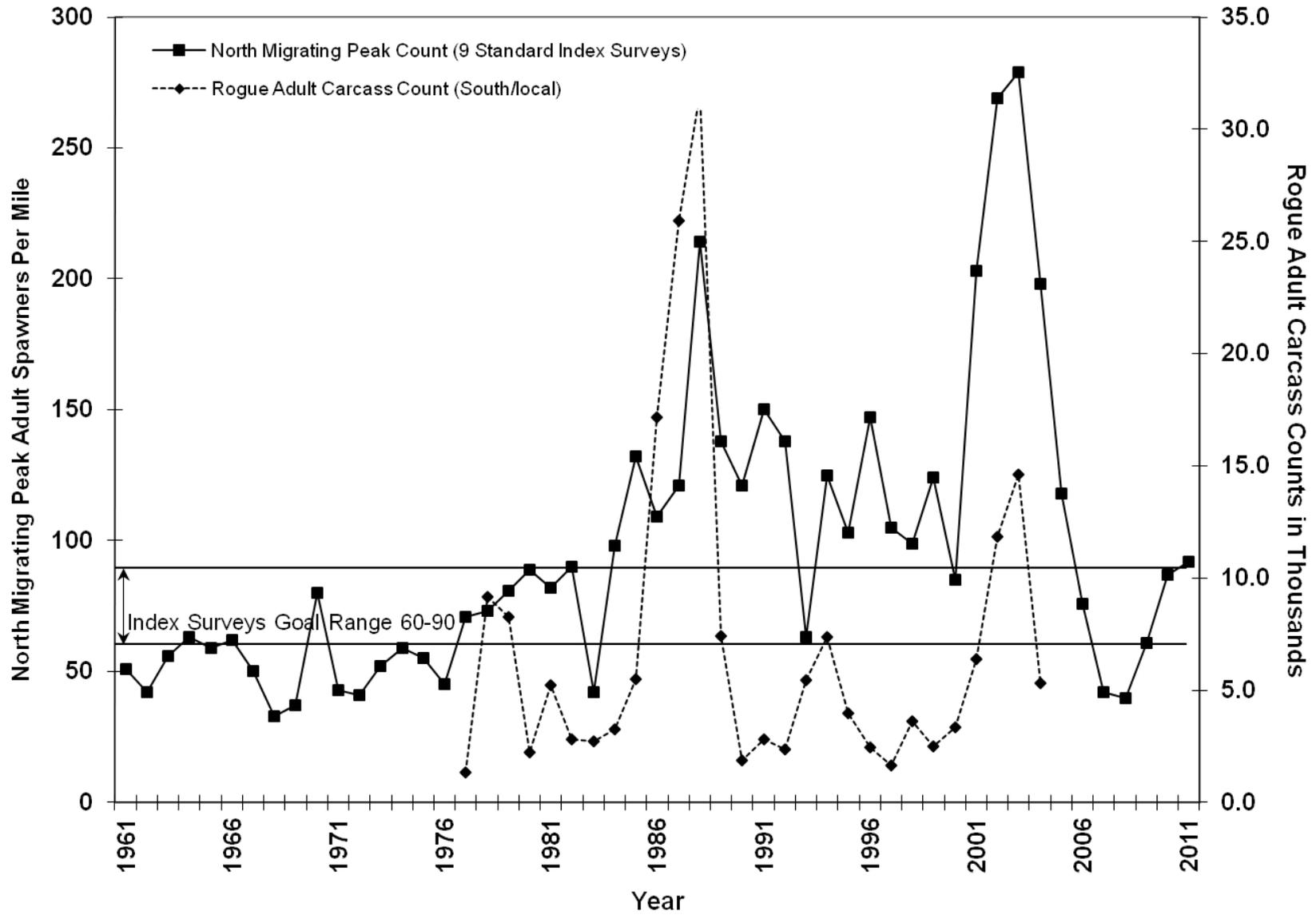


Figure II-3. Spawner indices for naturally produced Oregon coastal fall Chinook, 1961-2011.

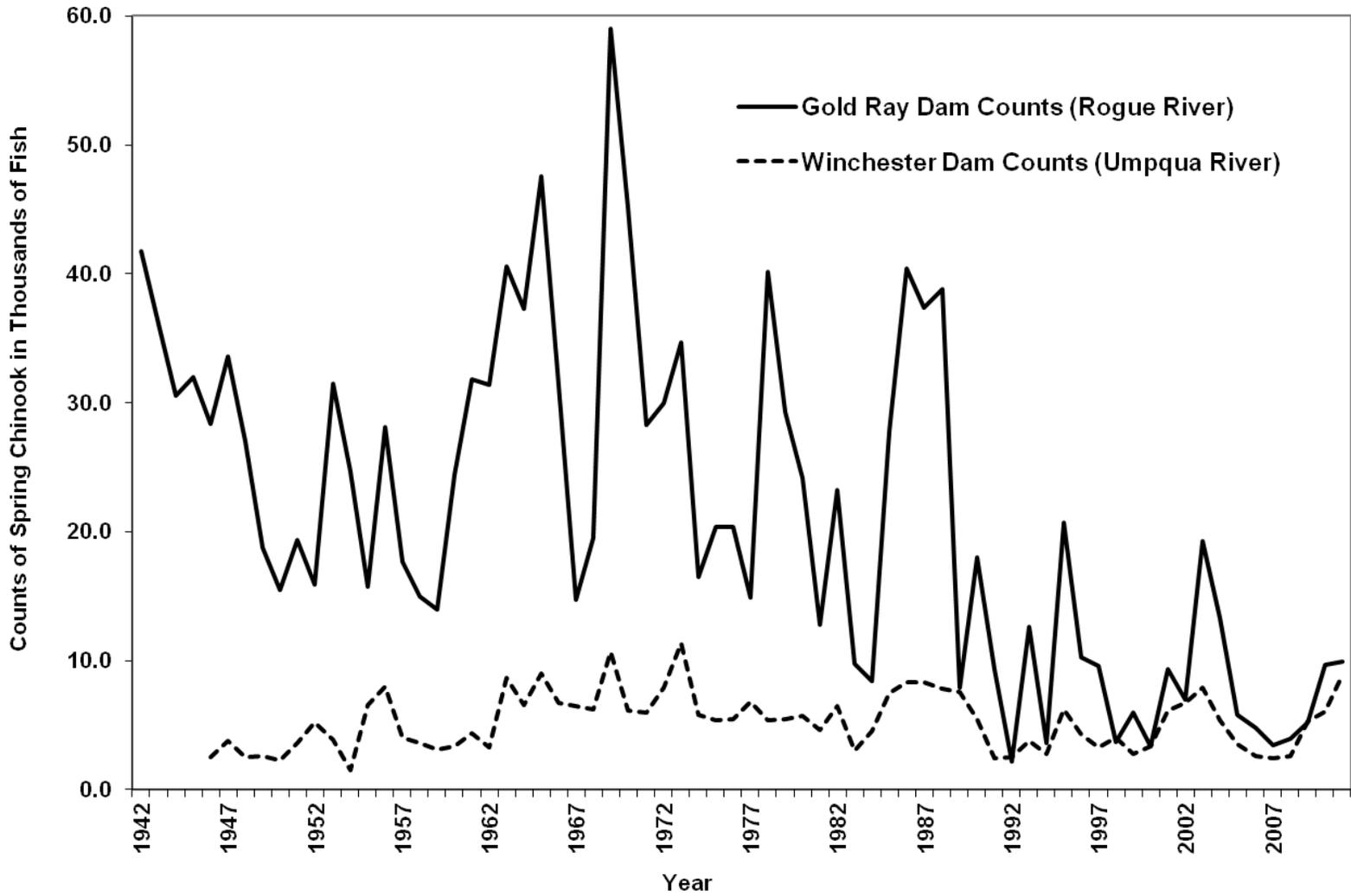


Figure II-4. Escapement indices for naturally produced Oregon coastal south/local migrating spring Chinook, 1942-2011.

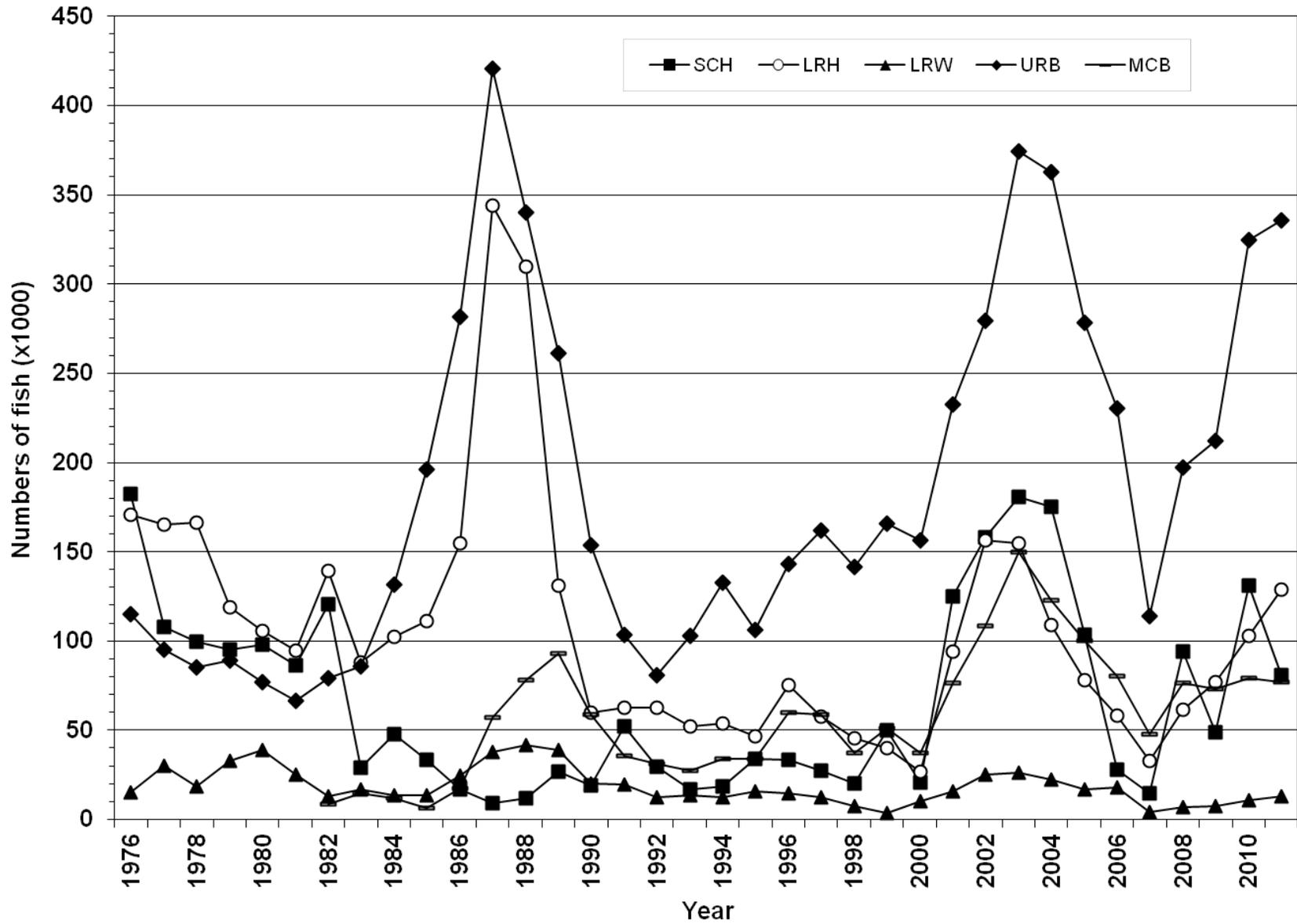


Figure II-5. Columbia River mouth adult returns of the five major fall Chinook stock groups, 1976-2011.

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CHAPTER III

COHO SALMON MANAGEMENT

OREGON PRODUCTION INDEX AREA COHO STOCKS

Oregon Production Index (OPI) area coho stocks include all Washington, Oregon, and California natural and hatchery stocks from streams south of Leadbetter Point, Washington, although stocks produced north of Leadbetter Point are also intercepted in the OPI area. The largest naturally produced coho stock is OCN coho, which includes coho produced from Oregon river and lake systems south of the Columbia River. OCN coho are managed as a stock aggregate with four identified components. Prior to 2000, NMFS listed three coho ESUs within the OPI area as threatened: CCC coho listed October 1996, SONCC coho listed May 1997, and OCN coho listed August 1998. In 2002, NMFS began an update of all its listing determinations and in January of 2006 concluded that the OCN ESU did not warrant listing under the ESA. That determination was overruled by a U.S. Court decision in 2007, and subsequently relisted by NMFS as threatened in February 2008. Columbia River natural coho were listed as endangered under the Oregon State ESA in 2002, and as threatened under the Federal ESA on June 28, 2005. The primary OPI hatchery stocks include a south migrating Columbia River (early) stock, a north migrating Columbia River (late) stock, public hatchery coho from the Oregon and northern California Coast, and formerly a small cooperative program along the southern Oregon Coast known as the Salmon Trout Enhancement Program (STEP), which was discontinued after the 2004 brood releases.

Management Objectives

In establishing ocean salmon fisheries that impact OPI area coho stocks, the Council was guided by the reasonable and prudent alternatives of NMFS 1999 Supplemental Biological Opinion and Incidental Take Statement for CCC and SONCC coho and the March 2011 NMFS ESA guidance letter for LCN natural and OCN coho, which required:

1. No directed coho fisheries or retention of coho in all commercial and recreational fisheries off California to protect endangered CCC coho.
2. Marine fishery impacts on endangered CCC and threatened SONCC coho must be no more than 13.0 percent as indicated by projected impacts on RK hatchery coho.
3. Fishery impacts on threatened LCN coho must not exceed a coastwide marine and mainstem Columbia River exploitation rate of 15.0 percent.
4. Fishery impacts on threatened OCN coho must not exceed a coastwide marine and freshwater exploitation rate of 15.0 percent.

Based on parent escapement levels and observed OPI smolt-to-jack survival for 2008 brood OPI smolts, the total allowable OCN coho exploitation rate for 2011 fisheries was no greater than 20.0 percent under the Salmon FMP (Amendment 13) and no greater than 15.0 percent under the matrix developed by the OCN Coho Work Group during their review of Amendment 13. The work group recommendation was accepted by the Council as expert biological advice in November 2000.

The Council was also guided by a treaty Indian/non-Indian sharing agreement for Columbia upriver coho stocks, which required passage of 50 percent of the run destined for areas above Bonneville Dam.

Regulations to Achieve Objectives

Historically, OPI area coho stocks contributed primarily to ocean fisheries off Oregon and northern California and, to a lesser degree, Washington and B.C. The Council has prohibited retention of coho in all fisheries south of the Oregon/California border since 1996. For the adopted seasons the STT projected exploitation rates of 8.4 percent for RK coho in marine fisheries, 13.2 percent for OCN coho in marine and freshwater fisheries combined, and 10.6 percent for LCN coho in marine fisheries.

Total allowable harvest set preseason for the non-Indian commercial and recreational fisheries for coho in 2011 was 80,000, the same as in 2010. For the treaty Indian fishery, the overall quota of 42,000 coho was a slight increase from the 41,500 coho quota in 2010. Season and size limit details are presented in Tables I-1, I-2, and I-3.

Commercial Troll

Commercial troll fisheries have been closed to coho retention south of Cape Falcon since 1993 with the exception of limited fisheries in 2007 and 2009.

Non-Indian commercial troll fisheries from Cape Falcon to the U.S./Canada border in 2011 had an overall quota of 12,800 coho (Table I-1). The fisheries were restricted to mark-selective coho retention.

All species treaty Indian fisheries north of Cape Falcon were not restricted to mark-selective retention of coho, and operated on an overall quota of 42,000 coho (Table I-2).

Recreational

From 1994 through 1998 coho retention was prohibited in Oregon recreational fisheries south of Cape Falcon. Retention of coho has been prohibited off California since 1996 to protect ESA-listed CCC coho. Mark-selective coho directed ocean recreational fisheries have been implemented in the OPI area since 1998. Only two limited non-mark-selective recreational ocean coho fisheries have occurred in recent years, one in 2004 between Leadbetter Point and the Queets River, and one September 1-7, 2011 between Cape Falcon and Humbug Mt. Adequate abundance of marked coho in the OPI area has resulted in allowable harvests of marked coho in Oregon and Washington within constraints for OCN and LCN coho.

In 2011, after inseason adjustments, the recreational coho fisheries north of Cape Falcon operated with quotas of 5,990 in the Neah Bay subarea, 2,550 in the La Push subarea, 24,860 in the Westport subarea, and 33,600 in the Columbia River subarea (Table I-3). The recreational fishery between Cape Falcon and Humbug Mountain operated with a mark-selective quota of 15,000, July 2 through August 13 and after inseason adjustments, a non-selective quota of 5,900, September 1-7 (Table I-3).

Inside Harvest

Coho retention in all California fisheries was prohibited.

The 2011 inside recreational harvest of coho in Oregon coastal streams, as in recent years, was very restricted and generally limited to areas where surplus hatchery coho returns were expected. Estimates of the 2011 inriver recreational coho harvest for most areas were not available. Historical estimates of the recreational harvest of adult coho in Oregon coastal estuaries and rivers, derived from ODFW salmon and steelhead angler catch record cards, are reported in Table III-1.

Limited recreational fisheries for naturally-produced coho (non-mark-selective) were approved in ten estuaries and three lake systems in 2011. The total catch estimate for these fisheries was 8,022 in the estuaries, 564 in Siltcoos, 190 in Tahkenitch, and 27 in Tenmile lakes.

The 2011 Columbia River non-Indian commercial gillnet fishery harvested 5,900 adult coho, compared to 76,300 coho in 2010. Select Area fisheries in both Oregon and Washington accounted for 45,500 of the total 2011 Columbia River commercial coho catch. The Columbia River treaty Indian mainstem commercial gillnet coho catch was approximately 33,300 fish, compared to the 2010 catch of 7,100 coho. All Columbia River commercial coho fisheries were non-mark-selective. Coho harvest information for Columbia River commercial and recreational fisheries are presented in Appendix B, Table B-21.

The Buoy 10 and mainstem recreational fisheries below Bonneville Dam harvested 31,100 adult coho compared to 32,200 adult coho in 2010. All Columbia River recreational fisheries in 2011 were mark-selective for coho. In 2011, Columbia River managers opened the Buoy 10 fishery August 1 with a daily bag limit of two adult salmon with no more than one Chinook through August 28. From August 29 through September 15 the daily bag limit was two salmon with no Chinook retention. Beginning September 16 the fishery ran through December 31 with the daily bag limit of two salmon for Chinook and marked coho. The upriver boundary for the fishery was at the Tongue Point, Oregon to Rocky Point, Washington line. The 2011 Buoy 10 effort totaled 49,400 angler trips (Table III-2). Historical Buoy 10 catch and effort data are provided in Appendix B, Table B-22. Recreational coho harvest estimates for Columbia River tributaries were not available.

Escapement and Management Performance

The overall abundance estimate for OPI area stocks in 2011 was 753,900 compared to 818,100 in 2010 and to the recent ten-year average of 900,300 (Table III-3; Figure III-1). All Council area coho fisheries complied with quota limits except the September 1-7 Cape Falcon to Humbug Mt. non-mark-selective recreational fishery, which harvested 112 percent of its quota (Table I-6).

Central California Coast and Northern California Coho

For CCC coho, redd counts have been made for the Lagunitas Creek basin since 1995 and are reported in Table B-7. As of January 5, 2011, 55 redds were counted. However, the spawning season for this watershed may not be complete and the final redd count may change. Estimates were available for escapement to Klamath River Basin hatcheries, but not for coho spawning in natural areas. In 2011, a total of 1,948 adult coho returned to Trinity River Hatchery and 477 adult coho returned to Iron Gate Hatchery. These values compare to a combined goal of 2,000 adults.

Oregon Coast Natural Coho

The preliminary estimate of natural spawner escapement in 2011 to Oregon coastal river and lake systems from the Sixes River north (Oregon coast ESU) was 291,400 adult coho. This compares to 283,400 adults in 2010. Historical spawner escapement estimates of naturally produced coho are reported in Table III-1.

Preliminary information indicates the highest total natural spawning population on the Oregon coast since 1990 when the current random sampling protocol went into effect. The estimate of the natural spawning population in 2011 was 295,300, including estimates from the Rogue River, which is part of the SONCC ESU (Table III-4, Figure III-2).

Preliminary postseason estimates of combined marine and freshwater exploitation on OCN coho was 7.5 percent, less than the preseason projection of 13.2 percent, and below the 15.0 percent maximum allowed under the FMP and the OCN work group matrix. Preliminary postseason estimates of marine exploitation on RK coho was 3.8 percent, lower than the preseason projection of 8.4 percent, and below the 13.0 percent maximum ESA consultation standard.

Oregon Coastal Hatchery Coho

The preliminary estimate of total coho returns to Oregon coastal public hatcheries was 4,600 adults (Table III-1). Hatchery egg-take goals were expected to be met at all public hatchery stations.

Columbia River Coho

The 2011 ocean escapement of adult early and late Columbia River coho stocks was 352,000 fish, compared to 440,400 adults in 2010 (Appendix B, Table B-21). The 2011 Columbia River coho abundance was sufficient to meet all hatchery brood stock escapement needs.

Preliminary postseason estimates of marine exploitation on LCN coho was 5.8 percent, less than the preseason projected 10.6 percent.

WASHINGTON COASTAL COHO STOCKS

Washington coastal coho stocks include all natural and hatchery stocks originating in Washington coastal streams north of the Columbia River to the western Strait of Juan de Fuca (west of the Sekiu River). The stocks in this group most pertinent to ocean salmon fishery management were Willapa Bay (hatchery), Grays Harbor, Quinalt (hatchery), Queets, Hoh, and Quillayute coho. Those stocks contribute primarily to ocean fisheries off Washington and B.C.

Management Objectives

Preseason Management goals in 2011 for Grays Harbor and Olympic Peninsula coho stocks included achieving natural spawning escapement objectives and treaty Indian allocation requirements. The Council's preseason conservation objectives for stocks managed for natural production were based on maximum sustainable yield (MSY) spawner escapements established pursuant to the U.S. District Court order in *Hoh v. Baldrige*. The conservation objectives for the Queets, Hoh, and Quillayute rivers were developed as ranges intended to bracket estimates of MSY escapement. The range reflected the inherent uncertainty by using the high estimate of recruits-per-spawner and the low estimate of carrying capacity for the lower bound, and the low estimate of recruits-per-spawner and the high estimate of smolt carrying capacity for the upper end of the range. The ranges were further adjusted upward by 26 to 184 percent for risk aversion and habitat considerations. Annual targets for natural spawning escapement and total escapement were established by WDFW and treaty Indian tribes under the provisions of *U.S. v. Washington* and subsequent U.S. District Court orders. After an annual agreement was reached, ocean fishery escapement objectives were established for each river, or region of origin. Agreements included provisions for treaty Indian allocation requirements and inside non-Indian fishery needs. No agreements on annual spawning targets for Washington coastal coho other than those in the FMP in place during the preseason process were made in 2011.

In December 2011, Amendment 16 to the FMP was approved, which established new conservation objectives and SDC for Washington coastal coho based on either S_{MSY} estimates derived from FRAM run reconstruction programs or existing conservation objectives.

Regulations to Achieve Objectives

Washington coastal coho stocks did not play a primary role in 2011 Council area ocean fishery management because of greater constraints on Interior Fraser (Thompson River, B.C.) and LCN coho stocks. Overall harvest quotas were limited to levels well below those of the late 1980s and early 1990s. All non-Indian ocean coho fisheries were mark-selective except for a September recreational coho fishery south of Cape Falcon. Treaty Indian fisheries were not mark-selective. Season and size limit details are presented in Tables I-1, I-2, and I-3.

Willapa Bay Coho

Inside Harvest

Historical terminal run size, harvest and escapement data for Willapa Bay coho are presented in Appendix B, Table B-24. The 2011 gillnet coho harvest in Willapa Bay totaled 48,173 fish. Based on the preseason forecast for a terminal run of 76,293 fish, the scheduled commercial fisheries were expected to harvest approximately 53,486 total coho.

From June 18, 2011 through July 31, 2011, Willapa Bay (Marine Area 2-1) was open for recreational fishing concurrent with the Ocean Marine Area 2 (ocean rules applied). From August 1, 2011 through January 31, 2012, Willapa Bay was open to recreational fishing with a daily-bag-limit of six salmon, no more than three adults. Chum and unmarked Chinook retention was prohibited. Barbed hooks were prohibited when fishing for salmon. Expected harvest in recreational fisheries based on preseason forecast abundance was 4,125 coho. Marine and freshwater recreational harvest estimates were unavailable for 2011, but for 2010, Marine Area 2-1 and freshwater recreational harvest estimates totaled 4,891 fish.

Freshwater recreational fisheries in the Willapa Bay watersheds varied in duration but were generally open for salmon fishing from August 1, 2011 through January 31, 2012 with a daily-bag-limit of six salmon, and no more than two or three adults. Chum and unmarked Chinook retention was prohibited. Single-point barbless hooks were required in all areas except for the Naselle River.

Escapement and Management Performance

Willapa Bay coho were managed primarily for natural production. Estimates of natural spawning escapement for 2011 were unavailable. The most recent but still preliminary natural escapement estimate available was 77,784 in 2010, which met the WDFW escapement objective of 13,090 natural spawners. Escapement to Willapa Bay hatcheries in 2010 was estimated at 27,514 coho, which met the WDFW escapement objective of 6,100 spawners. FMP conservation objectives remain undefined for Willapa Bay coho.

The FMP conservation objective for Willapa Bay natural coho is undefined so a determination of overfished status could not be made. Estimates of exploitation rates were not available so an assessment of overfishing status was not possible, but based on exploitation rates for other Washington coastal coho stocks, it is unlikely that Willapa Bay coho were subject to overfishing (Table III-6).

Grays Harbor Coho

Inside Harvest

Historical terminal run size, harvest and escapement data for Grays Harbor coho are presented in Appendix B, Table B-26. The 2011 run size forecast for Grays Harbor coho, after accounting for ocean fishery impacts, was 133,054 fish (89,097 natural and 43,957 hatchery). Treaty Indian and non-Indian gillnet fisheries harvested 33,271 coho (natural, hatchery, and net-pen origin) in 2011. This included 28,101 coho in the Quinault Indian Nation fisheries, 3,628 in the non-Indian gillnet fishery, and an estimated 1,542 in the Chehalis tribal fishery. Recreational harvest estimates for 2011 were not available.

The Quinault Indian Nation operated two separately scheduled gillnet fisheries for Chinook, coho, and chum in the area of the Lower Humptulips and in the area of the Lower Chehalis, as described in Chapter II under the section labeled Grays Harbor Chinook. The expected coho fishery impacts were limited by the expected abundance and harvest of Chinook in the Lower Chehalis side of the fishery and by the expected abundance and harvest of natural coho in the Lower Humptulips side of the fishery. The

Chehalis area treaty Indian fishery caught 21,302 coho, whereas the Humptulips area treaty Indian fishery catch was 6,799 coho. The combined Grays Harbor treaty Indian coho catch was very close to the expected catch.

The non-Indian gillnet fishery in Humptulips commercial Area 2-C was open for eight days in mid-August through mid-September, in addition, two 10-hour fisheries were conducted in October. Retention of fall Chinook and marked coho was allowed. Live boxes were required and unmarked coho could not be retained. Catches totaled 1,858 Chinook and 79 coho. The non-Indian gillnet fishery in the Chehalis River commercial Areas 2A and 2D was open for four 10-hour and one 9-hour periods in October; live boxes were required, and Chinook could not be retained. Catches totaled 3,549 coho.

Estimates of catch in recreational fisheries for 2011 were unavailable. However fisheries were conducted in three general areas: Marine Area 2.2, the Chehalis River and its tributaries, and the Humptulips River. The recreational fishery in Marine Area 2.2 was open from September 16 through November 30 for two adult salmon daily, with Chinook and chum retention prohibited.

The Chehalis River and its tributaries were open for coho fishing on the following dates and areas:

- Downstream of Fuller Bridge: September 16 through October 31, 2011 with a daily limit of 6 salmon, up to 2 adults, and no Chinook or chum retention. November 1, 2011 through January 31, 2012 with a daily limit of 6 salmon, up to 2 adults, with no Chinook, chum, or unmarked coho retention.
- Fuller Bridge to the bridge crossing at the town of Porter: September 16 through November 30, 2011 with a daily limit of 6 salmon, up to 2 adults, and no Chinook or chum retention. December 1, 2011 through January 31, 2012 with a daily limit of 6 salmon, up to 2 adults, with no Chinook, chum, or unmarked coho retention.
- From the bridge crossing at the town of Porter to the high bridge on Weyerhaeuser 1000 line approximately 400 yards downstream of Roger Creek: September 16 through November 30, 2011. With a daily limit of 6 salmon, up to 2 adults, with no Chinook or chum retention. December 1, 2011 through January 31, 2012 with a daily limit 6 salmon, up to 2 adults, with no Chinook, chum, or unmarked coho retention.

The Humptulips River recreational fishery was open for coho fishing on the following dates and areas, with a bag limit of two adult salmon daily.

- From the mouth to Ocean Beach Road to October 1, 2011 to January 31, 2012 with a daily limit of 6 salmon, up to 2 adults, with no retention of chum or unmarked coho.
- From the Ocean Beach Road to the confluence of the East and West forks: September 16 through January 31, 2012 with a daily limit of 6 salmon, up to 2 adults, no more than one of which could be a Chinook, and no retention of chum or unmarked coho. Fishing with bait was prohibited in September.

Escapement and Management Performance

Grays Harbor coho are managed for natural production with a spawning escapement goal of 35,400. The 2011 terminal run forecast for natural spawning coho was 89,097 adult fish and 43,958 hatchery-origin coho. An escapement estimate for 2011 Grays Harbor coho was not available. The returns of hatchery-origin coho to Grays Harbor hatchery programs were sufficient to provide for 2012 coho production goals.

The geometric mean of Grays Harbor coho escapement in 2008, 2009, and 2010 was 62,231, which was above the MSST of 18,320; therefore, Grays Harbor coho should not be considered overfished. Estimates of Grays Harbor coho exploitation rates were not available for 2010 or 2011; however, fisheries in earlier

years resulted in exploitation rates well below the MFMT (0.65); therefore, Grays Harbor coho should not be considered subject to overfishing (Table III-6).

Quinault River Coho

Inside Harvest

Historical terminal run size, harvest, and escapement for Quinault River coho are presented in Appendix B, Table B-28. The treaty Indian gillnet fishery targeted hatchery Chinook and coho from early September through mid-November. A total of 38,426 coho were harvested by the gillnet fishery during the 2011 season.

Escapement and Management Performance

Quinault River coho were managed for hatchery production. Escapement estimates for Quinault River coho in 2011 were unavailable. The Quinault National Fish Hatchery egg take objectives for 2011 were achieved.

Queets River Coho

Inside Harvest

Historical terminal run size, harvest, and escapement for Queets River coho are presented in Appendix B, Table B-31. Queets River fisheries were managed according to preseason agreement with WDFW based on preseason abundance estimates and planned Council ocean fisheries. The fishery was structured to target returning hatchery and natural coho while also harvesting Chinook at a total tribal and non-tribal harvest rate of 40 percent. The total harvest of coho in the Treaty Indian gillnet fishery was 16,638 commercially landed fish, which was above the expected preseason catch of 9,159. The gillnet harvest was comprised of a mix of early-timed hatchery fish and normal/late-timed natural fish, with the larger than expected catch attributed to a greater hatchery return than expected. A final estimate of the hatchery/natural mix in the catch was unavailable. Coho catch estimates in the treaty Ceremonial and Subsistence fishery was not available. Recreational fisheries operated with standard September 1 through November 30 schedules in the Queets, Clearwater, and Salmon Rivers, and a standard bag limit in the Clearwater and Queets. A third adult coho was allowed in the Salmon River in Park and State waters. Recreational fisheries for Chinook operated in a similar manner as coho, except within Olympic National Park waters, where only mark-selective Chinook retention was allowed. Estimates of the non-Indian and treaty Indian recreational catches were not available.

Escapement and Management Performance

The 2011 natural escapement estimate was unavailable, but the tribal catch through the season suggested the natural escapement exceeded the MSY spawner escapement objective of 5,800. The expected natural coho escapement for 2011 based on preseason modeling was 6,912, with a preseason escapement objective range of 5,800 to 14,500 natural coho.

The geometric mean of Queets River coho escapement in 2008, 2009, and 2010 was 7,885, which was above the MSST of 4,350; therefore, Queets River coho should not be considered overfished. Estimates of Queets River coho exploitation rates were not available for 2010 or 2011; however, fisheries in earlier years resulted in exploitation rates well below the MFMT (0.65); therefore, Queets River coho should not be considered subject to overfishing (Table III-6).

Hoh River Coho

Inside Harvest

Historical terminal run size, catch, and escapement data for Hoh River coho are presented in Appendix B, Table B-34. The 2011 terminal run size of Hoh River natural coho was projected to be 11,625. The tribal fishery targeted 35.7 percent of the terminal run. The treaty Indian gillnet fishery occurred from the week of September 1 to the week of December 31 (which included weeks 49-52 of steelhead management), as described in Chapter II under the section labeled Hoh River Chinook. The tribal fishery harvested approximately 3,418 coho, all estimated to be natural origin, including dip-in natural fish. The non-Indian recreational fishery extended from September 1 through November 30, with the area below Willoughby Creek open and a daily-bag-limit of six salmon, two of which could be adults and no mark-selective coho restriction. The portion of the river between Willoughby Creek and Morgan's Crossing opened October 16 to reduce impacts on spawning spring/summer Chinook in that reach. The river above Morgan's Crossing did not open for recreational salmon fishing. A catch estimate for the 2011 recreational fishery was not available.

Escapement and Management Performance

The preliminary 2011 spawning escapement estimate for coho in the Hoh River was unavailable. Tribal catch and expected harvest rates indicate the fall coho terminal run size may be near the level anticipated pre-season. The escapement goal range established for this stock is 2,000 to 5,000. The geometric mean of Hoh River coho escapement in 2008, 2009, and 2010 was 5,035, which was above the MSST of 1,890; therefore, Hoh River coho should not be considered overfished. Estimates of Hoh River coho exploitation rates were not available for 2010 or 2011; however, fisheries in earlier years resulted in exploitation rates well below the MFMT (0.65); therefore, Hoh River coho should not be considered subject to overfishing (Table III-6).

Quillayute River Coho

Inside Harvest

Historical terminal run size, catch, and escapement data for Quillayute River summer and fall coho are presented in Appendix B, Table B-37. The recreational and tribal fisheries for coho were established by pre-season agreement between WDFW and the Quileute Tribe. A total of 757 (347 natural) summer coho were harvested in the Quileute Tribe's commercial, ceremonial and subsistence fisheries. An estimate of the 2011 recreational catch was unavailable.

Tribal harvest of fall coho in 2011 was 21,994. This includes 11 coho taken in the ceremonial and subsistence catch. The Quileute Tribal net fishery harvested 10,495 natural fall coho. Ten natural and one hatchery fall coho were taken in the ceremonial and subsistence fishery. An estimate of the 2011 recreational catch was unavailable.

WDFW reduced the impacts of the recreational fishery on natural summer and fall coho by requiring mark-selective fisheries for coho through October. The Quileute Tribe did not have a closure in their fishery this year, but as in past years, limited their fishery to 29 hours per week during July and August.

Escapement and Management Performance

The summer coho run in the Quillayute is managed primarily for its hatchery component, which returns in August and September. The summer coho hatchery rack return was 3,800, well above the goal of 300. Natural summer broodstock was not collected for the Sol Duc hatchery. The preliminary estimate for 2011 natural summer coho escapement was 1,644.

The preliminary 2011 escapement estimate for natural fall coho was 9,512. This exceeded the MSY spawner escapement objective of 6,300, and was well within the preseason escapement goal of 6,300 to 15,800 for this stock. Sol Duc Hatchery collected an additional 15 natural fall coho for integration in their fall coho program.

The geometric mean of Quillayute fall coho escapement in 2009, 2010, and 2011 was 9,028, which was above the MSST of 6,300; therefore, Quillayute fall coho should not be considered overfished. The MFMT for Quillayute fall coho was undefined; therefore an assessment of overfishing was not possible for Quillayute fall coho; however, fisheries in earlier years resulted in exploitation rates similar to other Washington coastal coho stocks, and it is unlikely that Quillayute fall coho were subject to overfishing (Table III-6).

PUGET SOUND COHO STOCKS

Puget Sound coho salmon stocks include natural and hatchery stocks originating from U.S. tributaries in Puget Sound and the Strait of Juan de Fuca. The primary stocks in this group that are most pertinent to ocean salmon fishery management were Strait of Juan de Fuca, Hood Canal, Skagit, Stillaguamish, Snohomish, and South Puget Sound (hatchery) coho. Those stocks contribute primarily to ocean fisheries off Washington and B.C.

Management Objectives

The Council's previous conservation objectives were based on the Puget Sound Salmon Management Plan, which defined management objectives and long-term goals for these stocks as developed by representatives from Federal, state, and tribal agencies. Conservation objectives for specific stocks were based on either maximum sustainable production for stocks managed primarily for natural production or on hatchery escapement needs for stocks managed for artificial production. The original conservation objectives were developed by a State/Tribal Management Plan Development Team following the Boldt Decision with the goal for natural spawning stocks defined as "the adult spawning population that will, on the average, maximize biomass of juvenile outmigrants subsequent to incubation and freshwater rearing under average environmental conditions." The methodology used to develop the objectives was based on assessment of the quantity and quality of rearing habitat and the number of adult spawners required to fully seed the habitat. Some objectives were subsequently modified by the U.S. District Court Fisheries Advisory Board and later determinations of the WDFW/Tribal Technical Committee. However, annual natural management objectives may vary from the FMP conservation objectives if agreed to by WDFW and the treaty Indian tribes under the provisions of *U.S. versus Washington* and subsequent U.S. District Court orders. (see "Memorandum Adopting Salmon Management Plan"; *U.S. versus Washington*, 626 F. Supp. 1405 [1985]).

The PSC adopted a management plan for coho salmon originating in Washington and southern B.C. river systems in 2002. The plan was directed at the conservation of key management units, four from Southern B.C. (Interior Fraser, Lower Fraser, Strait of Georgia Mainland, Strait of Georgia Vancouver Island) and nine from Washington (Skagit, Stillaguamish, Snohomish, Hood Canal, Strait of Juan de Fuca, Quillayute, Hoh, Queets, and Grays Harbor). Under the plan, the United States and Canada were required to constrain total fishery exploitation rates to levels associated with the categorical status and target exploitation rates of the key management units as determined by domestic managers. Ceilings on exploitation rates by intercepting fisheries were established through formulas specified in the plan. Categorical status was employed by the PST under the 2002 Coho Agreement to indicate general ranges of allowable total exploitation rates for U.S. and Canadian coho management units in 2011. Three categories were employed: low (total exploitation rate <20 percent), moderate (total exploitation rate 20-40 percent), and abundant (total exploitation rate >40 percent).

In 2011, the Council adopted management objectives for Puget Sound coho as recommended by WDFW and tribal co-managers under provisions of *U.S. v. Washington*. The annual objectives were based on the Comprehensive Coho Agreement categorical status and associated maximum exploitation rate limits. The Council formally adopted exploitation rate management objectives for Puget Sound coho in November 2009, which were generally consistent with PSC objectives, and replaced the longstanding FMP spawning escapement objectives in 2010. For 2011, the objectives were as follows:

- Strait of Juan de Fuca (East and West): Low status 40 percent maximum exploitation rate
- Hood Canal: Normal status 65 percent maximum exploitation rate
- Skagit: Normal status 60 percent maximum exploitation rate
- Stillaguamish: Normal status 50 percent maximum exploitation rate
- Snohomish: Normal status 60 percent maximum exploitation rate

Regulations to Achieve Objectives

Puget Sound coho stocks did not play a primary role in 2011 ocean fishery management considerations, since management of impacts to Interior Fraser (Thompson River, B.C. Canada) and LCN coho were more constraining. Inside fisheries, primarily in Puget Sound, were constrained to meet PSC objectives for Interior Fraser coho. The mark-selective regulations in ocean and Puget Sound recreational fisheries served to increase harvest of marked hatchery fish while minimizing impacts on natural Puget Sound coho, LCN coho, OCN coho, and Interior Fraser coho. Season and size limit details are presented in Tables I-1, I-2, and I-3.

Inside Harvest

Inside harvest of Puget Sound coho was managed on the basis of the six regional management units. Harvest of coho for each management unit is regulated according to the natural spawning escapement or hatchery program escapement goal for that unit. Commercial net and troll harvest (treaty Indian and non-Indian) for all coho stocks combined is presented in Appendix B, Table B-39. The 2011 total Puget Sound commercial catch of coho was 251,304 fish, compared to a catch of 173,104 coho in 2010. Non-Indian harvest was 28,821 coho, compared to 18,220 coho in 2010. Treaty Indian net and troll fisheries harvested 222,483 coho, compared to 154,884 coho in 2010.

Historical coho catches in the Puget Sound recreational fishery beginning in 1971 are listed in Appendix B, Table B-40. Catch estimates for the 2011 Puget Sound recreational fishery were unavailable.

Escapement and Management Performance

Puget Sound FMP conservation objectives were updated to reflect exploitation rate management objectives adopted by the Council in 2009. No 2011 postseason estimates were available for southern U.S. (SUS) harvest impacts on Puget Sound coho stocks; therefore, the 2011 preseason exploitation rate objectives could not be evaluated, although none of the Puget Sound coho management units have exceeded their annual exploitation rate limits in recent years. Preliminary 2011 escapement information indicates natural Puget Sound coho escapements were generally average or below average, but actual escapement numbers were unavailable.

Adult spawning escapements for Western Strait of Juan de Fuca coho in 2005, 2006, 2007, and 2008 were lower than the FMP conservation objective in place at the time, and therefore an Overfishing Concern was triggered, which resulted in a NMFS determination that the stock was overfished. The geometric mean of Strait of Juan de Fuca coho escapement (combined Western and Eastern; the current stock designation) in 2009, 2010, and 2011 was 9,875, which was above the MSST of 7,000 identified in FMP Amendment 16 and less than the S_{MSY} estimate of 11,000; therefore, Strait of Juan de Fuca coho should be considered not overfished/rebuilding. Estimates of Strait of Juan de Fuca coho exploitation rates were not available for 2010 or 2011; however, fisheries in earlier years resulted in an exploitation rates well

below the MFMT (0.60); therefore, Strait of Juan de Fuca coho should not be considered subject to overfishing (Table III-6).

The geometric mean of Hood Canal coho escapement in 2008, 2009, and 2010 was 11,414, which was above the MSST of 10,750; therefore, Hood Canal coho should not be considered overfished. Estimates of Hood Canal coho exploitation rates were not available for 2010 or 2011; however, fisheries in earlier years resulted in exploitation rates below the MFMT (0.65); therefore, Hood Canal coho should not be considered subject to overfishing (Table III-6).

The geometric mean of Skagit coho escapement in 2008, 2009, and 2010 was 35,711, which was above the MSST of 14,875; therefore, Skagit coho should not be considered overfished. Estimates of Skagit coho exploitation rates were not available for 2010 or 2011; however, fisheries in earlier years resulted in exploitation rates well below the MFMT (0.60); therefore, Skagit coho should not be considered subject to overfishing (Table III-6).

The geometric mean of Stillaguamish coho escapement in 2008, 2009, and 2010 was 16,329, which was above the MSST of 6,100; therefore, Stillaguamish coho should not be considered overfished. Estimates of Stillaguamish coho exploitation rates were not available for 2010 or 2011; however, fisheries in earlier years resulted in exploitation rates well below the MFMT (0.50); therefore, Stillaguamish coho should not be considered subject to overfishing (Table III-6).

The geometric mean of Snohomish coho escapement in 2008, 2009, and 2010 was 55,931, which was above the MSST of 31,000; therefore, Snohomish coho should not be considered overfished. Estimates of Snohomish coho exploitation rates were not available for 2010 or 2011; however, fisheries in earlier years resulted in exploitation rates well below the MFMT (0.60); therefore, Snohomish coho should not be considered subject to overfishing (Table III-6).

BRITISH COLUMBIA COHO STOCKS

Management Objectives

B.C. coho stocks were managed under the PSC management plan as described in the previous section on Puget Sound coho.

Regulations to Achieve Objectives

In 2011, Interior Fraser coho were in the “low” status category, which required the total exploitation rate in SUS fisheries not to exceed 10.0 percent. This requirement constrained both Council area and inside fisheries. The preseason expectation was that the total SUS fishery exploitation rate on Interior Fraser coho would be 10.0 percent (4.1 percent in Council area fisheries). The mark-selective regulations in ocean and Puget Sound recreational fisheries served to increase harvest of marked hatchery fish while minimizing impacts on natural Interior Fraser coho.

Inside Harvest

Harvest of coho in inside waters affecting B.C. coho stocks occurred in Puget Sound fisheries, which were described in the previous section of this chapter.

Escapement and Management Performance

Postseason estimates of SUS inside harvest impacts on coho stocks subject to the PSC coho management plan were unavailable. Preseason expectations were for an exploitation rate of 6.0 percent for inside fisheries on Interior Fraser coho.

COASTWIDE GOAL ASSESSMENT SUMMARY

FMP Conservation objectives for Council managed coho stocks in effect during the preseason planning process of 2011 were met for all stocks with available estimates (Table III-5). Information to assess compliance with FMP conservation objectives and ESA consultation standards in 2011 was unavailable for Grays Harbor, Queets River, Hoh, and all Puget Sound coho stocks. In 2010, Hood Canal and Snohomish coho also failed to achieve their MSY spawning escapement objectives.

Stock Status Determinations

In 2011 the Council adopted new SDC for overfishing, overfished, not overfished/rebuilding, and rebuilt under FMP Amendment 16. These criteria, approved and implemented in December 2011, were:

- Overfishing occurs when a single year exploitation rate exceeds the MFMT (F_{MSY});
- Overfished status occurs when a 3-year geometric mean spawning escapement is less than the MSST;
- Not overfished/rebuilding status occurs when a stock has been classified as overfished and has not yet been rebuilt, and the most recent a 3-year geometric mean spawning escapement is greater than the MSST but less than S_{MSY} ;
- A stock is rebuilt when the most recent a 3-year geometric mean spawning escapement exceeds S_{MSY} .

All criteria rely on the most recent estimates available, which in some cases may be a year or more in the past because of incomplete broods or data availability. The above criteria for rebuilt status are the default criteria provided in the FMP; however, alternative criteria may be developed through a rebuilding plan if warranted by stock specific circumstances. While the Amendment 16 SDC may not have been in place for all stocks during the preseason process, all relevant stocks were evaluated relative to these new SDC as required by the FMP. Stock specific reference points and recent year estimates for relevant stocks are presented in Table III-6.

All relevant coho stocks that were assessed for compliance with SDC were not overfished and no coho stocks were subject to overfishing in the most recent year(s) assessed. The Strait of Juan de Fuca coho are classified as not overfished/rebuilding, and their status continued to improve in 2010 (Table III-6).

TABLE III-1. Estimated returns to Oregon coastal streams and lakes in thousands of adult coho.

| Year | Returns to Hatcheries | | | Winchester Dam | Number of OCN Spawners ^{a/} | | | Inside | Ocean |
|--------------------|-----------------------|--------|--------------------|---------------------------------------|--------------------------------------|--------|-------|----------------------------------|---|
| | Private | Public | STEP ^{b/} | Count ^{c/} (North Umpqua) | Lakes | Rivers | Total | Harvest Impacts ^{d/} | Escapement to Oregon Coast ^{a/} |
| 1970-75 | - | 22.8 | - | 0.4 | 14.9 | 40.3 | 55.2 | 20.5 | 98.8 |
| 1976 | - | 38.7 | - | 0.3 | 1.5 | 39.2 | 40.7 | 19.6 | 99.3 |
| 1977 | 4.2 | 6.5 | - | 0.4 | 5.8 | 13.7 | 19.5 | 13.5 | 44.1 |
| 1978 | 12.3 | 5.6 | - | 0.5 | 1.6 | 18.2 | 19.8 | 4.5 | 42.7 |
| 1979 | 49.2 | 22.2 | - | 0.4 | 6.6 | 38.4 | 45.0 | 1.5 | 118.3 |
| 1980 | 38.7 | 21.9 | - | 0.2 | 4.7 | 23.5 | 30.3 | 6.3 | 95.3 |
| 1981 | 117.8 | 21.2 | - | 0.1 | 2.5 | 25.5 | 32.6 | 9.9 | 177.0 |
| 1982 | 184.7 | 14.8 | - | 2.7 | 7.9 | 68.0 | 76.2 | 14.7 | 292.8 |
| 1983 | 133.9 | 9.5 | - | 1.2 | 3.4 | 18.9 | 22.7 | 6.8 | 173.7 |
| 1984 | 115.4 | 28.6 | - | 3.2 | 14.8 | 52.6 | 74.4 | 17.4 | 232.0 |
| 1985 | 332.0 | 15.8 | - | 4.0 | 7.6 | 65.3 | 73.9 | 15.7 | 440.3 |
| 1986 | 453.7 | 35.8 | 2.5 | 9.6 | 11.8 | 57.2 | 70.0 | 30.3 | 600.8 |
| 1987 | 119.3 | 12.3 | 0.2 | 2.1 | 4.2 | 25.3 | 30.1 | 7.7 | 171.1 |
| 1988 | 116.1 | 33.7 | 1.2 | 1.2 | 5.8 | 45.7 | 56.8 | 13.3 | 217.0 |
| 1989 | 46.9 | 37.3 | 1.2 | 3.0 | 4.8 | 40.6 | 46.4 | 15.1 | 148.9 |
| 1990 | 35.6 | 15.5 | 1.6 | 1.9 | 4.4 | 22.5 | 20.9 | 9.5 | 91.0 |
| 1991 | 35.1 | 39.6 | 4.9 | 3.9 | 7.2 | 38.1 | 45.3 | 31.5 | 160.3 |
| 1992 | - | 23.3 | 0.6 | 5.0 | 2.0 | 44.2 | 46.2 | 18.7 | 93.9 |
| 1993 | - | 20.2 | 2.0 | 2.3 | 10.1 | 56.1 | 66.3 | 13.3 | 104.1 |
| 1994 | - | 23.4 | 1.8 | 2.0 | 5.8 | 48.5 | 54.3 | 2.4 | 83.9 |
| 1995 | - | 25.2 | 0.4 | 2.7 | 11.2 | 57.3 | 68.6 | 3.6 | 100.4 |
| 1996 | - | 23.4 | 1.0 | 5.1 | 13.5 | 79.3 | 92.8 | 4.0 | 126.3 |
| 1997 | - | 17.7 | 0.2 | 2.2 | 8.6 | 31.6 | 40.2 | 4.3 | 64.6 |
| 1998 | - | 15.3 | 0.2 | 4.6 | 11.1 | 34.3 | 45.4 | 5.2 | 70.6 |
| 1999 | - | 13.3 | 0.4 | 3.3 | 13.4 | 51.2 | 64.7 | 2.8 | 84.5 |
| 2000 | - | 15.0 | 0.5 | 9.7 | 12.7 | 81.1 | 93.8 | 4.4 | 123.4 |
| 2001 | - | 37.4 | 1.4 | 16.0 | 19.7 | 185.2 | 204.9 | 10.1 | 269.8 |
| 2002 | - | 30.9 | 2.6 | 7.4 | 22.2 | 269.0 | 291.1 | 8.0 | 340.0 |
| 2003 | - | 15.9 | 3.6 | 10.7 | 16.7 | 235.3 | 252.0 | 6.8 | 289.0 |
| 2004 | - | 13.2 | 0.8 | 7.2 | 18.6 | 197.2 | 215.9 | 6.2 | 243.3 |
| 2005 | - | 10.0 | 0.3 | 8.9 | 14.7 | 164.6 | 179.4 | 6.1 | 204.6 |
| 2006 | - | 9.8 | 0.1 | 7.0 | 24.1 | 132.7 | 156.9 | 2.5 | 176.4 |
| 2007 | - | 3.6 | 0.0 | 2.7 | 9.0 | 71.4 | 80.4 | 1.3 | 88.0 |
| 2008 | - | 7.0 | 0.0 | 0.2 | 23.6 | 180.1 | 203.7 | 3.1 | 213.9 |
| 2009 | - | 6.1 | 0.0 | 0.7 | 17.3 | 265.3 | 282.7 | 7.4 | 296.9 |
| 2010 | - | 7.9 | 0.0 | 1.7 | 38.7 | 286.5 | 325.2 | 5.7 | 340.5 |
| 2011 ^{e/} | - | 4.6 | 0.0 | 0.2 | 20.4 | 295.3 | 315.7 | 12.1 | 332.6 |

a/ Does not include estimates for the southern OCN component (Rogue River). Spawner escapements to rivers prior to 1990 were estimated by a nonrandom standard index of streams north of the Rogue River. A total coastwide spawner escapement methodology based on stratified random sampling (SRS) was initiated in 1990 and used through 1997 and was implemented concurrently with the standard index methodology. The SRS methodology indicated that actual escapements were less than estimated by the standard rivers index. The spawner index data for years prior to 1990 have been recalibrated in this table to be comparable with the SRS estimates. Since 1998 a random site selection procedure based on the EPA's Environmental Monitoring and Assessment Program (EMAP) has been used.

b/ Oregon coastal Salmon Trout Enhancement Program (STEP) production from hatchery smolt rearing sites only.

c/ Natural and hatchery fish prior to 1990, marked fish only thereafter.

d/ Freshwater sport catch from ODFW salmon/steelhead angler catch record card information and represents only those coho greater than 24 inches total length through 1993, and those coho with a total length greater than 20 inches from 1994 on. Includes estimated mortality from hook-and-release..

e/ Preliminary.

TABLE III-2. Estimated weekly effort (in angler trips) and catches of Chinook and coho in the 2011 Buoy 10 recreational fisheries (all data are preliminary).^{a/}

| Week Number | Ending Date of Period | Angler Trips | Catch ^{b/} | | Catch Per Trip |
|-------------|-----------------------|--------------|---------------------|-------|----------------|
| | | | Chinook | Coho | |
| 32 | Aug.-7 | 1,120 | 81 | 7 | 0.08 |
| 33 | Aug.-14 | 3,533 | 549 | 34 | 0.17 |
| 34 | Aug.-21 | 12,334 | 4,309 | 1,123 | 0.44 |
| 35 | Aug.-28 | 19,862 | 5,689 | 2,460 | 0.41 |
| 36 | Sept.-4 | 5,160 | 84 | 1,213 | 0.25 |
| 37 | Sept.-11 | 3,137 | 17 | 1,291 | 0.42 |
| 38 | Sept.-18 | 2,423 | 163 | 1,292 | 0.60 |
| 39 | Sept.-25 | 1,648 | 27 | 190 | 0.13 |
| 40 | Oct.-2 | 192 | 0 | 4 | 0.02 |
| Total | | 49,409 | 10,919 | 7,614 | 0.38 |

a/ Includes boat-based and shore-based fisheries from the upstream boundary at the Tongue Point/Rocky Point line (2000), downstream to the Buoy 10 line including Clatsop Spit, the South Jetty of the Columbia River, and the North Jetty of the Columbia River after the ocean closed. Fishery was open August 1-28 for Chinook and marked coho, with the daily-bag-limit of two adult salmon, only one of which may be a Chinook. From August 29-September 15 the fishery was open for marked coho with the daily-bag-limit of two adult salmon, Chinook retention was not allowed. From September 16-December 31 the fishery was open for Chinook and marked coho, with the daily-bag-limit of two adult salmon.

b/ Includes adults and jacks as determined by CWT analysis.

TABLE III-3. Oregon production index (OPI) area coho harvest impacts, spawning, abundance, and exploitation rate estimates in thousands of fish.^{a/}

| Year or Avg. | Oregon and California Coastal Returns | | | | | | | Ocean | OCN Exploitation |
|--------------------|---------------------------------------|-------|-------------------------------------|----------------------------|-------------------------|---------|----------------|-----------------------------------|-----------------------------|
| | Ocean Fisheries ^{b/} | | Hatcheries and | | | Private | Columbia River | Exploitation Rate Based on OPI | Rate Based on Postseason |
| | Troll | Sport | Freshwater Harvest ^{c/} | OCN Spawners ^{d/} | Abundance ^{e/} | | | | |
| 1970-1975 | 1,629.6 | 558.4 | 45.8 | 55.2 | - | 460.4 | 2,749.3 | 0.80 | - |
| 1976-1980 | 1,253.6 | 555.0 | 31.2 | 31.1 | 26.1 | 263.3 | 2,154.2 | 0.83 | - |
| 1981-1985 | 451.2 | 274.0 | 37.2 | 56.0 | 176.8 | 305.3 | 1,328.6 | 0.60 | - |
| 1986 | 638.9 | 320.6 | 79.3 | 70.0 | 453.7 | 1,549.1 | 3,195.4 | 0.37 | 0.44 |
| 1987 | 468.2 | 296.2 | 45.1 | 30.1 | 119.3 | 316.5 | 1,272.4 | 0.83 | 0.65 |
| 1988 | 844.7 | 297.2 | 61.1 | 56.8 | 116.1 | 670.9 | 1,918.9 | 0.69 | 0.66 |
| 1989 | 645.1 | 425.5 | 61.1 | 46.4 | 46.9 | 709.0 | 2,176.5 | 0.52 | 0.62 |
| 1990 | 275.9 | 357.1 | 28.7 | 22.5 | 35.6 | 196.7 | 987.4 | 0.78 | 0.73 |
| 1991 | 448.4 | 469.9 | 77.8 | 38.1 | 35.1 | 955.1 | 2,040.4 | 0.48 | 0.64 |
| 1992 | 67.4 | 256.5 | 51.0 | 44.2 | - | 216.1 | 629.6 | 0.51 | 0.63 |
| 1993 | 13.1 | 140.8 | 38.6 | 56.1 | - | 114.2 | 315.9 | 0.49 | 0.40 |
| 1994 | 2.7 | 3.0 | 28.2 | 48.5 | - | 169.2 | 267.5 | 0.02 | 0.06 |
| 1995 | 5.4 | 43.5 | 37.5 | 57.3 | - | 74.8 | 204.1 | 0.24 | 0.11 |
| 1996 | 7.0 | 31.8 | 45.7 | 79.3 | - | 113.0 | 260.3 | 0.15 | 0.06 |
| 1997 | 5.5 | 22.4 | 26.9 | 31.6 | - | 149.1 | 230.5 | 0.12 | 0.09 |
| 1998 | 3.5 | 12.8 | 29.4 | 34.3 | - | 168.4 | 270.8 | 0.06 | 0.08 |
| 1999 | 3.6 | 36.5 | 22.6 | 51.2 | - | 274.1 | 432.0 | 0.09 | 0.07 |
| 2000 | 25.2 | 74.6 | 33.2 | 81.1 | - | 548.2 | 762.4 | 0.13 | 0.04 |
| 2001 | 38.1 | 216.8 | 75.8 | 185.2 | - | 1,108.3 | 1,673.2 | 0.15 | 0.04 |
| 2002 | 15.0 | 118.7 | 54.0 | 269.0 | - | 499.9 | 972.2 | 0.14 | 0.05 |
| 2003 | 28.8 | 252.4 | 45.1 | 235.3 | - | 677.7 | 1,266.9 | 0.22 | 0.08 |
| 2004 | 26.2 | 159.3 | 38.1 | 197.2 | - | 442.6 | 904.5 | 0.21 | 0.08 |
| 2005 | 10.5 | 58.2 | 42.8 | 164.6 | - | 341.0 | 629.9 | 0.11 | 0.04 |
| 2006 | 4.5 | 47.5 | 29.6 | 132.7 | - | 386.2 | 674.1 | 0.08 | 0.08 |
| 2007 | 26.2 | 128.5 | 10.9 | 71.4 | - | 336.9 | 631.3 | 0.25 | 0.12 |
| 2008 | 0.6 | 26.4 | 16.0 | 180.1 | - | 494.3 | 769.8 | 0.04 | 0.02 |
| 2009 | 27.7 | 201.2 | 16.7 | 265.3 | - | 729.8 | 1,341.3 | 0.17 | 0.07 |
| 2010 | 5.8 | 48.8 | 19.6 | 286.5 | - | 440.4 | 848.4 | 0.06 | 0.04 |
| 2011 ^{g/} | 4.2 | 54.7 | 19.3 | 295.3 | - | 352.0 | 760.7 | 0.08 | 0.08 |

a/ The OPI area includes ocean and inside harvest impacts and escapement to streams and lakes south of Leadbetter Pt., Washington.

b/ Includes estimated nonretention mortality: troll fishery--hook-and-release mortality for 1982-2005 and drop-off mortality for all years; sport fishery--hook-and-release mortality for 1994-2005 and drop-off mortality for all years.

c/ Includes returns from Salmon-Trout Enhancement Program (STEP) smolt releases through the 2007 return year, after which the program was terminated.

d/ Includes Rogue River.

e/ FRAM post season runs used after 1985 and includes OPI origin stock catches in all fisheries.

f/ Ocean fishery impacts on private hatchery stock and returns to private hatcheries are excluded in calculating the OPI area stock aggregate ocean exploitation rate index.

g/ Preliminary.

TABLE III-4. Oregon Coast Natural adult coho salmon conservation objective, fishery impacts, and spawner escapement.

| Year | Fishery Impact (Total Marine and Freshwater Exploitation Rate) | | | Adjusted SRS Adult Coho Spawner Population Estimates in Thousands of Spawners by Stock Component ^{a/} | | | | | Adult Coho Spawners Per Spawner Habitat Mile | | | | |
|--------------------|--|----------------------|-----------------------------------|--|-----------------------|-----------------------|------------------------|-----------|--|-----------------------|-----------------------|------------------------|-------------------|
| | Conservation Objective ^{b/} | Preseason Projection | Postseason Estimate ^{c/} | Northern ^{d/} | North | South | Southern ^{g/} | Coastwide | Northern ^{d/} | North | South | Southern ^{g/} | Coastwide Average |
| | | | | | Central ^{e/} | Central ^{f/} | | | | Central ^{e/} | Central ^{f/} | | |
| 1990 | - | - | - | 2.2 | 5.6 | 13.5 | 1.2 | 22.5 | 2 | 5 | 8 | 3 | 6 |
| 1991 | - | 0.460 | 0.454 | 9.3 | 6.7 | 21.6 | 0.5 | 38.1 | 10 | 6 | 13 | 1 | 9 |
| 1992 | - | 0.420 | 0.511 | 2.4 | 15.4 | 24.4 | 2.0 | 44.2 | 3 | 13 | 15 | 5 | 11 |
| 1993 | - | 0.260 | 0.423 | 4.5 | 7.8 | 43.1 | 0.8 ^{h/} | 55.7 | 5 | 7 | 27 | 1 ^{h/} | 14 |
| 1994 | ≤0.20 | 0.111 | 0.068 | 3.5 | 9.8 | 30.9 | 4.3 | 48.5 | 4 | 8 | 19 | 11 | 12 |
| 1995 | ≤0.20 | 0.118 | 0.124 | 3.9 | 13.6 | 36.5 | 3.4 | 57.3 | 4 | 12 | 22 | 8 | 14 |
| 1996 | ≤0.20 | 0.125 | 0.083 | 3.3 | 18.1 | 52.6 | 5.2 | 79.3 | 4 | 16 | 32 | 13 | 19 |
| 1997 | ≤0.20 | 0.110 | 0.124 | 2.1 | 2.8 | 18.4 | 8.2 | 31.6 | 2 | 2 | 11 | 20 | 8 |
| 1998 | ≤0.13 | 0.119 | 0.078 | 2.6 | 3.3 | 26.1 | 2.3 | 34.3 | 3 | 3 | 16 | 6 | 8 |
| 1999 | ≤0.15 | 0.087 | 0.076 | 8.9 | 11.8 | 29.2 | 1.4 | 51.2 | 10 | 10 | 18 | 3 | 13 |
| 2000 | ≤0.15 | 0.082 | 0.073 | 17.9 | 14.3 | 37.9 | 11.0 | 81.1 | 20 | 12 | 23 | 27 | 20 |
| 2001 | ≤0.08 | 0.074 | 0.074 | 33.5 | 25.2 | 113.9 | 12.6 | 185.2 | 37 | 22 | 70 | 31 | 45 |
| 2002 | ≤0.15 | 0.123 | 0.123 | 52.5 | 104.0 | 104.1 | 8.4 | 269.0 | 58 | 89 | 64 | 20 | 66 |
| 2003 | ≤0.15 | 0.144 | 0.144 | 59.6 | 68.9 | 100.1 | 6.8 | 235.3 | 66 | 59 | 62 | 16 | 57 |
| 2004 | ≤0.15 | 0.147 | 0.147 | 28.8 | 42.1 | 101.9 | 24.5 | 197.2 | 32 | 36 | 63 | 60 | 48 |
| 2005 | ≤0.15 ^{j/} | 0.111 | 0.111 | 16.5 | 51.4 | 86.7 | 10.0 | 164.6 | 18 | 44 | 53 | 24 | 40 |
| 2006 | ≤0.15 ^{j/} | 0.096 | 0.059 | 24.1 | 21.2 | 83.5 | 3.9 | 132.8 | 27 | 18 | 51 | 10 | 32 |
| 2007 | ≤0.20 | 0.113 | 0.109 | 17.5 | 12.3 | 36.5 | 5.2 | 71.5 | 19 | 11 | 22 | 13 | 17 |
| 2008 | ≤0.08 | 0.069 | 0.020 | 25.6 | 68.1 | 86.0 | 0.4 | 180.1 | 28 | 59 | 53 | 1 | 44 |
| 2009 | ≤0.15 | 0.130 | 0.109 | 48.1 | 86.4 | 128.2 | 2.6 | 265.3 | 54 | 74 | 79 | 6 | 65 |
| 2010 | ≤0.15 | 0.112 | 0.048 | 55.0 | 56.5 | 171.9 | 3.1 | 286.5 | 61 | 49 | 106 | 7 | 70 |
| 2011 ^{j/} | ≤0.15 | 0.132 | 0.075 | 47.8 | 105.0 | 138.6 | 3.9 | 295.3 | 53 | 90 | 85 | 10 | 72 |

a/ A spawner escapement methodology study based on SRS had been in effect from 1990 to 1997 in which coho salmon population estimates have been made for Oregon coastal river systems from the Sixes River and north. Since 1998 a random site selection procedure based on the EPA's Environmental Monitoring and Assessment Program (EMAP) has been used. Spawner population estimates include an adjustment for observation error.

b/ Prior to 1994, the conservation objective was expressed in terms of the total escapement of OCN spawners in index numbers rather than as an exploitation rate. The index escapement objectives from 1981 through 1993 are provided in Table III-2 of the Review of 1998 Ocean Salmon Fisheries and Table 1 of Amendment 11. From 1994 through 1997, Amendment 11 specified that at low stock sizes, only incidental harvest of OCN coho could occur and that impacts could not exceed 20%. Beginning in 1998, the OCN conservation objective has been as specified in Amendment 13 which is also the basis for the NMFS jeopardy standards under the Endangered Species Act listing.

c/ From the coho FRAM, except the estimates prior to 1994 represent the OPI composite exploitation rate for hatchery and natural stocks.

d/ Estimate based on 899 miles of spawner habitat within Nehalem, Tillamook, and Nestucca Rivers and other direct ocean tributaries from Necanicum River through Neskowin Creek.

e/ Estimate based on 1,163 miles of spawner habitat within Siletz, Yaquina, Alsea, and Siuslaw Rivers and other direct ocean tributaries from the Salmon through Siuslaw Rivers.

f/ Estimate based on 1,622 miles of spawner habitat within Umpqua, Coos, and Coquille Rivers. Also includes spawners using tributaries to Siltcoos, Tahkenitch, and Tenmile Lakes.

g/ Estimate based on a mark-recapture methodology and 410 miles of spawner habitat within the Rogue River.

h/ Unreliable estimate.

i/ The Salmon FMP specified an allowable marine and freshwater exploitation rate of 20%, however, the OCN workgroup matrix specified 15% and the Council chose to manage at the more conservative level for 2005 and 2006.

j/ Preliminary.

TABLE III-5. Performance of coho salmon stocks in relation to 2011 preseason conservation objectives (preliminary data).
(Page 1 of 2)

| System and Stock | 2011 FMP Conservation Objective | Achievement |
|---|---|--|
| OPI Area Coho | | |
| (Columbia River and coastal stocks south of Leadbetter Point) | Natural spawner escapement objectives as provided below; meet hatchery egg-take goals; meet treaty Indian obligations. | Hatchery egg-take goals achieved. No information available on catch allocation. |
| Northern California (Threatened) and CCC (Endangered) | No directed coho fisheries or retention of coho south of the OR/CA border. Marine exploitation rate \leq 13.0% as indicated by R/K hatchery stocks. | No fisheries south of the California/Oregon border. Preliminary postseason estimate of 3.8%. |
| OCN | Combined marine and freshwater exploitation rate \leq 15.0%. | Preliminary post-season estimate of 6.5%. |
| Columbia River Natural (Threatened) | Combined marine and mainstem Columbia River exploitation rate \leq 15.0%. | A postseason estimate of mainstem Columbia River fishery exploitation was unavailable. Preliminary postseason estimate of 5.8% in marine fisheries was less than the preseason expectation of 10.6%. |
| Washington Coast Coho | | |
| | Natural spawner escapement objectives as provided below and in state/tribal agreements; meet hatchery egg-take goals; meet treaty Indian obligations. | Hatchery egg-take goals achieved. No information available on catch allocation. |
| Grays Harbor | 35,400 natural adult spawners. | Escapement estimate was unavailable; pre-season projection was 81,400 ocean escapement. |
| Queets | 5,800 to 14,500 natural adult spawners. | Escapement estimate was unavailable; pre-season projection was 10,500 ocean escapement |
| Hoh | 2,000 to 5,000 natural adult spawners. | Escapement estimate was unavailable; pre-season projection was 10,000 ocean escapement |
| Quillayute Fall | 6,300 to 15,800 natural adult spawners. | Preliminary postseason escapement estimates was 9,512. |

TABLE III-5. Performance of coho salmon stocks in relation to 2011 preseason conservation objectives (preliminary data).
(Page 2 of 2)

| System and Stock | 2011 FMP Conservation Objective | Achievement |
|-------------------------|--|--|
| Puget Sound Coho | Stepped exploitation rate objectives; meet hatchery egg-take goals; meet treaty Indian obligations and inside non-Indian fishery needs for six management units. | Data not available for 2011 natural spawner escapements. Hatchery egg-take goals likely will be met. |
| Strait of Juan de Fuca | ≤40% total exploitation rate. | Preseason expectation of an 11% total exploitation rate; postseason estimate unavailable. |
| Hood Canal | ≤65% total exploitation rate. | Preseason expectation of a 40% total exploitation rate; postseason estimate unavailable. |
| Skagit | ≤60% total exploitation rate. | Preseason expectation of a 35% total exploitation rate; postseason estimate unavailable. |
| Stillaguamish | ≤50% total exploitation rate. | Preseason expectation of a 26% total exploitation rate; postseason estimate unavailable. |
| Snohomish | ≤60% total exploitation rate. | Preseason expectation of a 26% total exploitation rate; postseason estimate unavailable. |

TABLE III-6. Coho stock status relative to overfished and overfishing criteria. A stock is overfished if the 3-year geometric mean spawning escapement is less than the minimum stock size threshold (MSST); a stock experiences overfishing if the total annual exploitation rate exceeds the maximum fishing mortality threshold (MFMT).

| Coho Stock | Spawning Escapement | | | | | 3-yr Geo Mean | MSST | S _{MSY} | Total Exploitation Rate | | | | | MFMT |
|-----------------|---------------------|--------|--------|---------|-------|------------------|--------|------------------|-------------------------|-----------|-----------|-----------|-----------|-------|
| | 2007 | 2008 | 2009 | 2010 | 2011 | | | | 2007 | 2008 | 2009 | 2010 | 2011 | |
| Willapa Bay | 18,009 | 16,419 | 47,333 | 77,784 | NA | 39,246 | Undef | Undef | NA | NA | NA | NA | NA | Undef |
| Grays Harbor | 25,121 | 34,054 | 69,222 | 102,237 | NA | 62,231 | 18,320 | 24,426 | 0.31 | 0.31 | 0.33 | NA | NA | 0.65 |
| Queets | 4,680 | 4,629 | 9,404 | 11,261 | NA | 7,885 | 4,350 | 5,800 | 0.35 | 0.37 | 0.43 | NA | NA | 0.65 |
| Hoh | 3,072 | 2,461 | 6,595 | 7,864 | NA | 5,035 | 1,890 | 2,520 | 0.48 | 0.43 | 0.52 | NA | NA | 0.65 |
| Quillayute Fall | 6,947 | 6,252 | 7,863 | 9,837 | 9,512 | 9,028 | 4,725 | 6,300 | 0.42 | 0.37 | 0.50 | NA | NA | Undef |
| Juan de Fuca | 8,045 | 3,339 | 14,957 | 19,282 | NA | 9,875 | 7,000 | 11,000 | 0.21 | 0.13 | 0.30 | NA | NA | 0.60 |
| Hood Canal | 46,658 | 11,756 | 26,927 | 4,697 | NA | 11,414 | 10,750 | 14,350 | 0.52 | 0.63 | 0.59 | NA | NA | 0.65 |
| Skagit | 51,972 | 24,093 | 60,798 | 31,090 | NA | 35,711 | 14,875 | 25,000 | 0.37 | 0.32 | 0.31 | NA | NA | 0.60 |
| Stillaguamish | 38,732 | 12,938 | 22,179 | 15,172 | NA | 16,329 | 6,100 | 10,000 | 0.25 | 0.23 | 0.28 | NA | NA | 0.50 |
| Snohomish | 117,736 | 36,015 | 98,945 | 49,100 | NA | 55,931 | 31,000 | 50,000 | 0.25 | 0.28 | 0.26 | NA | NA | 0.60 |

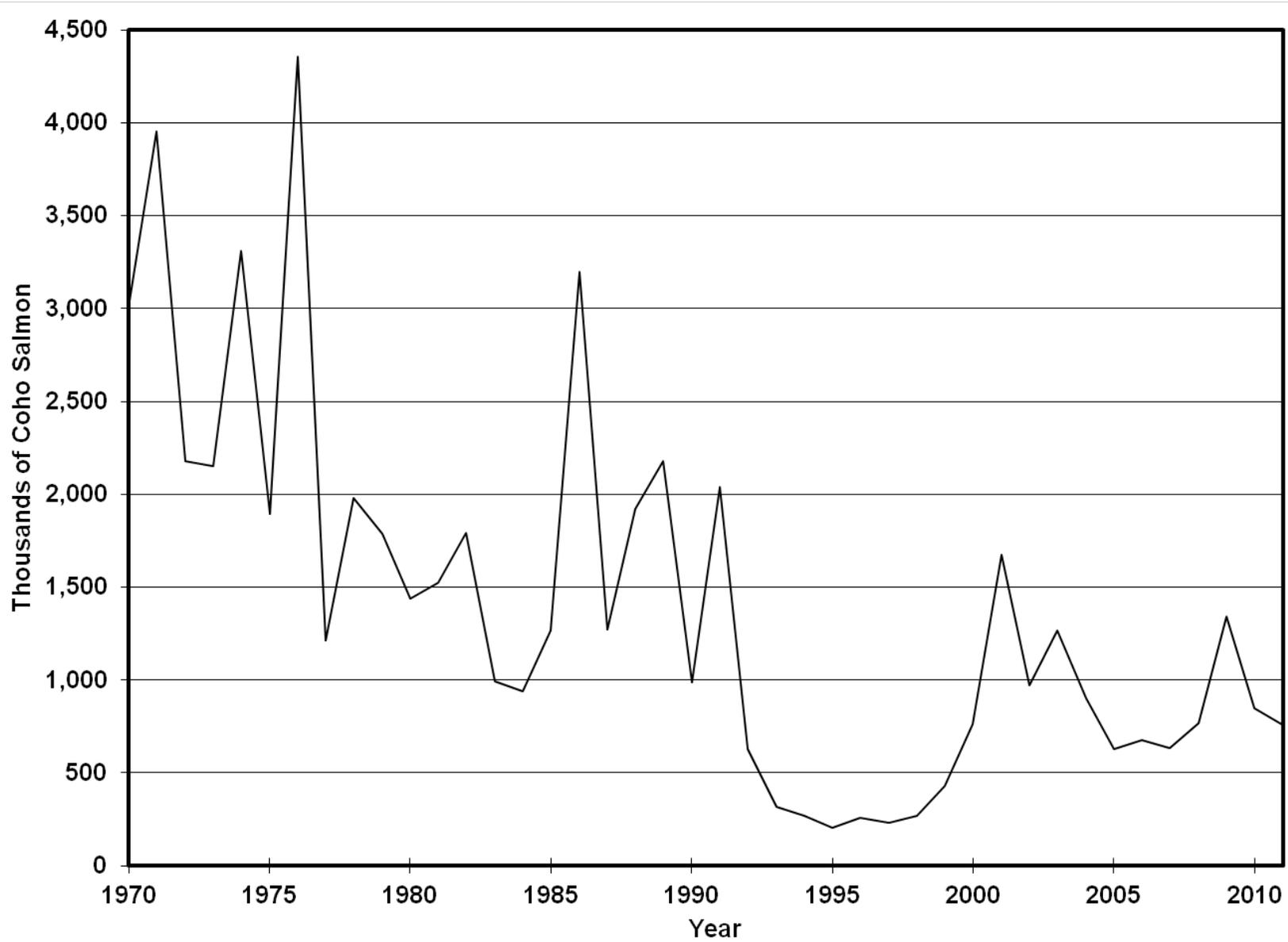


Figure III-1. Oregon Production Index (OPI) area coho abundance estimates by stratified random surveys (SRS) accounting methods, 1970-2011.

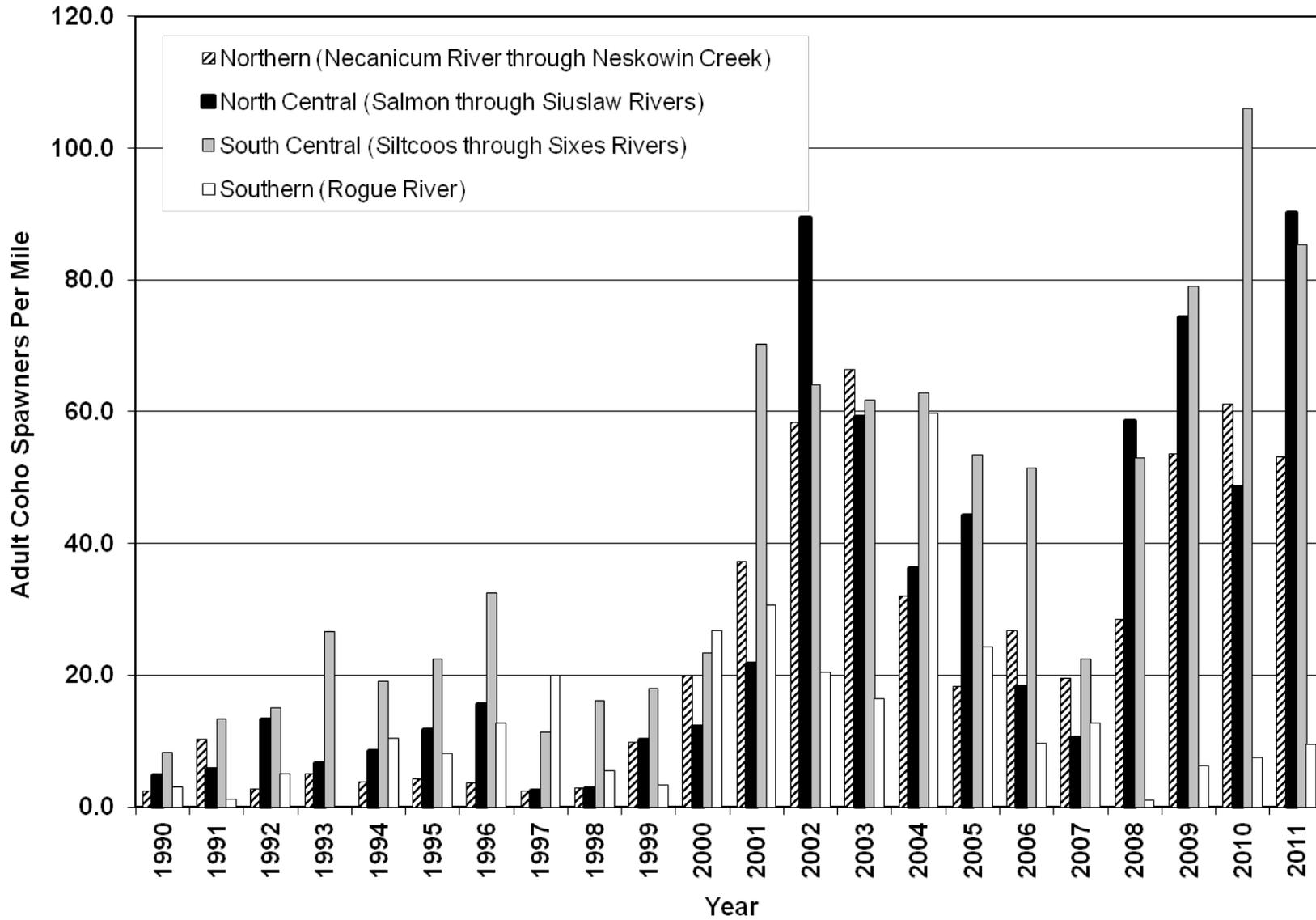


Figure III-2. Oregon coastal natural (OCN) adult coho spawners per habitat mile by coastal region based on SRS accounting methods, 1990-2011.

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CHAPTER IV

SOCIOECONOMIC ASSESSMENT OF THE 2011 OCEAN SALMON FISHERIES

SUMMARY: Total 2011 exvessel value of the Council-managed non-Indian commercial salmon fishery was \$9.2 million, the highest total since an inflation-adjusted \$12.5 million in 2007, largely thanks to California's best commercial salmon fishery since that year. The exvessel value of the commercial fishery in 2011 was 41 percent above the 2006-2010 inflation-adjusted average of \$6.5 million, and 85 percent below the 1979 through 1990 inflation-adjusted average of \$60.7 million. The coastwide average exvessel price for Chinook in 2011 was \$5.35 per pound; six percent below last year's inflation-adjusted average. At \$2.09 per pound, average 2011 West Coast coho prices were 6 percent lower than last year's inflation-adjusted average. The preliminary number of vessel-based ocean salmon recreational angler trips taken on the West Coast in 2011 was 211,200, an increase of sixteen percent from last year, but 65 percent below the 1979 through 1990 average. Total West Coast income impacts associated with recreational and commercial ocean salmon fisheries for all three states combined in 2011 were estimated at \$31.9 million, the highest level since \$41.8 million (adjusted for inflation) in 2007. Total income impacts in 2011 were 22 percent above the prior year's inflation-adjusted level of \$26.1 million, but still the fourth lowest on record. The first, second and third lowest income impacts on record (adjusted for inflation) were recorded in 2008 (\$7.5 million), 2009 (\$17.9 million), and 2010 (\$26.1 million), respectively.

ALLOCATION OF THE SALMON RESOURCE

Salmon management by the Council involves numerous allocation issues including:

- Determining the amount of salmon available for ocean harvest after considering expected abundances, harvests by inside fisheries, and spawning escapement goals.
- Allocating harvest among broad management areas and among port areas within the management areas.
- Allocating harvest between Indian and non-Indian harvesters.
- Allocating the non-Indian harvest between commercial and recreational harvesters.

The amount of salmon available for harvest in Council management areas depends, in part, on harvest in Canada and Alaska. Allocation of harvest between the West Coast, Canada, and Alaska is determined within the constraints of the PST.

In general, the recreational fishery has tended to have a more stable harvest than the commercial fishery (in both absolute and relative terms) (Figures IV-1 and IV-2). The majority of the annual variation in available ocean harvest is usually taken up in the commercial fishery. However, both fisheries have suffered substantial declines relative to harvest levels of the 1980s, the effects of which are amplified within specific geographic areas.

Decisions on allowable harvests for a particular stock often have implicit allocation effects on the geographic distribution of salmon harvest. Seasons may be more restrictive along a particular area of the coast to protect a depressed stock encountered in that area at a higher rate than other areas. The geographic distribution of harvest opportunity along the coast involves balancing the often conflicting objectives of maximizing ocean harvest and fairly distributing the responsibility for resource conservation. A brief outline of the regulatory objectives which shaped the 2011 season is provided in Chapter I; and an assessment of success in meeting the objectives is provided in Chapters II and III.

COMMERCIAL SALMON FISHERIES

West Coast Non-Indian Commercial Ocean Fishery

In-season Price Trends

Monthly exvessel price data provide information on seasonal price trends (Table IV-1). Coastwide average exvessel prices for Chinook and coho in 2011 were \$5.35 and \$2.09 per pound, respectively. California Chinook prices were at their highest in October, averaging more than \$6.80 per pound. Oregon Chinook prices were at their highest in April, averaging \$6.83 per pound. Washington average Chinook prices were also highest in April at \$5.96 per pound. California and Washington average Chinook prices were at their lowest in August, and Oregon average Chinook prices were lowest in July.. For the season, exvessel Chinook prices in Washington, Oregon and California averaged \$5.17, \$5.96 and \$5.12 per pound, respectively. Coho prices in Washington and Oregon averaged \$2.10 and \$2.01 per pound, respectively.

Annual Trends (Seasons, Value, Prices, and Pounds)

Available information on Chinook and coho exvessel price and value by species, compiled from state fish receiving tickets and expressed both in nominal terms and inflation-adjusted 2011 dollars, is presented in Tables IV-2, IV-3, and IV-4. Data on pink salmon are provided in Table IV-5. The gross domestic product implicit price deflator, developed by the Bureau of Economic Analysis, was used to adjust nominal values for inflation (Appendix D, Table D-22). Weights of landings by species and port for Chinook and coho are presented in Tables IV-6, IV-7 and IV-8. These tables and the following discussion describe the non-Indian commercial fishery in Council management areas and associated state territorial ocean area waters.

Total 2011 exvessel value of the Council-managed non-Indian commercial salmon fishery was \$9.2 million, an increase of 26 percent over the prior year (adjusted for inflation). Exvessel value was nearly six times above its 2009 level (\$1.6 million) and 85 percent lower than the 1979 through 1990 inflation-adjusted average of \$60.7 million (including pinks), and 41 percent above the recent five-year (2006-2010) inflation-adjusted average of \$6.5 million.

After enjoying its first commercial salmon fishery in three years in 2010 (although still heavily constrained by SRFC management objectives), in 2011 California achieved \$5.1 million in exvessel landings value of Chinook. While greatly exceeding the California commercial ocean salmon catch of \$1.3 million (inflation-adjusted) in 2010, it was still well below both the inflation-adjusted \$8.4 million landed in 2007 and the 1979-2010 inflation-adjusted average of \$17.6 million.

The 2011 exvessel value for the Oregon commercial catch of Chinook and coho of \$2.4 million was the second-highest level since 2007 and 23 percent above the 2006-2010 inflation adjusted average. Still the 2011 harvest was down by an inflation-adjusted 16 percent from the prior year, and 88 percent below the 1979-1990 inflation-adjusted average of \$19.1 million.

The 2011 exvessel value of the Washington non-Indian ocean commercial catch of Chinook and coho of \$1.7 million was down 47 percent from last year's inflation-adjusted value of \$3.2 million. The average inflation-adjusted exvessel value of commercial landings in Washington of \$2 million over the past three years (2009-2011) is higher in inflation-adjusted terms than in any year since 1990, largely thanks to the relatively high value of landings last year. However the 2009-2011 average is still 76 percent below the 1979 through 1990 inflation-adjusted average of \$8.6 million.

The 2011 average West Coast ocean harvest Chinook price of \$5.35 per pound is the fourth highest in nominal terms reported since 1979, but trending lower from \$6.96, \$5.70 and \$5.54 per pound reported in 2008, 2009 and 2010, respectively. Adjusted for inflation, the average Chinook price over the last six years (2006 through 2011) was \$5.91 per pound. Chinook prices have not been this high since 1979, when the average inflation-adjusted price was \$6.87 per pound. One of the main reasons prices have been high in recent years is due to the relatively restricted fishing opportunities (see Chapter I and Appendix C for details). Although the 2011 Chinook price was 11 percent below the recent five year (2006-2010) average of \$6.02 in inflation-adjusted terms, it was 11 percent above the 1979-1990 average of \$4.82, and 33 percent above the 1979-2010 average of \$4.03. At \$2.09 per pound, 2011 average West Coast coho prices were down six percent from last year in inflation-adjusted terms, one percent lower than two years ago, and 33 percent lower than the 1979-1990 inflation-adjusted average.

In terms of numbers of fish, the 2011 coastwide, non-Indian commercial Chinook harvest of 128,600 fish represents an increase of 29 percent over last year (Figure IV-1). The number of Chinook harvested in 2011 was 81 percent below the 1976-2010 long-term average of 673,700. Historically, the 2008, 2009 and 2010 Chinook harvests were the first, second and third lowest, respectively, on record. In 2011 the coastwide average weight per Chinook (13.3 pounds) was five percent higher than in the prior two years (12.7 pounds in 2010 and 12.6 pounds in 2009) and three percent above the previous five years' (2006-2010) average weight (Appendix D Tables D-1, D-2, and D-3).

Non-Indian commercial Coho catch in 2011 was 3,500 fish coastwide, an increase of 12 percent over the prior year and 64 percent above the 2008 catch (2,100), but 92 percent below the 2009 coho harvest level (42,000). The coastwide average weight per coho (5.6 pounds) was the lowest since 1999 (5.3 pounds), 20 percent lower than the prior year (7 pounds) and similar to the long-term average (1979-2010) of 5.6 pounds. The highest average weights during that period were 8.5 pounds in 2006 and 8.4 pounds in 2008. Coastwide coho exvessel value was \$41,000 in 2011, 17 percent lower than the inflation-adjusted value the prior year (\$49,000), and a decrease of 93 percent from \$561,000 (inflation-adjusted) recorded in 2009 (Figure IV-4).

West Coast ports with the most Chinook landings (by weight) in 2011 were Fort Bragg (36 percent), Coos Bay (13.5 percent) and San Francisco (12.5 percent). By comparison, in 2010, Westport (32 percent), Fort Bragg (14.8 percent) and Newport (14.7 percent) were the leading ports. In 2011, areas north of Cape Falcon accounted for only about 21 percent of coastwide Chinook harvest by weight, compared with 51 percent in 2010, 95 percent in 2009 and 84 percent in 2008.

Compared with last year, Chinook harvest by weight in 2011 was up four-fold in California but down by 21 percent in Oregon and nearly 40 percent in Washington. Compared with last year, the 2011 Coho harvest by weight was down nearly 63 percent in Oregon, but up nearly 15 percent in Washington. Commercial harvest of coho in California has been prohibited since 1992.

Ocean Commercial Salmon Harvesters

Based on Pacific Coast Fisheries Information Network (PacFIN) data, a total of 802 vessels participated in the West Coast commercial salmon fishery in 2011. This is 25 percent more than participated in 2010 (642), two-and-a-half times the number that participated in 2009 (313), and three-and-a-half times the number participating in 2008 (221). However the 2011 total was 20 percent below 2007's total of 1,107 vessels. Note that these coastwide vessel counts are lower than the totals derived from summing Appendix D state-level tables (Tables D-4, D-5, and D-6) because vessels may be counted in more than one state and because of differences in the degree of completeness at the time the data were summarized for this report.

In 2011, 462 vessels made salmon landings in California compared with 215 vessels in 2010 and zero vessels in 2008 and 2009. In 2007, there were 601 vessels active in California (Table D-4). In Oregon, the active fleet decreased by 68 vessels in 2011, to 302 vessels compared to 370 vessels the prior year (Table D-5). The number of active vessels in Washington decreased from 116 vessels last year to 112 vessels in 2011 (Table D-6). Coastwide, the number of limited entry salmon permits issued in 2011 decreased by 18 from the previous year to 2,551. Landings were made on 34 percent of all permits in 2011, up from 27 percent in 2010, 13 percent in 2009 and nine percent in 2008. Years 2008 and 2009 are the two lowest vessel participation years on record (1982-2011). From 1982 to 1993 an average of 5,193 of 7,942 total permits (65 percent) were used on an annual basis. Harvest opportunity began declining substantially after that time, and some permits were subsequently purchased in a buyback program.

In 2011, the coastwide average per vessel, inflation-adjusted exvessel value of salmon landings increased slightly compared to 2010, to \$10,500 per vessel. Compared to last year, 2011 average per vessel exvessel revenue was up 87 percent in California, and 3 percent in Oregon, but down 45 percent in Washington. Some caution needs to be exercised in interpreting average per vessel exvessel revenue. For example, the averages may be influenced as much by a disproportionate change in the number of small or large harvesters from one year to the next as by a change in the average revenues of those vessels remaining in the fishery.

Additional historical information on landings by vessel size, percentages of the fleet responsible for the majority of harvest, and harvest by residence of those participating in the fisheries off each state is provided in Appendix D.

West Coast Treaty Indian Commercial Ocean Fishery

Treaty Indian commercial fisheries off Washington operate under regulations established by the Council. While some of the treaty Indian harvest is for ceremonial and subsistence purposes, the vast majority of the catch is sold commercially. Commercial treaty Indian fisheries provide food to consumers and generate income in local and state economies through expenditures on harvesting, processing, and marketing of the catch. In 2011 the treaty Indian ocean troll fishery harvested 34,500 Chinook (380,300 pounds) and 13,600 coho (77,600 pounds), compared with 34,200 Chinook (298,500 pounds) and 11,400 coho (80,000 pounds) in 2010, and 12,800 Chinook (103,700 pounds) and 60,600 coho (345,800 pounds) in 2009 (Tables A-15 and D-3). For 2011 the preliminary exvessel value of Chinook and coho landed in the treaty Indian ocean troll fishery was \$1.7 million, compared with inflation-adjusted exvessel values of \$1.37 million in 2010 and \$1.0 million in 2009 (values based on PacFIN data).

Columbia River Commercial Fishery

Harvest in the ocean salmon fisheries impacts the inriver fisheries by affecting the number of fish available for inside treaty Indian and non-Indian commercial harvest. Table IV-9 shows the exvessel value of Columbia River treaty Indian and non-Indian commercial harvest of Chinook, coho and chum salmon. All prices and values in the table and the following discussion are reported in inflation-adjusted dollars. Exvessel prices for inriver catches of Chinook vary considerably with race (spring versus fall Chinook) and stock (tules versus brights). Spring Chinook generally bring the highest prices, and tule fall Chinook and chum the lowest prices.

Total 2011 exvessel value of treaty Indian and non-Indian commercial salmon harvested in the Columbia River was \$10.4 million. This was 2 percent above the 2010 level of \$10.2 million and 73 percent above the inflation-adjusted 2009 level of \$6.0 million. Total exvessel value for non-Indian commercial salmon harvested in the Columbia River in 2011 was \$4.8 million compared with inflation-adjusted \$5.2 million in 2010 and \$3.7 million recorded in both 2008 and 2009 (Table IV-9).

Total 2011 exvessel value of treaty Indian salmon harvested in the Columbia River and sold on fish tickets was \$5.6 million. This is twelve percent above the inflation-adjusted level in 2010 of \$5.0 million and nearly two-and-a-half times the 2009 value of \$2.3 million. Note that these values include only those sales made to licensed fish buyers. Treaty Indian fisher sales to the public are accounted for in harvest monitoring reports (Table B-20), but estimates of the pounds and value of such sales are not included in Table IV-9.

Puget Sound and Washington Coastal Inside Fisheries

Information on 2011 Puget Sound and Washington coastal inside fisheries is preliminary. Based on PacFIN data, the 2011 exvessel value reported for all salmon species taken in the commercial non-Indian fisheries in Puget Sound and Washington coastal inside fisheries (excluding the Columbia River) was \$12.2 million. Of this, \$2.1 million were Chinook and coho. In 2010, the total inflation-adjusted exvessel value of the commercial non-Indian salmon fisheries in these areas was \$11 million for all salmon species, of which \$1.2 million were Chinook and coho. The 1981 through 2010 inflation-adjusted annual average exvessel value was \$17.5 million, of which on average approximately \$4.3 million were Chinook and coho.

The preliminary 2011 exvessel value reported to PacFIN (as of January 20, 2012) for all salmon species taken in the commercial treaty Indian fisheries in Puget Sound and Washington coastal inside fisheries (excluding the Columbia River) was \$15.9 million. Of this, \$6.9 million were Chinook and coho. In previous years, substantial additional landing reports have come in after publication of this review. The updated value for 2010 is \$18.8 million for all salmon species, of which \$5.6 million were Chinook and coho (inflation-adjusted). The 1981 through 2009 inflation-adjusted annual average exvessel value is \$22.2 million, of which on average \$8.3 million were Chinook and coho.

Klamath River Fisheries

Commercial sales in the Yurok and Hoopa Valley Reservation Indian fall gillnet fisheries in the Klamath River occurred in 1987-1989, 1996, 1999-2004, and 2007-2011. Average commercial catch of fall Chinook was about 17,200 in those years, most of which occurred in the estuary. Commercial sales also occurred in spring gillnet fisheries in 1989, 1996, 2000-2004, and 2007-2011, with an annual average of about 1,200 fish sold. The 1989 harvest of 27,700 Chinook was sold for \$852,000 (\$1.4 million adjusted to 2011 dollars) and had an average weight per fish of 15.4 pounds. In 1996 3,129 spring Chinook and 40,147 fall Chinook were harvested, the value at first sale was estimated at \$525,000 (\$717,000 adjusted to 2011 dollars). The average weight per fish landed in 1996 was 13.5 pounds. Records were not available for the weight and value of harvests after 1996 as each Indian fisher now markets their fish independently. The fishery has occurred in most recent years with the exception of 2005 and 2006. The commercial fall Chinook harvest was approximately 15,600 Chinook in 2011, compared to 15,300 fall Chinook in 2009. Spring Chinook commercial harvest was 33 fish in 2011 compared with 259 spring Chinook in 2010 (Appendix B, Table B-5).

CEREMONIAL AND SUBSISTENCE SALMON FISHERIES

In addition to the commercial Indian fisheries discussed above, fish are taken in Indian fisheries each year for ceremonial and subsistence purposes. Estimates of the amount of salmon used for ceremonial and subsistence purposes are documented in Appendix B. Discussion of the importance of ceremonial and subsistence fish to Indian communities is presented in Appendix B to Amendment 14 of the salmon FMP.

RECREATIONAL SALMON FISHERIES

Ocean

The preliminary number of vessel-based ocean salmon recreational angler trips taken on the West Coast in 2011 was 211,200, an increase of 16 percent over 2010, and 12 percent over the 2009 level, but 65 percent below the 1979 through 1990 annual average. Compared with 2010, the preliminary estimates of the number of trips taken in 2011 decreased by 9 percent in Oregon and 12 percent in Washington. California effort was up 87 percent compared with last year; however it was still only about half the long-term average level over 1979-2010. (Note that Washington effort estimates shown in Tables IV-10 and IV-13 differ from those in Tables I-4 and Appendix A Table A-17 because the former exclude bank effort from the Columbia River north jetty.)

Recreational salmon fishing takes place primarily in two modes: (1) anglers fishing from privately owned pleasure craft, and (2) anglers employing the services of charter vessels. In general, success rates on charter vessels tend to be higher than success rates on private vessels. Small amounts of shore-based effort directed toward ocean area salmon also occur from jetties and piers. Coastwide, the proportion of angler trips taken on charter vessels in 2011 increased slightly to 27 percent compared with 25 percent of trips in 2010 and 23 percent in 2009. Underlying this coastwide trend was a 29 percent increase in the proportion of charter trips in Oregon, a 13 percent increase in California and a 5 percent decrease in Washington. Figure IV-5 and Tables IV-10, IV-11, IV-12, and IV-13 display details of effort and catch by port area and mode for each state.

California

The number of ocean recreational salmon trips in California in 2011 was the highest number in any year since 2007. The number of salmon trips was higher in all areas in 2011 than in the prior year: more than triple the prior year's total in Crescent City and Eureka; more than double the prior year in Fort Bragg; and up 50 percent or more in San Francisco and Monterey. A total of 49,000 Chinook were caught in California on a total of 91,100 trips, for a success rate of 0.538 fish per trip. The charter industry's share of California recreational salmon trips in 2011 was about 32 percent, which was 13 percent above last year's share, and 17 percent above the average share in the recent past (2006-2010) (Table IV-10, Table IV-11 and Figure IV-5).

Oregon

Ocean recreational salmon trips in Oregon in 2011 were down nine percent to 48,800 trips compared with an estimated 53,300 angler trips in 2010 (Tables IV-10 and IV-12). Total trips in 2011 were down 42 percent compared with 2009, and 24 percent below the most recent five year average (2006-2010). Compared to last year, effort was down 28 percent in Astoria, 20 percent in Newport and 5 percent in Tillamook. In the southern Oregon ports, effort was up 20 percent in Coos Bay and 5 percent in Brookings. The charter industry's share of Oregon recreational salmon trips in 2011 was about 12 percent, which is about 8 percent above the trend of the recent past (2006-2010) (Table IV-10, Table IV-12 and Figure IV-5).

From 1984 to 1993, on average coho accounted for 87 percent of the annual Oregon recreational ocean salmon catch. From 1994 through 1998 the lack of opportunity to retain coho south of Cape Falcon generally resulted in much lower angler success rates. With the opportunity to retain coho in mark-selective fisheries south of Cape Falcon beginning in 1999, salmon retention rates increased 77 percent, from 0.246 salmon per angler-day in 1998 to 0.435 in 1999. From 2002 through 2009, retention rates ranged between 0.436 and 1.079 salmon per angler-day. The retention rate for 2011 was at the lower end of this range at 0.492, but 13 percent higher than the retention rate of 0.436 in 2010. In 2011 (as in 2010) coho contributed almost 79 percent of the total Oregon recreational ocean salmon catch.

Washington

In 2011, 71,400 ocean angler trips were taken on vessels on the Washington coast, a decrease of 12 percent from the 80,800 trips taken in 2010, but slightly above the recent five year (2006-2010) average. About 31 percent of Washington angler trips were taken on charter vessels in 2011, down 5 percent from the portion in 2010, and 12 percent below the recent five year average share of 35 percent (Table IV-10, Table IV-13 and Figure IV-5).

The angler success rate (in terms of retained fish per angler-trip) was 0.96 in 2011, up six percent from 0.905 in 2010, but 10 percent below the recent five year (2006-2010) average success rate. Note that these figures do not include angler effort that occurs from the ocean side of the Columbia River jetty, or angler effort in the state managed Area 4B add-on fishery, when open.

In order to increase angler participation in non-salmon recreational fishing (e.g., bottomfish trips) and to extend the length of the salmon season, partial-week closures were instituted in the recreational fishery north of Cape Falcon beginning in 1985. Sunday through Thursday salmon openings were used beginning in 1996 in the Westport and Columbia River port areas. The Neah Bay and La Push areas were generally open seven days a week, until more recently. In 2011 the recreational salmon fishery was open seven-days-a-week in the Columbia River area (south of Leadbetter Point). Most open areas north of Leadbetter Point were open seven-day-a-week throughout the season, with the exception of Queets River to Leadbetter Point, which was open Sunday through Thursday during June 26–July 31 and August 19-28. In 2011 there were 42,400 bottomfish trips north of Cape Falcon, a 7 percent increase from 39,600 trips in 2010 (Table IV-14). All port areas with the exception of Neah Bay experienced an increase in bottomfish trips compared with 2010.

Buoy 10 and Area 4B Add-On Fisheries

In 2011 anglers fishing from private and charter boats made a total of 47,700 trips in the Buoy 10 fishery. This effort level is down 8 percent from 51,600 trips in 2010 and 33 percent below the 71,100 trips in 2009. Angler retention rates increased from 0.29 salmon per angler-day in 2010 to 0.38 salmon per day in 2011 (Table IV-15).

In 2000, about 3,400 trips were made in the late-season Area 4B add-on fishery. Since that time there have been no late season Area 4B add-on fisheries (Table IV-15), with the exception of 2008, during which there were an estimated 782 private trips and no charter trips. There was no Area 4B add-on fishery in 2011.

There were numerous other inside recreational salmon fishing opportunities in Puget Sound and coastal streams and estuaries that are not discussed in this chapter of the Review. See Appendix B for estimates of harvest in some of those other fisheries.

SALMON FISHERY INCOME IMPACTS AND COMMUNITY DEPENDENCE

Coastal community income impacts provide information on the effects of fluctuations in salmon harvest on local economies and small businesses. Income impacts are estimated per commercial pound and per recreational fishing day (angler-trip), and were generated using the Fishery Economic Assessment Model (FEAM). Information on FEAM is available from the Council on request.

Estimated state and local community income impacts of commercial and recreational ocean salmon fisheries and selected state-managed fisheries are shown in Tables IV-16 through IV-20. These impacts represent estimates of total personal income associated with harvesting, processing and first level distribution activities in the commercial salmon fisheries, and trip-related expenditures made by recreational anglers, aggregated at the local community (county) and state levels. Income impacts are

estimated based on several components: reported landings and exvessel prices by area, an inventory of the area fleet and processors, estimates of fleet and processor expenditures, surveys of the expenditure patterns of recreational fishers, and local and state level total income coefficients generated by IMPLAN[®] models constructed for each area. In FEAM, most of the benefit of higher than average exvessel prices is assumed to go to the harvesters. Commercial ocean harvest that is landed outside the coastal areas (e.g., landings in Puget Sound ports) is not included in the estimates of coastal community impacts, but is included in overall state-level impacts.

The income impacts presented here are estimates of annual trends and are intended to indicate the possible redirection of activity between nonfishing and fishing-dependent sectors. As such they represent likely upper bounds on the local community and state income impacts generated by West Coast salmon fisheries. All income impact estimates in this review are reported in inflation-adjusted 2011 dollars.

West Coast Ocean Fishery Income Impacts

Total West Coast income impacts associated with recreational and commercial ocean salmon fisheries for all three states combined in 2011 were \$31.9 million, the fourth lowest on record in inflation-adjusted terms, but the highest since 2007. The 2011 total was 22 percent above the estimated inflation-adjusted 2010 (and 2006-2010 average) level of \$26.1 million, and 91 percent below the inflation-adjusted value for 1979 (the highest value in the data time series) (Tables IV-16 through IV-18). West Coast income impacts associated with the 2011 non-Indian commercial ocean fishery were \$14.8 million, 32 percent higher than the estimate for 2010 (\$11.2 million), and 42 percent above the recent five year (2006-2010) average of \$10.4 million in inflation-adjusted terms;^{1/} Income impacts related to the 2011 ocean recreational fishery were estimated at \$17.2 million, 15 percent above last year's level and 9 percent above the 2006-2010 inflation-adjusted average of \$15.8 million. Note that these coastwide values may mask effects in particular communities. Tables IV-16 through IV-18 provide greater detail on the impacts in individual states and port areas along the West Coast.

Selected Inside Fisheries

Columbia River Commercial Fisheries

Historically the non-Indian and treaty Indian Columbia River commercial fisheries have generated a substantial amount of income for the Oregon and Washington communities on the Columbia River. An inflation-adjusted average of \$34.1 million was generated annually from 1986-1990. In 2011, income impacts associated with the Columbia River commercial catch (combined non-Indian and treaty Indian) were estimated at \$20.1 million. This value is 50 percent above the 2006-2010 inflation-adjusted average of \$13.4 million. By comparison, total inflation-adjusted income impacts of these fisheries in 2007 through 2010 ranged from \$7.6 million to \$20.1 million (Table IV-19).

Buoy 10 and Area 4B Add-On

Estimated local community income impacts associated with the 2011 Buoy 10 recreational fishery were \$1.9 million, down 3 percent from the previous year, and 31 percent below the inflation-adjusted 2009 level, but 5 percent higher than inflation-adjusted average over 2006-2010 of \$1.9 million (Table IV-20). There was no late-season Area 4B add-on fishery in 2011. The most recent add-on fishery occurred in 2008, the first since 2000. The inflation-adjusted local community income impact associated with the

1/ Income impact estimates for the commercial fishery do not include postseason settlement payments fishers may have received from buyers. These postseason settlements may be particularly significant for the California fishery.

2008 area 4B add-on fishery was \$31,000. Between 1996 and 2000, annual inflation-adjusted state-level income impacts associated with the Area 4B add-on fishery averaged \$141,000 (Table IV-20).

TABLE IV-1. Average monthly exvessel troll salmon price in dollars per dressed pound for California, Oregon, and Washington in 2011.

| Species/Grade | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season |
|--------------------------------|------|------|------|------|------|------|-------|------|------|------|--------|
| CALIFORNIA | | | | | | | | | | | |
| Chinook ^{a/} | - | - | 6.75 | 5.23 | 4.95 | 4.53 | 6.35 | 6.83 | - | - | 5.17 |
| Coho | - | - | - | - | - | - | - | - | - | - | - |
| OREGON | | | | | | | | | | | |
| Chinook | | | | | | | | | | | |
| Large (>11 Pounds) | - | 6.90 | 6.57 | 5.27 | 4.99 | 5.04 | 5.84 | 6.47 | 6.80 | - | 5.98 |
| Medium (7-11 Pounds) | - | 6.83 | 6.24 | 4.98 | 4.43 | 4.75 | 5.16 | 6.02 | 6.22 | - | 5.82 |
| Small (<7 Pounds) | - | 5.86 | 5.64 | 4.36 | 4.04 | 2.77 | 5.29 | 5.91 | 5.99 | - | 5.69 |
| Ungraded Chinook | - | 6.83 | 6.65 | 5.39 | 5.35 | 5.48 | 5.75 | 6.33 | 6.84 | - | 6.01 |
| Weighted Average | - | 6.85 | 6.51 | 5.25 | 5.12 | 5.27 | 5.75 | 6.40 | 6.63 | - | 5.96 |
| Mixed Coho | - | - | - | - | 2.02 | 1.98 | 2.03 | - | - | - | 2.01 |
| WASHINGTON^{b/} | | | | | | | | | | | |
| Chinook | | | | | | | | | | | |
| Large (>11 Pounds) | - | - | 6.14 | 5.11 | 5.06 | 4.57 | 5.20 | - | - | - | 5.26 |
| Medium (8-11 Pounds) | - | - | 5.83 | 4.66 | 4.57 | 4.20 | 4.77 | - | - | - | 4.89 |
| Small (<8 Pounds) | - | - | 4.69 | 3.70 | 3.42 | 4.00 | 4.50 | - | - | - | 4.06 |
| Ungraded Chinook | - | - | - | - | - | - | - | - | - | - | - |
| Weighted Average | - | - | 5.96 | 4.95 | 5.00 | 4.53 | 5.08 | - | - | - | 5.12 |
| Mixed Coho | - | - | - | - | 2.00 | 2.17 | 2.36 | - | - | - | 2.10 |

a/ Chinook salmon typically sold in two size categories. Prices paid in these categories are not extracted from dealer ticket information.

b/ Non-Indian data only.

TABLE IV-2. Troll Chinook and coho landed in California, estimates of exvessel value, and average price (dollars per dressed pound) in nominal and real (inflation adjusted, 2011) dollars.^{a/}

| Year or Avg. | Chinook | | | | Coho | | | | Total ^{b/} | |
|--------------------|--------------------------|-----------------------|------------------------------|---------------------------|--------------------------|-----------------------|------------------------------|---------------------------|--------------------------|-----------------------|
| | Nominal Value (\$*1,000) | Real Value (\$*1,000) | Nominal Price Per Pound (\$) | Real Price Per Pound (\$) | Nominal Value (\$*1,000) | Real Value (\$*1,000) | Nominal Price Per Pound (\$) | Real Price Per Pound (\$) | Nominal Value (\$*1,000) | Real Value (\$*1,000) |
| 1979 | 17,356 | 45,006 | 2.53 | 6.56 | 2,303 | 5,972 | 2.19 | 5.68 | 19,659 | 50,978 |
| 1980 | 12,741 | 30,278 | 2.27 | 5.39 | 408 | 970 | 1.36 | 3.23 | 13,149 | 31,248 |
| 1981-1985 | 10,945 | 22,011 | 2.42 | 4.80 | 554 | 1,127 | 1.94 | 4.22 | 11,499 | 23,137 |
| 1986-1990 | 21,151 | 36,005 | 2.56 | 4.32 | 490 | 821 | 1.36 | 2.79 | 21,641 | 36,825 |
| 1991-1995 | 7,335 | 10,605 | 2.28 | 3.33 | 143 | 217 | 1.25 | 2.46 | 7,478 | 10,822 |
| 1996 | 5,984 | 8,173 | 1.44 | 1.97 | - | - | - | - | 5,984 | 8,173 |
| 1997 | 7,288 | 9,781 | 1.38 | 1.85 | - | - | - | - | 7,288 | 9,781 |
| 1998 | 3,060 | 4,061 | 1.66 | 2.20 | - | - | - | - | 3,060 | 4,061 |
| 1999 | 7,429 | 9,716 | 1.93 | 2.52 | - | - | - | - | 7,429 | 9,716 |
| 2000 | 10,304 | 13,190 | 2.01 | 2.57 | - | - | - | - | 10,304 | 13,190 |
| 2001 | 4,773 | 5,975 | 1.98 | 2.48 | - | - | - | - | 4,773 | 5,975 |
| 2002 | 7,776 | 9,578 | 1.55 | 1.91 | - | - | - | - | 7,776 | 9,578 |
| 2003 | 12,181 | 14,689 | 1.91 | 2.30 | - | - | - | - | 12,181 | 14,689 |
| 2004 | 17,895 | 20,984 | 2.87 | 3.37 | - | - | - | - | 17,895 | 20,984 |
| 2005 | 12,913 | 14,653 | 2.97 | 3.37 | - | - | - | - | 12,913 | 14,653 |
| 2006 | 5,350 | 5,881 | 5.13 | 5.64 | - | - | - | - | 5,350 | 5,881 |
| 2007 | 7,902 | 8,442 | 5.18 | 5.53 | - | - | - | - | 7,902 | 8,442 |
| 2008 | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - |
| 2010 | 1,246 | 1,274 | 5.47 | 5.59 | - | - | - | - | 1,246 | 1,274 |
| 2011 ^{c/} | 5,113 | 5,113 | 5.17 | 5.17 | - | - | - | - | 5,113 | 5,113 |

a/ These exvessel values do not include the postseason settlement payments some fishers may have received from buyers, and therefore may underestimate the true payments received by fishers for their landings. Beginning circa 1999, these postseason settlements are believed to have grown for the California fishery. For 2002, the exvessel value reported here is believed to be under-reported by roughly 5% to 10%.

b/ Does not include pink salmon landings, if any.

c/ Preliminary.

TABLE IV-3. Troll Chinook and coho landed in Oregon, estimates of exvessel value, and average price (dollars per dressed pound) in nominal and real (inflation adjusted, 2011) dollars.

| Year or Avg. | Chinook | | | | Coho | | | | Total ^{a/} | |
|--------------------|--------------------------|-----------------------|------------------------------|---------------------------|--------------------------|-----------------------|------------------------------|---------------------------|--------------------------|-----------------------|
| | Nominal Value (\$*1,000) | Real Value (\$*1,000) | Nominal Price Per Pound (\$) | Real Price Per Pound (\$) | Nominal Value (\$*1,000) | Real Value (\$*1,000) | Nominal Price Per Pound (\$) | Real Price Per Pound (\$) | Nominal Value (\$*1,000) | Real Value (\$*1,000) |
| 1971-1975 | 2,036 | 7,798 | 0.89 | 3.47 | 3,658 | 14,351 | 0.64 | 2.47 | 5,694 | 22,149 |
| 1976-1980 | 5,290 | 14,678 | 2.17 | 6.00 | 6,389 | 18,269 | 1.51 | 4.17 | 11,679 | 32,947 |
| 1981-1985 | 3,582 | 7,166 | 2.46 | 4.89 | 2,248 | 4,692 | 1.45 | 2.89 | 5,830 | 11,858 |
| 1986-1990 | 9,381 | 15,943 | 2.47 | 4.17 | 3,203 | 5,456 | 1.54 | 2.60 | 12,584 | 21,399 |
| 1991-1995 | 1,971 | 2,856 | 2.24 | 3.27 | 326 | 493 | 0.64 | 0.95 | 2,297 | 3,349 |
| 1996 | 3,007 | 4,107 | 1.56 | 2.13 | - | - | - | - | 3,007 | 4,107 |
| 1997 | 2,469 | 3,314 | 1.60 | 2.15 | - | - | - | - | 2,469 | 3,314 |
| 1998 | 2,297 | 3,049 | 1.64 | 2.18 | - | - | - | - | 2,297 | 3,049 |
| 1999 | 1,400 | 1,831 | 1.94 | 2.54 | 1 | 1 | 1.03 | 1.35 | 1,401 | 1,832 |
| 2000 | 2,988 | 3,825 | 2.02 | 2.59 | 75 | 96 | 1.06 | 1.36 | 3,063 | 3,921 |
| 2001 | 4,680 | 5,858 | 1.61 | 2.02 | 41 | 52 | 0.79 | 0.99 | 4,721 | 5,910 |
| 2002 | 5,383 | 6,631 | 1.54 | 1.90 | 8 | 10 | 0.75 | 0.92 | 5,391 | 6,641 |
| 2003 | 7,186 | 8,666 | 1.97 | 2.38 | 36 | 44 | 0.85 | 1.03 | 7,222 | 8,709 |
| 2004 | 9,832 | 11,530 | 3.45 | 4.05 | 86 | 101 | 1.24 | 1.45 | 9,919 | 11,631 |
| 2005 | 8,466 | 9,607 | 3.17 | 3.60 | 37 | 42 | 1.87 | 2.12 | 8,503 | 9,649 |
| 2006 | 2,663 | 2,927 | 5.48 | 6.02 | 38 | 42 | 2.90 | 3.19 | 2,701 | 2,969 |
| 2007 | 2,630 | 2,809 | 5.66 | 6.05 | 193 | 206 | 1.90 | 2.03 | 2,822 | 3,015 |
| 2008 | 484 | 505 | 7.31 | 7.64 | 10 | 11 | 2.82 | 2.95 | 494 | 516 |
| 2009 | 77 | 80 | 5.06 | 5.23 | 267 | 276 | 2.04 | 2.11 | 345 | 356 |
| 2010 | 2,775 | 2,837 | 5.49 | 5.61 | 16 | 16 | 2.23 | 2.28 | 2,791 | 2,853 |
| 2011 ^{b/} | 2,385 | 2,385 | 5.96 | 5.96 | 5 | 5 | 2.01 | 2.01 | 2,390 | 2,390 |

a/ Does not include pink salmon landings.

b/ Preliminary.

TABLE IV-4. Non-Indian troll Chinook and coho landed in Washington, estimates of exvessel value, and average price (dollars per dressed pound) in nominal and real (inflation adjusted, 2011) dollars.^{a/}

| Year or Avg. | Chinook | | | | Coho | | | | Total ^{b/} | |
|-------------------------|--------------------------|-----------------------|------------------------------|---------------------------|--------------------------|-----------------------|------------------------------|---------------------------|--------------------------|-----------------------|
| | Nominal Value (\$*1,000) | Real Value (\$*1,000) | Nominal Price Per Pound (\$) | Real Price Per Pound (\$) | Nominal Value (\$*1,000) | Real Value (\$*1,000) | Nominal Price Per Pound (\$) | Real Price Per Pound (\$) | Nominal Value (\$*1,000) | Real Value (\$*1,000) |
| 1971-1975 | 2,714 | 10,529 | 0.89 | 3.48 | 3,060 | 11,899 | 0.66 | 2.58 | 5,775 | 22,428 |
| 1976-1980 | 5,313 | 15,054 | 2.39 | 6.57 | 6,086 | 17,203 | 1.67 | 4.60 | 11,399 | 32,257 |
| 1981-1985 | 1,954 | 4,023 | 2.46 | 4.89 | 1,272 | 2,629 | 1.32 | 2.62 | 3,225 | 6,653 |
| 1986-1990 ^{c/} | 1,310 | 2,221 | 2.61 | 4.42 | 360 | 601 | 1.62 | 2.74 | 1,670 | 2,822 |
| 1991-1995 ^{d/} | 550 | 816 | 2.17 | 3.17 | 120 | 178 | 0.86 | 1.26 | 670 | 994 |
| 1996 | d/ | d/ | d/ | d/ | 59 | 80 | 0.86 | 1.18 | d/ | d/ |
| 1997 | 125 | 168 | 1.55 | 2.08 | - | - | - | - | 125 | 168 |
| 1998 | 123 | 163 | 1.51 | 2.00 | - | - | - | - | 123 | 163 |
| 1999 | 377 | 493 | 1.90 | 2.48 | 19 | 25 | 0.88 | 1.15 | 396 | 518 |
| 2000 | 224 | 287 | 1.71 | 2.19 | 34 | 44 | 1.09 | 1.40 | 258 | 331 |
| 2001 | 349 | 437 | 1.44 | 1.80 | 34 | 43 | 0.69 | 0.86 | 383 | 479 |
| 2002 | 756 | 931 | 1.11 | 1.37 | 2 | 2 | 1.58 | 1.95 | 758 | 933 |
| 2003 | 951 | 1,147 | 1.15 | 1.39 | 40 | 49 | 0.74 | 0.89 | 991 | 1,195 |
| 2004 | 1,079 | 1,266 | 2.14 | 2.51 | 106 | 124 | 1.16 | 1.36 | 1,185 | 1,390 |
| 2005 | 1,273 | 1,445 | 2.70 | 3.06 | 16 | 18 | 1.65 | 1.87 | 1,290 | 1,463 |
| 2006 | 1,029 | 1,131 | 4.64 | 5.10 | 16 | 18 | 1.69 | 1.86 | 1,045 | 1,149 |
| 2007 | 905 | 966 | 4.90 | 5.23 | 48 | 52 | 1.46 | 1.56 | 953 | 1,018 |
| 2008 | 673 | 704 | 6.73 | 7.03 | 36 | 37 | 2.49 | 2.60 | 709 | 741 |
| 2009 | 893 | 924 | 5.76 | 5.96 | 276 | 285 | 2.02 | 2.09 | 1,169 | 1,209 |
| 2010 | 3,083 | 3,152 | 5.61 | 5.74 | 32 | 33 | 2.14 | 2.19 | 3,115 | 3,185 |
| 2011 | 1,652 | 1,652 | 5.12 | 5.12 | 35 | 35 | 2.10 | 2.10 | 1,687 | 1,687 |

a/ All values in this table are based on preliminary information available at the start of each year's salmon review.

b/ Does not include pink salmon landings.

c/ There was no legal coho fishery in 1988. The value used in this average for 1988 is for landings of fish caught south of Cape Falcon and seizures of illegal fish.

d/ In 1994-1996 Chinook were caught off Oregon and landed in Washington. Value information was not provided to preserve confidentiality.

TABLE IV-5. Non-Indian troll pink salmon landed in Oregon and Washington, estimates of exvessel value, and average price (dollars per dressed pound) in nominal and real (inflation adjusted, 2011) dollars.

| Year or Avg. ^{a/} | Oregon | | | | Washington | | | | Total ^{a/} | |
|----------------------------|--------------------------|-----------------------|------------------------------|---------------------------|--------------------------|-----------------------|------------------------------|---------------------------|--------------------------|-----------------------|
| | Nominal Value (\$*1,000) | Real Value (\$*1,000) | Nominal Price Per Pound (\$) | Real Price Per Pound (\$) | Nominal Value (\$*1,000) | Real Value (\$*1,000) | Nominal Price Per Pound (\$) | Real Price Per Pound (\$) | Nominal Value (\$*1,000) | Real Value (\$*1,000) |
| 1976-1980 | 167 | 484 | 0.75 | 2.07 | 1,200 | 3,284 | 0.54 | 1.50 | 1,367 | 3,768 |
| 1981-1985 | 129 | 262 | 0.74 | 1.47 | 287 | 590 | 0.41 | 0.83 | 416 | 852 |
| 1986-1990 | 41 | 72 | 0.77 | 1.30 | 57 | 93 | 0.66 | 1.12 | 98 | 165 |
| 1991-1995 | 1 | 2 | 0.88 | 1.27 | 38 | 56 | 0.64 | 0.93 | 39 | 58 |
| 1997 | b/ | b/ | 0.56 | 0.75 | b/ | b/ | 0.20 | 0.27 | b/ | b/ |
| 1999 | b/ | b/ | 0.67 | 0.88 | b/ | b/ | 0.38 | 0.50 | b/ | b/ |
| 2001 | 1 | 1 | 0.58 | 0.73 | b/ | b/ | 0.22 | 0.28 | 1 | 1 |
| 2003 | b/ | b/ | 0.85 | 1.03 | b/ | b/ | 0.30 | 0.36 | b/ | b/ |
| 2005 | b/ | b/ | 1.25 | 1.42 | b/ | b/ | 0.52 | 0.59 | b/ | b/ |
| 2007 | b/ | b/ | 1.03 | 1.10 | b/ | b/ | 0.33 | 0.35 | b/ | b/ |
| 2009 | b/ | b/ | 1.03 | 1.07 | b/ | b/ | 0.33 | 0.34 | b/ | b/ |
| 2011 ^{c/} | b/ | b/ | 1.34 | 1.34 | 1 | 1 | 0.83 | 0.83 | 1 | 1 |

a/ Odd year averages.

b/ Less than \$500.

c/ Preliminary.

TABLE IV-6. Pounds of salmon landed by the commercial troll ocean fishery for major California port areas.^{a/b/}

| Year or Avg. | Crescent City | Eureka | Fort Bragg | San Francisco | Monterey | State Total |
|--|---------------|--------|------------|---------------|----------|-------------|
| CHINOOK (thousands of dressed pounds) | | | | | | |
| 1976-1980 | 393 | 1,403 | 1,449 | 1,733 | 889 | 5,867 |
| 1981-1985 | 350 | 428 | 1,128 | 1,806 | 742 | 4,454 |
| 1986-1990 | 155 | 405 | 2,299 | 3,648 | 1,592 | 8,097 |
| 1991-1995 | 2 | 25 | 183 | 1,893 | 1,326 | 3,429 |
| 1996-2000 | 2 | 35 | 146 | 2,155 | 1,699 | 4,037 |
| 2001 | 3 | 61 | 192 | 1,735 | 418 | 2,409 |
| 2002 | 54 | 108 | 872 | 3,060 | 912 | 5,008 |
| 2003 | 38 | 7 | 3,096 | 2,753 | 498 | 6,392 |
| 2004 | 308 | 65 | 1,292 | 3,712 | 853 | 6,230 |
| 2005 | 25 | 77 | 889 | 2,258 | 1,098 | 4,347 |
| 2006 | - | - | 273 | 684 | 87 | 1,043 |
| 2007 | 34 | 81 | 357 | 888 | 165 | 1,525 |
| 2008 | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - |
| 2010 | - | 4 | 186 | 16 | 20 | 228 |
| 2011 ^{c/} | 8 | 53 | 621 | 214 | 93 | 988 |
| COHO (thousands of dressed pounds) | | | | | | |
| 1976-1980 | 360 | 391 | 277 | 109 | 48 | 1,184 |
| 1981-1985 | 89 | 104 | 89 | 54 | 9 | 345 |
| 1986-1990 | 22 | 43 | 136 | 53 | 9 | 262 |
| 1991-1995 | d/ | 4 | 11 | 56 | 23 | 94 |
| 1996-2000 | - | - | - | - | - | - |
| 2001 | - | - | - | - | - | - |
| 2002 | - | - | - | - | - | - |
| 2003 | - | - | - | - | - | - |
| 2004 | - | - | - | - | - | - |
| 2005 | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - |
| 2010 | - | - | - | - | - | - |
| 2011 | - | - | - | - | - | - |

a/ The major port areas listed may include smaller ports as follows: Crescent City includes only Crescent City; Eureka includes Trinidad and Humboldt Bay; Fort Bragg includes Shelter Cove, Noyo Harbor, Mendocino, and Pt. Arena; San Francisco includes Bodega Bay, Sausalito, Berkeley, and Half Moon Bay; Monterey includes Santa Cruz, Moss Landing, Morro Bay, Avila, and all ports south of Pt. Conception.

b/ Prior to 2005 landings were based on catch area, not port of landing.

c/ Preliminary.

d/ Less than 500 pounds.

TABLE IV-7. Pounds of salmon landed by the commercial troll ocean fishery for major Oregon port areas.^{a/}

| Year or Avg. | Astoria | Tillamook | Newport | Coos Bay | Brookings | State Total |
|--|---------|-----------|---------|----------|-----------|-------------|
| CHINOOK (thousands of dressed pounds) | | | | | | |
| 1976-1980 | 171 | 118 | 530 | 908 | 700 | 2,427 |
| 1981-1985 | 92 | 45 | 271 | 638 | 386 | 1,432 |
| 1986-1990 | 52 | 264 | 829 | 2,118 | 468 | 3,731 |
| 1991-1995 | 7 | 86 | 580 | 235 | 31 | 940 |
| 1996-2000 | 25 | 70 | 790 | 435 | 92 | 1,414 |
| 2001 | 73 | 223 | 1,673 | 776 | 152 | 2,897 |
| 2002 | 330 | 275 | 1,442 | 1,223 | 218 | 3,488 |
| 2003 | 265 | 245 | 1,634 | 1,353 | 142 | 3,639 |
| 2004 | 134 | 113 | 1,121 | 1,214 | 267 | 2,850 |
| 2005 | 130 | 214 | 1,034 | 1,054 | 239 | 2,671 |
| 2006 | 99 | 67 | 218 | 56 | 45 | 486 |
| 2007 | 22 | 37 | 76 | 232 | 98 | 464 |
| 2008 | 39 | 19 | - | - | 8 | 66 |
| 2009 | 7 | 4 | - | - | 5 | 15 |
| 2010 | 116 | 40 | 185 | 122 | 43 | 506 |
| 2011 ^{c/} | 30 | 14 | 67 | 230 | 59 | 400 |
| COHO (thousands of dressed pounds) | | | | | | |
| 1976-1980 | 385 | 660 | 1,190 | 1,661 | 357 | 4,252 |
| 1981-1985 | 133 | 293 | 451 | 550 | 111 | 1,537 |
| 1986-1990 | 73 | 473 | 693 | 648 | 69 | 1,957 |
| 1991-1995 | 17 | 93 | 110 | 104 | 1 | 325 |
| 1996-2000 | 14 | - | - | - | - | 14 |
| 2001 | 50 | b/ | 2 | - | - | 52 |
| 2002 | 6 | 5 | - | - | - | 11 |
| 2003 | 32 | 11 | - | - | - | 43 |
| 2004 | 47 | 22 | - | - | - | 70 |
| 2005 | 9 | 11 | - | - | - | 20 |
| 2006 | 8 | 5 | - | - | - | 13 |
| 2007 | 37 | 34 | 13 | 14 | 3 | 101 |
| 2008 | 3 | 1 | - | - | - | 4 |
| 2009 | 48 | 43 | 35 | 5 | b/ | 131 |
| 2010 | 6 | 1 | - | - | - | 7 |
| 2011 ^{c/} | 2 | 1 | - | - | - | 3 |

a/ The major port areas listed include smaller ports as follows: Astoria also includes Gearhart/Seaside and Cannon Beach; Tillamook also includes Garibaldi, Netarts, Pacific City, and Nehalem Bay; Newport also includes Depoe Bay, Siletz Bay, Salmon River, and Waldport; Coos Bay also includes Florence, Winchester Bay, Charleston, and Bandon; Brookings also includes Port Orford and Gold Beach.

b/ Less than 500 pounds.

c/ Preliminary.

TABLE IV-8. Pounds of salmon landed by the non-Indian commercial troll ocean fishery for major Washington port areas.^{a/b/}

| Year or Avg. | Neah Bay | La Push | Westport | Ilwaco | Coastal | Puget Sound | State Total ^{c/} |
|--|----------|---------|----------|--------|-----------|-------------|---------------------------|
| | | | | | Community | | |
| CHINOOK (thousands of dressed pounds) | | | | | | | |
| | | | | | Total | | |
| 1976-1980 | 288 | 421 | 919 | 261 | 1,889 | 426 | 2,315 |
| 1981-1985 | 88 | 32 | 370 | 74 | 564 | 124 | 689 |
| 1986-1990 | 71 | 17 | 234 | 48 | 371 | 122 | 493 |
| 1991-1995 ^{d/} | 137 | 29 | 123 | 9 | 204 | 30 | 234 |
| 1996-2000 ^{d/} | 49 | 1 | 37 | 3 | 80 | 22 | 102 |
| 2001 | 97 | - | 138 | 6 | 241 | - | 241 |
| 2002 | 262 | 33 | 322 | 61 | 678 | - | 678 |
| 2003 | 470 | 67 | 243 | 29 | 810 | 12 | 821 |
| 2004 | 250 | 74 | 158 | 15 | 497 | 7 | 504 |
| 2005 | 170 | 100 | 181 | 20 | 471 | e/ | 471 |
| 2006 | 86 | 64 | 40 | 26 | 216 | 5 | 222 |
| 2007 | 38 | 31 | 105 | 8 | 182 | 2 | 184 |
| 2008 | 20 | 17 | 49 | 13 | 99 | 1 | 100 |
| 2009 | 31 | 25 | 92 | 3 | 153 | 2 | 155 |
| 2010 | 48 | 62 | 402 | 10 | 522 | - | 522 |
| 2011 | 113 | 44 | 155 | 11 | 322 | - | 322 |
| COHO (thousands of dressed pounds) | | | | | | | |
| 1976-1980 | 600 | 786 | 1,066 | 678 | 3,130 | 496 | 3,626 |
| 1981-1985 | 133 | 63 | 277 | 142 | 616 | 128 | 744 |
| 1986-1990 | 70 | 19 | 97 | 53 | 239 | 19 | 259 |
| 1991-1995 | 52 | 14 | 49 | 13 | 102 | 12 | 111 |
| 1996-2000 | 10 | e/ | 8 | 3 | 22 | 2 | 24 |
| 2001 | 2 | - | 39 | 9 | 49 | - | 49 |
| 2002 | - | - | e/ | 1 | 1 | - | 1 |
| 2003 | 11 | 12 | 21 | 8 | 52 | 2 | 54 |
| 2004 | 12 | 20 | 53 | 4 | 89 | 1 | 91 |
| 2005 | 2 | 1 | 3 | 5 | 10 | - | 10 |
| 2006 | 3 | 3 | 3 | 1 | 10 | e/ | 10 |
| 2007 | 3 | 3 | 9 | 17 | 33 | - | 33 |
| 2008 | 2 | 3 | 8 | 1 | 14 | e/ | 14 |
| 2009 | 29 | 34 | 54 | 14 | 131 | 5 | 136 |
| 2010 | 1 | 2 | 12 | 1 | 15 | - | 15 |
| 2011 | 6 | 2 | 9 | e/ | 17 | - | 17 |

a/ All values in this table are based on preliminary information available at the start of each year's salmon review.

b/ The major port areas listed may include smaller ports as follows: Neah Bay includes only Neah Bay; La Push also includes Kalaloch; Westport also includes Aberdeen, Bay City, Copalis Beach, Hoquiam, Moclips, Taholah, Bay Center, Grayland Beach, Raymond, South Bend, and Tokeland; Ilwaco also includes Long Beach, Nahcotta, Naselle, and all Columbia River Ports; Puget Sound includes all Puget Sound ports east of Neah Bay.

c/ State total includes landings where port of landing is not specified.

d/ There was no ocean commercial fishery for Chinook north of Cape Falcon in 1994-1996; however, Chinook were caught off Oregon and landed in Washington.

e/ Less than 500 pounds.

TABLE IV-9. Exvessel values (inflation adjusted, 2011 dollars) of inriver commercial harvest of Columbia River salmon.^{af}
(Page 1 of 2)

| Year or Avg. | Non-Indian Gillnet ^{b/} | | | | | Treaty Indian ^{c/} - All Gears | | | | | | Columbia River Total By State | |
|--|----------------------------------|-----------------------|-------|--------|-----------------------|---|--------|-----------------------|-------|------|-------|----------------------------------|-------|
| | Chinook | | Coho | Chum | TOTAL | Chinook | | | Coho | Chum | TOTAL | | |
| | Fall | | | | | Fall | | | | | | | |
| | Spring | Brights ^{d/} | Tules | Spring | Brights ^{d/} | Tules | Spring | Brights ^{d/} | Tules | | | | |
| Oregon | | | | | | | | | | | | | |
| Average Price Per Landed Pound ^{e/} (dollars) | | | | | | | | | | | | | |
| 1987-2003 | 4.32 | 1.48 | 0.41 | 1.29 | 0.56 | 4.49 | 1.40 | 0.36 | 0.99 | - | - | - | |
| 2004 | 4.36 | 1.61 | 0.26 | 1.06 | 0.29 | 2.17 | 1.33 | 0.12 | 0.69 | - | - | - | |
| 2005 | 3.87 | 1.84 | 0.30 | 1.21 | 0.35 | - | 1.18 | 0.19 | 1.06 | - | - | - | |
| 2006 | 5.14 | 2.35 | 0.31 | 1.44 | 0.29 | 3.30 | 1.68 | 0.29 | 1.37 | - | - | - | |
| 2007 | 5.76 | 3.02 | 0.05 | 1.73 | 0.80 | 4.01 | 2.79 | 0.03 | 1.14 | - | - | - | |
| 2008 | 6.46 | 2.61 | 0.60 | 1.37 | 0.68 | 4.85 | 2.68 | 0.47 | 1.21 | 0.94 | - | - | |
| 2009 | 4.66 | 2.13 | 0.56 | 1.25 | 0.54 | 3.53 | 1.45 | 0.37 | 0.95 | - | - | - | |
| 2010 | 5.04 | 2.16 | 0.61 | 1.42 | 0.69 | 4.31 | 2.07 | 0.64 | 1.93 | - | - | - | |
| 2011 ^{g/} | 5.08 | 2.29 | 0.57 | 1.66 | 0.61 | 3.57 | 2.36 | 0.71 | 1.53 | - | - | - | |
| Exvessel Value (thousands of dollars) | | | | | | | | | | | | | |
| 1987-2003 | 519 | 1,778 | 105 | 1,140 | 2 | 3,543 | 6 | 730 | 19 | 6 | - | 760 | 4,303 |
| 2004 | 1,204 | 657 | 58 | 797 | f/ | 2,716 | 174 | 631 | 35 | 20 | - | 859 | 3,575 |
| 2005 | 356 | 502 | 39 | 958 | f/ | 1,856 | - | 236 | 13 | 1 | - | 249 | 2,105 |
| 2006 | 675 | 701 | 20 | 689 | f/ | 2,085 | f/ | 347 | 3 | 16 | - | 366 | 2,451 |
| 2007 | 817 | 377 | 1 | 329 | f/ | 1,524 | 68 | 386 | 1 | 16 | - | 470 | 1,994 |
| 2008 | 747 | 1,078 | 67 | 700 | f/ | 2,592 | 337 | 980 | 61 | 53 | f/ | 1,430 | 4,022 |
| 2009 | 452 | 929 | 94 | 1,059 | f/ | 2,534 | 147 | 582 | 37 | 25 | - | 792 | 3,325 |
| 2010 | 1,929 | 921 | 157 | 796 | 1 | 3,805 | 604 | 468 | 90 | 33 | - | 1,195 | 5,000 |
| 2011 ^{g/} | 1,167 | 1,443 | 130 | 716 | f/ | 3,456 | 183 | 591 | 30 | 30 | - | 834 | 4,291 |
| Pounds (thousands) | | | | | | | | | | | | | |
| 1987-2003 | 116 | 749 | 156 | 785 | 2 | 1,807 | 3 | 337 | 62 | 5 | - | 407 | 2,213 |
| 2004 | 276 | 409 | 224 | 755 | f/ | 1,664 | 80 | 476 | 299 | 29 | - | 884 | 2,548 |
| 2005 | 92 | 273 | 132 | 789 | f/ | 1,286 | - | 200 | 67 | 1 | - | 267 | 1,554 |
| 2006 | 131 | 298 | 65 | 478 | f/ | 971 | f/ | 206 | 11 | 12 | - | 229 | 1,200 |
| 2007 | 142 | 135 | f/ | 189 | f/ | 466 | 17 | 138 | 25 | 14 | - | 194 | 660 |
| 2008 | 116 | 413 | 112 | 512 | f/ | 1,152 | 70 | 366 | 129 | 44 | f/ | 609 | 1,761 |
| 2009 | 97 | 436 | 168 | 846 | f/ | 1,547 | 42 | 403 | 100 | 26 | - | 571 | 2,118 |
| 2010 | 382 | 426 | 257 | 560 | 1 | 1,626 | 140 | 226 | 140 | 17 | - | 524 | 2,150 |
| 2011 ^{g/} | 230 | 630 | 228 | 431 | f/ | 1,520 | 51 | 251 | 42 | 20 | - | 364 | 1,883 |

TABLE IV-9. Exvessel values (inflation adjusted, 2011 dollars) of inriver commercial harvest of Columbia River salmon.^{a/} (Page 2 of 2)

| Year or Avg. | Non-Indian Gillnet ^{b/} | | | | | Treaty Indian ^{c/} - All Gears | | | | | Columbia River Total By State |
|--|----------------------------------|-----------------------|------|----------|----------|---|-----------------------|----------|----------|-------|----------------------------------|
| | Chinook | | Coho | Chum | TOTAL | Chinook | | Coho | Chum | TOTAL | |
| | Fall | | | | | Fall | | | | | |
| | Spring | Brights ^{d/} | | | | Spring | Brights ^{d/} | | | | |
| Washington^{g/h/i/} | | | | | | | | | | | |
| Average Price Per Landed Pound ^{e/} (dollars) | | | | | | | | | | | |
| 1987-2003 | 5.30 | 1.37 | 1.29 | 0.49 | - | 3.82 | 0.97 | 0.91 | - | - | |
| 2004 | 4.61 | 1.51 | 1.10 | 0.29 | - | 1.84 | 0.63 | 0.26 | - | - | |
| 2005 | 4.06 | 1.58 | 1.17 | 0.91 | - | 1.92 | 0.58 | 0.34 | - | - | |
| 2006 | 4.03 | 2.12 | 1.46 | - | - | 2.58 | 1.54 | 0.62 | 0.55 | - | |
| 2007 | 7.17 | 2.72 | 1.35 | 1.04 | - | 4.75 | 1.45 | 0.85 | 0.96 | - | |
| 2008 | 7.01 | 2.66 | 1.32 | 1.01 | - | 4.65 | 1.42 | 0.84 | 0.94 | - | |
| 2009 | 5.47 | 1.84 | 1.17 | 0.61 | - | 3.11 | 0.96 | 0.59 | - | - | |
| 2010 | 5.11 | 1.99 | 1.34 | 0.61 | - | 3.85 | 1.17 | 0.90 | - | - | |
| 2011 | 4.49 | 1.91 | 1.51 | 0.58 | - | 3.51 | 1.82 | 1.43 | 3.13 | - | |
| Exvessel Value (thousands of dollars) | | | | | | | | | | | |
| 1987-2003 | 248 | 687 | 472 | 1,393 | 59 | 1,118 | - | 16 | - | 1,189 | 2,583 |
| 2004 | 319 | 512 | 408 | f/ 1,238 | 193 | 510 | - | 11 | - | 715 | 1,953 |
| 2005 | 250 | 371 | 223 | f/ 844 | 128 | 812 | - | 11 | - | 952 | 1,796 |
| 2006 | 352 | 462 | 303 | - 1,116 | 465 | 1,392 | - | 28 | f/ 1,886 | 3,001 | |
| 2007 | 135 | 246 | 267 | f/ 649 | f/ 1,325 | - | 55 | f/ 1,381 | - | 2,029 | |
| 2008 | 328 | 531 | 289 | f/ 1,149 | 1,014 | 1,666 | - | 154 | f/ 2,834 | 3,983 | |
| 2009 | 325 | 556 | 307 | f/ 1,187 | 638 | 846 | - | 26 | - 1,510 | 2,697 | |
| 2010 | 554 | 523 | 331 | 1 1,410 | 2,026 | 1,773 | - | 23 | - 3,822 | 5,232 | |
| 2011 | 352 | 746 | 238 | 1 1,337 | 1,667 | 2,905 | - | 233 | 1 4,805 | 6,142 | |
| Pounds (thousands) | | | | | | | | | | | |
| 1987-2003 | 46 | 333 | 369 | 1 747 | 37 | 914 | - | 18 | - 966 | 1,713 | |
| 2004 | 69 | 338 | 370 | f/ 777 | 105 | 806 | - | 43 | - 954 | 1,731 | |
| 2005 | 62 | 235 | 191 | f/ 487 | 67 | 1,404 | - | 34 | - 1,504 | 1,992 | |
| 2006 | 87 | 218 | 207 | - 512 | 180 | 905 | - | 45 | f/ 1,130 | 1,642 | |
| 2007 | 18 | 91 | 154 | f/ 263 | f/ 638 | - | 66 | f/ 705 | - | 968 | |
| 2008 | 47 | 199 | 219 | f/ 466 | 218 | 1,172 | - | 184 | f/ 1,574 | 2,040 | |
| 2009 | 59 | 302 | 262 | 1 624 | 205 | 880 | - | 44 | - 1,129 | 1,753 | |
| 2010 | 108 | 262 | 247 | 2 620 | 526 | 1,521 | - | 25 | - 2,072 | 2,693 | |
| 2011 | 78 | 391 | 158 | 1 628 | 475 | 1,596 | - | 163 | f/ 2,234 | 2,862 | |

a/ Excluding pink, sockeye, and steelhead.

b/ Mainstem below Bonneville and select areas (Youngs Bay, Tongue Point, Blind Slough, and Deep River).

c/ Treaty Indian landings and values do not include direct sales to consumers.

d/ For Washington, this column includes fall brights, tules, and jacks. Price changes may reflect a change in the mix of brights, tules, and jacks rather than annual price changes.

e/ Gillnet exvessel salmon prices are recorded in round weight and therefore are not strictly comparable to exvessel troll prices.

f/ Less than \$500 or 500 pounds.

g/ Preliminary. (All Washington values in this table are based on preliminary information available when each year's Salmon Review is drafted.)

h/ Washington prices for years prior to 2000 are based on a combination of Washington and Oregon value information.

i/ Treaty Indian values are primarily mainstem Columbia set gillnet but also include Klickitat dipnet, Drano Lake (Little White Salmon River mouth), and Priest Rapids Pool fisheries.

TABLE IV-10. California, Oregon, and Washington ocean recreational salmon effort in thousands of angler trips and catch in thousands of fish by boat type. (Page 1 of 2)

| Year or Avg. | Angler Trips | | Chinook Catch ^{a/} | | Coho Catch ^{a/} | |
|------------------------------|--------------|---------|-----------------------------|---------|--------------------------|---------|
| | Charter | Private | Charter | Private | Charter | Private |
| CALIFORNIA | | | | | | |
| 1981-1985 | 68.9 | 78.1 | 74.6 | 34.4 | 1.5 | 18.3 |
| 1986-1990 | 95.9 | 144.8 | 100.1 | 66.3 | 5.3 | 35.1 |
| 1991-1995 | 81.7 | 131.8 | 85.9 | 83.0 | 3.8 | 18.7 |
| 1996-2000 | 82.2 | 112.5 | 77.5 | 80.3 | b/ | 0.4 |
| 2001 | 69.9 | 95.2 | 43.2 | 55.6 | 0.1 | 1.2 |
| 2002 | 86.6 | 123.4 | 85.1 | 96.9 | b/ | 0.8 |
| 2003 | 59.4 | 75.3 | 48.3 | 46.4 | 0.1 | 0.6 |
| 2004 | 97.7 | 121.0 | 124.7 | 96.5 | b/ | 1.4 |
| 2005 | 69.1 | 103.0 | 61.3 | 81.9 | b/ | 0.7 |
| 2006 | 44.9 | 81.6 | 35.3 | 61.0 | b/ | 1.6 |
| 2007 | 31.4 | 74.5 | 12.4 | 35.4 | b/ | 0.7 |
| 2008 | 0.1 | 0.3 | 0.0 | b/ | - | - |
| 2009 | 0.6 | 4.7 | 0.1 | 0.6 | - | b/ |
| 2010 | 13.6 | 35.0 | 4.7 | 10.1 | - | 0.2 |
| 2011 ^{c/} | 28.9 | 62.2 | 17.9 | 31.1 | b/ | 0.3 |
| OREGON^{d/e/} | | | | | | |
| 1979 | 73.7 | 187.7 | 5.4 | 13.3 | 59.8 | 101.8 |
| 1980 | 79.0 | 218.9 | 5.1 | 11.9 | 98.3 | 207.5 |
| 1981-1985 | 45.7 | 187.9 | 6.2 | 26.9 | 48.0 | 117.6 |
| 1986-1990 | 56.5 | 184.6 | 7.0 | 28.8 | 71.6 | 148.4 |
| 1991-1995 | 18.0 | 81.8 | 1.3 | 8.0 | 27.1 | 76.2 |
| 1996-2000 | 5.3 | 40.3 | 1.5 | 9.7 | 3.4 | 9.1 |
| 2001 | 18.2 | 102.3 | 6.4 | 20.8 | 19.3 | 75.0 |
| 2002 | 15.7 | 91.9 | 7.9 | 39.5 | 9.0 | 27.5 |
| 2003 | 23.4 | 121.1 | 8.8 | 31.8 | 23.7 | 90.0 |
| 2004 | 21.1 | 124.6 | 14.6 | 41.8 | 13.1 | 58.8 |
| 2005 | 9.9 | 66.1 | 4.5 | 23.4 | 3.1 | 10.6 |
| 2006 | 8.0 | 54.4 | 1.5 | 10.1 | 3.6 | 12.0 |
| 2007 | 11.4 | 76.9 | 0.6 | 6.4 | 10.6 | 50.1 |
| 2008 | 1.9 | 28.5 | 0.2 | 1.4 | 1.0 | 11.1 |
| 2009 | 12.6 | 71.9 | 0.2 | 1.3 | 14.2 | 75.4 |
| 2010 | 5.0 | 48.3 | 0.6 | 4.4 | 2.8 | 15.5 |
| 2011 ^{c/} | 5.9 | 42.8 | 0.6 | 4.6 | 3.5 | 15.3 |

TABLE IV-10. California, Oregon, and Washington ocean recreational salmon effort in thousands of angler trips and catch in thousands of fish by boat type. (Page 2 of 2)

| Year or Avg. | Angler Trips | | Chinook Catch ^{a/} | | Coho Catch ^{a/} | |
|--------------------|----------------------------------|---------|-----------------------------|---------|--------------------------|---------|
| | Charter | Private | Charter | Private | Charter | Private |
| | WASHINGTON^{f/g/} | | | | | |
| 1979 | 220.8 | 89.8 | 61.1 | 15.7 | 227.9 | 62.4 |
| 1980 | 193.9 | 86.2 | 41.1 | 12.5 | 288.4 | 73.1 |
| 1981-1985 | 102.0 | 69.7 | 42.6 | 13.8 | 113.3 | 69.2 |
| 1986-1990 | 53.5 | 59.4 | 16.0 | 10.0 | 78.0 | 77.6 |
| 1991-1995 | 28.0 | 45.1 | 4.5 | 4.2 | 41.5 | 54.8 |
| 1991-1995 | 13.6 | 20.6 | 2.7 | 2.2 | 17.4 | 20.8 |
| 2001 | 41.2 | 72.4 | 11.9 | 10.8 | 66.2 | 98.2 |
| 2002 | 37.0 | 57.4 | 30.9 | 27.0 | 30.4 | 43.7 |
| 2003 | 44.5 | 75.5 | 16.0 | 18.1 | 53.4 | 84.9 |
| 2004 | 36.5 | 73.1 | 10.3 | 14.6 | 37.6 | 75.1 |
| 2005 | 31.7 | 58.9 | 15.9 | 20.4 | 19.2 | 32.6 |
| 2006 | 24.5 | 39.1 | 4.0 | 6.7 | 16.2 | 19.9 |
| 2007 | 26.7 | 45.9 | 3.1 | 5.9 | 33.7 | 50.1 |
| 2008 | 14.2 | 22.2 | 6.0 | 8.6 | 8.3 | 10.5 |
| 2009 | 29.4 | 69.5 | 3.1 | 9.2 | 47.9 | 90.0 |
| 2010 | 26.5 | 54.4 | 15.4 | 21.5 | 14.1 | 22.2 |
| 2011 ^{c/} | 22.2 | 49.2 | 9.8 | 19.3 | 15.1 | 24.4 |

a/ Catch numbers may include some illegal harvest.

b/ Fewer than 50 fish.

c/ Preliminary.

d/ Salmon data from surveyed ports only. These generally 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. Astoria was not included in 1994.

e/ Numbers do not include angling from the Columbia River jetty.

f/ Numbers do not include angling from the Columbia River jetty or from the late-season state waters Area 4B fishery.

g/ Values for 1982-1985 include some inriver Columbia River fishing after closure of the ocean fishery.

TABLE IV-11. Estimates of California recreational ocean salmon angler trips (thousands) by port area and boat type.

| Year or Avg. | Crescent City | Eureka | Fort Bragg | San Francisco | Monterey | State Total |
|----------------------|---------------|--------|------------|---------------|----------|-------------|
| CHARTER TRIPS | | | | | | |
| 1976-1980 | 1.5 | 1.2 | 2.4 | 63.5 | 4.0 | 72.7 |
| 1981-1985 | 0.7 | 1.3 | 1.8 | 62.1 | 3.0 | 68.9 |
| 1986-1990 | 1.0 | 3.5 | 4.0 | 74.3 | 13.1 | 95.9 |
| 1991-1995 | 0.4 | 0.8 | 2.8 | 55.7 | 22.0 | 81.7 |
| 1996-2000 | a/ | 0.7 | 4.2 | 55.2 | 22.1 | 82.1 |
| 2001 | a/ | 1.4 | 9.7 | 43.4 | 15.4 | 69.9 |
| 2002 | 0.0 | 1.6 | 10.7 | 54.9 | 19.4 | 86.6 |
| 2003 | 0.0 | 1.1 | 8.2 | 38.7 | 11.4 | 59.4 |
| 2004 | 0.1 | 1.9 | 10.7 | 63.4 | 21.5 | 97.7 |
| 2005 | 0.0 | 0.9 | 8.9 | 45.8 | 13.5 | 69.1 |
| 2006 | 0.0 | 0.7 | 6.9 | 29.2 | 8.0 | 44.9 |
| 2007 | 0.0 | 1.6 | 5.4 | 20.9 | 3.5 | 31.4 |
| 2008 | - | - | 0.1 | - | - | 0.1 |
| 2009 | 0.0 | 0.6 | - | - | - | 0.6 |
| 2010 | 0.0 | 0.3 | 1.8 | 8.0 | 3.6 | 13.6 |
| 2011 ^{b/} | 0.0 | 1.4 | 4.4 | 17.3 | 5.9 | 28.9 |
| PRIVATE TRIPS | | | | | | |
| 1976-1980 | 18.4 | 22.7 | 9.3 | 34.4 | 6.0 | 90.8 |
| 1981-1985 | 22.4 | 21.8 | 7.8 | 16.8 | 9.3 | 78.1 |
| 1986-1990 | 38.6 | 34.4 | 11.4 | 24.3 | 36.1 | 144.8 |
| 1991-1995 | 13.9 | 14.0 | 17.6 | 37.1 | 49.3 | 131.9 |
| 1996-2000 | 6.8 | 10.9 | 15.0 | 38.8 | 40.9 | 112.5 |
| 2001 | 8.6 | 14.7 | 21.1 | 28.1 | 22.7 | 95.2 |
| 2002 | 3.9 | 16.1 | 21.1 | 33.9 | 48.5 | 123.4 |
| 2003 | 2.2 | 12.5 | 15.5 | 27.9 | 17.1 | 75.3 |
| 2004 | 3.1 | 20.5 | 19.8 | 42.7 | 35.0 | 121.0 |
| 2005 | 2.5 | 13.9 | 15.4 | 39.0 | 32.2 | 103.0 |
| 2006 | 1.5 | 14.2 | 14.1 | 32.1 | 19.7 | 81.6 |
| 2007 | 2.1 | 16.8 | 11.7 | 22.2 | 21.7 | 74.5 |
| 2008 | - | - | 0.3 | - | - | 0.3 |
| 2009 | 1.1 | 3.6 | - | - | - | 4.7 |
| 2010 | 0.2 | 3.7 | 4.8 | 11.4 | 15.0 | 35.0 |
| 2011 ^{b/} | 0.8 | 12.7 | 9.9 | 16.9 | 21.9 | 62.2 |
| TOTAL TRIPS | | | | | | |
| 1976-1980 | 20.0 | 23.9 | 11.7 | 97.9 | 10.0 | 163.5 |
| 1981-1985 | 23.1 | 23.1 | 9.6 | 78.9 | 12.2 | 147.0 |
| 1986-1990 | 39.6 | 37.9 | 15.4 | 98.6 | 49.2 | 240.7 |
| 1991-1995 | 14.3 | 14.8 | 20.4 | 92.8 | 71.2 | 213.6 |
| 1996-2000 | 6.8 | 11.7 | 19.1 | 94.0 | 63.0 | 194.6 |
| 2001 | 8.6 | 16.0 | 30.8 | 71.5 | 38.2 | 165.1 |
| 2002 | 3.9 | 17.7 | 31.8 | 88.8 | 67.9 | 210.1 |
| 2003 | 2.2 | 13.6 | 23.7 | 66.6 | 28.5 | 134.6 |
| 2004 | 3.2 | 22.4 | 30.6 | 106.1 | 56.5 | 218.7 |
| 2005 | 2.5 | 14.8 | 24.3 | 84.8 | 45.7 | 172.1 |
| 2006 | 1.5 | 15.0 | 21.0 | 61.4 | 27.7 | 126.5 |
| 2007 | 2.1 | 18.4 | 17.1 | 43.1 | 25.2 | 105.9 |
| 2008 | - | - | 0.4 | - | - | 0.4 |
| 2009 | 1.1 | 4.3 | - | - | - | 5.4 |
| 2010 | 0.2 | 4.0 | 6.6 | 19.4 | 18.5 | 48.7 |
| 2011 ^{b/} | 0.8 | 14.1 | 14.3 | 34.1 | 27.8 | 91.1 |

a/ Fewer than 50 angler trips.

b/ Preliminary.

TABLE IV-12. Estimates of Oregon recreational ocean salmon angler trips (thousands) by port area and boat type.

| Year or Avg. | Astoria | Tillamook | Newport | Coos Bay | Brookings | State Total |
|-------------------------|---------|-----------|---------|----------|-----------|-------------|
| CHARTER TRIPS | | | | | | |
| 1979 | 18.5 | 2.8 | 26.7 | 22.7 | 3.0 | 73.7 |
| 1980 | 26.3 | 3.7 | 26.7 | 19.6 | 2.8 | 79.1 |
| 1981-1985 | 10.3 | 3.0 | 17.2 | 11.9 | 3.3 | 45.7 |
| 1986-1990 | 7.1 | 5.3 | 27.5 | 13.0 | 3.6 | 56.5 |
| 1991-1995 ^{a/} | 4.3 | 1.6 | 7.9 | 3.5 | 0.7 | 18.0 |
| 1996-2000 | 1.3 | 0.4 | 2.4 | 0.6 | 0.6 | 5.3 |
| 2001 | 4.3 | 1.4 | 8.8 | 3.0 | 0.7 | 18.2 |
| 2002 | 3.1 | 1.6 | 7.1 | 3.5 | 0.3 | 15.7 |
| 2003 | 3.9 | 2.0 | 13.0 | 4.0 | 0.5 | 23.4 |
| 2004 | 3.0 | 2.5 | 11.1 | 3.8 | 0.6 | 21.1 |
| 2005 | 2.3 | 1.0 | 3.7 | 2.6 | 0.3 | 9.9 |
| 2006 | 2.1 | 0.6 | 3.0 | 2.0 | 0.3 | 8.0 |
| 2007 | 2.6 | 1.1 | 5.6 | 1.9 | 0.2 | 11.4 |
| 2008 | 0.7 | 0.1 | 0.9 | 0.1 | 0.1 | 1.9 |
| 2009 | 2.7 | 1.3 | 8.1 | 0.3 | 0.2 | 12.6 |
| 2010 | 1.8 | 0.4 | 2.8 | 0.1 | 0.1 | 5.0 |
| 2011 ^{b/} | 1.6 | 0.5 | 3.6 | 0.1 | 0.1 | 5.9 |
| PRIVATE TRIPS | | | | | | |
| 1979 | 24.3 | 16.3 | 45.4 | 52.9 | 48.8 | 187.7 |
| 1980 | 20.1 | 29.3 | 56.6 | 65.2 | 47.7 | 218.9 |
| 1981-1985 | 15.6 | 27.1 | 40.4 | 51.8 | 53.0 | 187.9 |
| 1986-1990 | 10.6 | 23.7 | 47.1 | 48.4 | 54.8 | 184.5 |
| 1991-1995 ^{a/} | 8.5 | 12.0 | 17.0 | 22.4 | 22.0 | 82.0 |
| 1996-2000 | 4.1 | 7.7 | 3.0 | 7.6 | 17.8 | 40.3 |
| 2001 | 19.0 | 15.1 | 14.8 | 28.1 | 25.4 | 102.4 |
| 2002 | 9.0 | 22.8 | 10.9 | 29.9 | 19.4 | 91.9 |
| 2003 | 15.4 | 26.0 | 26.5 | 38.9 | 14.3 | 121.1 |
| 2004 | 15.6 | 26.8 | 27.9 | 36.7 | 17.7 | 124.6 |
| 2005 | 11.0 | 11.1 | 9.7 | 22.1 | 12.3 | 66.1 |
| 2006 | 6.2 | 15.3 | 7.4 | 15.2 | 10.4 | 54.4 |
| 2007 | 9.8 | 20.0 | 15.2 | 21.0 | 10.9 | 76.9 |
| 2008 | 2.9 | 9.0 | 4.6 | 7.3 | 4.7 | 28.5 |
| 2009 | 9.5 | 21.1 | 21.5 | 14.1 | 5.8 | 71.9 |
| 2010 | 8.5 | 13.1 | 12.2 | 8.6 | 5.9 | 48.3 |
| 2011 ^{b/} | 5.8 | 12.3 | 8.3 | 10.2 | 6.2 | 42.8 |
| TOTAL TRIPS | | | | | | |
| 1979 | 42.8 | 19.1 | 72.1 | 75.6 | 51.8 | 261.4 |
| 1980 | 46.4 | 33.0 | 83.3 | 84.8 | 50.5 | 298.0 |
| 1981-1985 | 26.0 | 30.0 | 57.5 | 63.7 | 56.3 | 233.5 |
| 1986-1990 | 17.7 | 29.0 | 74.6 | 61.4 | 58.4 | 241.0 |
| 1991-1995 ^{a/} | 12.8 | 13.6 | 24.9 | 26.0 | 22.7 | 100.0 |
| 1996-2000 | 5.4 | 8.1 | 5.3 | 8.3 | 18.4 | 45.6 |
| 2001 | 23.3 | 16.5 | 23.6 | 31.1 | 26.1 | 120.6 |
| 2002 | 12.1 | 24.4 | 18.1 | 33.4 | 19.7 | 107.6 |
| 2003 | 19.3 | 28.0 | 39.6 | 42.9 | 14.8 | 144.5 |
| 2004 | 18.6 | 29.3 | 39.0 | 40.5 | 18.3 | 145.7 |
| 2005 | 13.3 | 12.1 | 13.4 | 24.6 | 12.6 | 76.0 |
| 2006 | 8.2 | 15.9 | 10.4 | 17.2 | 10.6 | 62.3 |
| 2007 | 12.4 | 21.0 | 20.8 | 23.0 | 11.1 | 88.3 |
| 2008 | 3.7 | 9.1 | 5.4 | 7.4 | 4.8 | 30.4 |
| 2009 | 12.3 | 22.4 | 29.6 | 14.4 | 5.9 | 84.5 |
| 2010 | 10.3 | 13.5 | 15.0 | 8.6 | 6.0 | 53.3 |
| 2011 ^{b/} | 7.4 | 12.8 | 12.0 | 10.3 | 6.3 | 48.8 |

a/ The fishery north of Cape Falcon was closed in 1994, and it is assumed that no trips were taken out of Astoria into the south of Cape Falcon area. No samplers were stationed in Astoria.

b/ Preliminary.

TABLE IV-13. Estimates of Washington recreational ocean salmon angler trips (thousands) by port area and boat type.

| Year or Avg. | Neah Bay ^{a/} | La Push | Westport | Ilwaco ^{b/} | State Total |
|----------------------|------------------------|---------|----------|----------------------|-------------|
| CHARTER TRIPS | | | | | |
| 1984 ^{c/} | 0.3 | - | 11.6 | 18.0 | 29.9 |
| 1985 ^{c/} | 2.0 | - | 42.2 | 20.7 | 64.9 |
| 1986-1990 | 2.0 | - | 35.7 | 15.9 | 53.5 |
| 1991-1995 | 0.7 | 0.1 | 19.4 | 7.9 | 28.0 |
| 1996-2000 | 0.3 | 0.1 | 9.7 | 3.6 | 13.6 |
| 2001 | 1.4 | 0.3 | 25.6 | 13.9 | 41.2 |
| 2002 | 1.5 | 0.4 | 24.5 | 10.6 | 37.0 |
| 2003 | 2.0 | 0.9 | 27.3 | 14.3 | 44.5 |
| 2004 | 1.9 | 0.6 | 22.5 | 11.4 | 36.5 |
| 2005 | 1.2 | 0.6 | 20.5 | 9.4 | 31.7 |
| 2006 | 0.5 | 0.5 | 15.4 | 8.0 | 24.5 |
| 2007 | 0.6 | 0.4 | 15.7 | 10.1 | 26.7 |
| 2008 | 0.3 | 0.2 | 9.9 | 3.7 | 14.2 |
| 2009 | 0.5 | 0.7 | 18.5 | 9.7 | 29.4 |
| 2010 | 0.4 | 0.6 | 18.4 | 7.0 | 26.5 |
| 2011 ^{d/} | 0.5 | 0.7 | 14.1 | 6.9 | 22.2 |
| PRIVATE TRIPS | | | | | |
| 1984 ^{c/} | 8.3 | 0.2 | 2.3 | 36.0 | 46.8 |
| 1985 ^{c/} | 15.2 | 1.5 | 13.7 | 19.4 | 49.8 |
| 1986-1990 | 16.9 | 2.5 | 16.6 | 23.4 | 59.4 |
| 1991-1995 | 16.4 | 2.8 | 18.5 | 25.4 | 63.1 |
| 1996-2000 | 8.8 | 1.6 | 12.7 | 12.8 | 35.8 |
| 2001 | 16.6 | 3.1 | 24.1 | 28.7 | 72.4 |
| 2002 | 12.2 | 3.0 | 16.9 | 25.3 | 57.4 |
| 2003 | 18.4 | 3.5 | 20.7 | 32.9 | 75.5 |
| 2004 | 24.2 | 3.9 | 15.7 | 29.3 | 73.1 |
| 2005 | 17.2 | 4.4 | 14.7 | 22.6 | 58.9 |
| 2006 | 12.9 | 3.6 | 9.1 | 13.5 | 39.1 |
| 2007 | 12.8 | 2.9 | 10.2 | 20.0 | 45.9 |
| 2008 | 5.3 | 1.9 | 8.8 | 6.3 | 22.2 |
| 2009 | 16.0 | 4.4 | 19.3 | 29.8 | 69.5 |
| 2010 | 11.1 | 3.2 | 20.0 | 20.1 | 54.4 |
| 2011 ^{d/} | 10.6 | 3.6 | 19.4 | 15.7 | 49.2 |
| TOTAL TRIPS | | | | | |
| 1984 ^{c/} | 8.6 | 0.2 | 13.9 | 54.0 | 76.7 |
| 1985 ^{c/} | 17.2 | 1.5 | 55.9 | 40.1 | 114.7 |
| 1986-1990 | 18.9 | 2.5 | 52.3 | 39.3 | 113.0 |
| 1991-1995 | 17.1 | 2.9 | 37.9 | 33.3 | 91.1 |
| 1996-2000 | 9.1 | 1.6 | 22.4 | 16.4 | 49.4 |
| 2001 | 17.9 | 3.4 | 49.7 | 42.5 | 113.6 |
| 2002 | 13.7 | 3.4 | 41.4 | 35.9 | 94.4 |
| 2003 | 20.4 | 4.4 | 48.0 | 47.1 | 120.0 |
| 2004 | 26.1 | 4.6 | 38.2 | 40.6 | 109.5 |
| 2005 | 18.5 | 4.9 | 35.2 | 32.1 | 90.6 |
| 2006 | 13.4 | 4.1 | 24.5 | 21.5 | 63.6 |
| 2007 | 13.4 | 3.3 | 25.9 | 30.1 | 72.7 |
| 2008 | 5.6 | 2.1 | 18.7 | 10.0 | 36.4 |
| 2009 | 16.5 | 5.1 | 37.8 | 39.5 | 98.9 |
| 2010 | 11.5 | 3.8 | 38.4 | 27.0 | 80.8 |
| 2011 ^{d/} | 11.1 | 4.2 | 33.5 | 22.5 | 71.4 |

a/ Does not include effort from the late-season state water Area 4B fishery, when open.

b/ Does not include effort from the Columbia River Jetty.

c/ Values for 1984 and 1985 include some Columbia River fishing after closure of the ocean fishery.

d/ Preliminary.

TABLE IV-14. Oregon and Washington recreational salmon, bottomfish, and sturgeon angler trips (thousands) by ocean port area and boat type for the area north of Cape Falcon.
(Page 1 of 3)

| Year | Columbia River and Buoy 10 | | | | | Westport | | | La Push | | | Neah Bay and Area 4B Add-On | | |
|----------------------|----------------------------|---------|----------|-------|-------|----------|---------|-------|---------|---------|-------|-----------------------------|---------|-------|
| | Charter | Private | Subtotal | Jetty | Total | Charter | Private | Total | Charter | Private | Total | Charter | Private | Total |
| SALMON EFFORT | | | | | | | | | | | | | | |
| 1984 | NA | NA | - | NA | 54.0 | 11.6 | 2.3 | 13.9 | 0.0 | 0.2 | 0.2 | 0.3 | 8.3 | 8.6 |
| 1985 | NA | NA | - | NA | 90.3 | 42.2 | 13.7 | 55.9 | 0.0 | 1.5 | 1.5 | 2.0 | 15.2 | 17.2 |
| 1986 | NA | NA | - | NA | 144.3 | 36.6 | 14.8 | 51.4 | 0.0 | 1.7 | 1.7 | 2.4 | 17.4 | 19.8 |
| 1987 | 39.5 | 130.0 | 169.5 | 12.4 | 181.9 | 34.1 | 9.8 | 43.9 | 0.0 | 2.0 | 2.0 | 1.9 | 17.8 | 19.7 |
| 1988 | 34.5 | 154.4 | 188.9 | 16.9 | 205.8 | 23.5 | 13.9 | 37.4 | 0.0 | 2.8 | 2.8 | 2.0 | 14.8 | 16.8 |
| 1989 | 40.4 | 169.2 | 209.6 | 22.9 | 232.5 | 40.8 | 18.7 | 59.5 | 0.0 | 1.6 | 1.6 | 2.8 | 25.5 | 28.3 |
| 1990 | 32.8 | 128.7 | 161.5 | 5.7 | 167.2 | 43.4 | 25.9 | 69.3 | 0.0 | 4.2 | 4.2 | 3.0 | 30.8 | 33.8 |
| 1991 | 37.9 | 172.7 | 210.6 | 35.5 | 246.1 | 28.6 | 24.2 | 52.8 | 0.2 | 3.3 | 3.5 | 1.9 | 23.5 | 25.4 |
| 1992 | 22.3 | 116.6 | 138.9 | 28.4 | 167.3 | 28.1 | 25.6 | 53.7 | 0.2 | 2.3 | 2.5 | 1.1 | 18.6 | 19.7 |
| 1993 | 20.2 | 103.3 | 123.5 | 24.6 | 148.1 | 27.4 | 23.5 | 50.9 | 0.1 | 2.8 | 2.9 | 1.6 | 25.7 | 27.3 |
| 1994 | 0.5 | 6.3 | 6.8 | 3.6 | 10.4 | - | - | - | - | - | - | - | - | - |
| 1995 | 9.0 | 43.4 | 52.4 | 8.5 | 60.9 | 12.7 | 9.0 | 21.7 | 0.1 | 1.4 | 1.5 | 0.3 | 9.2 | 9.5 |
| 1996 | 7.3 | 26.8 | 34.1 | 7.5 | 41.6 | 10.3 | 5.2 | 15.5 | a/ | 1.3 | 1.3 | 0.3 | 10.6 | 10.9 |
| 1997 | 8.4 | 53.0 | 61.3 | 7.4 | 68.7 | 10.0 | 7.3 | 17.3 | 0.1 | 0.9 | 0.9 | 0.2 | 4.6 | 4.8 |
| 1998 | 3.2 | 30.7 | 33.9 | 3.6 | 37.5 | 4.5 | 3.5 | 8.0 | 0.0 | 0.6 | 0.6 | 0.1 | 6.3 | 6.4 |
| 1999 | 8.7 | 63.9 | 72.6 | 6.2 | 78.8 | 11.5 | 7.6 | 19.1 | 0.1 | 2.9 | 2.9 | 0.5 | 7.6 | 8.1 |
| 2000 | 9.8 | 82.2 | 92.0 | 7.0 | 99.0 | 12.2 | 7.7 | 19.8 | 0.1 | 1.8 | 2.0 | 1.1 | 10.3 | 11.4 |
| 2001 | 22.5 | 165.0 | 187.5 | 17.0 | 204.5 | 25.6 | 24.1 | 49.7 | 0.3 | 3.1 | 3.4 | 1.4 | 16.8 | 18.1 |
| 2002 | 15.2 | 115.1 | 130.3 | 2.8 | 133.1 | 44.5 | 16.9 | 41.4 | 0.4 | 3.0 | 3.4 | 1.5 | 12.2 | 13.7 |
| 2003 | 19.3 | 133.3 | 152.7 | 7.2 | 159.8 | 27.3 | 20.7 | 48.0 | 0.9 | 3.5 | 4.4 | 2.0 | 18.4 | 20.4 |
| 2004 | 15.8 | 113.3 | 129.2 | 3.2 | 132.3 | 22.5 | 15.7 | 38.2 | 0.6 | 3.9 | 4.6 | 1.9 | 24.2 | 26.1 |
| 2005 | 12.0 | 88.5 | 100.5 | c/ | 100.5 | 20.5 | 14.7 | 35.2 | 0.6 | 4.4 | 4.9 | 1.2 | 17.2 | 18.5 |
| 2006 | 10.4 | 59.8 | 70.2 | 1.7 | 71.9 | 15.4 | 9.1 | 24.5 | 0.5 | 3.6 | 4.1 | 0.5 | 12.9 | 13.4 |
| 2007 | 13.6 | 64.2 | 77.8 | c/ | 77.8 | 15.7 | 10.2 | 25.9 | 0.4 | 2.9 | 3.3 | 0.6 | 12.8 | 13.4 |
| 2008 | 5.5 | 40.7 | 46.1 | 0.4 | 46.5 | 9.9 | 8.8 | 18.7 | 0.2 | 1.9 | 2.1 | 0.3 | 6.1 | 6.4 |
| 2009 | 13.1 | 109.9 | 122.9 | 2.6 | 125.5 | 18.5 | 19.3 | 37.8 | 0.7 | 4.4 | 5.1 | 0.5 | 16.0 | 16.5 |
| 2010 | 8.9 | 79.9 | 88.9 | 0.1 | 89.0 | 18.4 | 20.0 | 38.4 | 0.6 | 3.2 | 3.8 | 0.4 | 11.1 | 11.5 |
| 2011 ^{b/} | 10.6 | 76.2 | 86.7 | 2.2 | 88.9 | 14.1 | 19.4 | 33.5 | 0.7 | 3.6 | 4.2 | 0.5 | 10.6 | 11.1 |

TABLE IV-14. Oregon and Washington recreational salmon, bottomfish, and sturgeon angler trips (thousands) by ocean port area and boat type for the area north of Cape Falcon. (Page 2 of 3)

| Year | Columbia River and Buoy 10 | | | | | Westport | | | La Push | | | Neah Bay and Area 4B Add-On | | |
|---------------------------------------|----------------------------|---------|----------|-------|-------|----------|---------|-------|---------|---------|-------|-----------------------------|---------|-------|
| | Charter | Private | Subtotal | Jetty | Total | Charter | Private | Total | Charter | Private | Total | Charter | Private | Total |
| BOTTOMFISH EFFORT^{d/} | | | | | | | | | | | | | | |
| 1984 | 2.1 | 0.1 | 2.2 | - | - | 12.4 | 0.5 | 12.9 | 0.0 | 0.0 | 0.0 | 1.8 | 12.3 | 14.1 |
| 1985 | 1.9 | 0.2 | 2.1 | - | - | 15.3 | 1.0 | 16.3 | 0.0 | 0.1 | 0.1 | 3.0 | 10.6 | 13.6 |
| 1986 | 1.7 | 0.2 | 1.9 | - | - | 19.6 | 0.8 | 20.4 | 0.0 | 0.2 | 0.2 | 3.5 | 11.4 | 14.9 |
| 1987 | 1.7 | 0.3 | 2.0 | 0.5 | 2.5 | 21.1 | 1.2 | 22.3 | 0.0 | 0.5 | 0.5 | 5.6 | 16.0 | 21.6 |
| 1988 | 2.1 | 0.2 | 2.3 | 0.8 | 3.1 | 24.4 | 1.1 | 25.5 | 0.0 | 0.7 | 0.7 | 5.7 | 14.8 | 20.5 |
| 1989 | 1.2 | 0.6 | 1.8 | 1.5 | 3.3 | 19.3 | 1.0 | 20.3 | 0.0 | 0.6 | 0.6 | 6.8 | 16.3 | 23.1 |
| 1990 | 1.4 | 0.3 | 1.7 | 2.4 | 4.1 | 21.8 | 0.8 | 22.6 | 0.0 | 0.8 | 0.8 | 6.4 | 18.1 | 24.5 |
| 1991 | 1.3 | 0.4 | 1.7 | 1.8 | 3.5 | 23.5 | 1.1 | 24.6 | 0.0 | 0.9 | 0.9 | 5.9 | 18.2 | 24.1 |
| 1992 | 1.4 | 0.5 | 1.9 | 2.3 | 4.1 | 20.5 | 2.2 | 22.7 | 0.0 | 1.5 | 1.5 | 4.8 | 19.1 | 23.9 |
| 1993 | 2.2 | 0.6 | 2.8 | 2.6 | 5.4 | 21.5 | 1.8 | 23.0 | 0.1 | 1.1 | 1.2 | 5.1 | 19.2 | 24.3 |
| 1994 | 2.7 | 0.7 | 3.3 | 2.7 | 6.0 | 26.0 | 1.7 | 27.7 | 0.2 | 1.9 | 2.1 | 4.1 | 15.0 | 19.1 |
| 1995 | 1.3 | 0.9 | 2.3 | 2.2 | 4.4 | 21.1 | 1.6 | 22.7 | a/ | 1.6 | 1.6 | 4.1 | 19.2 | 23.3 |
| 1996 ^{e/f/} | 1.2 | 0.5 | 1.7 | 1.7 | 3.4 | 21.4 | 1.2 | 22.6 | 0.0 | 1.6 | 1.6 | 4.8 | 21.0 | 25.8 |
| 1997 | 1.2 | 0.7 | 2.0 | 2.5 | 4.4 | 19.2 | 1.4 | 20.6 | 0.0 | 2.2 | 2.2 | 4.9 | 22.7 | 27.7 |
| 1998 | 1.8 | 0.5 | 2.3 | 0.9 | 3.2 | 21.5 | 1.3 | 22.8 | 0.0 | 1.2 | 1.2 | 5.1 | 23.9 | 29.0 |
| 1999 | 1.0 | 0.5 | 1.5 | 0.5 | 2.0 | 17.1 | 1.2 | 18.3 | 0.1 | 1.0 | 1.1 | 4.5 | 20.3 | 24.9 |
| 2000 | 1.2 | 0.6 | 1.8 | 0.5 | 2.3 | 16.7 | 0.9 | 17.6 | 0.2 | 1.3 | 1.5 | 4.5 | 20.1 | 24.6 |
| 2001 | 2.8 | 0.4 | 3.2 | 0.9 | 4.1 | 13.9 | 1.2 | 15.1 | 0.3 | 0.9 | 1.2 | 4.7 | 16.5 | 21.2 |
| 2002 | 14.3 | 0.5 | 1.9 | 0.8 | 2.8 | 14.9 | 1.2 | 16.1 | 0.3 | 1.2 | 1.6 | 4.0 | 15.7 | 19.7 |
| 2003 | 2.4 | 0.5 | 2.9 | 0.9 | 3.8 | 16.3 | 1.8 | 18.2 | 1.0 | 2.5 | 3.6 | 5.2 | 21.4 | 26.6 |
| 2004 | 2.4 | 0.8 | 3.2 | 0.3 | 3.5 | 14.8 | 1.7 | 16.5 | 0.4 | 1.7 | 2.1 | 3.5 | 15.2 | 18.7 |
| 2005 | 2.5 | 1.1 | 3.7 | c/ | 3.7 | 15.5 | 1.8 | 17.3 | 0.5 | 2.5 | 3.0 | 3.5 | 18.8 | 22.4 |
| 2006 | 3.6 | 1.2 | 4.9 | 0.9 | 5.7 | 17.7 | 1.8 | 19.5 | 0.3 | 2.8 | 3.1 | 4.4 | 16.9 | 21.3 |
| 2007 | 3.1 | 1.5 | 4.6 | c/ | 4.6 | 16.2 | 1.6 | 17.7 | 0.5 | 2.5 | 3.0 | 4.3 | 15.7 | 20.0 |
| 2008 | 2.9 | 2.0 | 4.9 | 0.4 | 5.3 | 15.5 | 1.7 | 17.2 | 1.0 | 2.3 | 3.3 | 2.3 | 16.2 | 18.5 |
| 2009 | 2.1 | 1.3 | 3.3 | 0.3 | 3.6 | 13.0 | 2.2 | 15.2 | 0.7 | 2.7 | 3.4 | 1.5 | 13.6 | 15.1 |
| 2010 | 2.9 | 1.7 | 4.7 | 0.5 | 5.2 | 11.7 | 1.8 | 13.5 | 0.7 | 3.6 | 4.3 | 1.2 | 15.4 | 16.6 |
| 2011 ^{b/} | 2.9 | 1.6 | 4.5 | 0.9 | 5.4 | 13.9 | 2.4 | 16.3 | 0.5 | 4.8 | 5.3 | 1.2 | 14.2 | 15.4 |

TABLE IV-14. Oregon and Washington recreational salmon, bottomfish, and sturgeon angler trips (thousands) by ocean port area and boat type for the area north of Cape Falcon. (Page 3 of 3)

| Year | Columbia River and Buoy 10 | | | | | Westport | | | La Push | | | Neah Bay and Area 4B Add-On | | |
|-------------------------------------|----------------------------|---------|----------|-------|-------|----------|---------|-------|---------|---------|-------|-----------------------------|---------|-------|
| | Charter | Private | Subtotal | Jetty | Total | Charter | Private | Total | Charter | Private | Total | Charter | Private | Total |
| STURGEON EFFORT^{g/} | | | | | | | | | | | | | | |
| 1984 | 1.7 | 28.4 | 30.1 | - | 30.1 | - | - | - | - | - | - | - | - | - |
| 1985 | 5.0 | 31.2 | 36.2 | - | 36.2 | - | - | - | - | - | - | - | - | - |
| 1986 | 5.7 | 35.7 | 41.4 | - | 41.4 | - | - | - | - | - | - | - | - | - |
| 1987 | 6.0 | 43.2 | 49.2 | - | 49.2 | - | - | - | - | - | - | - | - | - |
| 1988 | 6.2 | 32.4 | 38.5 | - | 38.5 | - | - | - | - | - | - | - | - | - |
| 1989 | 4.3 | 22.0 | 26.3 | - | 26.3 | - | - | - | - | - | - | - | - | - |
| 1990 | 3.9 | 28.0 | 31.9 | - | 31.9 | - | - | - | - | - | - | - | - | - |
| 1991 | 3.6 | 26.0 | 29.7 | - | 29.7 | - | - | - | - | - | - | - | - | - |
| 1992 | 5.0 | 38.3 | 43.3 | - | 43.3 | - | - | - | - | - | - | - | - | - |
| 1993 | 6.1 | 48.6 | 54.6 | - | 54.6 | - | - | - | - | - | - | - | - | - |
| 1994 | 7.5 | 40.4 | 47.8 | - | 47.8 | - | - | - | - | - | - | - | - | - |
| 1995 | 7.7 | 55.2 | 62.9 | - | 62.9 | - | - | - | - | - | - | - | - | - |
| 1996 | 11.1 | 45.2 | 56.3 | - | 56.3 | - | - | - | - | - | - | - | - | - |
| 1997 | 12.2 | 48.4 | 60.7 | - | 60.7 | - | - | - | - | - | - | - | - | - |
| 1998 | 14.2 | 64.3 | 78.5 | - | 78.5 | - | - | - | - | - | - | - | - | - |
| 1999 | 13.2 | 57.1 | 70.3 | - | 70.3 | - | - | - | - | - | - | - | - | - |
| 2000 | 11.6 | 52.1 | 63.7 | - | 63.7 | - | - | - | - | - | - | - | - | - |
| 2001 | 10.8 | 40.9 | 51.7 | - | 51.7 | - | - | - | - | - | - | - | - | - |
| 2002 | 9.9 | 45.9 | 55.8 | - | 55.8 | - | - | - | - | - | - | - | - | - |
| 2003 | 6.6 | 38.1 | 44.7 | - | 44.7 | - | - | - | - | - | - | - | - | - |
| 2004 | 7.4 | 32.2 | 39.6 | - | 39.6 | - | - | - | - | - | - | - | - | - |
| 2005 | 8.7 | 51.2 | 59.9 | - | 59.9 | - | - | - | - | - | - | - | - | - |
| 2006 | 6.7 | 37.3 | 44.0 | - | 44.0 | - | - | - | - | - | - | - | - | - |
| 2007 | 7.9 | 39.8 | 47.7 | - | 47.7 | - | - | - | - | - | - | - | - | - |
| 2008 | 7.5 | 38.5 | 46.0 | - | 46.0 | - | - | - | - | - | - | - | - | - |
| 2009 | 6.1 | 43.0 | 49.1 | - | 49.1 | - | - | - | - | - | - | - | - | - |
| 2010 | 5.4 | 31.4 | 36.8 | - | 36.8 | - | - | - | - | - | - | - | - | - |
| 2011 ^{b/} | 3.6 | 21.7 | 25.3 | - | 25.3 | - | - | - | - | - | - | - | - | - |

a/ Fewer than 50 angler trips.

b/ Preliminary.

c/ Columbia River north jetty was not sampled in 2005 and 2007 due to construction limiting access.

d/ Oregon data is a minimum estimate, as the jetty is not sampled, and bottomfish sampling of vessels only occurs when the ocean is open for salmon.

e/ No Oregon bottomfish trips are included.

f/ Includes tuna trips: Ilwaco - 9 charter, 14 private; Westport - 784 charter, 0 private.

g/ Annual sturgeon angler trips for the lower Columbia River from the western tip of Puget Island to mouth.

TABLE IV-15. Buoy 10^{ab/} and Area 4B add-on recreational salmon angler trips and catch by boat type. (Page 1 of 2)

| Year or Avg. | Angler Trips | | | Chinook Catch | | | Coho Catch | | | Pink Catch | |
|---------------------------|--------------|---------|-------|---------------|---------|-------|------------|---------|-------|------------|---------|
| | Charter | Private | Jetty | Charter | Private | Jetty | Charter | Private | Jetty | Charter | Private |
| OREGON BUOY 10 | | | | | | | | | | | |
| 1987-1990 | 4,002 | 38,619 | 4,029 | 793 | 6,415 | 29 | 3,292 | 18,348 | 690 | 0 | 0 |
| 1991-1995 | 1,528 | 21,547 | 4,555 | 122 | 1,318 | 30 | 1,625 | 14,520 | 1,389 | 0 | 0 |
| 1996-2000 | 626 | 15,760 | 1,832 | 126 | 2,712 | 3 | 206 | 3,764 | 353 | 0 | 0 |
| 2001 | 1,616 | 54,444 | 4,115 | 47 | 5,578 | 10 | 1,481 | 56,403 | 523 | 0 | 0 |
| 2002 | 512 | 39,943 | 1,589 | 31 | 10,728 | - | 2 | 3,058 | 52 | 0 | 0 |
| 2003 | 991 | 45,461 | 2,315 | 47 | 7,903 | - | 624 | 28,518 | 526 | 0 | 0 |
| 2004 | 66 | 33,092 | 1,170 | 19 | 9,191 | - | 17 | 7,585 | 47 | 0 | 0 |
| 2005 | 135 | 33,051 | 935 | 18 | 6,875 | 6 | 51 | 4,785 | 36 | 0 | 0 |
| 2006 | 37 | 24,194 | 1,457 | 1 | 1,350 | - | - | 2,800 | - | 0 | 0 |
| 2007 | 156 | 19,983 | 793 | 6 | 2,511 | - | 38 | 4,841 | 97 | 0 | 0 |
| 2008 | 198 | 19,020 | - | 43 | 5,608 | - | 69 | 4,487 | - | 0 | 0 |
| 2009 | 182 | 39,425 | 1,684 | 1 | 3,550 | 16 | 164 | 27,000 | 466 | 0 | 0 |
| 2010 | 82 | 30,159 | 710 | 2 | 4,537 | 11 | 8 | 5,171 | 22 | 0 | 0 |
| 2011 ^{c/} | 70 | 30,074 | 1,705 | 3 | 7,150 | 34 | 6 | 5,029 | 315 | 0 | 0 |
| WASHINGTON BUOY 10 | | | | | | | | | | | |
| 1987-1990 | 10,678 | 71,927 | 6,567 | 1,907 | 14,398 | 68 | 8,353 | 40,415 | 1,627 | 1 | 11 |
| 1991-1995 | 4,162 | 41,770 | 5,908 | 466 | 3,710 | 42 | 5,178 | 31,681 | 1,426 | 0 | 16 |
| 1996-2000 | 1,957 | 23,952 | 1,045 | 393 | 3,999 | 24 | 950 | 6,305 | 82 | 0 | 0 |
| 2001 | 2,765 | 62,944 | - | - | 6,791 | - | 3,282 | 70,349 | - | 0 | 0 |
| 2002 | 1,001 | 40,927 | 485 | 232 | 8,424 | 26 | 98 | 3,023 | - | 0 | 0 |
| 2003 | 216 | 39,844 | - | 22 | 8,344 | - | 139 | 24,633 | - | 0 | 0 |
| 2004 | 685 | 33,805 | - | 45 | 6,791 | - | 139 | 7,381 | - | 0 | 0 |
| 2005 | 183 | 20,879 | - | 5 | 2,383 | - | 34 | 1,972 | - | 0 | 0 |
| 2006 | 421 | 14,597 | - | 5 | 351 | - | 8 | 879 | - | 0 | 0 |
| 2007 | 711 | 14,421 | - | 33 | 1,226 | - | 343 | 3,037 | - | 0 | 0 |
| 2008 | 804 | 12,445 | - | 154 | 2,544 | - | 436 | 3,581 | - | 0 | 0 |
| 2009 | 389 | 31,123 | - | 4 | 2,369 | - | 312 | 20,185 | - | 0 | 0 |
| 2010 | 106 | 21,241 | - | 7 | 2,250 | - | 11 | 2,767 | - | 0 | 0 |
| 2011 ^{c/} | 372 | 17,188 | - | 43 | 3,689 | - | 70 | 2,194 | - | 0 | 0 |

TABLE IV-15. Buoy 10^{a/b/} and Area 4B add-on recreational salmon angler trips and catch by boat type. (Page 2 of 2)

| Year or Avg. | Angler Trips | | | Chinook Catch | | | Coho Catch | | | Pink Catch | |
|--|--------------|---------|--------|---------------|---------|-------|------------|---------|-------|------------|---------|
| | Charter | Private | Jetty | Charter | Private | Jetty | Charter | Private | Jetty | Charter | Private |
| TOTAL BUOY 10 | | | | | | | | | | | |
| 1987-1990 | 14,680 | 110,547 | 10,596 | 2,700 | 20,812 | 98 | 11,645 | 58,763 | 2,317 | 1 | 11 |
| 1991-1995 | 5,690 | 63,317 | 10,463 | 588 | 5,029 | 72 | 6,803 | 46,201 | 2,814 | 0 | 16 |
| 1996-2000 | 2,583 | 39,712 | 2,877 | 519 | 6,710 | 27 | 1,157 | 10,070 | 435 | 0 | 0 |
| 2001 | 4,381 | 117,388 | 4,115 | 47 | 12,369 | 10 | 4,763 | 126,752 | 523 | 0 | 0 |
| 2002 | 1,513 | 80,870 | 2,074 | 263 | 19,152 | 26 | 100 | 6,081 | 52 | 0 | 0 |
| 2003 | 1,207 | 85,305 | 2,315 | 69 | 16,247 | 0 | 763 | 53,151 | 526 | 0 | 0 |
| 2004 | 751 | 66,897 | 1,170 | 64 | 15,982 | 0 | 156 | 14,966 | 47 | 0 | 0 |
| 2005 | 318 | 53,930 | 935 | 23 | 9,258 | 6 | 85 | 6,757 | 36 | 0 | 0 |
| 2006 | 458 | 38,791 | 1,457 | 6 | 1,701 | 0 | 8 | 3,679 | 0 | 0 | 0 |
| 2007 | 867 | 34,404 | 793 | 39 | 3,737 | 0 | 381 | 7,878 | 97 | 0 | 0 |
| 2008 | 1,002 | 31,465 | 0 | 197 | 8,152 | 0 | 505 | 8,068 | 0 | 0 | 0 |
| 2009 | 571 | 70,548 | 1,684 | 5 | 5,919 | 16 | 476 | 47,185 | 466 | 0 | 0 |
| 2010 | 188 | 51,400 | 710 | 9 | 6,787 | 11 | 19 | 7,938 | 22 | 0 | 0 |
| 2011 ^{c/} | 442 | 47,262 | 1,705 | 46 | 10,839 | 34 | 76 | 7,223 | 315 | 0 | 0 |
| TOTAL AREA 4B ADD-ON^{d/} | | | | | | | | | | | |
| 1989-1990 | 1,084 | 10,941 | - | 62 | 375 | - | 2,095 | 18,021 | - | 36 | 212 |
| 1991-1995 | 429 | 6,852 | - | 12 | 153 | - | 725 | 9,188 | - | 73 | 970 |
| 1996 | 36 | 1,511 | - | - | 5 | - | 61 | 2,266 | - | 0 | 0 |
| 1997 | 136 | 1,788 | - | - | 4 | - | 65 | 1,429 | - | 139 | 412 |
| 1998 | 71 | 6,296 | - | 5 | 98 | - | 125 | 7,937 | - | 0 | 3 |
| 1999 ^{e/} | - | - | - | - | - | - | - | - | - | 0 | 0 |
| 2000 | 373 | 3,046 | - | - | 8 | - | 614 | 3,796 | - | 0 | 0 |
| 2001-2005 ^{f/} | - | - | - | - | - | - | - | - | - | 0 | 0 |
| 2006 ^{e/} | - | - | - | - | - | - | - | - | - | 0 | 0 |
| 2007 ^{f/} | - | - | - | - | - | - | - | - | - | 0 | 0 |
| 2008 | - | 782 | - | - | 11 | - | - | 137 | - | 0 | 0 |
| 2009 ^{f/} | - | - | - | - | - | - | - | - | - | 0 | 0 |
| 2010 ^{f/} | - | - | - | - | - | - | - | - | - | 0 | 0 |
| 2011 ^{f/} | - | - | - | - | - | - | - | - | - | 0 | 0 |

a/ Starting in 2000, includes catch upstream from the Astoria-Megler Bridge to the new boundary line from Tongue Point, Oregon to Rocky Point, Washington. Prior to 2000 includes only downstream from the Astoria-Megler Bridge.

b/ Prior to 1987, data on charter and private anglers were combined. Total Buoy 10 catch and effort data prior to 1987 are provided in Table B-21.

c/ Preliminary.

d/ There was no Area 4B add-on fishery prior to 1989.

e/ There was no Area 4B add-on fishery opening because the Area 4 ocean quota was not attained.

f/ There was no Area 4B add-on fishery planned.

TABLE IV-16. Estimates of California coastal community and state personal income impacts in thousands of real (inflation adjusted, 2011) dollars of the troll and recreational ocean salmon fishery for major port areas.^{a/}

| Year or Avg. | Crescent City | Eureka | Fort Bragg | San Francisco | Monterey | Coastal Community Total ^{b/} | State Total |
|---------------------------------|---------------|--------|------------|---------------|----------|---------------------------------------|-------------|
| OCEAN TROLL^{c/} | | | | | | | |
| 1976-1980 | 6,800 | 17,273 | 16,937 | 22,218 | 9,537 | 72,764 | 93,547 |
| 1981-1985 | 3,444 | 4,155 | 9,725 | 18,356 | 6,255 | 41,935 | 52,210 |
| 1986-1990 | 1,295 | 3,206 | 17,056 | 33,117 | 12,386 | 67,060 | 82,301 |
| 1991-1995 | 10 | 152 | 1,072 | 12,464 | 7,101 | 20,798 | 25,063 |
| 1996-2000 | 11 | 181 | 757 | 13,047 | 7,911 | 21,908 | 23,179 |
| 2001 | 15 | 308 | 1,017 | 10,688 | 2,261 | 14,289 | 14,831 |
| 2002 | 269 | 515 | 3,669 | 15,262 | 4,110 | 23,825 | 25,310 |
| 2003 | 217 | 38 | 14,889 | 15,514 | 2,447 | 33,104 | 36,818 |
| 2004 | 1,907 | 421 | 7,295 | 22,918 | 5,158 | 37,699 | 38,492 |
| 2005 | 142 | 428 | 5,312 | 13,226 | 6,942 | 26,051 | 26,702 |
| 2006 | - | - | 2,418 | 6,252 | 964 | 9,634 | 9,933 |
| 2007 | 324 | 805 | 3,326 | 7,937 | 1,618 | 14,010 | 14,259 |
| 2008 | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - |
| 2010 ^{e/} | - | 34 | 1,729 | 136 | 156 | 2,056 | 2,135 |
| 2011 ^{d/} | 66 | 424 | 4,789 | 2,143 | 939 | 8,361 | 8,624 |
| RECREATIONAL | | | | | | | |
| 1976-1980 | 1,319 | 1,529 | 891 | 13,387 | 897 | 18,024 | 20,217 |
| 1981-1985 | 1,445 | 1,489 | 714 | 11,856 | 947 | 16,451 | 18,517 |
| 1986-1990 | 2,448 | 2,551 | 1,244 | 14,489 | 3,893 | 24,627 | 28,700 |
| 1991-1995 | 888 | 956 | 1,444 | 12,256 | 5,869 | 21,413 | 25,141 |
| 1996-2000 | 411 | 757 | 1,474 | 12,287 | 5,397 | 20,327 | 23,649 |
| 2001 | 352 | 766 | 2,068 | 7,458 | 3,001 | 13,646 | 14,681 |
| 2002 | 157 | 852 | 2,187 | 9,369 | 4,615 | 17,181 | 18,449 |
| 2003 | 89 | 641 | 1,651 | 6,778 | 2,230 | 11,390 | 12,199 |
| 2004 | 134 | 1,075 | 2,141 | 10,975 | 4,325 | 18,651 | 19,946 |
| 2005 | 102 | 681 | 1,732 | 8,275 | 3,142 | 13,931 | 14,928 |
| 2006 | 60 | 672 | 1,427 | 5,601 | 1,891 | 9,651 | 10,399 |
| 2007 | 85 | 877 | 1,151 | 3,972 | 1,376 | 7,462 | 8,102 |
| 2008 | - | - | 26 | - | - | 26 | 30 |
| 2009 | 45 | 226 | - | - | - | 271 | 317 |
| 2010 | 8 | 189 | 414 | 1,643 | 1,103 | 3,358 | 3,646 |
| 2011 ^{d/} | 31 | 692 | 948 | 3,215 | 1,699 | 6,584 | 7,154 |

a/ Per pound and per day estimates of income impacts are provided from output of the Fishery Economic Assessment Model (FEAM). These are the income impacts associated with expenditures in the troll and/or recreational sectors. There is no differentiation between money that may be new to the area versus money that may otherwise have been expended in other sectors. It is assumed that all fish landed at a port are processed in the port area. Values through 1995 are based on a 1992 run of the FEAM using 1989 IMPLAN data. Values from 1996 through 2000 are based on a 1998 run of the FEAM using 1996 IMPLAN data. Beginning in 2001, values are from a FEAM run based on 2000 PacFIN landings and 1998 IMPLAN data.

b/ Total personal income impacts on coastal areas. Totals do not include impacts of one coastal area on another.

c/ Excluding pink salmon.

d/ Preliminary.

e/ Eureka impacts are from fish caught in the Fort Bragg area fishery and landed in Eureka.

TABLE IV-17. Estimates of Oregon coastal community and state personal income impacts in thousands of real (inflation adjusted, 2011) dollars of the troll and recreational ocean salmon fishery for major port areas.^{a/}

| Year or Avg. | Astoria | Tillamook | Newport | Coos Bay | Brookings | Coastal Community Total ^{b/} | State Total |
|---------------------------------|---------|-----------|---------|----------|-----------|---------------------------------------|-------------|
| OCEAN TROLL^{c/} | | | | | | | |
| 1976-1980 | 4,366 | 5,619 | 13,182 | 20,286 | 8,433 | 51,886 | 70,348 |
| 1981-1985 | 1,414 | 1,819 | 4,267 | 7,525 | 3,266 | 18,291 | 24,857 |
| 1986-1990 | 653 | 3,806 | 8,471 | 16,330 | 3,095 | 32,355 | 43,697 |
| 1991-1995 | 91 | 710 | 2,907 | 1,412 | 144 | 5,264 | 7,098 |
| 1996-2000 | 151 | 297 | 3,077 | 1,777 | 429 | 5,731 | 6,983 |
| 2001 | 379 | 774 | 5,795 | 3,045 | 625 | 10,617 | 12,924 |
| 2002 | 1,084 | 918 | 4,958 | 4,383 | 793 | 12,136 | 14,698 |
| 2003 | 1,060 | 961 | 6,409 | 5,827 | 687 | 14,943 | 18,080 |
| 2004 | 894 | 715 | 6,325 | 6,882 | 1,473 | 16,289 | 17,603 |
| 2005 | 739 | 1,231 | 5,262 | 5,213 | 1,234 | 13,679 | 14,782 |
| 2006 | 966 | 601 | 1,579 | 425 | 370 | 3,941 | 4,228 |
| 2007 | 284 | 403 | 656 | 1,913 | 761 | 4,017 | 4,312 |
| 2008 | 404 | 197 | - | - | 70 | 672 | 708 |
| 2009 | 165 | 154 | 136 | 19 | 41 | 514 | 550 |
| 2010 | 918 | 267 | 1,333 | 905 | 357 | 3,779 | 4,065 |
| 2011 ^{d/} | 228 | 96 | 525 | 1,803 | 488 | 3,139 | 3,375 |
| RECREATIONAL | | | | | | | |
| 1979 | 3,660 | 1,168 | 5,565 | 5,634 | 2,712 | 18,739 | 24,160 |
| 1980 | 4,418 | 1,941 | 6,144 | 5,905 | 2,636 | 21,044 | 27,103 |
| 1981-1985 | 2,157 | 1,739 | 4,155 | 4,237 | 2,948 | 15,236 | 19,779 |
| 1986-1990 | 1,477 | 1,847 | 5,749 | 4,188 | 3,069 | 16,330 | 21,260 |
| 1991-1995 | 1,003 | 808 | 1,828 | 1,632 | 1,152 | 6,423 | 8,329 |
| 1996-2000 | 388 | 445 | 438 | 484 | 930 | 2,686 | 3,541 |
| 2001 | 1,393 | 750 | 1,771 | 1,485 | 1,036 | 6,435 | 7,887 |
| 2002 | 813 | 1,065 | 1,396 | 1,627 | 763 | 5,664 | 6,972 |
| 2003 | 1,186 | 1,231 | 2,793 | 2,034 | 598 | 7,842 | 9,646 |
| 2004 | 1,065 | 1,339 | 2,579 | 1,922 | 740 | 7,644 | 9,414 |
| 2005 | 773 | 552 | 876 | 1,195 | 494 | 3,890 | 4,767 |
| 2006 | 555 | 650 | 688 | 854 | 420 | 3,167 | 3,892 |
| 2007 | 779 | 883 | 1,336 | 1,069 | 430 | 4,496 | 5,527 |
| 2008 | 224 | 348 | 290 | 290 | 186 | 1,337 | 1,646 |
| 2009 | 785 | 952 | 1,926 | 575 | 237 | 4,475 | 5,509 |
| 2010 | 600 | 535 | 839 | 333 | 226 | 2,533 | 3,107 |
| 2011 ^{d/} | 469 | 524 | 812 | 405 | 237 | 2,448 | 3,009 |

a/ Per pound and per day estimates of income impacts are provided from output of the Fishery Economic Assessment Model (FEAM). These are the income impacts associated with expenditures in the troll and/or recreational sectors. There is no differentiation between money that may be new to the area versus money that may otherwise have been expended in other sectors. It is assumed that all fish landed at a port are processed in the port area. Values through 1995 are based on a 1992 run of the FEAM using 1989 IMPLAN data. Values from 1996 through 2000 are based on a 1998 run of the FEAM using 1996 IMPLAN data. Beginning in 2001, values are from a FEAM run based on 2000 PacFIN landings and 1998 IMPLAN data.

b/ Total personal income impacts on coastal areas. Totals do not include impacts of one coastal area on another.

c/ Excluding pink salmon.

d/ Preliminary.

TABLE IV-18. Estimates of Washington coastal community and state personal income impacts in thousands of real (inflation adjusted, 2011) dollars of the troll and recreational ocean salmon fishery for major port areas.^{a/}

| Year or Avg. | Neah Bay | La Push | Westport | Ilwaco ^{b/} | Coastal Community | | State Total |
|-----------------------------------|----------|---------|----------|----------------------|-----------------------|-------------|-------------|
| | | | | | Total ^{c/d/} | Puget Sound | |
| OCEAN TROLL^{e/f/} | | | | | | | |
| 1976-1980 | 6,304 | 8,608 | 17,065 | 6,111 | 38,088 | 8,483 | 60,762 |
| 1981-1985 | 1,239 | 502 | 4,675 | 1,119 | 7,535 | 1,810 | 11,844 |
| 1986-1990 | 685 | 180 | 2,148 | 467 | 3,481 | 1,048 | 5,703 |
| 1991-1995 ^{g/} | 504 | 111 | 718 | 51 | 1,387 | 202 | 2,041 |
| 1996-2000 | 170 | 3 | 205 | 20 | 398 | 105 | 546 |
| 2001 | 311 | 0 | 646 | 43 | 1,000 | 0 | 1,082 |
| 2002 | 641 | 83 | 1,124 | 187 | 2,036 | 0 | 2,244 |
| 2003 | 1,163 | 196 | 960 | 141 | 2,460 | 44 | 2,852 |
| 2004 | 856 | 270 | 1,064 | 104 | 2,294 | 27 | 2,652 |
| 2005 | 701 | 419 | 1,078 | 133 | 2,331 | 1 | 2,633 |
| 2006 | 521 | 422 | 405 | 272 | 1,619 | 35 | 1,917 |
| 2007 | 229 | 233 | 953 | 118 | 1,533 | 20 | 1,705 |
| 2008 | 149 | 197 | 564 | 151 | 1,061 | 12 | 1,196 |
| 2009 | 302 | 312 | 1,088 | 76 | 1,778 | 35 | 2,027 |
| 2010 | 326 | 513 | 3,877 | 84 | 4,800 | - | 5,014 |
| 2011 | 743 | 293 | 1,388 | 83 | 2,508 | - | 2,782 |
| RECREATIONAL | | | | | | | |
| 1976-1980 | 2,323 | 1,152 | 23,103 | 11,309 | 37,886 | - | 50,139 |
| 1981-1985 | 1,405 | 144 | 9,090 | 4,672 | 15,310 | - | 20,296 |
| 1986-1990 | 1,078 | 123 | 5,158 | 2,781 | 9,140 | - | 12,019 |
| 1991-1995 | 572 | 112 | 3,184 | 1,615 | 5,483 | - | 7,141 |
| 1996-2000 | 303 | 82 | 1,491 | 729 | 2,606 | - | 3,388 |
| 2001 | 784 | 160 | 5,828 | 3,692 | 10,464 | - | 12,224 |
| 2002 | 667 | 170 | 5,368 | 2,939 | 9,144 | - | 10,684 |
| 2003 | 969 | 271 | 6,046 | 3,917 | 11,203 | - | 13,106 |
| 2004 | 1,136 | 241 | 4,932 | 3,233 | 9,542 | - | 11,187 |
| 2005 | 779 | 244 | 4,501 | 2,618 | 8,142 | - | 9,534 |
| 2006 | 511 | 214 | 3,324 | 2,035 | 6,084 | - | 7,121 |
| 2007 | 521 | 166 | 3,411 | 2,660 | 6,757 | - | 7,900 |
| 2008 | 226 | 100 | 2,243 | 948 | 3,516 | - | 4,109 |
| 2009 | 608 | 267 | 4,280 | 2,929 | 8,084 | - | 9,455 |
| 2010 | 439 | 219 | 4,285 | 2,050 | 6,993 | - | 8,171 |
| 2011 | 433 | 237 | 3,428 | 1,879 | 5,977 | - | 6,993 |

a/ Per pound and per day estimates of income impacts are provided from output of the Fishery Economic Assessment Model (FEAM). These are the income impacts associated with expenditures in the troll and/or recreational sectors. There is no differentiation between money that may be new to the area versus money that may otherwise have been expended in other sectors. It is assumed that all fish landed at a port are processed in the port area. Values through 1995 are based on a 1992 run of the FEAM using 1989 IMPLAN data. Values from 1996 through 2000 are based on a 1998 run of the FEAM using 1996 IMPLAN data. Beginning in 2001, values are from a FEAM run based on 2000 PacFIN landings and 1998 IMPLAN data.

b/ Recreational values exclude recreational shorebased effort from the Columbia River north jetty.

c/ Total personal income impacts on coastal areas. Totals do not include impacts of one coastal area on another.

d/ Through 1993, commercial values include a very small amount of fish landed in Washington coastal areas not included in the major port groups.

e/ Excluding pink salmon.

f/ All commercial values in this table are based on preliminary information available at the start of each year's Salmon Review.

g/ The non-Indian commercial and recreational fisheries were closed north of Cape Falcon in 1994. Some commercial catch taken south of Cape Falcon was landed in the Puget Sound area.

TABLE IV-19. Local personal income impacts in real (inflation adjusted, 2011) dollars of the inriver commercial salmon fishery on Oregon and Washington Columbia River communities.^{a/}

| | Non-Indian - Gillnet ^{b/} | | | | | | Treaty Indian - All Gears ^{c/} | | | | | | Columbia River Total |
|------------------------------------|------------------------------------|-----------------------|-------|-------|------|-------|---|-----------------------|-------|------|------|--------|----------------------|
| | Chinook | | | Coho | Chum | TOTAL | Chinook | | | Coho | Chum | TOTAL | |
| | Spring | Fall | | | | | Spring | Fall | | | | | |
| | | Brights ^{d/} | Tules | | | | | Brights ^{d/} | Tules | | | | |
| Oregon | | | | | | | | | | | | | |
| 1987-2003 | 1,007 | 2,669 | 268 | 1,968 | 3 | 5,916 | 13 | 1,130 | 80 | 11 | e/ | 1,234 | 7,150 |
| 2004 | 2,207 | 1,464 | 312 | 1,776 | 1 | 5,759 | 368 | 1,503 | 361 | 56 | - | 2,288 | 8,047 |
| 2005 | 663 | 1,062 | 185 | 1,941 | e/ | 3,850 | - | 560 | 85 | 1 | - | 646 | 4,497 |
| 2006 | 1,198 | 1,377 | 90 | 1,301 | e/ | 3,965 | 1 | 746 | 15 | 31 | - | 792 | 4,757 |
| 2007 | 1,425 | 755 | e/ | 574 | e/ | 2,753 | 124 | 725 | e/ | 32 | - | 880 | 3,634 |
| 2008 | 1,284 | 2,046 | 192 | 1,325 | e/ | 4,847 | 599 | 1,850 | 201 | 105 | - | 2,755 | 7,602 |
| 2009 | 806 | 1,843 | 278 | 2,068 | e/ | 4,994 | 274 | 1,289 | 142 | 55 | - | 1,759 | 6,754 |
| 2010 | 3,401 | 1,815 | 441 | 1,471 | 2 | 7,131 | 1,087 | 932 | 246 | 55 | - | 2,320 | 9,451 |
| 2011 ^{f/} | 2,049 | 2,792 | 375 | 1,243 | e/ | 6,459 | 338 | 1,136 | 76 | 54 | - | 1,605 | 8,063 |
| Washington^{f/g/h/} | | | | | | | | | | | | | |
| 1987-2003 | 448 | 1,147 | | 892 | 2 | 2,489 | 131 | 2,297 | | 37 | - | 2,465 | 4,954 |
| 2004 | 579 | 1,163 | | 910 | e/ | 2,652 | 430 | 1,709 | | 62 | - | 2,201 | 4,853 |
| 2005 | 461 | 823 | | 449 | e/ | 1,733 | 279 | 2,810 | | 50 | - | 3,139 | 4,871 |
| 2006 | 646 | 931 | | 569 | - | 2,145 | 931 | 3,080 | | 80 | e/ | 4,090 | 6,236 |
| 2007 | 230 | 466 | | 467 | e/ | 1,163 | 1 | 2,666 | | 133 | e/ | 2,799 | 3,962 |
| 2008 | 560 | 1,004 | | 555 | 1 | 2,120 | 1,811 | 3,721 | | 363 | e/ | 5,895 | 8,015 |
| 2009 | 567 | 1,145 | | 616 | 1 | 2,329 | 1,212 | 2,218 | | 74 | - | 3,504 | 5,833 |
| 2010 | 976 | 1,051 | | 626 | 4 | 2,657 | 3,707 | 4,211 | | 51 | - | 7,969 | 10,626 |
| 2011 | 629 | 1,508 | | 427 | 2 | 2,565 | 3,084 | 5,947 | | 426 | e/ | 9,457 | 12,022 |
| Columbia River | | | | | | | | | | | | | |
| 1987-2003 | 1,455 | 4,085 | | 2,860 | 5 | 8,405 | 144 | 3,507 | | 48 | e/ | 3,699 | 12,104 |
| 2004 | 2,786 | 2,938 | | 2,686 | 1 | 8,411 | 798 | 3,573 | | 118 | - | 4,489 | 12,900 |
| 2005 | 1,124 | 2,070 | | 2,390 | e/ | 5,583 | - | 3,455 | | 51 | - | 3,785 | 9,368 |
| 2006 | 1,843 | 2,398 | | 1,870 | - | 6,111 | 931 | 3,840 | | 111 | - | 4,882 | 10,993 |
| 2007 | 1,654 | 1,220 | | 1,041 | e/ | 3,916 | 125 | 3,391 | | 164 | - | 3,680 | 7,596 |
| 2008 | 1,844 | 3,242 | | 1,879 | 1 | 6,967 | 2,410 | 5,772 | | 468 | - | 8,650 | 15,617 |
| 2009 | 1,373 | 3,265 | | 2,684 | 1 | 7,324 | 1,486 | 3,649 | | 129 | - | 5,263 | 12,587 |
| 2010 | 4,377 | 3,307 | | 2,098 | 6 | 9,788 | 4,793 | 5,390 | | 107 | - | 10,290 | 20,078 |
| 2011 ^{f/} | 2,678 | 4,675 | | 1,670 | 2 | 9,024 | 3,422 | 7,160 | | 480 | - | 11,061 | 20,086 |

a/ Excluding pink, sockeye, and steelhead. Values through 1995 are based on a 1992 run of the FEAM using 1989 IMPLAN data. Values from 1996 through 2000 are based on a 1998 run of the FEAM using 1996 IMPLAN data. Beginning in 2001, values are from a FEAM run based on 2000 PacFIN landings and 1998 IMPLAN data.

b/ Mainstem below Bonneville and Select Areas (Youngs Bay, Tongue Point, Blind Slough, and Deep River).

c/ Treaty Indian values do not include direct sales to consumers.

d/ For Washington and the Columbia River this column includes fall brights, tules, and jacks.

e/ Less than \$500.

f/ Preliminary. (All Washington values in this table are based on preliminary information available when each year's Salmon Review is drafted.)

g/ Washington income impacts for years prior to 2000 are based on a combination of Washington and Oregon value

h/ Treaty Indian values are primarily mainstem Columbia set gillnet but also include Klickitat dipnet, Drano Lake (Little White Salmon River mouth), and Priest Rapids Pool fisheries.

TABLE IV-20. Local personal income impacts in real (inflation adjusted, 2011) dollars of the Buoy 10 recreational fishery in Oregon and Washington and the Area 4B add-on fishery in Washington.

| Year | Total Angler Trips (thousands) | Income Impacts (thousands of dollars) | | |
|---|--------------------------------------|---------------------------------------|------------|-------|
| | | Oregon | Washington | Total |
| BUOY 10 (including bank fishing) | | | | |
| 1987-1990 | 136 | 2,729 | 4,758 | 7,487 |
| 1991-1995 | 79 | 1,552 | 2,641 | 4,193 |
| 1996-2000 | 45 | 994 | 1,361 | 2,355 |
| 2001 | 126 | 2,568 | 2,711 | 5,279 |
| 2002 | 84 | 1,727 | 1,624 | 3,351 |
| 2003 | 89 | 2,046 | 1,417 | 3,463 |
| 2004 | 69 | 1,372 | 1,300 | 2,672 |
| 2005 | 55 | 1,371 | 756 | 2,127 |
| 2006 | 41 | 1,025 | 586 | 1,611 |
| 2007 | 36 | 849 | 636 | 1,485 |
| 2008 | 32 | 786 | 586 | 1,372 |
| 2009 | 73 | 1,661 | 1,150 | 2,811 |
| 2010 | 52 | 1,239 | 753 | 1,993 |
| 2011 ^{b/} | 49 | 1,274 | 666 | 1,939 |
| AREA 4B ADD-ON ^{c/} | | | | |
| 1989-1990 | 12 | - | 674 | 674 |
| 1991-1995 | 6 | - | 393 | 393 |
| 1996-2000 | 3 | - | 141 | 141 |
| 2001 | - | - | - | - |
| 2002 | - | - | - | - |
| 2003 | - | - | - | - |
| 2004 | - | - | - | - |
| 2005 | - | - | - | - |
| 2006 | - | - | - | - |
| 2007 | - | - | - | - |
| 2008 | 1 | - | 31 | 31 |
| 2009 | - | - | - | - |
| 2010 | - | - | - | - |
| 2011 ^{b/} | - | - | - | - |

a/ Per pound and per day estimates of income impacts are provided from output of the Fishery Economic Assessment Model (FEAM). These are the income impacts associated with expenditures in the troll and/or recreational sectors. There is no differentiation between money that may be new to the area versus money that may otherwise have been expended in other sectors. It is assumed that all fish landed at a port are processed in the port area. Values through 1995 are based on a 1992 run of the FEAM using 1989 IMPLAN data. Values from 1996 through 2000 are based on a 1998 run of the FEAM using 1996 IMPLAN data. Beginning in 2001, values are from a FEAM run based on 2000 PacFIN landings and 1998 IMPLAN data.

b/ Preliminary

c/ There were no Area 4B add-on fisheries prior to 1989.

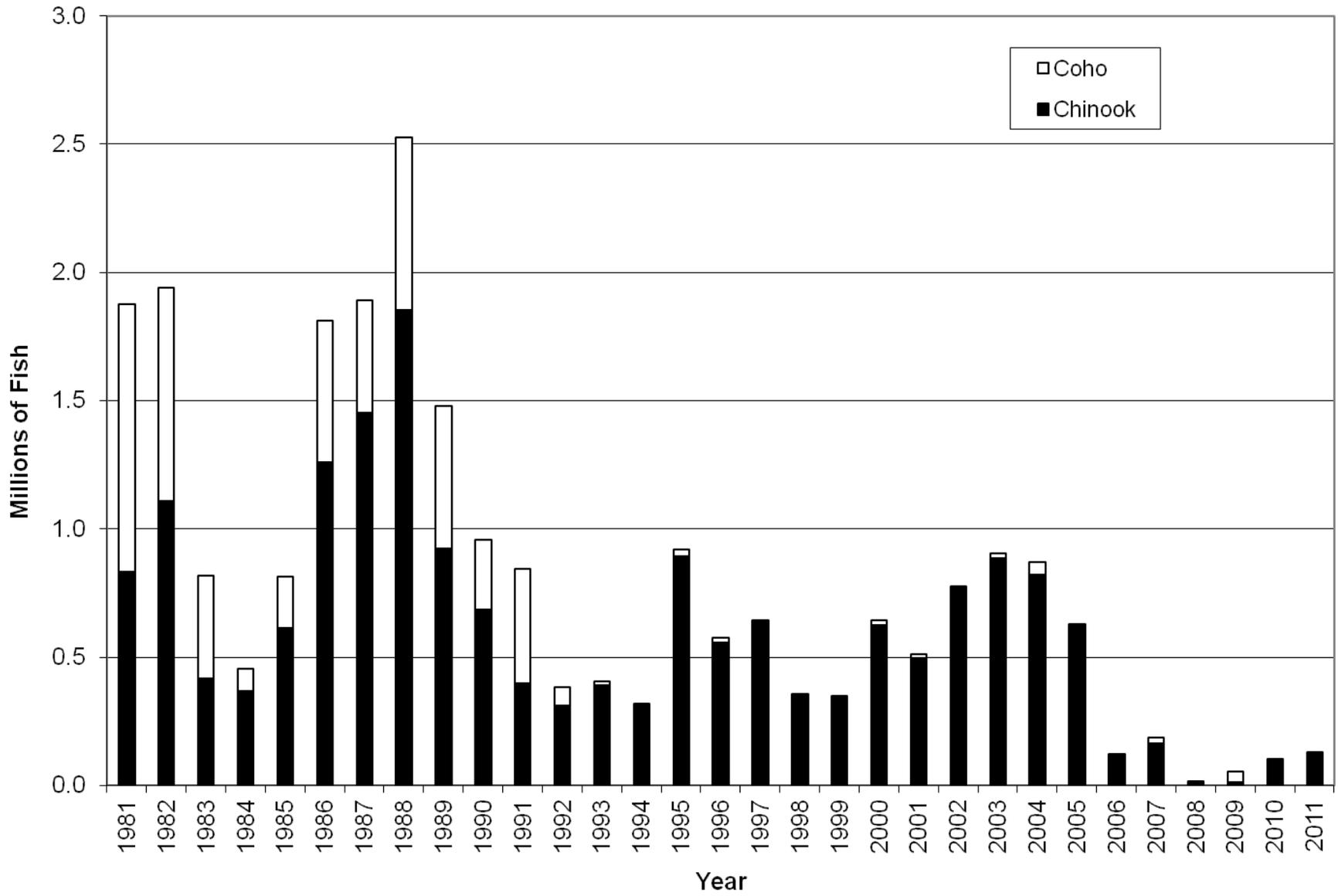


Figure IV-1. West Coast ocean non-Indian commercial Chinook and coho harvest.

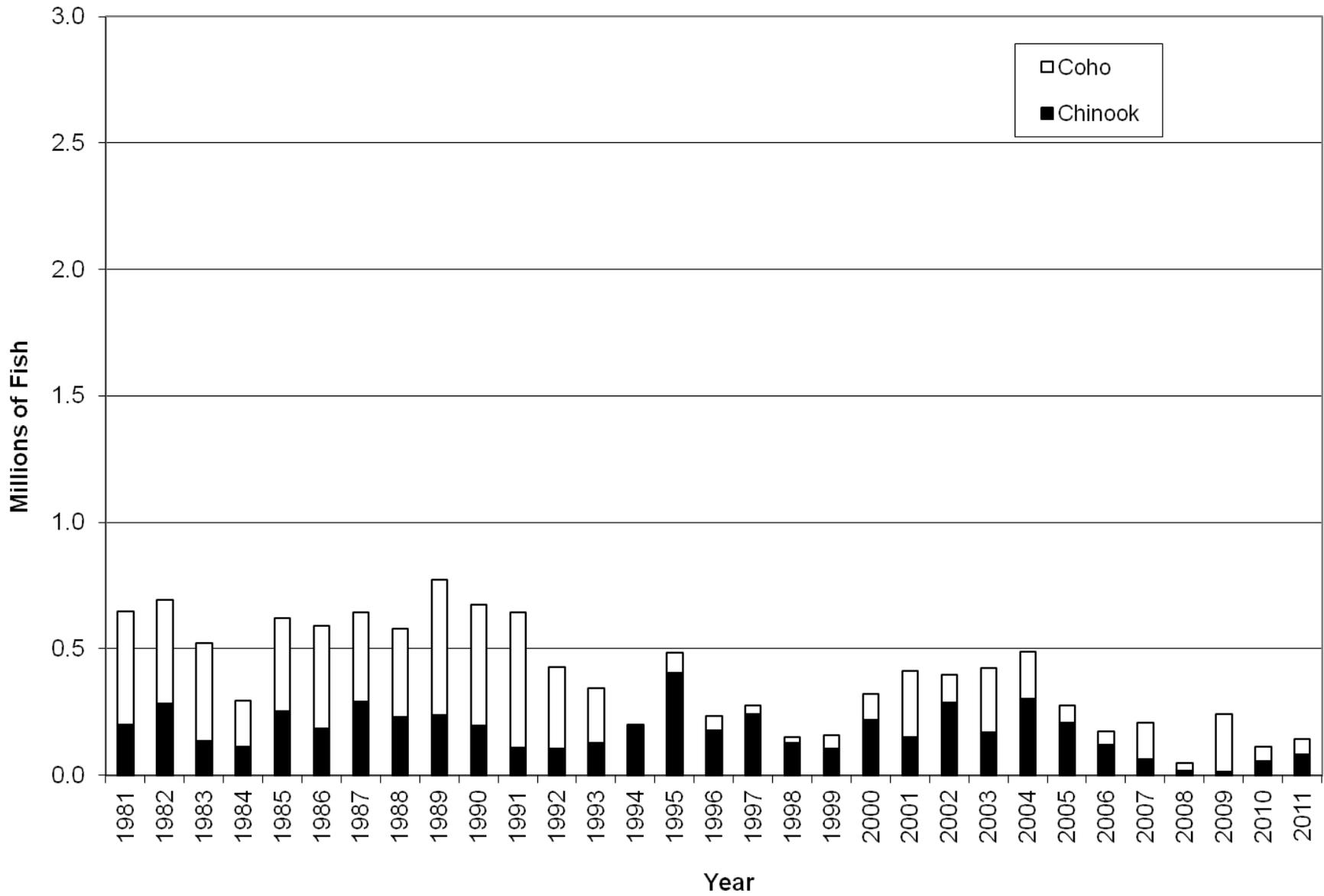


Figure IV-2. West Coast ocean recreational Chinook and coho harvest.

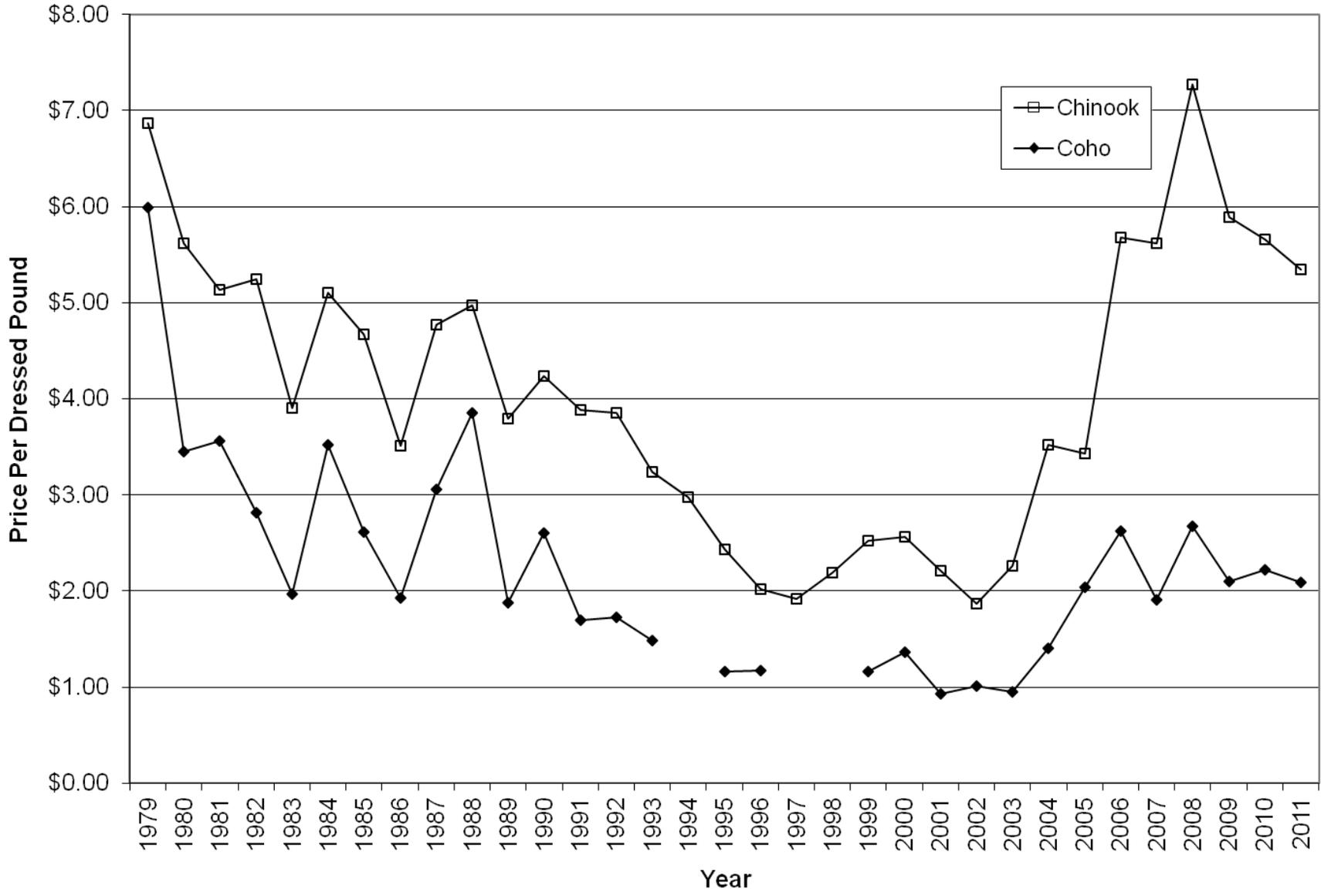


Figure IV-3. West Coast non-Indian ocean commercial salmon annual exvessel prices (inflation adjusted, 2011 dollars).

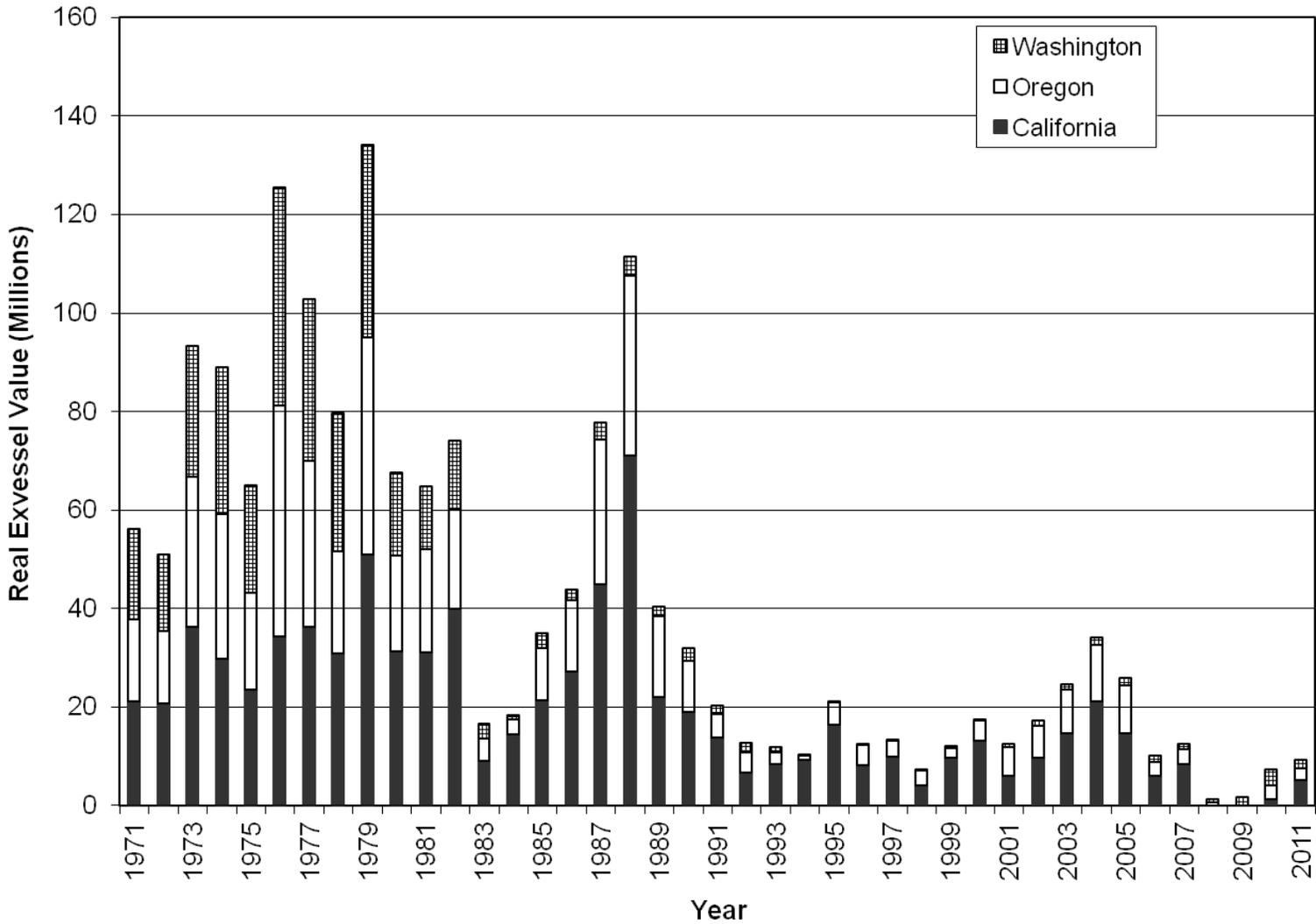


Figure IV-4. Exvessel value of West Coast non-Indian ocean commercial Chinook and coho landings by state of landing (inflation adjusted, 2011 dollars).

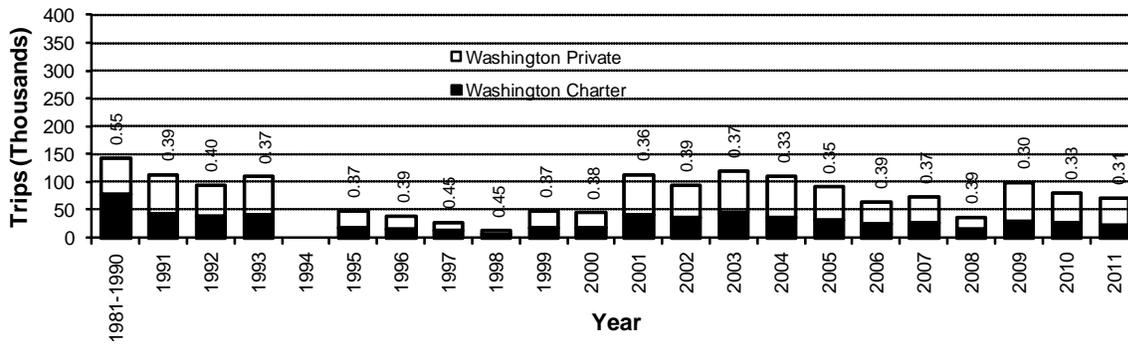
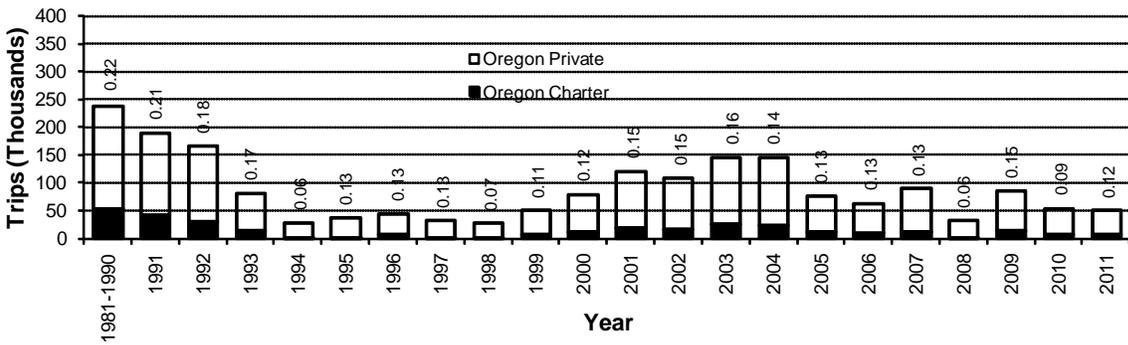
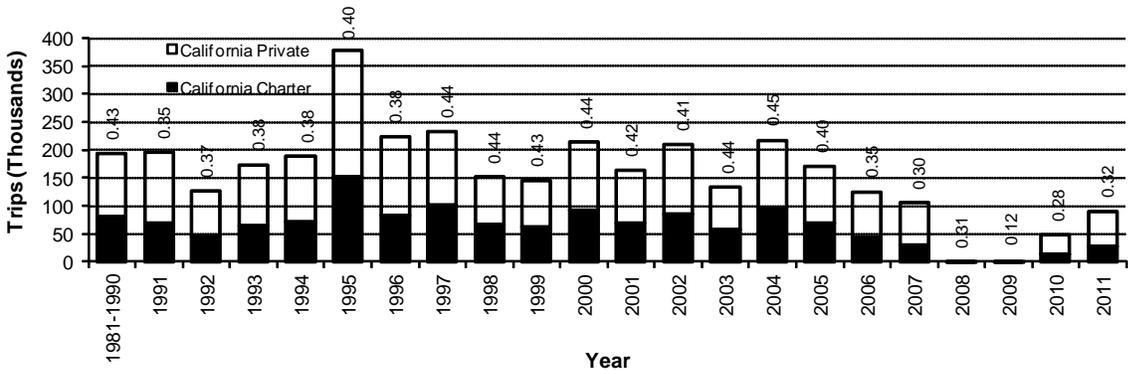


Figure IV-5. Total recreational ocean salmon trips for California, Oregon, and Washington, with proportion of charter trips shown above each bar.

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**APPENDIX A
HISTORICAL RECORD OF OCEAN SALMON FISHERY
EFFORT AND LANDINGS**

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TABLE A-1. Summary of California commercial troll salmon fishing effort in days fished and landings in numbers of fish by catch area. (Page 1 of 1)

| Year or Avg. | Crescent City ^{a/} | Eureka | Fort Bragg | San Francisco | Monterey | Oregon | Season |
|-------------------------|-----------------------------|---------|------------|---------------|----------|--------|---------|
| DAYS FISHED | | | | | | | |
| 1978-1980 ^{b/} | 18,370 | 20,654 | 23,483 | 22,622 | 17,277 | 0 | 102,405 |
| 1981-1985 | 8,076 | 8,463 | 13,716 | 21,892 | 10,958 | 0 | 63,104 |
| 1986-1990 | 851 | 2,477 | 16,392 | 25,555 | 14,391 | 12 | 59,677 |
| 1991-1995 | - | 600 | 4,475 | 13,340 | 10,820 | 0 | 29,235 |
| 1996-2000 | 23 | 305 | 1,836 | 9,526 | 7,633 | 0 | 19,322 |
| 2001 | 18 | 297 | 816 | 8,951 | 3,759 | 0 | 13,841 |
| 2002 | 171 | 426 | 2,124 | 9,145 | 5,529 | 8 | 17,403 |
| 2003 | 50 | 55 | 6,296 | 6,770 | 2,744 | 26 | 15,941 |
| 2004 | 35 | 262 | 5,584 | 10,856 | 4,769 | 227 | 21,733 |
| 2005 | 58 | 266 | 1,455 | 8,670 | 6,569 | - | 17,018 |
| 2006 | - | - | 434 | 5,488 | 2,337 | - | 8,259 |
| 2007 | 87 | 270 | 1,400 | 6,736 | 2,178 | - | 10,671 |
| 2008 | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - |
| 2010 | - | - | 1,486 | 244 | 245 | - | 1,975 |
| 2011 ^{c/} | 21 | 183 | 2,116 | 2,839 | 1,716 | - | 6,875 |
| CHINOOK | | | | | | | |
| 1978-1980 | 44,259 | 166,282 | 143,867 | 174,684 | 89,545 | 0 | 618,637 |
| 1981-1985 | 48,548 | 61,130 | 109,258 | 181,548 | 84,103 | 0 | 484,587 |
| 1986-1990 | 13,997 | 32,329 | 252,416 | 351,115 | 144,846 | 1,064 | 795,767 |
| 1991-1995 | - | 4,700 | 17,354 | 200,588 | 126,517 | - | 349,159 |
| 1996-2000 | 126 | 3,379 | 12,529 | 195,662 | 156,305 | - | 368,001 |
| 2001 | 223 | 5,300 | 14,993 | 136,630 | 35,940 | 0 | 193,086 |
| 2002 | 3,663 | 9,008 | 65,336 | 242,872 | 69,980 | 796 | 391,655 |
| 2003 | 1,356 | 688 | 248,875 | 202,876 | 36,099 | 2,000 | 491,894 |
| 2004 | 565 | 5,695 | 107,259 | 298,229 | 64,707 | 25,655 | 502,110 |
| 2005 | 1,255 | 5,799 | 45,869 | 170,531 | 117,408 | - | 340,862 |
| 2006 | - | - | 10,835 | 47,689 | 11,204 | - | 69,728 |
| 2007 | 2,367 | 6,395 | 16,116 | 75,254 | 14,009 | - | 114,141 |
| 2008 | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - |
| 2010 | - | - | 12,553 | 1,105 | 1,430 | - | 15,088 |
| 2011 ^{c/} | 420 | 1,975 | 39,237 | 21,790 | 6,361 | - | 69,783 |
| COHO | | | | | | | |
| 1978-1980 | 72,133 | 90,024 | 29,918 | 20,778 | 9,418 | 0 | 222,270 |
| 1981-1985 | 20,094 | 23,675 | 14,628 | 7,728 | 1,356 | 0 | 67,480 |
| 1986-1990 | 3,795 | 5,998 | 26,000 | 9,377 | 1,611 | 39 | 46,819 |
| 1991-1995 | - | 3,100 | 4,500 | 26,900 | 11,775 | - | 46,275 |
| 1996-2000 | - | - | - | - | - | - | - |
| 2001 | - | - | - | - | - | - | - |
| 2002 | - | - | - | - | - | - | - |
| 2003 | - | - | - | - | - | - | - |
| 2004 | - | - | - | - | - | - | - |
| 2005 | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | - | - | - |
| 2011 | - | - | - | - | - | - | - |

a/ Includes minor effort off Oregon for fish landed in California prior to 1986.

b/ Data not available prior to 1978.

c/ Preliminary.

TABLE A-2. California commercial troll salmon fishing effort in days fished by port area and month. (Page 1 of 2)

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|-----------------------------------|------|-------|-------|-------|-------|-------|------|-------------------|
| <u>Crescent City^{a/}</u> | | | | | | | | |
| 1978-1980 | 56 | 2,043 | 4,261 | 6,285 | 5,025 | 756 | - | 18,370 |
| 1981-1985 | - | 1,363 | 961 | 1,947 | 2,509 | 1,295 | - | 8,076 |
| 1986-1990 | - | 9 | 360 | 219 | 253 | 10 | - | 851 |
| 1991-1995 | - | - | - | - | - | - | - | - |
| 1996-2000 | - | - | - | - | 10 | 13 | - | 23 |
| 2001 | - | - | - | - | - | 18 | - | 18 |
| 2002 | - | - | - | - | 27 | 146 | 6 | 179 ^{b/} |
| 2003 | 14 | 2 | 4 | - | - | 50 | 6 | 76 ^{b/} |
| 2004 | 22 | - | 2 | 36 | 167 | 35 | - | 262 ^{b/} |
| 2005 | - | - | - | - | - | 58 | - | 58 |
| 2006 | - | - | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | 87 | - | 87 |
| 2008 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | - | - | - | - |
| 2011 ^{c/} | - | - | - | 4 | 17 | - | - | 21 |
| <u>Eureka</u> | | | | | | | | |
| 1978-1980 | 264 | 5,684 | 7,152 | 4,083 | 2,323 | 1,411 | - | 20,654 |
| 1981-1985 | - | 2,029 | 1,075 | 2,608 | 1,931 | 821 | - | 8,463 |
| 1986-1990 | - | - | 882 | 518 | 547 | 467 | 64 | 2,477 |
| 1991-1995 | - | - | - | - | - | 500 | 100 | 600 |
| 1996-2000 | - | - | - | - | 128 | 177 | - | 305 |
| 2001 | - | - | - | - | - | 297 | - | 297 |
| 2002 | - | - | - | - | 94 | 332 | - | 426 |
| 2003 | - | - | - | - | - | 55 | - | 55 |
| 2004 | - | - | - | - | - | 262 | - | 262 |
| 2005 | - | - | - | - | - | 266 | - | 266 |
| 2006 | - | - | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | 270 | - | 270 |
| 2008 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | - | - | - | - |
| 2011 ^{c/} | - | - | - | 150 | 33 | - | - | 183 |
| <u>Fort Bragg</u> | | | | | | | | |
| 1978-1980 | 29 | 2,285 | 4,678 | 9,987 | 4,348 | 2,185 | - | 23,483 |
| 1981-1985 | - | 2,084 | 2,156 | 5,527 | 2,422 | 1,527 | - | 13,716 |
| 1986-1990 | - | 2,775 | 3,887 | 5,151 | 3,802 | 777 | - | 16,392 |
| 1991-1995 | - | 100 | - | - | 3,500 | 875 | - | 4,475 |
| 1996-2000 | - | - | - | - | 1,300 | 536 | - | 1,836 |
| 2001 | - | 206 | - | - | - | 610 | - | 816 |
| 2002 | - | - | - | 216 | 1,327 | 581 | - | 2,124 |
| 2003 | - | 1,022 | - | 1,497 | 2,355 | 1,422 | - | 6,296 |
| 2004 | - | - | - | 2,426 | 2,095 | 1,063 | - | 5,584 |
| 2005 | - | - | - | - | - | 1,455 | - | 1,455 |
| 2006 | - | - | - | - | - | 434 | - | 434 |
| 2007 | 106 | - | - | - | 1,252 | 42 | - | 1,400 |
| 2008 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 616 | 870 | - | - | 1,486 |
| 2011 ^{c/} | - | - | - | 589 | 1,365 | 162 | - | 2,116 |

TABLE A-2. California commercial troll salmon fishing effort in days fished by port area and month. (Page 2 of 2)

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|-------------------------------------|-------|--------|--------|--------|--------|-------|------|---------|
| <u>San Francisco</u> | | | | | | | | |
| 1978-1980 | 347 | 5,780 | 5,242 | 7,139 | 2,417 | 2,044 | - | 22,622 |
| 1981-1985 | 727 | 3,897 | 2,958 | 6,819 | 5,214 | 3,003 | - | 21,892 |
| 1986-1990 | - | 6,506 | 7,111 | 5,948 | 4,125 | 1,864 | - | 25,555 |
| 1991-1995 | - | 3,480 | 2,540 | 2,700 | 2,840 | 1,780 | - | 13,340 |
| 1996-2000 | 100 | 1,525 | 1,732 | 2,730 | 1,916 | 1,624 | - | 9,526 |
| 2001 | - | 2,000 | 774 | 2,694 | 1,392 | 1,590 | 501 | 8,951 |
| 2002 | - | 2,258 | 1,630 | 2,856 | 1,198 | 1,064 | 139 | 9,145 |
| 2003 | - | 1,046 | 2,228 | 1,409 | 1,212 | 739 | 136 | 6,770 |
| 2004 | - | 3,120 | 2,942 | 2,724 | 1,076 | 704 | 290 | 10,856 |
| 2005 | - | - | - | 3,533 | 2,586 | 2,150 | 401 | 8,670 |
| 2006 | - | - | - | 616 | 2,549 | 1,949 | 374 | 5,488 |
| 2007 | - | 1,656 | - | 2,954 | 1,152 | 806 | 168 | 6,736 |
| 2008 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 244 | - | - | - | 244 |
| 2011 ^{c/} | - | 893 | 164 | 845 | 384 | 433 | 120 | 2,839 |
| <u>Monterey</u> | | | | | | | | |
| 1978-1980 | 1,024 | 5,293 | 4,310 | 4,581 | 2,220 | 873 | - | 17,277 |
| 1981-1985 | 1,311 | 4,245 | 2,767 | 2,746 | 964 | 236 | - | 10,958 |
| 1986-1990 | - | 5,235 | 4,255 | 3,367 | 1,335 | 198 | - | 14,391 |
| 1991-1995 | - | 4,360 | 3,080 | 2,460 | 780 | 140 | - | 10,820 |
| 1996-2000 | 313 | 3,117 | 2,441 | 1,840 | 147 | 88 | - | 7,633 |
| 2001 | - | 2,688 | 674 | 348 | 27 | 22 | - | 3,759 |
| 2002 | - | 1,988 | 1,617 | 1,592 | 291 | 41 | - | 5,529 |
| 2003 | - | 1,006 | 499 | 791 | 178 | 270 | - | 2,744 |
| 2004 | - | 2,026 | 1,092 | 1,147 | 299 | 205 | - | 4,769 |
| 2005 | - | 3,881 | 377 | 1,468 | 779 | 64 | - | 6,569 |
| 2006 | - | 2,062 | 103 | 34 | 44 | 94 | - | 2,337 |
| 2007 | - | 1,476 | 29 | 334 | 255 | 84 | - | 2,178 |
| 2008 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 245 | - | - | - | 245 |
| 2011 ^{c/} | - | 974 | 333 | 269 | 114 | 26 | - | 1,716 |
| <u>Total Statewide^{a/}</u> | | | | | | | | |
| 1978-1980 | 1,718 | 21,086 | 25,641 | 32,076 | 16,334 | 7,268 | - | 102,405 |
| 1981-1985 | 2,037 | 12,939 | 9,510 | 18,736 | 12,153 | 5,613 | - | 58,950 |
| 1986-1990 | - | 14,524 | 16,246 | 14,658 | 9,741 | 3,316 | 64 | 58,549 |
| 1991-1995 | - | 7,860 | 5,620 | 5,160 | 4,320 | 2,720 | 100 | 25,780 |
| 1996-2000 | 363 | 4,642 | 4,173 | 4,570 | 2,351 | 2,419 | - | 18,154 |
| 2001 | - | 4,894 | 1,448 | 3,042 | 1,419 | 2,537 | 501 | 13,841 |
| 2002 | - | 4,246 | 3,247 | 4,664 | 2,937 | 2,164 | 145 | 17,403 |
| 2003 | 14 | 3,076 | 2,731 | 3,697 | 3,745 | 2,536 | 142 | 15,941 |
| 2004 | 22 | 5,146 | 4,036 | 6,333 | 3,637 | 2,269 | 290 | 21,733 |
| 2005 | - | 3,881 | 377 | 5,001 | 3,365 | 3,993 | 401 | 17,018 |
| 2006 | - | 2,062 | 103 | 650 | 2,593 | 2,477 | 374 | 8,259 |
| 2007 | 106 | 3,132 | 29 | 3,288 | 2,659 | 1,289 | 168 | 10,671 |
| 2008 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 1,105 | 870 | - | - | 1,975 |
| 2011 ^{c/} | - | 1,867 | 497 | 1,857 | 1,913 | 621 | 120 | 6,875 |

a/ Includes minor effort off Oregon for fish landed in California.

b/ Commercial fishery closed except in August (2002) and September (2002-2004); effort for other months reportedly occurred off Oregon.

c/ Preliminary.

TABLE A-3. California commercial troll Chinook and coho salmon landings in numbers of fish by port area and month. (Page 3 of 3)

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|-------------------------------------|----------------|---------|---------|---------|---------|--------|-------|---------|-------------|--------|---------|--------|--------|-------|------|---------|
| | CHINOOK | | | | | | | | COHO | | | | | | | |
| <u>Monterey</u> | | | | | | | | | | | | | | | | |
| 1978-1980 | 12,314 | 29,539 | 23,936 | 18,117 | 9,381 | 3,509 | - | 89,545 | 37 | 3,539 | 4,986 | 1,778 | 72 | 34 | - | 9,418 |
| 1981-1985 | 15,312 | 34,978 | 16,852 | 19,382 | 5,619 | 1,148 | - | 84,103 | 84 | 149 | 896 | 260 | 65 | 12 | - | 1,356 |
| 1986-1990 | - | 61,484 | 42,139 | 29,992 | 9,011 | 2,220 | - | 144,846 | - | - | 1,024 | 508 | 89 | 10 | - | 1,611 |
| 1991-1995 | - | 51,806 | 30,129 | 37,446 | 5,936 | 1,200 | - | 126,517 | - | - | 9,300 | 2,400 | 75 | - | - | 11,775 |
| 1996-2000 | 5,947 | 71,787 | 50,021 | 30,878 | 1,131 | 421 | - | 156,305 | - | - | - | - | - | - | - | - |
| 2001 | - | 30,037 | 3,375 | 2,383 | 116 | 29 | - | 35,940 | - | - | - | - | - | - | - | - |
| 2002 | - | 21,551 | 24,441 | 21,328 | 2,524 | 136 | - | 69,980 | - | - | - | - | - | - | - | - |
| 2003 | - | 10,954 | 9,517 | 13,728 | 823 | 1,077 | - | 36,099 | - | - | - | - | - | - | - | - |
| 2004 | - | 22,420 | 26,772 | 14,033 | 1,195 | 287 | - | 64,707 | - | - | - | - | - | - | - | - |
| 2005 | - | 76,855 | 5,001 | 29,105 | 5,578 | 869 | - | 117,408 | - | - | - | - | - | - | - | - |
| 2006 | - | 9,911 | 391 | 346 | 248 | 308 | - | 11,204 | - | - | - | - | - | - | - | - |
| 2007 | - | 11,202 | 156 | 1,930 | 605 | 116 | - | 14,009 | - | - | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 1,430 | - | - | - | 1,430 | - | - | - | - | - | - | - | - |
| 2011 ^{c/} | - | 3,949 | 1,348 | 697 | 320 | 47 | - | 6,361 | - | - | - | - | - | - | - | - |
| <u>Total Statewide^{a/}</u> | | | | | | | | | | | | | | | | |
| 1978-1980 | 42,724 | 200,034 | 136,693 | 173,352 | 67,912 | 33,804 | - | 618,637 | 38 | 54,897 | 149,408 | 53,987 | 12,921 | 2,035 | - | 210,303 |
| 1981-1985 | 31,016 | 124,589 | 74,723 | 145,130 | 82,132 | 23,673 | - | 462,652 | 92 | 5,037 | 12,948 | 28,164 | 12,469 | 1,079 | - | 58,726 |
| 1986-1990 | - | 240,135 | 257,835 | 195,138 | 77,291 | 24,112 | 480 | 794,703 | - | - | 23,790 | 18,257 | 4,444 | 1,138 | 125 | 46,780 |
| 1990-1995 | - | 121,373 | 73,940 | 80,950 | 42,707 | 22,878 | 400 | 341,928 | - | - | 25,850 | 12,250 | 2,825 | 3,000 | 100 | 42,475 |
| 1996-2000 | 7,580 | 121,717 | 101,679 | 88,632 | 24,597 | 28,344 | - | 368,001 | - | - | - | - | - | - | - | - |
| 2001 | - | 73,044 | 11,497 | 63,084 | 14,172 | 27,634 | 3,655 | 193,086 | - | - | - | - | - | - | - | - |
| 2002 | - | 86,120 | 93,214 | 128,032 | 58,969 | 24,426 | 894 | 391,655 | - | - | - | - | - | - | - | - |
| 2003 | 1,654 | 73,318 | 104,301 | 123,712 | 111,086 | 75,779 | 2,044 | 491,894 | - | - | - | - | - | - | - | - |
| 2004 | 718 | 97,596 | 154,181 | 162,482 | 64,211 | 21,711 | 1,211 | 502,110 | - | - | - | - | - | - | - | - |
| 2005 | - | 76,855 | 5,001 | 139,928 | 35,046 | 81,727 | 2,305 | 340,862 | - | - | - | - | - | - | - | - |
| 2006 | - | 9,911 | 391 | 16,783 | 18,589 | 22,982 | 1,072 | 69,728 | - | - | - | - | - | - | - | - |
| 2007 | 748 | 36,598 | 156 | 41,808 | 23,212 | 11,267 | 352 | 114,141 | - | - | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 8,906 | 6,182 | - | - | 15,088 | - | - | - | - | - | - | - | - |
| 2011 ^{c/} | - | 11,698 | 4,157 | 31,619 | 20,201 | 1,788 | 320 | 69,783 | - | - | - | - | - | - | - | - |

a/ Includes minor catches made off Oregon and landed in California prior to 2005.

b/ Commercial fishery closed except in August (2002) and September (2002-2004); catch for other months reportedly occurred off Oregon.

c/ Preliminary.

TABLE A-4. California ocean recreational salmon fishing effort in angler trips by port and month. (Page 1 of 3)

| Year or Avg. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|----------------------|------|------|------|-------|--------|--------|-------|-------|------|------|--------|
| <u>Crescent City</u> | | | | | | | | | | | |
| 1976-1980 | -- | -- | 1 | 41 | 3,679 | 9,656 | 5,384 | 1,211 | 0 | 0 | 19,973 |
| 1981-1985 | -- | -- | 0 | 572 | 3,912 | 11,525 | 6,620 | 504 | 0 | 0 | 23,133 |
| 1986-1990 | -- | -- | - | 1,417 | 11,087 | 19,316 | 6,758 | 981 | - | - | 39,560 |
| 1991-1995 | - | - | - | 2,376 | 4,333 | 9,250 | 2,319 | 1,563 | - | - | 14,334 |
| 1996-2000 | - | - | - | 555 | 2,320 | 1,460 | 2,184 | 331 | - | - | 6,849 |
| 2001 | - | - | - | 881 | 2,141 | 3,011 | 2,339 | 273 | - | - | 8,645 |
| 2002 | - | - | - | 1,036 | 1,131 | 132 | 1,333 | 237 | - | - | 3,869 |
| 2003 | - | - | - | 319 | 521 | 521 | 493 | 340 | - | - | 2,194 |
| 2004 | - | - | - | 603 | 604 | 689 | 843 | 413 | - | - | 3,152 |
| 2005 | - | - | - | 131 | 794 | 492 | 904 | 181 | - | - | 2,502 |
| 2006 | - | - | - | 325 | 754 | 312 | - | 87 | - | - | 1,478 |
| 2007 | - | - | - | 277 | 484 | 1,027 | 225 | 69 | - | - | 2,082 |
| 2008 | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | 498 | 607 | - | - | 1,105 |
| 2010 | - | - | - | 72 | 38 | 48 | 33 | 15 | - | - | 206 |
| 2011 ^{av} | - | - | - | 187 | 104 | 245 | 185 | 45 | - | - | 766 |
| <u>Eureka</u> | | | | | | | | | | | |
| 1976-1980 | -- | -- | 3 | 315 | 5,292 | 12,575 | 5,346 | 350 | 12 | 0 | 23,893 |
| 1981-1985 | -- | -- | 1 | 1,222 | 4,740 | 11,724 | 4,914 | 493 | 14 | 0 | 23,108 |
| 1986-1990 | -- | -- | - | 1,648 | 9,487 | 18,674 | 7,126 | 963 | 0 | - | 37,898 |
| 1991-1995 | - | - | - | 1,480 | 5,837 | 8,301 | 2,249 | 2,151 | 21 | - | 14,789 |
| 1996-2000 | - | - | - | 1,539 | 3,808 | 1,758 | 3,815 | 723 | - | - | 11,643 |
| 2001 | - | - | - | 1,994 | 5,297 | 3,854 | 3,855 | 1,048 | - | - | 16,048 |
| 2002 | - | - | - | 2,186 | 5,379 | 599 | 7,428 | 2,082 | - | - | 17,674 |
| 2003 | - | - | - | 2,226 | 3,102 | 2,915 | 4,176 | 1,164 | - | - | 13,583 |
| 2004 | - | - | - | 3,995 | 3,367 | 4,725 | 8,211 | 2,147 | - | - | 22,445 |
| 2005 | - | - | - | 1,143 | 4,795 | 1,160 | 5,075 | 2,654 | - | - | 14,827 |
| 2006 | - | - | - | 3,951 | 5,208 | 2,146 | - | 3,668 | - | - | 14,973 |
| 2007 | - | - | - | 1,737 | 4,987 | 4,914 | 5,212 | 1,511 | - | - | 18,361 |
| 2008 | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | 2,017 | 2,237 | - | - | 4,254 |
| 2010 | - | - | - | 464 | 638 | 897 | 1,841 | 183 | - | - | 4,023 |
| 2011 ^{av} | - | - | - | 1,656 | 2,570 | 4,581 | 4,583 | 723 | - | - | 14,113 |

TABLE A-4. California ocean recreational salmon fishing effort in angler trips by port and month. (Page 2 of 3)

| Year or Avg. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|----------------------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|---------|
| <u>Fort Bragg</u> | | | | | | | | | | | |
| 1976-1980 | -- | -- | 0 | 117 | 1,652 | 5,610 | 3,703 | 596 | 1 | 0 | 11,679 |
| 1981-1985 | -- | -- | 2 | 53 | 2,246 | 5,039 | 2,074 | 138 | 4 | 0 | 9,557 |
| 1986-1990 | 0 | 2 | 80 | 705 | 4,483 | 7,055 | 2,464 | 650 | 4 | 0 | 15,441 |
| 1991-1995 | 161 | 313 | 745 | 2,001 | 6,137 | 9,103 | 5,427 | 1,316 | 276 | 6 | 20,573 |
| 1996-2000 | 32 | 374 | 910 | 2,269 | 6,011 | 3,120 | 5,059 | 1,277 | 265 | -- | 19,117 |
| 2001 | -- | 690 | 1,269 | 3,402 | 7,228 | 9,454 | 6,879 | 1,754 | 107 | 15 | 30,798 |
| 2002 | 194 | 897 | 2,428 | 4,889 | 7,004 | 8,494 | 7,458 | 435 | 3 | 0 | 31,802 |
| 2003 | 607 | 1,282 | 938 | 2,662 | 5,729 | 8,252 | 3,466 | 768 | 5 | 0 | 23,709 |
| 2004 | 183 | 999 | 1,069 | 2,408 | 8,760 | 11,560 | 4,266 | 1,061 | 240 | 27 | 30,573 |
| 2005 | 869 | 521 | 841 | 1,910 | 4,525 | 6,666 | 7,994 | 964 | 22 | 0 | 24,312 |
| 2006 | 289 | 298 | 800 | 2,327 | 5,917 | 6,655 | 4,051 | 631 | 0 | 0 | 20,968 |
| 2007 | 249 | 855 | 692 | 2,280 | 5,593 | 5,271 | 2,013 | 146 | 25 | 0 | 17,124 |
| 2008 | 206 | 185 | - | - | - | - | - | - | - | - | 391 |
| 2009 | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | 1,269 | 1,230 | 743 | 1,460 | 1,625 | 232 | - | - | 6,559 |
| 2011 ^{av} | - | - | 1,522 | 1,513 | 2,274 | 6,209 | 1,963 | 650 | 182 | - | 14,313 |
| <u>San Francisco</u> | | | | | | | | | | | |
| 1976-1980 | 8,103 | 10,269 | 7,245 | 8,582 | 10,414 | 15,307 | 15,199 | 12,488 | 7,866 | 4,022 | 97,886 |
| 1981-1985 | 4,117 | 5,811 | 6,039 | 6,892 | 10,779 | 15,006 | 14,061 | 9,291 | 5,577 | 1,343 | 78,915 |
| 1986-1990 | 4,825 | 9,832 | 12,258 | 8,986 | 12,572 | 18,560 | 15,985 | 9,606 | 4,755 | 1,198 | 98,579 |
| 1991-1995 | 345 | 6,148 | 6,812 | 8,020 | 12,807 | 29,791 | 17,622 | 8,726 | 4,520 | 148 | 94,781 |
| 1996-2000 | - | 6,364 | 9,125 | 9,112 | 13,999 | 27,446 | 17,266 | 7,577 | 3,985 | 916 | 93,968 |
| 2001 | - | - | 5,689 | 8,646 | 4,968 | 17,387 | 15,521 | 10,727 | 5,974 | 2,578 | 71,490 |
| 2002 | - | - | 5,322 | 10,758 | 14,016 | 28,354 | 21,029 | 7,104 | 1,820 | 381 | 88,784 |
| 2003 | - | - | 4,013 | 8,559 | 11,885 | 22,201 | 11,087 | 5,945 | 2,662 | 264 | 66,616 |
| 2004 | - | - | 7,232 | 15,145 | 15,864 | 32,723 | 21,167 | 8,372 | 4,063 | 1,512 | 106,078 |
| 2005 | - | - | 9,003 | 10,890 | 9,888 | 22,712 | 13,543 | 11,925 | 5,846 | 965 | 84,772 |
| 2006 | - | - | 3,860 | 11,575 | 13,994 | 20,739 | 5,557 | 3,371 | 1,827 | 448 | 61,371 |
| 2007 | - | - | 3,505 | 6,915 | 8,340 | 13,775 | 4,908 | 2,511 | 1,766 | 1,394 | 43,114 |
| 2008 | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | 3,889 | 1,521 | 1,693 | 4,846 | 5,730 | 1,673 | - | - | 19,352 |
| 2011 ^{av} | - | - | 2,035 | 2,240 | 1,599 | 8,457 | 9,033 | 7,518 | 3,249 | - | 34,131 |

TABLE A-4. California ocean recreational salmon fishing effort in angler trips by port and month. (Page 3 of 3)

| Year or Avg. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|------------------------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|---------|
| Monterey | | | | | | | | | | | |
| 1976-1980 | 1,763 | 2,199 | 1,984 | 1,229 | 931 | 1,137 | 498 | 161 | 101 | 56 | 10,038 |
| 1981-1985 | 990 | 2,134 | 2,730 | 1,953 | 1,317 | 1,993 | 805 | 164 | 67 | 84 | 12,237 |
| 1986-1990 | 3,447 | 7,261 | 11,695 | 4,141 | 6,637 | 10,555 | 4,182 | 637 | 269 | 364 | 49,189 |
| 1991-1995 | 505 | 9,243 | 15,522 | 12,159 | 11,062 | 16,341 | 4,519 | 1,051 | 1,498 | 600 | 71,520 |
| 1996-2000 | - | 11,189 | 15,209 | 10,403 | 11,864 | 12,301 | 3,672 | 762 | - | - | 63,009 |
| 2001 | - | 883 | 19,395 | 10,966 | 2,071 | 3,934 | 604 | 301 | - | - | 38,154 |
| 2002 | - | 2,863 | 32,727 | 11,892 | 9,005 | 8,983 | 2,304 | 149 | - | - | 67,923 |
| 2003 | - | 5,092 | 10,118 | 5,834 | 3,165 | 4,083 | 233 | -- | - | - | 28,525 |
| 2004 | - | - | 24,564 | 11,320 | 4,443 | 13,358 | 2,335 | 475 | 0 | - | 56,495 |
| 2005 | - | - | 14,787 | 6,997 | 13,298 | 8,870 | 1,354 | 361 | - | - | 45,667 |
| 2006 | - | - | 14,538 | 3,226 | 5,465 | 4,311 | 76 | 100 | - | - | 27,716 |
| 2007 | - | - | 10,846 | 4,102 | 5,687 | 2,502 | 1,611 | 434 | 26 | - | 25,208 |
| 2008 | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | 11,616 | 4,019 | 300 | 2,004 | 528 | 60 | - | - | 18,527 |
| 2011 ^{a/} | - | - | 11,963 | 2,119 | 3,005 | 5,520 | 3,265 | 1,903 | - | - | 27,775 |
| Total Statewide | | | | | | | | | | | |
| 1976-1980 | 9,865 | 12,468 | 9,233 | 10,285 | 21,968 | 44,285 | 30,130 | 14,806 | 7,981 | 4,078 | 163,469 |
| 1981-1985 | 5,107 | 7,945 | 8,772 | 10,692 | 22,993 | 45,287 | 28,475 | 10,590 | 5,662 | 1,426 | 146,950 |
| 1986-1990 | 8,272 | 17,094 | 24,034 | 16,896 | 44,266 | 74,160 | 36,515 | 12,837 | 5,029 | 1,563 | 240,667 |
| 1991-1995 | 675 | 15,641 | 23,079 | 25,264 | 38,143 | 62,125 | 30,137 | 14,807 | 5,943 | 302 | 215,996 |
| 1996-2000 | 32 | 17,927 | 25,245 | 23,878 | 38,002 | 46,084 | 31,995 | 10,517 | 4,144 | 916 | 194,586 |
| 2001 | -- | 1,573 | 26,353 | 25,889 | 21,705 | 37,640 | 29,198 | 14,103 | 6,081 | 2,593 | 165,135 |
| 2002 | 194 | 3,760 | 40,477 | 30,761 | 36,535 | 46,562 | 39,552 | 10,007 | 1,823 | 381 | 210,052 |
| 2003 | 607 | 6,374 | 15,069 | 19,600 | 24,402 | 37,972 | 19,455 | 8,217 | 2,667 | 264 | 134,627 |
| 2004 | 183 | 999 | 32,865 | 33,471 | 33,038 | 63,055 | 36,822 | 12,468 | 4,303 | 1,539 | 218,743 |
| 2005 | 869 | 521 | 24,631 | 21,071 | 33,300 | 39,900 | 28,870 | 16,085 | 5,868 | 965 | 172,080 |
| 2006 | 289 | 298 | 19,198 | 21,404 | 31,338 | 34,163 | 9,684 | 7,857 | 1,827 | 448 | 126,506 |
| 2007 | 249 | 855 | 15,043 | 15,311 | 25,091 | 27,489 | 13,969 | 4,671 | 1,817 | 1,394 | 105,889 |
| 2008 | 206 | 185 | - | - | - | - | - | - | - | - | 391 |
| 2009 | - | - | - | - | - | - | 2,515 | 2,844 | - | - | 5,359 |
| 2010 | - | - | 16,774 | 7,306 | 3,412 | 9,255 | 9,757 | 2,163 | - | - | 48,667 |
| 2011 ^{a/} | - | - | 15,520 | 7,715 | 9,552 | 25,012 | 19,029 | 10,839 | 3,431 | - | 91,098 |

a/ Preliminary.

TABLE A-5. California ocean recreational salmon landings in numbers of fish by port of landing and month. (Page 1 of 2)

| Year or Avg. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|----------------------|------|------|-------|-------|-------|--------|-------|-------|------|------|--------|-------------|------|------|-----|-------|--------|-------|-------|------|------|--------|
| CHINOOK | | | | | | | | | | | | COHO | | | | | | | | | | |
| Crescent City | | | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | -- | -- | 0 | 2 | 470 | 1,756 | 1,286 | 81 | 0 | 0 | 3,595 | -- | -- | 0 | 9 | 3,087 | 6,587 | 2,049 | 156 | 0 | 0 | 11,889 |
| 1981-1985 | -- | -- | 0 | 497 | 1,439 | 3,107 | 1,925 | 65 | 0 | 0 | 7,032 | -- | -- | 0 | 23 | 1,222 | 4,403 | 1,656 | 72 | 0 | 0 | 7,376 |
| 1986-1990 | -- | -- | - | 414 | 4,552 | 7,689 | 1,640 | 315 | - | - | 14,610 | -- | -- | - | 71 | 3,561 | 8,430 | 1,645 | 141 | - | - | 13,847 |
| 1991-1995 | - | - | - | 1,316 | 1,402 | 1,101 | 301 | 405 | - | - | 3,481 | - | - | - | 5 | 2,223 | 5,171 | 725 | 133 | - | - | 5,597 |
| 1996-2000 | - | - | - | 166 | 827 | 680 | 659 | 81 | - | - | 2,413 | - | - | - | 4 | 27 | 23 | 21 | 19 | - | - | 61 |
| 2001 | - | - | - | 484 | 607 | 533 | 507 | 105 | - | - | 2,236 | - | - | - | 3 | 52 | 24 | 16 | - | - | - | 95 |
| 2002 | - | - | - | 283 | 245 | 31 | 392 | 156 | - | - | 1,107 | - | - | - | - | 26 | 3 | 4 | - | - | - | 33 |
| 2003 | - | - | - | 62 | 76 | 60 | 90 | 103 | - | - | 391 | - | - | - | - | 4 | - | 12 | - | - | - | 16 |
| 2004 | - | - | - | 487 | 259 | 172 | 309 | 63 | - | - | 1,290 | - | - | - | 8 | 7 | 40 | 24 | - | - | - | 79 |
| 2005 | - | - | - | 11 | 829 | 389 | 240 | 29 | - | - | 1,498 | - | - | - | - | 4 | - | 17 | - | - | - | 21 |
| 2006 | - | - | - | 252 | 273 | 216 | - | 15 | - | - | 756 | - | - | - | 3 | 9 | 8 | - | - | - | - | 20 |
| 2007 | - | - | - | 30 | 198 | 589 | 27 | 27 | - | - | 871 | - | - | - | - | 8 | 43 | - | 5 | - | - | 56 |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | 36 | 111 | - | - | 147 | - | - | - | - | - | - | - | 3 | - | - | 3 |
| 2010 | - | - | - | 0 | 0 | 0 | 0 | 0 | - | - | 0 | - | - | - | - | - | - | - | - | - | - | - |
| 2011 ^a | - | - | - | 36 | 12 | 42 | 18 | 5 | - | - | 113 | - | - | - | - | - | - | - | - | - | - | - |
| Eureka | | | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | -- | -- | 0 | 159 | 1,247 | 3,656 | 953 | 56 | 4 | 0 | 6,075 | -- | -- | 1 | 97 | 4,135 | 7,074 | 1,734 | 74 | 0 | 0 | 13,114 |
| 1981-1985 | -- | -- | 1 | 1,284 | 2,226 | 4,927 | 1,075 | 73 | 8 | 0 | 9,594 | -- | -- | 0 | 157 | 2,585 | 5,755 | 1,718 | 151 | 0 | 0 | 10,366 |
| 1986-1990 | -- | -- | - | 953 | 4,926 | 6,722 | 3,014 | 184 | 0 | - | 15,798 | -- | -- | - | 660 | 5,551 | 12,445 | 2,726 | 269 | 0 | - | 21,651 |
| 1991-1995 | - | - | - | 621 | 3,097 | 1,890 | 725 | 625 | 1 | - | 5,313 | - | - | - | 209 | 3,364 | 5,067 | 506 | 381 | 2 | - | 6,642 |
| 1996-2000 | - | - | - | 805 | 1,948 | 992 | 2,064 | 239 | - | - | 6,049 | - | - | - | 12 | 38 | 16 | 44 | 12 | - | - | 108 |
| 2001 | - | - | - | 1,399 | 3,622 | 2,113 | 2,025 | 1,429 | - | - | 10,588 | - | - | - | 8 | 50 | 20 | 13 | - | - | - | 91 |
| 2002 | - | - | - | 2,259 | 4,991 | 564 | 5,487 | 1,723 | - | - | 15,024 | - | - | - | 10 | 196 | 23 | 24 | 9 | - | - | 262 |
| 2003 | - | - | - | 2,875 | 1,764 | 1,379 | 1,686 | 657 | - | - | 8,361 | - | - | - | 29 | 50 | 8 | 34 | - | - | - | 121 |
| 2004 | - | - | - | 5,496 | 1,946 | 4,377 | 7,153 | 2,582 | - | - | 21,554 | - | - | - | 184 | 76 | 74 | 123 | 24 | - | - | 481 |
| 2005 | - | - | - | 1,015 | 6,485 | 1,879 | 4,020 | 2,647 | - | - | 16,046 | - | - | - | 24 | 44 | 3 | 11 | 48 | - | - | 130 |
| 2006 | - | - | - | 4,316 | 5,413 | 2,113 | - | 3,805 | - | - | 15,647 | - | - | - | 88 | 20 | 25 | - | 88 | - | - | 221 |
| 2007 | - | - | - | 797 | 5,050 | 4,296 | 6,037 | 1,845 | - | - | 18,025 | - | - | - | - | 105 | 96 | 108 | 36 | - | - | 345 |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | 266 | 259 | - | - | 525 | - | - | - | - | - | - | - | 5 | - | - | 5 |
| 2010 | - | - | - | 17 | 158 | 37 | 477 | 31 | - | - | 720 | - | - | - | - | - | - | 50 | - | - | - | 50 |
| 2011 ^a | - | - | - | 624 | 926 | 4,202 | 3,653 | 296 | - | - | 9,701 | - | - | - | 5 | 10 | 50 | 29 | 4 | - | - | 98 |
| Fort Bragg | | | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | -- | -- | 0 | 19 | 367 | 1,724 | 1,212 | 100 | 0 | 0 | 3,423 | -- | -- | 0 | 59 | 634 | 1,239 | 391 | 82 | 0 | 0 | 2,406 |
| 1981-1985 | -- | -- | 1 | 29 | 616 | 1,553 | 319 | 11 | 1 | 0 | 2,530 | -- | -- | 0 | 0 | 224 | 568 | 137 | 3 | 0 | 0 | 932 |
| 1986-1990 | 0 | 1 | 85 | 360 | 2,626 | 3,857 | 674 | 71 | 2 | 0 | 7,676 | 0 | 0 | 0 | 38 | 860 | 1,862 | 264 | 70 | 0 | 0 | 3,094 |
| 1991-1995 | 52 | 85 | 429 | 1,182 | 5,940 | 2,869 | 2,378 | 456 | 43 | 1 | 11,801 | 0 | 1 | 4 | 177 | 1,847 | 7,157 | 678 | 111 | 10 | 0 | 6,985 |
| 1996-2000 | 6 | 112 | 641 | 1,433 | 4,923 | 3,268 | 3,312 | 728 | 37 | - | 14,291 | - | - | 3 | 8 | 66 | 20 | 46 | 17 | - | - | 123 |
| 2001 | -- | 464 | 516 | 2,663 | 6,305 | 10,402 | 5,348 | 358 | 6 | 2 | 26,064 | - | - | - | 57 | 199 | 145 | 36 | - | - | - | 437 |
| 2002 | 14 | 200 | 2,496 | 3,960 | 8,636 | 11,582 | 4,151 | 163 | 0 | 0 | 31,202 | - | - | - | 3 | 47 | 127 | 30 | - | - | - | 207 |
| 2003 | 444 | 845 | 428 | 1,222 | 5,063 | 6,353 | 1,420 | 400 | 5 | 0 | 16,180 | - | - | - | 3 | 45 | 45 | 11 | 5 | - | - | 109 |
| 2004 | 41 | 510 | 107 | 1,657 | 8,494 | 10,211 | 1,334 | 729 | 122 | 0 | 23,205 | - | - | - | - | 64 | 230 | 61 | 21 | - | - | 376 |
| 2005 | 285 | 111 | 183 | 1,142 | 3,848 | 6,632 | 9,642 | 335 | 5 | 0 | 22,183 | - | - | - | - | - | 48 | 28 | - | - | - | 76 |
| 2006 | 55 | 109 | 255 | 1,418 | 4,630 | 4,672 | 2,743 | 111 | 0 | 0 | 13,993 | - | - | - | 19 | 140 | 176 | 40 | - | - | - | 375 |
| 2007 | 48 | 200 | 67 | 1,425 | 1,873 | 1,980 | 158 | 0 | 0 | 0 | 5,751 | - | - | - | - | 5 | 12 | 4 | - | - | - | 21 |
| 2008 | 0 | 6 | - | - | - | - | - | - | - | - | 6 | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | 204 | 264 | 27 | 417 | 657 | 109 | - | - | 1,678 | - | - | - | 7 | - | 15 | 19 | - | - | - | 41 |
| 2011 ^a | - | - | 878 | 682 | 915 | 3,931 | 507 | 204 | 118 | - | 7,235 | - | - | - | - | 18 | 83 | 4 | - | 5 | - | 110 |

TABLE A-5. California ocean recreational salmon landings in numbers of fish by port of landing and month. (Page 2 of 2)

| Year or Avg. | CHINOOK | | | | | | | | | | | COHO | | | | | | | | | | | |
|------------------------|---------|--------|--------|--------|--------|--------|--------|--------|-------|-------|---------|------|------|------|-------|--------|--------|-------|-------|------|------|--------|---|
| | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season | |
| San Francisco | | | | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 5,338 | 7,787 | 7,423 | 5,763 | 10,882 | 14,396 | 8,390 | 7,292 | 6,618 | 1,328 | 75,216 | 4 | 8 | 229 | 1,341 | 875 | 883 | 203 | 53 | 14 | 2 | 3,611 | |
| 1981-1985 | 5,339 | 5,819 | 5,505 | 7,181 | 12,346 | 16,869 | 16,032 | 8,497 | 5,527 | 1,367 | 84,484 | 0 | 1 | 11 | 138 | 439 | 323 | 145 | 37 | 29 | 0 | 1,123 | |
| 1986-1990 | 4,510 | 10,976 | 16,873 | 8,315 | 12,172 | 17,167 | 15,479 | 7,596 | 4,108 | 1,094 | 98,291 | 0 | 1 | 38 | 159 | 339 | 379 | 480 | 83 | 12 | 0 | 1,490 | |
| 1991-1995 | 106 | 5,185 | 7,028 | 6,921 | 14,149 | 33,404 | 13,387 | 8,221 | 3,591 | 52 | 91,971 | 1 | 8 | 17 | 71 | 1,035 | 1,184 | 157 | 31 | 13 | 0 | 2,517 | |
| 1996-2000 | - | 6,310 | 8,191 | 8,343 | 13,124 | 27,456 | 12,395 | 4,759 | 2,955 | 982 | 82,664 | - | - | - | 8 | 60 | 68 | 12 | 15 | 6 | - | 140 | |
| 2001 | - | - | 3,314 | 6,207 | 1,613 | 11,167 | 6,717 | 6,552 | 3,065 | 1,221 | 39,856 | - | - | - | 165 | 8 | 306 | 10 | - | - | - | 489 | |
| 2002 | - | - | 4,953 | 13,189 | 17,955 | 34,305 | 13,097 | 3,100 | 348 | 61 | 87,008 | - | - | 2 | 19 | 72 | 191 | 16 | - | - | - | 300 | |
| 2003 | - | - | 4,707 | 9,358 | 13,179 | 19,974 | 5,067 | 3,288 | 1,043 | 0 | 56,616 | - | - | - | 38 | 71 | 94 | - | 4 | - | - | 207 | |
| 2004 | - | - | 6,847 | 18,714 | 23,692 | 47,484 | 22,562 | 7,887 | 2,696 | 338 | 130,220 | - | - | - | 41 | 40 | 236 | 140 | 13 | - | - | 470 | |
| 2005 | - | - | 7,878 | 10,827 | 12,593 | 20,653 | 5,959 | 10,609 | 3,950 | 355 | 72,824 | - | - | - | 16 | 147 | 110 | - | - | - | - | 273 | |
| 2006 | - | - | 1,803 | 12,416 | 18,151 | 20,092 | 1,280 | 861 | 256 | 67 | 54,926 | - | - | - | 57 | 296 | 310 | 9 | - | - | - | 672 | |
| 2007 | - | - | 796 | 4,245 | 4,642 | 5,419 | 650 | 278 | 441 | 325 | 16,796 | - | - | - | 37 | 30 | 114 | 9 | 14 | - | - | 204 | |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | 1,004 | 452 | 598 | 1,764 | 2,012 | 286 | - | - | 6,116 | - | - | - | - | 68 | - | - | 8 | - | - | 76 | |
| 2011 ^{a/} | - | - | 429 | 919 | 320 | 4,429 | 6,478 | 5,850 | 1,140 | - | 19,565 | - | - | - | - | 17 | 26 | - | - | - | - | 43 | |
| Monterey | | | | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 493 | 717 | 1,292 | 456 | 532 | 437 | 92 | 41 | 45 | 11 | 4,114 | 6 | 6 | 9 | 39 | 43 | 29 | 7 | 0 | 0 | 0 | 139 | |
| 1981-1985 | 608 | 1,446 | 1,731 | 444 | 341 | 568 | 236 | 22 | 18 | 43 | 5,457 | 0 | 0 | 10 | 11 | 17 | 12 | 20 | 0 | 0 | 0 | 70 | |
| 1986-1990 | 1,120 | 4,312 | 9,407 | 1,362 | 4,126 | 7,467 | 1,704 | 167 | 129 | 225 | 30,020 | 0 | 0 | 18 | 15 | 101 | 144 | 28 | 1 | 0 | 0 | 306 | |
| 1991-1995 | 215 | 6,106 | 14,107 | 7,457 | 7,574 | 18,690 | 2,519 | 248 | 1,032 | 372 | 57,730 | 0 | 0 | 2 | 12 | 245 | 361 | 34 | 0 | 6 | 0 | 657 | |
| 1996-2000 | - | 7,763 | 15,030 | 7,820 | 11,023 | 9,943 | 1,908 | 490 | - | - | 52,326 | - | - | - | - | 19 | 12 | 4 | - | - | - | 20 | |
| 2001 | - | 792 | 14,229 | 3,022 | 235 | 1,552 | 89 | 120 | - | - | 20,039 | - | - | 4 | 198 | 4 | 11 | - | - | - | - | 217 | |
| 2002 | - | 2,779 | 30,310 | 4,784 | 3,751 | 5,441 | 611 | 27 | - | - | 47,703 | - | - | - | - | 11 | 15 | - | - | - | - | 26 | |
| 2003 | - | 3,133 | 4,434 | 1,629 | 801 | 3,115 | 14 | - | - | - | 13,126 | - | - | - | 29 | 81 | 50 | - | - | - | - | 160 | |
| 2004 | - | - | 24,516 | 4,476 | 1,762 | 12,916 | 1,074 | 101 | 0 | - | 44,845 | - | - | - | - | 9 | 9 | - | - | - | - | 18 | |
| 2005 | - | - | 6,194 | 2,303 | 14,910 | 6,809 | 414 | 76 | - | - | 30,706 | - | - | - | 19 | 95 | 85 | - | - | - | - | 199 | |
| 2006 | - | - | 7,350 | 399 | 1,318 | 1,893 | 0 | 10 | - | - | 10,970 | - | - | - | 32 | 204 | 102 | - | - | - | - | 338 | |
| 2007 | - | - | 2,289 | 735 | 2,098 | 681 | 346 | 112 | 0 | - | 6,261 | - | - | - | 16 | 69 | 23 | 12 | - | - | - | 120 | |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | 4,057 | 1,692 | 5 | 387 | 154 | 0 | - | - | 6,295 | - | - | 8 | - | - | - | - | - | - | - | 8 | |
| 2011 ^{a/} | - | - | 4,206 | 270 | 1,168 | 3,934 | 2,162 | 666 | - | - | 12,406 | - | - | 8 | 10 | 27 | 7 | 13 | - | - | - | 65 | |
| Total Statewide | | | | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 5,830 | 8,504 | 8,715 | 6,399 | 13,497 | 21,969 | 11,933 | 7,569 | 6,667 | 1,338 | 92,422 | 10 | 14 | 239 | 1,545 | 8,774 | 15,812 | 4,383 | 366 | 15 | 2 | 31,158 | |
| 1981-1985 | 5,947 | 7,266 | 7,239 | 9,435 | 16,968 | 27,024 | 19,587 | 8,667 | 5,554 | 1,410 | 109,097 | 0 | 1 | 21 | 329 | 4,486 | 11,061 | 3,677 | 262 | 29 | 0 | 19,866 | |
| 1986-1990 | 5,630 | 15,288 | 26,365 | 11,404 | 28,402 | 42,902 | 22,512 | 8,333 | 4,240 | 1,319 | 166,395 | 0 | 1 | 56 | 943 | 10,412 | 23,259 | 5,142 | 563 | 12 | 0 | 40,388 | |
| 1991-1995 | 244 | 11,376 | 21,564 | 17,109 | 31,262 | 55,610 | 18,628 | 9,956 | 4,451 | 239 | 170,296 | 0 | 9 | 23 | 389 | 7,597 | 11,982 | 1,717 | 656 | 25 | 0 | 22,399 | |
| 1996-2000 | 6 | 14,184 | 23,734 | 18,567 | 31,846 | 42,339 | 20,338 | 6,198 | 2,977 | 982 | 157,742 | - | - | 3 | 16 | 167 | 126 | 125 | 29 | 6 | - | 452 | |
| 2001 | - | 1,256 | 18,059 | 13,775 | 12,382 | 25,767 | 14,686 | 8,564 | 3,071 | 1,223 | 98,783 | - | - | 4 | 431 | 313 | 506 | 75 | - | - | - | 1,329 | |
| 2002 | 14 | 2,979 | 37,759 | 24,475 | 35,578 | 51,923 | 23,738 | 5,169 | 348 | 61 | 182,044 | - | - | 2 | 32 | 352 | 359 | 74 | 9 | - | - | 828 | |
| 2003 | 444 | 3,978 | 9,569 | 15,146 | 20,883 | 30,881 | 8,277 | 4,448 | 1,048 | 0 | 94,674 | - | - | - | 99 | 251 | 197 | 57 | 9 | - | - | 613 | |
| 2004 | 41 | 510 | 31,470 | 30,830 | 36,153 | 75,160 | 32,432 | 11,362 | 2,818 | 338 | 221,114 | - | - | - | 233 | 196 | 589 | 348 | 58 | - | - | 1,424 | |
| 2005 | 285 | 111 | 14,255 | 15,298 | 38,665 | 36,362 | 20,275 | 13,696 | 3,955 | 355 | 143,257 | - | - | - | 59 | 290 | 246 | 56 | 48 | - | - | 699 | |
| 2006 | 55 | 109 | 9,408 | 18,801 | 29,785 | 28,986 | 4,023 | 4,802 | 256 | 67 | 96,292 | - | - | - | 199 | 669 | 621 | 49 | 88 | - | - | 1,626 | |
| 2007 | 48 | 200 | 3,152 | 7,232 | 13,861 | 12,965 | 7,218 | 2,262 | 441 | 325 | 47,704 | - | - | - | 53 | 217 | 288 | 133 | 55 | - | - | 746 | |
| 2008 | 0 | 6 | - | - | - | - | - | - | - | - | 6 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | 302 | 370 | - | - | 672 | - | - | - | - | - | - | - | 8 | - | - | 8 | |
| 2010 | - | - | 5,265 | 2,425 | 788 | 2,605 | 3,300 | 426 | - | - | 14,809 | - | - | 8 | 7 | 68 | 15 | 69 | 8 | - | - | 175 | |
| 2011 ^{a/} | - | - | 5,513 | 2,531 | 3,341 | 16,538 | 12,818 | 7,021 | 1,258 | - | 49,020 | - | - | 8 | 15 | 72 | 166 | 46 | 4 | 5 | - | 316 | |

a/ Preliminary.

TABLE A-6. Summary of Oregon commercial troll salmon fishing effort in days fished and landings in fish by catch area.^{a/} (Page 1 of 2)

| Year or Average | Astoria | Tillamook | Newport | Coos Bay | Brookings | Oregon Subtotal | Alaska | Washington | California | Total |
|-------------------------|---------|-----------|---------|----------|-----------|--------------------|--------|------------|------------|---------|
| DAYS FISHED | | | | | | | | | | |
| 1976-1980 | 2,875 | 7,782 | 15,029 | 20,620 | 9,578 | 55,885 | 0 | 1 | 0 | 55,886 |
| 1981-1985 | 1,096 | 3,409 | 6,008 | 9,960 | 5,024 | 25,496 | 8 | 295 | 210 | 26,009 |
| 1986-1990 | 659 | 6,887 | 8,650 | 20,307 | 1,652 | 38,154 | 3 | 74 | 44 | 38,275 |
| 1991-1995 | 374 | 1,941 | 4,722 | 2,011 | 196 | 9,016 | 0 | 22 | 7 | 9,046 |
| 1996-2000 | 70 | 947 | 3,733 | 2,135 | 316 | 7,187 | 0 | 12 | 31 | 7,230 |
| 2001 | 242 | 1,357 | 5,248 | 3,830 | 471 | 11,148 | 0 | 19 | 26 | 11,193 |
| 2002 | 430 | 1,648 | 4,391 | 4,804 | 428 | 11,701 | 0 | 286 | 7 | 11,994 |
| 2003 | 413 | 1,889 | 4,562 | 5,026 | 528 | 12,418 | 0 | 101 | 9 | 12,528 |
| 2004 | 347 | 1,341 | 4,839 | 6,159 | 518 | 13,204 | 0 | 221 | 0 | 13,425 |
| 2005 | 516 | 1,722 | 4,279 | 4,857 | 249 | 11,623 | 0 | 0 | 0 | 11,623 |
| 2006 | 981 | 749 | 2,248 | 367 | 183 | 4,528 | 0 | 0 | 0 | 4,528 |
| 2007 | 325 | 703 | 1,115 | 2,626 | 464 | 5,233 | 0 | 0 | 0 | 5,233 |
| 2008 | 661 | 49 | - | 48 | 51 | 809 | 0 | 0 | - | 809 |
| 2009 | 528 | 271 | 284 | 136 | - | 1,219 | 0 | 0 | - | 1,219 |
| 2010 | 634 | 400 | 1,521 | 1,555 | 181 | 4,291 | 0 | 0 | - | 4,291 |
| 2011 ^{b/} | 288 | 218 | 736 | 2,187 | 286 | 3,715 | 0 | 0 | - | 3,715 |
| CHINOOK LANDINGS | | | | | | | | | | |
| 1976-1980 | 15,336 | 11,222 | 46,613 | 85,563 | 73,899 | 232,632 | 300 | 2,800 | 900 | 236,632 |
| 1981-1985 | 5,556 | 5,901 | 27,917 | 63,507 | 42,623 | 145,503 | 89 | 2,982 | 2,157 | 150,731 |
| 1986-1990 | 3,477 | 26,242 | 82,957 | 253,426 | 28,825 | 394,927 | 137 | 1,179 | 1,386 | 397,628 |
| 1991-1995 | 937 | 6,887 | 76,934 | 15,554 | 1,679 | 100,945 | 0 | 212 | 276 | 101,432 |
| 1996-2000 | 572 | 8,191 | 81,290 | 36,042 | 3,542 | 129,523 | 0 | 54 | 597 | 130,175 |
| 2001 | 4,091 | 26,357 | 168,644 | 72,272 | 3,599 | 274,963 | 0 | 1,194 | 539 | 276,696 |
| 2002 | 12,797 | 30,331 | 132,084 | 122,174 | 6,803 | 304,189 | 0 | 14,966 | 182 | 319,337 |
| 2003 | 10,384 | 33,516 | 148,550 | 132,156 | 5,072 | 329,678 | 0 | 3,188 | 833 | 333,699 |
| 2004 | 3,118 | 9,677 | 91,288 | 140,142 | 8,484 | 252,709 | 0 | 8,522 | 0 | 261,231 |
| 2005 | 10,085 | 27,980 | 90,064 | 120,900 | 2,266 | 251,295 | 0 | 0 | 0 | 251,295 |
| 2006 | 10,489 | 2,756 | 19,003 | 1,979 | 738 | 34,965 | 0 | 0 | 0 | 34,965 |
| 2007 | 1,443 | 4,178 | 4,064 | 21,705 | 4,097 | 35,487 | 0 | 0 | 0 | 35,487 |
| 2008 | 5,434 | 76 | - | 208 | 236 | 5,954 | 0 | 0 | - | 5,954 |
| 2009 | 712 | 144 | - | 293 | - | 1,149 | 0 | 0 | - | 1,149 |
| 2010 | 11,120 | 3,648 | 12,377 | 11,419 | 869 | 39,433 | 0 | 0 | - | 39,433 |
| 2011 ^{b/} | 2,836 | 1,099 | 4,942 | 21,740 | 1,317 | 31,934 | 0 | 0 | - | 31,934 |

TABLE A-6. Summary of Oregon commercial troll salmon fishing effort in days fished and landings in numbers of fish by catch area.^{a/} (Page 2 of 2)

| Year or Average | Astoria | Tillamook | Newport | Coos Bay | Brookings | Oregon Subtotal | Alaska | Washington | California | Total |
|----------------------|---------|-----------|---------|----------|-----------|--------------------|--------|------------|------------|---------|
| COHO LANDINGS | | | | | | | | | | |
| 1976-1980 | 73,122 | 126,085 | 192,121 | 290,131 | 60,235 | 741,694 | 1,800 | 9,300 | 300 | 753,094 |
| 1981-1985 | 21,305 | 84,331 | 109,715 | 131,470 | 24,728 | 301,499 | 0 | 9,590 | 621 | 311,710 |
| 1986-1990 | 21,364 | 106,658 | 135,872 | 132,522 | 6,375 | 397,243 | 7 | 4,179 | 279 | 401,708 |
| 1991-1995 | 9,949 | 48,905 | 41,190 | 35,625 | - | 119,367 | 0 | 106 | 55 | 119,527 |
| 1996-2000 | 12,258 | - | - | 8 | - | 6,133 | 0 | 57 | - | 6,190 |
| 2001 | 9,333 | - | - | - | - | 9,333 | 0 | 34 | - | 9,367 |
| 2002 | 1,515 | - | - | - | - | 1,515 | 0 | 0 | - | 1,515 |
| 2003 | 6,441 | - | - | - | - | 6,441 | 0 | 270 | - | 6,711 |
| 2004 | 8,839 | - | - | - | - | 8,839 | 0 | 453 | - | 9,292 |
| 2005 | 2,618 | - | - | - | - | 2,618 | 0 | 0 | - | 2,618 |
| 2006 | 1,414 | - | - | - | - | 1,414 | 0 | 0 | - | 1,414 |
| 2007 | 11,553 | 1,279 | 1,872 | 2,391 | - | 17,095 | 0 | 0 | - | 17,095 |
| 2008 | 435 | - | - | - | - | 435 | 0 | 0 | - | 435 |
| 2009 | 12,688 | 3,491 | 5,103 | 686 | - | 21,968 | 0 | 0 | - | 21,968 |
| 2010 | 1,038 | - | - | - | - | 1,038 | 0 | 0 | - | 1,038 |
| 2011 ^{b/} | 464 | - | - | - | - | 464 | 0 | 0 | - | 464 |

a/ Days fished and landings are reported by port of landing through 1978 and by area of catch beginning in 1979. Catch and landing areas include the following port areas: Astoria area includes Oregon ports from Astoria through Cannon Beach; Tillamook area includes Nehalem through Pacific City; Newport area includes Depoe Bay through Waldport; Coos Bay area prior to 1986 includes Florence through Bandon and after 1987 includes Florence through Port Orford; Brookings area prior to 1986 includes Port Orford through Brookings and after 1987 includes Gold Beach through Brookings. Values include state-waters only terminal area fisheries.

b/ Preliminary.

TABLE A-7. Oregon commercial troll salmon effort in days fished by area and month.^{a/} (Page 1 of 4)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season |
|--------------------|------|------|-----|-------|-------|-------|-------|------|------|------|--------|
| <u>Astoria</u> | | | | | | | | | | | |
| 1976-1980 | - | - | 205 | 299 | 1,220 | 844 | 251 | 56 | - | 1 | 2,875 |
| 1981-1985 | - | - | 402 | 0 | 322 | 338 | 33 | 0 | - | - | 1,096 |
| 1986-1990 | - | - | 146 | 26 | 183 | 579 | 273 | 22 | - | - | 659 |
| 1991-1995 | - | - | 58 | 43 | 50 | 166 | 111 | - | - | - | 374 |
| 1996-2000 | - | - | 2 | 2 | - | 246 | 18 | - | - | - | 70 |
| 2001 | - | - | 5 | 26 | 84 | 100 | 27 | - | - | - | 242 |
| 2002 | - | - | 24 | 56 | 156 | 194 | - | - | - | - | 430 |
| 2003 | - | - | 95 | 20 | 111 | 143 | 44 | - | - | - | 413 |
| 2004 | - | - | 48 | 1 | 66 | 88 | 144 | - | - | - | 347 |
| 2005 | - | - | 216 | 36 | 30 | 234 | - | - | - | - | 516 |
| 2006 | - | - | 510 | 299 | 2 | 77 | 93 | - | - | - | 981 |
| 2007 | - | - | 77 | 46 | 40 | 148 | 14 | - | - | - | 325 |
| 2008 | - | - | 279 | 282 | 33 | 57 | 10 | - | - | - | 661 |
| 2009 | - | - | 72 | 85 | 232 | 130 | 9 | - | - | - | 528 |
| 2010 | - | - | 69 | 288 | 141 | 120 | 16 | - | - | - | 634 |
| 2011 ^{b/} | - | - | 85 | 119 | 45 | 24 | 15 | - | - | - | 288 |
| <u>Tillamook</u> | | | | | | | | | | | |
| 1976-1980 | - | - | 23 | 1,152 | 3,574 | 2,656 | 316 | 62 | - | - | 7,782 |
| 1981-1985 | - | - | 98 | 47 | 2,030 | 999 | 140 | 94 | - | - | 3,409 |
| 1986-1990 | - | - | 182 | 328 | 2,931 | 1,831 | 1,007 | 604 | 17 | - | 6,887 |
| 1991-1995 | - | - | 96 | 95 | 714 | 476 | 558 | 513 | 2 | - | 1,941 |
| 1996-2000 | - | - | 71 | 188 | 61 | 186 | 276 | 186 | 13 | - | 947 |
| 2001 | - | 46 | 101 | 227 | 307 | 302 | 248 | 117 | 9 | - | 1,357 |
| 2002 | 13 | 19 | 132 | 242 | 125 | 323 | 396 | 394 | 4 | - | 1,648 |
| 2003 | 9 | 15 | 534 | 453 | 159 | 148 | 285 | 264 | 22 | - | 1,889 |
| 2004 | 15 | 201 | 226 | 136 | 106 | 126 | 290 | 227 | 14 | - | 1,341 |
| 2005 | 247 | 40 | 347 | 710 | - | - | 287 | 90 | 1 | - | 1,722 |
| 2006 | - | - | - | 177 | 11 | 34 | 178 | 318 | 31 | - | 749 |
| 2007 | - | 8 | 284 | 101 | 4 | 86 | 95 | 95 | 30 | - | 703 |
| 2008 | - | - | - | - | - | - | 37 | 12 | -- | - | 49 |
| 2009 | - | - | - | - | - | - | 247 | 24 | - | - | 271 |
| 2010 | - | - | 32 | 176 | 109 | 37 | 37 | 9 | - | - | 400 |
| 2011 ^{b/} | - | 1 | 24 | 96 | 21 | 23 | 30 | 23 | - | - | 218 |

TABLE A-7. Oregon commercial troll salmon effort in days fished by area and month.^{a/} (Page 2 of 4)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season |
|--------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| <u>Newport</u> | | | | | | | | | | | |
| 1976-1980 | - | - | 300 | 1,662 | 6,370 | 5,374 | 1,003 | 321 | 1 | - | 15,029 |
| 1981-1985 | - | - | 600 | 300 | 3,004 | 1,728 | 198 | 174 | 4 | - | 6,008 |
| 1986-1990 | - | - | 826 | 1,180 | 3,835 | 1,597 | 619 | 594 | - | - | 8,650 |
| 1991-1995 | - | - | 945 | 1,236 | 1,176 | 1,159 | 601 | 554 | - | - | 4,722 |
| 1996-2000 | - | - | 920 | 915 | 329 | 848 | 453 | 241 | - | - | 3,733 |
| 2001 | - | 446 | 1,264 | 1,033 | 495 | 1,081 | 591 | 338 | - | - | 5,248 |
| 2002 | 186 | 345 | 788 | 471 | 278 | 411 | 746 | 1,166 | - | - | 4,391 |
| 2003 | 41 | 265 | 884 | 528 | 470 | 626 | 927 | 821 | - | - | 4,562 |
| 2004 | 485 | 1,060 | 1,279 | 628 | 383 | 405 | 496 | 103 | - | - | 4,839 |
| 2005 | 296 | 145 | 554 | 1,953 | - | - | 1,005 | 326 | - | - | 4,279 |
| 2006 | - | - | - | 857 | 476 | 152 | 423 | 248 | 92 | - | 2,248 |
| 2007 | - | 81 | 354 | 294 | 94 | 166 | 91 | 29 | 6 | - | 1,115 |
| 2008 | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | 284 | - | - | - | 284 |
| 2010 | - | - | 478 | 409 | 288 | 346 | - | - | - | - | 1,521 |
| 2011 ^{b/} | - | 60 | 323 | 220 | 22 | 101 | - | 10 | - | - | 736 |
| <u>Coos Bay</u> | | | | | | | | | | | |
| 1976-1980 | - | - | 524 | 2,531 | 9,644 | 6,069 | 1,491 | 355 | 2,628 | 2,628 | 20,620 |
| 1981-1985 | - | - | 714 | 664 | 5,159 | 2,633 | 604 | 180 | 5 | - | 9,960 |
| 1986-1990 | - | - | 2,737 | 2,986 | 7,267 | 4,665 | 1,588 | 964 | 497 | - | 20,307 |
| 1991-1995 | - | - | 193 | 696 | 554 | 418 | 287 | 255 | 88 | - | 2,011 |
| 1996-2000 | - | - | 291 | 471 | 570 | 498 | 243 | 209 | 104 | - | 2,135 |
| 2001 | - | 445 | 646 | 720 | 556 | 668 | 375 | 293 | 126 | 1 | 3,830 |
| 2002 | 168 | 476 | 792 | 1,252 | 279 | 559 | 465 | 644 | 154 | 15 | 4,804 |
| 2003 | 125 | 1,110 | 1,439 | 560 | 273 | 573 | 453 | 362 | 117 | 14 | 5,026 |
| 2004 | 406 | 1,245 | 632 | 1,055 | 336 | 1,302 | 573 | 374 | 215 | 21 | 6,159 |
| 2005 | 755 | 184 | 1,931 | - | - | - | 1,227 | 544 | 141 | 75 | 4,857 |
| 2006 | - | - | - | - | - | - | 30 | 156 | 155 | 26 | 367 |
| 2007 | - | 249 | 560 | 396 | 166 | 891 | 118 | 120 | 125 | 1 | 2,626 |
| 2008 | - | - | - | - | - | - | - | - | 48 | - | 48 |
| 2009 | - | - | - | - | - | - | 100 | 36 | - | - | 136 |
| 2010 | - | - | 508 | 400 | 167 | 332 | - | 148 | - | - | 1,555 |
| 2011 ^{b/} | - | 256 | 537 | 754 | 57 | 79 | 72 | 202 | 230 | - | 2,187 |

TABLE A-7. Oregon commercial troll salmon effort in days fished by area and month.^{a/} (Page 3 of 4)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season |
|-----------------------------|-------|-------|-------|-------|--------|--------|-------|-------|------|------|--------|
| Brookings | | | | | | | | | | | |
| 1976-1980 | - | - | 187 | 1,090 | 3,079 | 2,241 | 1,469 | 939 | 572 | - | 9,578 |
| 1981-1985 | - | - | 265 | 188 | 1,367 | 1,708 | 427 | 732 | 336 | - | 5,024 |
| 1986-1990 | - | - | 319 | 647 | 556 | 607 | 125 | 224 | 217 | - | 1,652 |
| 1991-1995 | - | - | 45 | - | 48 | 56 | 22 | 186 | - | - | 196 |
| 1996-2000 | - | - | 55 | - | - | 80 | 47 | 150 | - | - | 316 |
| 2001 | - | - | 18 | 41 | - | 150 | 96 | 166 | - | - | 471 |
| 2002 | 3 | 15 | 22 | 73 | 82 | 67 | 70 | 96 | - | - | 428 |
| 2003 | 0 | 7 | 47 | 70 | 109 | 106 | 80 | 107 | 2 | - | 528 |
| 2004 | 2 | 9 | 73 | 139 | 102 | 53 | 61 | 61 | 18 | - | 518 |
| 2005 | 6 | 1 | - | - | - | - | 114 | 110 | 18 | - | 249 |
| 2006 | - | - | - | - | - | - | 6 | 150 | 27 | - | 183 |
| 2007 | - | 6 | 8 | 137 | 99 | 95 | 60 | 47 | 12 | - | 464 |
| 2008 | - | - | - | - | - | - | - | 51 | - | - | 51 |
| 2009 | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | 43 | - | 26 | 40 | - | 72 | - | - | 181 |
| 2011 ^{b/} | - | - | 60 | 60 | 8 | 84 | - | 74 | - | - | 286 |
| South of Cape Falcon | | | | | | | | | | | |
| 1976-1980 | - | - | 1,034 | 6,435 | 22,667 | 16,340 | 4,280 | 1,677 | 577 | - | 53,010 |
| 1981-1985 | - | - | 1,678 | 1,199 | 11,559 | 7,068 | 1,368 | 1,180 | 346 | - | 24,400 |
| 1986-1990 | - | - | 4,065 | 5,011 | 14,144 | 8,457 | 3,289 | 2,296 | 292 | - | 37,495 |
| 1991-1995 | - | - | 1,252 | 2,027 | 1,845 | 1,654 | 1,339 | 1,396 | 88 | - | 8,792 |
| 1996-2000 | - | - | 1,337 | 1,579 | 960 | 1,612 | 992 | 786 | 116 | - | 7,131 |
| 2001 | - | 937 | 2,029 | 2,021 | 1,358 | 2,201 | 1,310 | 914 | 135 | 1 | 10,906 |
| 2002 | 370 | 855 | 1,734 | 2,038 | 764 | 1,360 | 1,677 | 2,300 | 158 | 15 | 11,271 |
| 2003 | 175 | 1,397 | 2,904 | 1,611 | 1,011 | 1,453 | 1,745 | 1,554 | 141 | 14 | 12,005 |
| 2004 | 908 | 2,515 | 2,210 | 1,958 | 927 | 1,886 | 1,420 | 765 | 247 | 21 | 12,857 |
| 2005 | 1,304 | 370 | 2,832 | 2,663 | - | - | 2,633 | 1,070 | 160 | 75 | 11,107 |
| 2006 | - | - | - | 1,034 | 487 | 186 | 637 | 872 | 305 | 26 | 3,547 |
| 2007 | - | 344 | 1,206 | 928 | 363 | 1,238 | 364 | 291 | 173 | 1 | 4,908 |
| 2008 | - | - | - | - | - | - | 37 | 63 | 48 | - | 148 |
| 2009 | - | - | - | - | - | - | 631 | 60 | - | - | 691 |
| 2010 | - | - | 1,061 | 985 | 590 | 755 | 37 | 229 | - | - | 3,657 |
| 2011 ^{b/} | - | 317 | 944 | 1,130 | 108 | 287 | 102 | 309 | 230 | - | 3,427 |

TABLE A-7. Oregon commercial troll salmon effort in days fished by area and month.^{a/} (Page 4 of 4)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season |
|------------------------|-------|-------|-------|-------|--------|--------|-------|-------|------|------|--------|
| Statewide Total | | | | | | | | | | | |
| 1976-1980 | - | - | 1,238 | 6,734 | 23,887 | 17,184 | 4,531 | 1,733 | 577 | 1 | 55,885 |
| 1981-1985 | - | - | 2,080 | 1,199 | 11,881 | 7,407 | 1,401 | 1,181 | 346 | - | 25,496 |
| 1986-1990 | - | - | 4,211 | 5,027 | 14,180 | 8,804 | 3,398 | 2,301 | 292 | - | 38,154 |
| 1991-1995 | - | - | 1,287 | 1,647 | 1,870 | 1,753 | 1,384 | 1,396 | 88 | - | 9,016 |
| 1996-2000 | - | - | 1,339 | 1,581 | 960 | 1,661 | 995 | 786 | 116 | - | 7,187 |
| 2001 | - | 937 | 2,034 | 2,047 | 1,442 | 2,301 | 1,337 | 914 | 135 | 1 | 11,148 |
| 2002 | 370 | 855 | 1,758 | 2,094 | 920 | 1,554 | 1,677 | 2,300 | 158 | 15 | 11,701 |
| 2003 | 175 | 1,397 | 2,999 | 1,631 | 1,122 | 1,596 | 1,789 | 1,554 | 141 | 14 | 12,418 |
| 2004 | 908 | 2,515 | 2,258 | 1,959 | 993 | 1,974 | 1,564 | 765 | 247 | 21 | 13,204 |
| 2005 | 1,304 | 370 | 3,048 | 2,699 | 30 | 234 | 2,633 | 1,070 | 160 | 75 | 11,623 |
| 2006 | - | - | 510 | 1,333 | 489 | 263 | 730 | 872 | 305 | 26 | 4,528 |
| 2007 | - | 344 | 1,283 | 974 | 403 | 1,386 | 378 | 291 | 173 | 1 | 5,233 |
| 2008 | - | - | 279 | 282 | 33 | 57 | 47 | 63 | 48 | - | 809 |
| 2009 | - | - | 72 | 85 | 232 | 130 | 640 | 60 | - | - | 1,219 |
| 2010 | - | - | 1,130 | 1,273 | 731 | 875 | 53 | 229 | - | - | 4,291 |
| 2011 ^{b/} | - | 317 | 1,029 | 1,249 | 153 | 311 | 117 | 309 | 230 | - | 3,715 |

a/ Summary of ODFW fish receiving ticket information. Beginning in 1979, monthly totals are the sum of statistical weeks with closest fit to the calendar month. Excludes effort occurring off Alaska, Washington, and California. Days fished data are reported by port of landing through 1978 and by area of catch beginning in 1979. Catch and landing areas include the following port areas: Astoria area includes Oregon ports from Astoria through Cannon Beach; Tillamook area includes Nehalem through Pacific City; Newport area includes Depoe Bay through Waldport; Coos Bay area prior to 1986 includes Florence through Bandon and after 1987 includes Florence through Port Orford; Brookings area prior to 1986 includes Port Orford through Brookings and after 1987 includes Gold Beach through Brookings. Values include state-waters only terminal area fisheries.

b/ Preliminary.

TABLE A-8. Oregon commercial troll Chinook and coho salmon landings in numbers of fish by catch area and month.^{a/} (Page 1 of 4)

| Year or Avg. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season | June | July | Aug. | Sept. | Oct. | Season |
|--------------------|----------------|-------|--------|--------|-------|-------|-------|--------|------|------|--------|-------------|--------|--------|--------|-------|---------|
| | CHINOOK | | | | | | | | | | | COHO | | | | | |
| <u>Astoria</u> | | | | | | | | | | | | | | | | | |
| 1952-1975 | 6,179 | 4,901 | 4,813 | 3,439 | 2,234 | 2,715 | 973 | 346 | - | - | 20,451 | 13,070 | 24,252 | 20,450 | 11,547 | 1,263 | 70,582 |
| 1976-1980 | - | - | 5,039 | 4,624 | 3,123 | 1,480 | 492 | 577 | - | - | 15,336 | 28,655 | 31,526 | 12,401 | 5,569 | 879 | 73,122 |
| 1981-1985 | - | - | 4,738 | 0 | 499 | 293 | 23 | 2 | - | - | 5,556 | - | 18,828 | 11,874 | 2,543 | - | 21,305 |
| 1986-1990 | - | - | 1,791 | 363 | 2,225 | 1,172 | 765 | 71 | - | - | 3,477 | - | 7,390 | 21,733 | 6,281 | 304 | 21,364 |
| 1991-1995 | - | - | 318 | 322 | 78 | 187 | 88 | - | - | - | 937 | - | 435 | 7,655 | 3,007 | - | 9,949 |
| 1996-2000 | - | - | 9 | 64 | - | 1,951 | 49 | - | - | - | 572 | - | - | 11,600 | 658 | - | 12,258 |
| 2001 | - | - | 380 | 1,704 | 925 | 753 | 329 | - | - | - | 4,091 | - | 3,701 | 3,376 | 2,256 | - | 9,333 |
| 2002 | - | - | 855 | 3,189 | 4,241 | 4,512 | - | - | - | - | 12,797 | - | - | 1,515 | - | - | 1,515 |
| 2003 | - | - | 4,927 | 1,171 | 1,310 | 2,377 | 599 | - | - | - | 10,384 | - | 1,473 | 3,657 | 1,311 | - | 6,441 |
| 2004 | - | - | 1,884 | 17 | 381 | 331 | 505 | - | - | - | 3,118 | - | 718 | 1,399 | 6,722 | - | 8,839 |
| 2005 | - | - | 5,119 | 927 | 367 | 3,672 | - | - | - | - | 10,085 | - | 204 | 2,414 | - | - | 2,618 |
| 2006 | - | - | 7,167 | 3,168 | 1 | 61 | 92 | - | - | - | 10,489 | - | 10 | 1,182 | 222 | - | 1,414 |
| 2007 | - | - | 777 | 374 | 115 | 163 | 14 | - | - | - | 1,443 | 22 | 1,040 | 10,334 | 157 | - | 11,553 |
| 2008 | - | - | 2,616 | 2,508 | 129 | 161 | 20 | - | - | - | 5,434 | - | 49 | 357 | 29 | - | 435 |
| 2009 | - | - | 119 | 232 | 240 | 117 | 4 | - | - | - | 712 | - | 9,065 | 3,458 | 165 | - | 12,688 |
| 2010 | - | - | 580 | 6,652 | 2,121 | 1,657 | 110 | - | - | - | 11,120 | - | 636 | 367 | 35 | - | 1,038 |
| 2011 ^{b/} | - | - | 1,057 | 1,400 | 114 | 239 | 26 | - | - | - | 2,836 | - | 234 | 147 | 83 | - | 464 |
| <u>Tillamook</u> | | | | | | | | | | | | | | | | | |
| 1952-1975 | - | 3 | 47 | 436 | 853 | 1,355 | 324 | 59 | - | - | 3,078 | 6,799 | 24,958 | 22,977 | 2,518 | 102 | 57,355 |
| 1976-1980 | - | - | 476 | 3,256 | 4,108 | 2,688 | 505 | 189 | - | - | 11,222 | 49,936 | 66,185 | 27,829 | 2,034 | 124 | 126,085 |
| 1981-1985 | - | - | 1,547 | 283 | 2,380 | 1,210 | 281 | 199 | 7 | - | 5,901 | - | 68,832 | 20,120 | 1,637 | - | 84,331 |
| 1986-1990 | - | - | 1,745 | 3,147 | 8,129 | 6,212 | 4,946 | 2,060 | 11 | - | 26,242 | - | 82,150 | 29,287 | 5,397 | - | 106,658 |
| 1991-1995 | - | - | 306 | 375 | 1,435 | 2,843 | 1,922 | 1,607 | 7 | - | 6,887 | - | 45,367 | 7,065 | - | - | 48,905 |
| 1996-2000 | - | - | 363 | 2,863 | 370 | 2,082 | 1,413 | 1,259 | 21 | - | 8,191 | - | - | - | - | - | - |
| 2001 | - | 791 | 927 | 4,799 | 7,629 | 6,776 | 3,968 | 1,425 | 42 | - | 26,357 | - | - | - | - | - | - |
| 2002 | 131 | 98 | 1,270 | 4,684 | 1,671 | 5,361 | 6,983 | 10,128 | 5 | - | 30,331 | - | - | - | - | - | - |
| 2003 | 335 | 84 | 13,970 | 11,718 | 1,205 | 1,451 | 2,649 | 2,071 | 33 | - | 33,516 | - | - | - | - | - | - |
| 2004 | 31 | 2,967 | 3,373 | 562 | 332 | 457 | 1,001 | 882 | 72 | - | 9,677 | - | - | - | - | - | - |
| 2005 | 7,027 | 498 | 6,451 | 10,655 | - | - | 2,480 | 866 | 3 | - | 27,980 | - | - | - | - | - | - |
| 2006 | - | - | - | 1,153 | 60 | 39 | 450 | 959 | 95 | - | 2,756 | - | - | - | - | - | - |
| 2007 | - | 14 | 2,757 | 922 | 6 | 59 | 136 | 237 | 47 | - | 4,178 | - | - | 1,195 | 84 | - | 1,279 |
| 2008 | - | - | - | - | - | - | 64 | 12 | -- | - | 76 | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | 105 | 39 | - | - | 144 | - | - | - | 3,491 | - | 3,491 |
| 2010 | - | - | 108 | 2,466 | 931 | 72 | 56 | 15 | - | - | 3,648 | - | - | - | - | - | - |
| 2011 ^{b/} | - | 1 | 130 | 615 | 174 | 49 | 82 | 48 | - | - | 1,099 | - | - | - | - | - | - |

TABLE A-8. Oregon commercial troll Chinook and coho salmon landings in numbers of fish by catch area and month.^{a/} (Page 2 of 4)

| Year or Avg. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season | June | July | Aug. | Sept. | Oct. | Season |
|--------------------|----------------|--------|--------|--------|---------|--------|--------|--------|-------|------|---------|-------------|---------|--------|--------|-------|---------|
| | CHINOOK | | | | | | | | | | | COHO | | | | | |
| <u>Newport</u> | | | | | | | | | | | | | | | | | |
| 1952-1975 | 19 | 192 | 1,863 | 6,947 | 11,599 | 13,546 | 6,810 | 1,524 | - | - | 42,483 | 23,816 | 69,383 | 72,472 | 15,038 | 1,319 | 182,027 |
| 1976-1980 | - | - | 3,649 | 6,485 | 12,469 | 16,372 | 4,788 | 2,828 | 106 | - | 46,613 | 60,615 | 95,719 | 54,446 | 4,784 | 1,339 | 192,121 |
| 1981-1985 | - | - | 6,292 | 2,256 | 11,737 | 5,174 | 959 | 1,476 | 111 | - | 27,917 | - | 75,337 | 66,674 | 4,161 | - | 109,715 |
| 1986-1990 | - | - | 8,800 | 14,067 | 27,795 | 14,835 | 6,926 | 10,533 | - | - | 82,957 | 56 | 108,283 | 44,241 | 5,166 | - | 135,872 |
| 1991-1995 | - | - | 11,091 | 14,000 | 14,613 | 29,112 | 11,702 | 10,884 | - | - | 76,934 | 58,218 | 24,704 | 7,972 | - | - | 41,190 |
| 1996-2000 | - | - | 17,947 | 16,800 | 3,786 | 24,729 | 12,138 | 4,150 | - | - | 81,290 | - | - | - | - | - | - |
| 2001 | - | 8,536 | 45,372 | 28,016 | 15,669 | 40,694 | 20,356 | 10,001 | - | - | 168,644 | - | - | - | - | - | - |
| 2002 | 3,938 | 4,321 | 12,233 | 7,372 | 5,135 | 7,648 | 34,931 | 56,506 | - | - | 132,084 | - | - | - | - | - | - |
| 2003 | 674 | 8,915 | 24,752 | 12,180 | 12,769 | 22,804 | 36,204 | 30,252 | - | - | 148,550 | - | - | - | - | - | - |
| 2004 | 12,970 | 12,286 | 26,499 | 7,350 | 8,085 | 11,018 | 12,354 | 726 | - | - | 91,288 | - | - | - | - | - | - |
| 2005 | 4,171 | 2,209 | 7,347 | 39,240 | - | - | 29,592 | 7,505 | - | - | 90,064 | - | - | - | - | - | - |
| 2006 | - | - | - | 8,505 | 3,556 | 923 | 3,852 | 1,528 | 639 | - | 19,003 | - | - | - | - | - | - |
| 2007 | - | 279 | 1,553 | 1,427 | 323 | 338 | 88 | 54 | 2 | - | 4,064 | - | - | 1,596 | 276 | - | 1,872 |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5,103 | - | 5,103 |
| 2010 | - | - | 3,950 | 3,513 | 2,505 | 2,409 | - | - | - | - | 12,377 | - | - | - | - | - | - |
| 2011 ^{b/} | - | 378 | 2,355 | 1,421 | 192 | 561 | - | 35 | - | - | 4,942 | - | - | - | - | - | - |
| <u>Coos Bay</u> | | | | | | | | | | | | | | | | | |
| 1952-1975 | 16 | 155 | 2,913 | 11,578 | 18,162 | 26,765 | 8,692 | 1,872 | 111 | - | 70,148 | 47,943 | 96,268 | 52,431 | 9,087 | 964 | 206,694 |
| 1976-1980 | - | 17 | 3,113 | 11,974 | 30,188 | 28,911 | 7,483 | 3,863 | 28 | - | 85,563 | 88,960 | 168,959 | 47,488 | 2,358 | 264 | 290,131 |
| 1981-1985 | - | - | 5,515 | 4,301 | 29,871 | 17,260 | 5,419 | 1,129 | 11 | - | 63,507 | - | 115,958 | 31,021 | 5 | - | 131,470 |
| 1986-1990 | - | - | 30,467 | 28,162 | 103,530 | 64,284 | 18,029 | 8,518 | 2,178 | - | 253,426 | 22 | 103,641 | 44,708 | 10,213 | - | 132,522 |
| 1991-1995 | - | - | 1,102 | 3,642 | 3,908 | 4,544 | 3,587 | 1,701 | 451 | - | 15,554 | 33,031 | 35,841 | 1,069 | - | - | 35,625 |
| 1996-2000 | - | - | 3,377 | 8,994 | 9,724 | 11,353 | 4,218 | 1,930 | 981 | - | 36,042 | 8 | - | - | - | - | 8 |
| 2001 | - | 9,209 | 14,253 | 10,111 | 14,241 | 13,237 | 6,211 | 3,686 | 1,303 | 21 | 72,272 | - | - | - | - | - | - |
| 2002 | 2,593 | 6,167 | 9,949 | 47,825 | 5,515 | 15,292 | 16,947 | 16,571 | 1,250 | 65 | 122,174 | - | - | - | - | - | - |
| 2003 | 2,183 | 49,900 | 34,800 | 7,943 | 5,605 | 13,066 | 10,793 | 6,766 | 963 | 137 | 132,156 | - | - | - | - | - | - |
| 2004 | 8,042 | 18,736 | 7,398 | 14,987 | 5,651 | 65,177 | 11,176 | 6,714 | 2,079 | 182 | 140,142 | - | - | - | - | - | - |
| 2005 | 17,099 | 2,075 | 41,943 | - | - | - | 49,865 | 8,799 | 784 | 335 | 120,900 | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | 65 | 962 | 821 | 131 | 1,979 | - | - | - | - | - | - |
| 2007 | - | 1,563 | 3,018 | 2,114 | 1,430 | 11,963 | 489 | 504 | 621 | 3 | 21,705 | - | - | 2,232 | 159 | - | 2,391 |
| 2008 | - | - | - | - | - | - | - | - | 208 | - | 208 | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | 293 | - | - | 293 | - | - | - | 686 | - | 686 |
| 2010 | - | - | 4,961 | 2,987 | 840 | 1,316 | - | 1,315 | - | - | 11,419 | - | - | - | - | - | - |
| 2011 ^{b/} | - | 4,102 | 5,373 | 8,308 | 333 | 370 | 207 | 1,093 | 1,954 | - | 21,740 | - | - | - | - | - | - |

TABLE A-8. Oregon commercial troll Chinook and coho salmon landings in numbers of fish by catch area and month.^{a/} (Page 3 of 4)

| Year or Avg. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season | June | July | Aug. | Sept. | Oct. | Season |
|-----------------------------|----------------|--------|--------|--------|---------|--------|--------|--------|-------|------|---------|-------------|---------|---------|--------|-------|---------|
| | CHINOOK | | | | | | | | | | | COHO | | | | | |
| <u>Brookings</u> | | | | | | | | | | | | | | | | | |
| 1952-1975 | 0 | 115 | 1,001 | 5,127 | 10,173 | 8,226 | 2,936 | 1,199 | 1,203 | 93 | 28,885 | 15,507 | 31,926 | 10,269 | 1,028 | 81 | 58,810 |
| 1976-1980 | - | - | 1,815 | 4,472 | 21,039 | 27,055 | 10,526 | 6,583 | 2,409 | - | 73,899 | 13,633 | 39,564 | 8,784 | 876 | 174 | 60,235 |
| 1981-1985 | - | - | 1,782 | 1,845 | 10,357 | 20,079 | 3,952 | 3,495 | 1,113 | - | 42,623 | - | 15,830 | 35,594 | - | - | 24,728 |
| 1986-1990 | - | - | 5,087 | 16,802 | 9,562 | 8,706 | 2,844 | 963 | 1,460 | - | 28,825 | 4,594 | 7,121 | - | - | - | 6,375 |
| 1991-1995 | - | - | 265 | - | 1,682 | 234 | 210 | 1,191 | - | - | 1,679 | - | - | - | - | - | - |
| 1996-2000 | - | - | 1,064 | - | - | 1,049 | 665 | 696 | - | - | 3,542 | - | - | - | - | - | - |
| 2001 | - | - | 233 | 362 | - | 1,290 | 986 | 728 | - | - | 3,599 | - | - | - | - | - | - |
| 2002 | 5 | 103 | 118 | 952 | 1,457 | 1,326 | 2,305 | 537 | - | - | 6,803 | - | - | - | - | - | - |
| 2003 | 0 | 110 | 575 | 484 | 1,082 | 1,108 | 1,119 | 591 | 3 | - | 5,072 | - | - | - | - | - | - |
| 2004 | 6 | 32 | 774 | 2,825 | 2,305 | 2,011 | 271 | 220 | 40 | - | 8,484 | - | - | - | - | - | - |
| 2005 | 87 | 6 | - | - | - | - | 1,376 | 641 | 156 | - | 2,266 | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | 12 | 590 | 136 | - | 738 | - | - | - | - | - | - |
| 2007 | - | 15 | 25 | 727 | 1,150 | 1,524 | 400 | 209 | 47 | - | 4,097 | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | 236 | - | - | 236 | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | 164 | - | 51 | 125 | - | 529 | - | - | 869 | - | - | - | - | - | - |
| 2011 ^{b/} | - | - | 601 | 254 | 27 | 331 | - | 104 | - | - | 1,317 | - | - | - | - | - | - |
| <u>South of Cape Falcon</u> | | | | | | | | | | | | | | | | | |
| 1952-1975 | 35 | 465 | 5,824 | 24,088 | 40,787 | 49,892 | 18,762 | 4,654 | 1,313 | 93 | 144,594 | 94,065 | 222,535 | 158,148 | 27,671 | 2,466 | 504,885 |
| 1976-1980 | - | 17 | 9,052 | 26,186 | 67,804 | 75,026 | 23,302 | 13,463 | 2,458 | - | 217,296 | 185,506 | 370,427 | 138,547 | 10,052 | 1,901 | 668,571 |
| 1981-1985 | - | - | 15,135 | 8,684 | 54,345 | 43,724 | 10,612 | 6,299 | 1,149 | - | 139,947 | - | 275,957 | 97,114 | 5,803 | - | 350,243 |
| 1986-1990 | - | - | 46,099 | 58,818 | 141,367 | 90,555 | 31,607 | 21,689 | 1,642 | - | 391,449 | 3,700 | 295,499 | 95,999 | 20,776 | - | 380,152 |
| 1991-1995 | - | - | 12,605 | 18,016 | 15,388 | 29,246 | 16,869 | 14,668 | 453 | - | 100,382 | 91,249 | 105,911 | 8,382 | - | - | 109,418 |
| 1996-2000 | - | - | 22,751 | 29,104 | 13,880 | 39,214 | 18,035 | 8,035 | 1,002 | - | 129,065 | 8 | - | - | - | - | 8 |
| 2001 | - | 18,536 | 60,785 | 43,288 | 37,539 | 61,997 | 31,521 | 15,840 | 1,345 | 21 | 270,872 | - | - | - | - | - | - |
| 2002 | 6,667 | 10,689 | 23,570 | 60,833 | 13,778 | 29,627 | 61,166 | 83,742 | 1,255 | 65 | 291,392 | - | - | - | - | - | - |
| 2003 | 3,192 | 59,009 | 74,097 | 32,325 | 20,661 | 38,429 | 50,765 | 39,680 | 999 | 137 | 319,294 | - | - | - | - | - | - |
| 2004 | 21,049 | 34,021 | 38,044 | 25,724 | 16,373 | 78,663 | 24,802 | 8,542 | 2,191 | 182 | 249,591 | - | - | - | - | - | - |
| 2005 | 28,384 | 4,788 | 55,741 | 49,895 | - | - | 83,313 | 17,811 | 943 | 335 | 241,210 | - | - | - | - | - | - |
| 2006 | - | - | - | 9,658 | 3,616 | 962 | 4,379 | 4,039 | 1,691 | 131 | 24,476 | - | - | - | - | - | - |
| 2007 | - | 1,871 | 7,353 | 5,190 | 2,909 | 13,884 | 1,113 | 1,004 | 717 | 3 | 34,044 | - | - | 5,023 | 519 | - | 5,542 |
| 2008 | - | - | - | - | - | - | 64 | 248 | 208 | - | 520 | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | 105 | 332 | - | - | 437 | - | - | - | 9,280 | - | 9,280 |
| 2010 | - | - | 9,183 | 8,966 | 4,327 | 3,922 | 56 | 1,859 | - | - | 28,313 | - | - | - | - | - | - |
| 2011 ^{b/} | - | 4,481 | 8,459 | 10,598 | 726 | 1,311 | 289 | 1,280 | 1,954 | - | 29,098 | - | - | - | - | - | - |

TABLE A-8. Oregon commercial troll Chinook and coho salmon landings in numbers of fish by catch area and month.^{a/} (Page 4 of 4)

| Year or Avg. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season | June | July | Aug. | Sept. | Oct. | Season |
|------------------------|----------------|--------|--------|--------|---------|--------|--------|--------|-------|------|---------|-------------|---------|---------|--------|-------|---------|
| | CHINOOK | | | | | | | | | | | COHO | | | | | |
| Statewide Total | | | | | | | | | | | | | | | | | |
| 1952-1975 | 6,214 | 5,366 | 10,638 | 27,526 | 43,020 | 52,608 | 19,735 | 4,999 | 1,313 | 93 | 165,045 | 107,135 | 246,787 | 178,599 | 39,218 | 3,729 | 575,468 |
| 1976-1980 | - | 17 | 14,092 | 30,810 | 70,928 | 76,506 | 23,794 | 14,041 | 2,458 | - | 232,632 | 214,161 | 401,952 | 150,948 | 15,621 | 2,305 | 741,694 |
| 1981-1985 | - | - | 19,873 | 8,684 | 54,844 | 44,017 | 10,635 | 6,301 | 1,149 | - | 145,503 | - | 290,078 | 84,710 | 8,346 | - | 301,499 |
| 1986-1990 | - | - | 47,890 | 59,035 | 141,812 | 91,259 | 31,913 | 21,703 | 1,642 | - | 394,927 | 3,700 | 296,977 | 89,839 | 11,112 | 304 | 397,243 |
| 1991-1995 | - | - | 12,795 | 14,606 | 15,426 | 29,358 | 16,904 | 14,668 | 453 | - | 100,945 | 91,249 | 70,897 | 16,037 | 3,007 | 19 | 119,367 |
| 1996-2000 | - | - | 22,757 | 29,154 | 13,880 | 39,604 | 18,044 | 8,035 | 1,002 | - | 129,523 | 8 | - | 11,600 | 658 | - | 6,133 |
| 2001 | - | 18,536 | 61,165 | 44,992 | 38,464 | 62,750 | 31,850 | 15,840 | 1,345 | 21 | 274,963 | - | 3,701 | 3,376 | 2,256 | - | 9,333 |
| 2002 | 6,667 | 10,689 | 24,425 | 64,022 | 18,019 | 34,139 | 61,166 | 83,742 | 1,255 | 65 | 304,189 | - | - | 1,515 | - | - | 1,515 |
| 2003 | 3,192 | 59,009 | 79,024 | 33,496 | 21,971 | 40,806 | 51,364 | 39,680 | 999 | 137 | 329,678 | - | 1,473 | 3,657 | 1,311 | - | 6,441 |
| 2004 | 21,049 | 34,021 | 39,928 | 25,741 | 16,754 | 78,994 | 25,307 | 8,542 | 2,191 | 182 | 252,709 | - | 718 | 1,399 | 6,722 | - | 8,839 |
| 2005 | 28,384 | 4,788 | 60,860 | 50,822 | 367 | 3,672 | 83,313 | 17,811 | 943 | 335 | 251,295 | - | 204 | 2,414 | - | - | 2,618 |
| 2006 | - | - | 7,167 | 12,826 | 3,617 | 1,023 | 4,471 | 4,039 | 1,691 | 131 | 34,965 | - | 10 | 1,182 | 222 | - | 1,414 |
| 2007 | - | 1,871 | 8,130 | 5,564 | 3,024 | 14,047 | 1,127 | 1,004 | 717 | 3 | 35,487 | 22 | 1,040 | 15,357 | 676 | - | 17,095 |
| 2008 | - | - | 2,616 | 2,508 | 129 | 161 | 84 | 248 | 208 | - | 5,954 | - | 49 | 357 | 29 | - | 435 |
| 2009 | - | - | 119 | 232 | 240 | 117 | 109 | 332 | - | - | 1,149 | - | 9,065 | 3,458 | 9,445 | - | 21,968 |
| 2010 | - | - | 9,763 | 15,618 | 6,448 | 5,579 | 166 | 1,859 | - | - | 39,433 | - | 636 | 367 | 35 | - | 1,038 |
| 2011 ^{b/} | - | 4,481 | 9,516 | 11,998 | 840 | 1,550 | 315 | 1,280 | 1,954 | - | 31,934 | - | 234 | 147 | 83 | - | 464 |

a/ Beginning in 1979, monthly totals are the sum of statistical weeks with closest fit to the calendar month. Excludes harvests off Alaska, Washington (north of Leadbetter Point), and California that were landed in Oregon. Landings are reported by port of landing through 1978 and by area of catch beginning in 1979. Catch and landing areas include the following port areas: Astoria area includes Oregon ports from Astoria through Cannon Beach; Tillamook area includes Nehalem through Pacific City; Newport area includes Depoe Bay through Waldport; Coos Bay area prior to 1988 includes Florence through Bandon and after 1987 includes Florence through Port Orford; Brookings area prior to 1988 includes Port Orford through Brookings and after 1987 includes Gold Beach through Brookings. Values include state-waters only terminal area fisheries.

b/ Preliminary.

TABLE A-9. Oregon ocean recreational effort in salmon angler trips by catch area and month.^{a/} (Page 1 of 4)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|--------------------|------|------|-------|-------|--------|--------|-------|-------|------|--------|
| <u>Astoria</u> | | | | | | | | | | |
| 1976-1980 | - | 0 | 890 | 8,582 | 17,436 | 25,284 | 8,325 | 374 | 22 | 60,746 |
| 1981-1985 | - | - | 977 | 3,269 | 11,837 | 9,897 | 4,192 | - | - | 26,221 |
| 1986-1990 | - | - | 146 | 1,110 | 8,890 | 9,559 | 1,423 | - | - | 17,740 |
| 1991-1995 | - | - | - | 1,496 | 6,681 | 6,695 | 2,084 | - | - | 15,833 |
| 1996-2000 | - | - | - | - | 2,457 | 2,909 | 946 | - | - | 5,442 |
| 2001 | - | - | - | - | 7,990 | 12,960 | 2,291 | - | - | 23,241 |
| 2002 | - | - | 155 | 372 | 3,989 | 6,373 | 1,156 | 6 | - | 12,051 |
| 2003 | - | - | - | 151 | 5,275 | 12,550 | 1,250 | - | - | 19,226 |
| 2004 | - | - | - | 256 | 4,439 | 11,290 | 2,608 | - | - | 18,593 |
| 2005 | - | - | - | - | 2,246 | 8,116 | 2,900 | - | - | 13,262 |
| 2006 | - | - | - | - | 1,711 | 5,769 | 762 | - | - | 8,242 |
| 2007 | - | - | - | - | 2,548 | 8,849 | 989 | - | - | 12,386 |
| 2008 | - | - | 66 | 498 | 1,875 | 1,215 | - | - | - | 3,654 |
| 2009 | - | - | - | 85 | 5,698 | 6,097 | 370 | - | - | 12,250 |
| 2010 | - | - | - | 306 | 2,211 | 6,996 | 741 | - | - | 10,254 |
| 2011 ^{b/} | - | - | - | 459 | 1,402 | 4,645 | 877 | - | - | 7,383 |
| <u>Tillamook</u> | | | | | | | | | | |
| 1976-1980 | - | 0 | 1,043 | 5,476 | 14,753 | 18,525 | 3,792 | 393 | 61 | 43,838 |
| 1981-1985 | - | - | 678 | 2,040 | 14,150 | 14,502 | 3,413 | 1,603 | - | 30,298 |
| 1986-1990 | - | - | 222 | 2,005 | 12,063 | 11,291 | 4,392 | -- | -- | 29,007 |
| 1991-1995 | - | - | 728 | 1,722 | 10,452 | 4,271 | 2,075 | 4,879 | 396 | 13,369 |
| 1996-2000 | - | - | 489 | 102 | 1,451 | 346 | 2,772 | 2,895 | 170 | 8,126 |
| 2001 | - | 0 | 526 | 2,827 | 7,278 | 895 | 2,747 | 2,051 | 162 | 16,486 |
| 2002 | - | 11 | 386 | 360 | 7,005 | 4,787 | 5,041 | 6,767 | 50 | 24,407 |
| 2003 | 21 | 5 | 435 | 1,860 | 11,990 | 5,450 | 4,819 | 3,019 | 395 | 27,994 |
| 2004 | 8 | 94 | 397 | 2,849 | 11,855 | 6,729 | 4,442 | 2,647 | 291 | 29,312 |
| 2005 | 28 | 66 | 463 | 2,318 | 3,216 | 1,622 | 3,799 | 599 | 12 | 12,123 |
| 2006 | 2 | 16 | 382 | 1,334 | 3,299 | 497 | 5,293 | 4,988 | 98 | 15,909 |
| 2007 | - | 16 | 828 | 1,753 | 4,612 | 8,074 | 3,459 | 2,286 | -- | 21,028 |
| 2008 | - | - | - | 643 | 1,269 | 1,226 | 3,635 | 2,348 | -- | 9,121 |
| 2009 | - | - | - | 974 | 10,482 | 7,131 | 1,772 | 2,009 | - | 22,368 |
| 2010 | - | - | 126 | 1,158 | 3,833 | 3,620 | 3,718 | 1,048 | - | 13,503 |
| 2011 ^{b/} | 0 | 50 | 143 | 936 | 3,771 | 2,968 | 3,730 | 1,240 | - | 12,838 |

TABLE A-9. Oregon ocean recreational effort in salmon angler trips by catch area and month.^{a/} (Page 2 of 4)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|--------------------|------|------|-------|--------|--------|--------|-------|-------|------|---------|
| <u>Newport</u> | | | | | | | | | | |
| 1976-1980 | - | 0 | 2,686 | 14,777 | 37,841 | 34,826 | 6,813 | 1,205 | 46 | 97,675 |
| 1981-1985 | - | - | 1,237 | 6,383 | 28,951 | 25,961 | 3,812 | -- | - | 57,094 |
| 1986-1990 | - | - | 997 | 7,789 | 37,404 | 24,000 | 5,730 | - | - | 74,574 |
| 1991-1995 | - | - | 484 | 3,881 | 26,682 | 9,837 | 1,389 | 117 | - | 24,888 |
| 1996-2000 | - | - | 101 | 114 | 3,819 | 1,090 | 249 | 29 | - | 5,396 |
| 2001 | - | 0 | 175 | 6,648 | 13,301 | 2,432 | 872 | 143 | - | 23,571 |
| 2002 | - | 34 | 123 | 502 | 12,360 | 2,837 | 1,469 | 738 | - | 18,063 |
| 2003 | 24 | 28 | 310 | 3,761 | 20,799 | 12,739 | 1,371 | 526 | - | 39,558 |
| 2004 | 36 | 57 | 139 | 4,642 | 17,640 | 12,676 | 3,423 | 413 | - | 39,026 |
| 2005 | 0 | 264 | 429 | 3,927 | 3,562 | 1,863 | 3,187 | 167 | - | 13,399 |
| 2006 | 8 | 43 | 139 | 1,593 | 5,785 | 584 | 1,919 | 299 | - | 10,370 |
| 2007 | 19 | 26 | 87 | 3,472 | 8,013 | 8,284 | 778 | 46 | 40 | 20,765 |
| 2008 | - | - | - | 1,128 | 2,301 | 2,020 | - | - | - | 5,449 |
| 2009 | - | - | - | 2,126 | 13,786 | 12,307 | 1,388 | - | - | 29,607 |
| 2010 | - | - | 349 | 1,093 | 2,933 | 8,491 | 2,127 | - | - | 14,993 |
| 2011 ^{b/} | 20 | 2 | 103 | 847 | 4,550 | 2,518 | 3,913 | - | - | 11,953 |
| <u>Coos Bay</u> | | | | | | | | | | |
| 1976-1980 | - | 0 | 5,296 | 24,105 | 44,633 | 29,677 | 6,974 | 652 | 98 | 111,116 |
| 1981-1985 | - | - | 3,365 | 13,367 | 34,917 | 20,849 | 3,452 | -- | -- | 63,724 |
| 1986-1990 | - | - | 891 | 8,744 | 33,097 | 15,721 | 3,842 | -- | -- | 61,349 |
| 1991-1995 | - | - | 605 | 5,646 | 26,029 | 8,416 | 1,728 | 21 | -- | 25,929 |
| 1996-2000 | - | - | 118 | 381 | 4,301 | 2,953 | 507 | 53 | -- | 8,282 |
| 2001 | - | 0 | 648 | 8,073 | 15,394 | 6,122 | 765 | 60 | -- | 31,062 |
| 2002 | - | 230 | 786 | 5,319 | 17,293 | 6,570 | 2,812 | 388 | -- | 33,398 |
| 2003 | 36 | 106 | 950 | 5,263 | 21,326 | 12,880 | 2,247 | 90 | -- | 42,898 |
| 2004 | 34 | 87 | 954 | 7,376 | 19,875 | 9,368 | 2,734 | 34 | -- | 40,462 |
| 2005 | 2 | 76 | 578 | 6,353 | 7,042 | 6,312 | 4,262 | 12 | -- | 24,637 |
| 2006 | 14 | 33 | 279 | 1,991 | 9,250 | 2,736 | 2,784 | 81 | -- | 17,168 |
| 2007 | 17 | 33 | 329 | 2,603 | 9,442 | 9,550 | 990 | 9 | -- | 22,973 |
| 2008 | - | - | - | 1,482 | 4,111 | 1,806 | - | - | -- | 7,399 |
| 2009 | - | - | - | 1,044 | 8,744 | 3,991 | 583 | -- | -- | 14,362 |
| 2010 | - | - | 388 | 709 | 2,350 | 4,683 | 489 | -- | -- | 8,619 |
| 2011 ^{b/} | 2 | 23 | 187 | 1,182 | 2,514 | 4,687 | 1,711 | - | 16 | 10,322 |

TABLE A-9. Oregon ocean recreational effort in salmon angler trips by catch area and month.^{a/} (Page 3 of 4)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|-----------------------------|------|------|--------|--------|---------|---------|--------|--------|------|---------|
| Brookings | | | | | | | | | | |
| 1976-1980 | - | 0 | 1,250 | 11,841 | 27,828 | 20,162 | 6,768 | 5,604 | 913 | 74,368 |
| 1981-1985 | - | - | 2,109 | 10,478 | 25,949 | 15,387 | 3,357 | 3,402 | 230 | 56,207 |
| 1986-1990 | - | - | 2,226 | 12,965 | 24,727 | 13,463 | 3,098 | 5,030 | -- | 58,492 |
| 1991-1995 | - | - | 2,866 | 5,957 | 11,093 | 3,333 | 4,014 | 3,831 | - | 22,694 |
| 1996-2000 | - | - | 1,177 | 3,022 | 2,353 | 6,833 | 2,212 | 2,766 | - | 18,363 |
| 2001 | - | - | 3,667 | 4,123 | 4,409 | 9,200 | 362 | 4,340 | - | 26,101 |
| 2002 | - | - | 1,767 | 4,048 | 528 | 5,651 | 3,755 | 3,973 | - | 19,722 |
| 2003 | - | - | 1,124 | 1,480 | 3,910 | 4,081 | 1,522 | 2,630 | - | 14,747 |
| 2004 | - | - | 1,232 | 3,448 | 3,813 | 4,396 | 3,845 | 1,575 | - | 18,309 |
| 2005 | - | - | 525 | 3,510 | 280 | 2,802 | 3,063 | 2,398 | - | 12,578 |
| 2006 | - | - | 611 | 2,657 | 716 | - | 3,565 | 3,081 | - | 10,630 |
| 2007 | - | - | 332 | 752 | 1,600 | 4,741 | 424 | 3,263 | - | 11,112 |
| 2008 | - | - | - | 712 | 2,317 | 701 | - | 1,065 | - | 4,795 |
| 2009 | - | - | - | 268 | 2,329 | 754 | 2,580 | - | - | 5,931 |
| 2010 | - | - | 129 | 95 | 335 | 619 | 2,502 | 2,270 | - | 5,950 |
| 2011 ^{b/} | - | - | 393 | 296 | 189 | 1,772 | 1,853 | 1,757 | - | 6,260 |
| South of Cape Falcon | | | | | | | | | | |
| 1976-1980 | - | 0 | 10,275 | 56,199 | 125,056 | 103,191 | 24,348 | 6,954 | 974 | 326,997 |
| 1981-1985 | - | - | 4,749 | 32,267 | 103,968 | 64,436 | 11,899 | 3,723 | 230 | 207,322 |
| 1986-1990 | - | - | 3,869 | 31,504 | 107,292 | 64,475 | 14,270 | 5,030 | -- | 223,421 |
| 1991-1995 | - | - | 4,110 | 16,015 | 74,256 | 11,676 | 6,091 | 7,130 | 396 | 86,880 |
| 1996-2000 | - | - | 1,885 | 3,618 | 11,923 | 11,221 | 5,739 | 5,699 | 170 | 40,167 |
| 2001 | - | 0 | 5,016 | 21,671 | 40,382 | 18,649 | 4,746 | 6,594 | 162 | 97,220 |
| 2002 | - | 275 | 3,062 | 10,229 | 37,186 | 19,845 | 13,077 | 11,866 | 50 | 95,590 |
| 2003 | 81 | 139 | 2,819 | 12,364 | 58,025 | 35,150 | 9,959 | 6,265 | 395 | 125,197 |
| 2004 | 78 | 238 | 2,722 | 18,315 | 53,183 | 33,169 | 14,444 | 4,669 | 291 | 127,109 |
| 2005 | 30 | 406 | 1,995 | 16,108 | 14,100 | 12,599 | 14,311 | 3,176 | 12 | 62,737 |
| 2006 | 24 | 92 | 1,411 | 7,575 | 19,050 | 3,817 | 13,561 | 8,449 | 98 | 54,077 |
| 2007 | 36 | 75 | 1,576 | 8,580 | 23,667 | 30,649 | 5,651 | 5,604 | 40 | 75,878 |
| 2008 | - | - | - | 3,965 | 9,998 | 5,753 | 3,635 | 3,413 | -- | 26,764 |
| 2009 | - | - | - | 4,412 | 35,341 | 24,183 | 6,323 | 2,009 | -- | 72,268 |
| 2010 | - | - | 992 | 3,055 | 9,451 | 17,413 | 8,836 | 3,318 | -- | 43,065 |
| 2011 ^{b/} | 22 | 75 | 826 | 3,261 | 11,024 | 11,945 | 11,207 | 2,997 | 16 | 41,373 |

TABLE A-9. Oregon ocean recreational effort in salmon angler trips by catch area and month.^{a/} (Page 4 of 4)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|------------------------|------|------|--------|--------|---------|---------|--------|--------|------|---------|
| Total All Areas | | | | | | | | | | |
| 1976-1980 | - | 0 | 11,165 | 64,781 | 142,492 | 128,475 | 32,673 | 7,179 | 978 | 387,743 |
| 1981-1985 | - | - | 4,993 | 27,469 | 115,805 | 74,334 | 13,575 | 3,723 | 230 | 233,544 |
| 1986-1990 | - | - | 3,898 | 32,392 | 116,182 | 72,122 | 14,554 | 5,030 | -- | 241,161 |
| 1991-1995 | - | - | 4,110 | 16,314 | 62,372 | 17,032 | 7,757 | 7,130 | 396 | 99,547 |
| 1996-2000 | - | - | 1,885 | 3,618 | 13,888 | 14,130 | 6,307 | 5,699 | 170 | 45,609 |
| 2001 | - | 0 | 5,016 | 21,671 | 48,372 | 31,609 | 7,037 | 6,594 | 162 | 120,461 |
| 2002 | - | 275 | 3,217 | 10,601 | 41,175 | 26,218 | 14,233 | 11,872 | 50 | 107,641 |
| 2003 | 81 | 139 | 2,819 | 12,515 | 63,300 | 47,700 | 11,209 | 6,265 | 395 | 144,423 |
| 2004 | 78 | 238 | 2,722 | 18,571 | 57,622 | 44,459 | 17,052 | 4,669 | 291 | 145,702 |
| 2005 | 30 | 406 | 1,995 | 16,108 | 16,346 | 20,715 | 17,211 | 3,176 | 12 | 75,999 |
| 2006 | 24 | 92 | 1,411 | 7,575 | 20,761 | 9,586 | 14,323 | 8,449 | 98 | 62,319 |
| 2007 | 36 | 75 | 1,576 | 8,580 | 26,215 | 39,498 | 6,640 | 5,604 | 40 | 88,264 |
| 2008 | - | - | 66 | 4,463 | 11,873 | 6,968 | 3,635 | 3,413 | -- | 30,418 |
| 2009 | - | - | - | 4,497 | 41,039 | 30,280 | 6,693 | 2,009 | -- | 84,518 |
| 2010 | - | - | 992 | 3,361 | 11,662 | 24,409 | 9,577 | 3,318 | -- | 53,319 |
| 2011 ^{b/} | 22 | 75 | 826 | 3,720 | 12,426 | 16,590 | 12,084 | 2,997 | 16 | 48,756 |

a/ Monthly totals are the sum of statistical weeks with closest fit to the calendar month. The average 1976-1980 effort is from combined salmon/steelhead punch card and sampled port data. Since 1981, data from sampled ports only. Effort since 1979 consists of salmon angler trips only. Data prior to 1979 include combined bottomfish and salmon trips. Astoria 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. Values include state-waters only terminal area fisheries.

b/ Preliminary.

TABLE A-10. Oregon ocean recreational salmon landings in numbers of fish by catch area and month.^{a/} (Page 1 of 3)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season | May | June | July | Aug. | Sept. | Oct. ^{b/} | Season ^{b/} |
|-------------------------|----------------|------|-----|-------|-------|-------|-------|-------|------|--------|-------------|--------|--------|--------|-------|--------------------|----------------------|
| | CHINOOK | | | | | | | | | | COHO | | | | | | |
| Astoria | | | | | | | | | | | | | | | | | |
| 1976-1980 ^{b/} | - | 0 | 333 | 3,210 | 4,073 | 7,975 | 1,490 | 85 | 4 | 17,132 | 897 | 12,916 | 20,699 | 21,677 | 7,142 | 323 | 63,525 |
| 1981-1985 | - | - | 29 | 922 | 2,427 | 1,902 | 729 | - | - | 5,364 | 1,699 | 4,463 | 16,455 | 11,211 | 5,509 | - | 33,780 |
| 1986-1990 | - | - | 29 | 127 | 954 | 1,459 | 87 | - | - | 2,246 | - | 1,825 | 15,220 | 14,456 | 1,307 | - | 28,506 |
| 1991-1995 | - | - | - | 81 | 224 | 302 | 63 | - | - | 609 | - | 2,409 | 10,831 | 9,892 | 2,332 | - | 23,657 |
| 1996-2000 | - | - | - | - | 197 | 223 | 38 | - | - | 403 | - | - | 3,775 | 3,675 | 935 | - | 7,257 |
| 2001 | - | - | - | - | 1,000 | 1,478 | 140 | - | - | 2,618 | - | - | 13,537 | 21,990 | 3,662 | - | 39,189 |
| 2002 | - | - | 33 | 347 | 1,540 | 827 | 4 | 3 | - | 2,754 | - | - | 4,432 | 8,530 | 1,441 | - | 14,403 |
| 2003 | - | - | - | 8 | 546 | 1,659 | 117 | - | - | 2,330 | - | 55 | 8,237 | 19,891 | 1,588 | - | 29,771 |
| 2004 | - | - | - | 25 | 303 | 1,426 | 429 | - | - | 2,183 | - | 368 | 6,583 | 13,601 | 1,946 | - | 22,498 |
| 2005 | - | - | - | - | 481 | 2,637 | 517 | - | - | 3,635 | - | - | 2,165 | 6,337 | 1,464 | - | 9,966 |
| 2006 | - | - | - | - | 81 | 370 | 58 | - | - | 509 | - | - | 1,616 | 3,560 | 235 | - | 5,411 |
| 2007 | - | - | - | - | 81 | 457 | 56 | - | - | 594 | - | - | 3,812 | 13,807 | 778 | - | 18,397 |
| 2008 | - | - | 17 | 152 | 343 | 305 | - | - | - | 817 | - | 101 | 1,108 | 982 | - | - | 2,191 |
| 2009 | - | - | - | 4 | 422 | 543 | 11 | - | - | 980 | - | 138 | 9,593 | 9,330 | 358 | - | 19,419 |
| 2010 | - | - | - | 37 | 388 | 1,321 | 66 | - | - | 1,812 | - | 12 | 1,479 | 4,404 | 213 | - | 6,108 |
| 2011 ^{c/} | - | - | - | 129 | 147 | 1,268 | 79 | - | - | 1,623 | - | 178 | 981 | 4,128 | 755 | - | 6,042 |
| Tillamook | | | | | | | | | | | | | | | | | |
| 1976-1980 ^{b/} | - | 0 | 104 | 152 | 409 | 655 | 99 | 19 | 29 | 1,436 | 342 | 3,155 | 6,284 | 11,402 | 960 | 194 | 22,259 |
| 1981-1985 | - | 0 | 18 | 28 | 790 | 582 | 117 | 42 | - | 1,533 | 89 | 855 | 10,321 | 8,671 | 766 | 3 | 20,171 |
| 1986-1990 | - | 0 | 10 | 67 | 441 | 864 | 486 | - | - | 1,766 | 29 | 1,993 | 12,423 | 8,726 | 1,827 | 63 | 24,621 |
| 1991-1995 | - | - | 62 | 140 | 380 | 186 | 169 | 1,237 | - | 1,084 | 26 | 1,457 | 11,796 | 3,732 | 717 | - | 12,184 |
| 1991-1995 | - | - | 70 | 10 | 65 | 31 | 502 | 494 | - | 1,188 | - | - | 976 | 6 | 9 | - | 602 |
| 2001 | - | 0 | 70 | 235 | 727 | 234 | 826 | 431 | 23 | 2,546 | - | 3,398 | 8,771 | 37 | 69 | 22 | 12,297 |
| 2002 | - | 1 | 56 | 108 | 3,170 | 2,182 | 1,531 | 1,735 | 0 | 8,783 | - | - | 4,753 | 1,096 | 41 | 22 | 5,912 |
| 2003 | - | - | 54 | 439 | 1,724 | 737 | 1,468 | 936 | 64 | 5,422 | 2 | 1,407 | 14,049 | 5,705 | 42 | 14 | 21,219 |
| 2004 | - | 5 | 40 | 501 | 3,146 | 2,755 | 940 | 1,409 | 69 | 8,865 | - | 1,305 | 8,693 | 4,212 | 175 | 23 | 14,408 |
| 2005 | 6 | 10 | 36 | 371 | 684 | 291 | 1,142 | 186 | 0 | 2,726 | - | 543 | 502 | 11 | 2 | - | 1,058 |
| 2006 | 0 | 0 | 40 | 75 | 204 | 14 | 1,079 | 1,944 | 49 | 3,405 | - | 184 | 1,055 | - | 119 | - | 1,358 |
| 2007 | - | 0 | 41 | 58 | 109 | 241 | 507 | 474 | - | 1,430 | 2 | 1,206 | 4,305 | 6,926 | 124 | - | 12,563 |
| 2008 | - | - | - | 2 | - | 3 | 262 | 201 | - | 468 | - | 43 | 220 | 930 | 45 | 3 | 1,241 |
| 2009 | - | - | - | 4 | 23 | 20 | 92 | 226 | - | 365 | - | 1,141 | 12,672 | 9,456 | 310 | 6 | 23,585 |
| 2010 | - | - | 12 | 72 | 112 | 190 | 323 | 122 | - | 831 | - | 323 | 1,392 | 1,390 | 268 | - | 3,373 |
| 2011 ^{c/} | 0 | 0 | 4 | 29 | 122 | 182 | 574 | 207 | - | 1,118 | - | 366 | 1,541 | 1,288 | 2,532 | - | 5,727 |
| Newport | | | | | | | | | | | | | | | | | |
| 1976-1980 ^{b/} | - | 0 | 112 | 520 | 839 | 806 | 184 | 31 | 1 | 2,480 | 1,273 | 12,737 | 25,257 | 22,756 | 1,813 | 211 | 63,962 |
| 1981-1985 | - | - | 18 | 344 | 1,462 | 942 | 89 | - | - | 2,706 | 126 | 3,484 | 22,849 | 19,232 | 2,241 | - | 46,040 |
| 1986-1990 | - | - | 68 | 497 | 1,687 | 1,029 | 601 | - | - | 3,649 | 662 | 9,013 | 46,079 | 23,917 | 3,429 | - | 82,281 |
| 1991-1995 | - | - | 44 | 143 | 1,155 | 507 | 65 | 28 | - | 1,113 | 31 | 8,315 | 36,626 | 11,925 | 1,119 | - | 40,251 |
| 1996-2000 | - | - | 26 | 44 | 262 | 408 | 95 | 3 | - | 837 | - | - | 8,151 | 30 | 7 | - | 3,286 |
| 2001 | - | 0 | 70 | 362 | 1,541 | 2,324 | 858 | 160 | - | 5,315 | 2 | 7,803 | 15,631 | 16 | 3 | - | 23,455 |
| 2002 | - | 14 | 37 | 196 | 3,269 | 1,031 | 1,179 | 804 | - | 6,530 | - | - | 9,819 | 933 | 22 | 2 | 10,776 |
| 2003 | - | 1 | 95 | 871 | 6,939 | 3,049 | 1,126 | 334 | - | 12,415 | - | 2,694 | 21,419 | 14,419 | - | - | 38,532 |
| 2004 | - | 17 | 83 | 554 | 6,931 | 8,225 | 1,507 | 485 | - | 17,802 | - | 2,707 | 13,981 | 6,625 | 207 | - | 23,520 |
| 2005 | 0 | 94 | 109 | 392 | 463 | 1,000 | 2,556 | 92 | - | 4,706 | - | 659 | 376 | 18 | 84 | - | 1,137 |
| 2006 | 2 | 1 | 17 | 77 | 326 | 41 | 128 | 80 | - | 672 | - | 101 | 3,970 | 10 | 473 | - | 4,554 |
| 2007 | 1 | 0 | 13 | 82 | 150 | 163 | 28 | 0 | 16 | 453 | - | 2,715 | 6,516 | 5,982 | 175 | - | 15,388 |
| 2008 | - | - | - | - | 3 | - | - | - | - | 3 | - | 106 | 865 | 1,820 | - | - | 2,791 |
| 2009 | - | - | - | 2 | 6 | 25 | - | - | - | 33 | - | 2,564 | 17,733 | 14,694 | 447 | - | 35,438 |
| 2010 | - | - | 55 | 52 | 135 | 474 | 88 | - | - | 804 | - | 27 | 551 | 6,283 | 966 | - | 7,827 |
| 2011 ^{c/} | 0 | 6 | 21 | 44 | 110 | 52 | 230 | - | - | 463 | - | 179 | 1,705 | 385 | 3,683 | - | 5,952 |

TABLE A-10. Oregon ocean recreational salmon landings in numbers of fish by catch area and month.^{a/} (Page 2 of 3)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season | May | June | July | Aug. | Sept. | Oct. ^{b/} | Season ^{b/} |
|-----------------------------|------|------|-------|-------|--------|--------|-------|-------|------|--------|-------|--------|---------|--------|-------|--------------------|----------------------|
| CHINOOK | | | | | | | | | | | | | | | | | |
| COOS BAY | | | | | | | | | | | | | | | | | |
| 1976-1980 ^{b/} | - | 0 | 484 | 2,108 | 2,866 | 3,618 | 1,181 | 94 | 24 | 10,323 | 7,484 | 31,027 | 44,646 | 20,736 | 2,845 | 265 | 106,898 |
| 1981-1985 | - | - | 37 | 921 | 4,075 | 1,994 | 436 | -- | -- | 7,087 | 2,106 | 13,671 | 29,455 | 13,020 | 1,699 | -- | 53,301 |
| 1986-1990 | - | - | 75 | 1,213 | 4,999 | 2,206 | 963 | -- | -- | 9,249 | 453 | 10,859 | 39,003 | 12,888 | 1,568 | - | 64,366 |
| 1991-1995 | - | - | 40 | 862 | 1,495 | 352 | 231 | 7 | -- | 2,033 | 465 | 12,213 | 39,345 | 10,077 | 2,713 | - | 59,645 |
| 1996-2000 | - | - | 11 | 89 | 1,660 | 793 | 142 | 16 | -- | 2,702 | - | - | 2,042 | 22 | 3 | - | 1,549 |
| 2001 | - | 0 | 77 | 1,441 | 5,548 | 2,163 | 281 | 3 | -- | 9,513 | 19 | 6,470 | 12,691 | 152 | 4 | - | 19,336 |
| 2002 | - | 140 | 237 | 4,840 | 10,170 | 2,782 | 1,213 | 97 | -- | 19,479 | - | 35 | 5,129 | 134 | 40 | - | 5,338 |
| 2003 | 2 | 21 | 119 | 1,626 | 6,453 | 5,449 | 1,366 | 3 | -- | 15,039 | - | 3,477 | 15,393 | 5,194 | 22 | - | 24,086 |
| 2004 | 2 | 2 | 192 | 2,849 | 11,416 | 3,666 | 2,606 | 13 | -- | 20,746 | 2 | 943 | 8,275 | 830 | 84 | - | 10,134 |
| 2005 | 0 | 0 | 56 | 2,933 | 3,081 | 3,273 | 1,826 | 2 | -- | 11,171 | - | 862 | 544 | 8 | 21 | - | 1,435 |
| 2006 | 0 | 3 | 11 | 388 | 3,225 | 927 | 656 | 0 | -- | 5,210 | - | 184 | 3,321 | 26 | 42 | - | 3,573 |
| 2007 | 2 | 0 | 18 | 115 | 545 | 672 | 62 | 0 | -- | 1,414 | - | 813 | 8,402 | 3,509 | 12 | - | 12,736 |
| 2008 | - | - | - | 7 | 3 | - | - | - | -- | 10 | - | 621 | 1,726 | 1,381 | - | - | 3,728 |
| 2009 | - | - | - | 3 | 7 | 2 | - | - | -- | 12 | - | 1,154 | 7,596 | 1,175 | 42 | - | 9,967 |
| 2010 | - | - | 8 | 83 | 133 | 444 | 28 | -- | -- | 696 | - | 18 | 238 | 663 | 8 | - | 927 |
| 2011 ^{c/} | 0 | 1 | 31 | 88 | 254 | 389 | 248 | - | 6 | 1,017 | - | 11 | 330 | 338 | 411 | - | 1,090 |
| BROOKINGS | | | | | | | | | | | | | | | | | |
| 1976-1980 ^{b/} | - | 0 | 91 | 982 | 2,803 | 3,365 | 570 | 717 | 75 | 8,602 | 378 | 10,569 | 15,434 | 5,252 | 483 | 716 | 32,545 |
| 1981-1985 | - | - | 853 | 2,140 | 9,162 | 4,185 | 566 | 507 | 14 | 16,395 | 247 | 3,102 | 7,541 | 2,962 | 165 | 4 | 12,102 |
| 1986-1990 | - | - | 415 | 5,447 | 7,146 | 4,010 | 1,436 | 872 | - | 18,803 | 350 | 3,346 | 11,414 | 3,280 | 467 | 16 | 18,863 |
| 1991-1995 | - | - | 816 | 1,506 | 1,489 | 533 | 819 | 870 | - | 4,517 | 97 | 3,448 | 5,118 | 994 | 386 | 3 | 6,341 |
| 1996-2000 | - | - | 327 | 861 | 924 | 2,899 | 389 | 702 | - | 6,102 | 17 | 11 | 21 | 32 | 11 | 9 | 75 |
| 2001 | - | - | 807 | 996 | 1,213 | 3,022 | 314 | 856 | - | 7,208 | - | 16 | 11 | 29 | - | 13 | 69 |
| 2002 | - | - | 506 | 2,532 | 35 | 2,654 | 3,906 | 301 | - | 9,934 | - | 31 | 16 | 29 | 32 | - | 108 |
| 2003 | - | - | 448 | 316 | 1,199 | 1,354 | 1,579 | 552 | - | 5,448 | - | 5 | 17 | 17 | 12 | - | 51 |
| 2004 | - | - | 531 | 2,325 | 1,541 | 1,638 | 569 | 233 | - | 6,837 | 2 | 357 | 673 | 222 | 18 | 3 | 1,275 |
| 2005 | - | - | 180 | 2,904 | 49 | 989 | 1,181 | 404 | - | 5,707 | - | 89 | 0 | 12 | 9 | - | 110 |
| 2006 | - | - | 52 | 513 | 186 | - | 644 | 397 | - | 1,792 | 2 | 474 | 117 | - | 81 | 7 | 681 |
| 2007 | - | - | 14 | 42 | 116 | 2,000 | 343 | 535 | - | 3,050 | - | 132 | 606 | 809 | 19 | 3 | 1,569 |
| 2008 | - | - | - | - | - | - | - | 280 | - | 280 | - | 449 | 1,273 | 409 | - | 3 | 2,134 |
| 2009 | - | - | - | - | 9 | 23 | 163 | - | - | 195 | - | 6 | 1,123 | 59 | 9 | - | 1,197 |
| 2010 | - | - | 7 | 2 | 3 | 24 | 247 | 541 | - | 824 | - | - | 19 | 25 | 16 | - | 60 |
| 2011 ^{c/} | - | - | 148 | 24 | 7 | 328 | 196 | 233 | - | 936 | - | - | 12 | 8 | 8 | - | 28 |
| SOUTH OF CAPE FALCON | | | | | | | | | | | | | | | | | |
| 1976-1980 ^{b/} | - | 0 | 792 | 3,762 | 6,917 | 8,445 | 2,033 | 804 | 90 | 22,841 | 9,476 | 57,488 | 91,620 | 60,146 | 6,100 | 1,387 | 225,663 |
| 1981-1985 | - | - | 908 | 2,071 | 15,489 | 7,703 | 1,208 | 516 | 9 | 27,722 | 1,988 | 21,112 | 70,167 | 43,292 | 4,870 | 4 | 131,613 |
| 1986-1990 | - | - | 535 | 7,125 | 14,274 | 8,109 | 3,075 | 349 | -- | 33,467 | 1,259 | 25,210 | 108,918 | 48,811 | 5,926 | 16 | 190,131 |
| 1991-1995 | - | - | 798 | 2,349 | 4,518 | 844 | 1,004 | 1,024 | 28 | 8,747 | 554 | 19,075 | 92,885 | 11,088 | 1,663 | 3 | 84,075 |
| 1996-2000 | - | - | 434 | 1,004 | 2,911 | 4,132 | 1,128 | 1,204 | 14 | 10,828 | 17 | 11 | 5,092 | 74 | 18 | 8 | 5,203 |
| 2001 | - | 0 | 1,024 | 3,034 | 9,029 | 7,743 | 2,279 | 1,450 | 23 | 24,582 | 21 | 17,687 | 37,104 | 234 | 76 | 35 | 55,157 |
| 2002 | - | 155 | 836 | 7,676 | 16,644 | 8,649 | 7,829 | 2,937 | 0 | 44,726 | - | 66 | 19,717 | 2,192 | 135 | 24 | 22,134 |
| 2003 | 2 | 22 | 716 | 3,252 | 16,315 | 10,589 | 5,539 | 1,825 | 64 | 38,324 | 2 | 7,583 | 50,878 | 25,335 | 76 | 14 | 83,888 |
| 2004 | 2 | 24 | 846 | 6,229 | 23,034 | 16,284 | 5,622 | 2,140 | 69 | 54,250 | 4 | 5,312 | 31,622 | 11,889 | 484 | 26 | 49,337 |
| 2005 | 6 | 104 | 381 | 6,600 | 4,277 | 5,553 | 6,705 | 684 | 0 | 24,310 | - | 2,153 | 1,422 | 49 | 116 | - | 3,740 |
| 2006 | 2 | 4 | 120 | 1,053 | 3,941 | 982 | 2,507 | 2,421 | 49 | 11,079 | 2 | 943 | 8,463 | 36 | 715 | 7 | 10,166 |
| 2007 | 3 | 0 | 86 | 297 | 920 | 3,076 | 940 | 1,009 | 16 | 6,347 | 2 | 4,866 | 19,829 | 17,226 | 330 | 3 | 42,256 |
| 2008 | - | - | - | 9 | 6 | 3 | 262 | 481 | -- | 761 | - | 1,219 | 4,084 | 4,540 | 45 | 6 | 9,894 |
| 2009 | - | - | - | 9 | 45 | 70 | 255 | 226 | -- | 605 | - | 4,865 | 39,124 | 25,384 | 808 | 6 | 70,187 |
| 2010 | - | - | 82 | 209 | 383 | 1,132 | 686 | 663 | -- | 3,155 | - | 368 | 2,200 | 8,361 | 1,258 | - | 12,187 |
| 2011 ^{c/} | 0 | 7 | 204 | 185 | 493 | 951 | 1,248 | 440 | -- | 3,534 | - | 556 | 3,588 | 2,019 | 6,634 | - | 12,797 |

TABLE A-10. Oregon ocean recreational salmon landings in numbers of fish by catch area and month.^{a/} (Page 3 of 3)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season | May | June | July | Aug. | Sept. | Oct. ^{b/} | Season ^{b/} |
|-------------------------|---------|------|-------|-------|--------|--------|-------|-------|------|--------|--------|--------|---------|--------|--------|--------------------|----------------------|
| | CHINOOK | | | | | | | | | | COHO | | | | | | |
| Total All Areas | | | | | | | | | | | | | | | | | |
| 1976-1980 ^{b/} | - | 0 | 1,125 | 6,972 | 10,989 | 16,420 | 3,522 | 854 | 91 | 39,974 | 10,373 | 70,404 | 112,320 | 81,823 | 13,242 | 1,710 | 289,189 |
| 1981-1985 | - | - | 915 | 2,809 | 17,916 | 9,605 | 1,499 | 516 | 9 | 33,085 | 2,412 | 20,297 | 86,622 | 54,503 | 7,625 | 4 | 165,393 |
| 1986-1990 | - | - | 541 | 7,227 | 15,227 | 9,276 | 3,093 | 349 | -- | 35,713 | 1,259 | 26,670 | 124,138 | 60,376 | 6,187 | 16 | 218,637 |
| 1991-1995 | - | - | 798 | 2,365 | 3,613 | 1,085 | 1,055 | 1,024 | 28 | 9,234 | 554 | 19,677 | 80,495 | 19,002 | 3,528 | 3 | 103,001 |
| 1996-2000 | - | - | 434 | 1,004 | 3,069 | 4,355 | 1,150 | 1,204 | 14 | 11,231 | 17 | 11 | 8,112 | 3,750 | 580 | 8 | 12,459 |
| 2001 | - | 0 | 1,024 | 3,034 | 10,029 | 9,221 | 2,419 | 1,450 | 23 | 27,200 | 21 | 17,687 | 50,641 | 22,224 | 3,738 | 35 | 94,346 |
| 2002 | - | 155 | 869 | 8,023 | 18,184 | 9,476 | 7,833 | 2,940 | 0 | 47,480 | - | 66 | 24,149 | 10,722 | 1,576 | 24 | 36,537 |
| 2003 | 2 | 22 | 716 | 3,260 | 16,861 | 12,248 | 5,656 | 1,825 | 64 | 40,654 | 2 | 7,638 | 59,115 | 45,226 | 1,664 | 14 | 113,659 |
| 2004 | 2 | 24 | 846 | 6,254 | 23,337 | 17,710 | 6,051 | 2,140 | 69 | 56,433 | 4 | 5,680 | 38,205 | 25,490 | 2,430 | 26 | 71,835 |
| 2005 | 6 | 104 | 381 | 6,600 | 4,758 | 8,190 | 7,222 | 684 | 0 | 27,945 | - | 2,153 | 3,587 | 6,386 | 1,580 | - | 13,706 |
| 2006 | 2 | 4 | 120 | 1,053 | 4,022 | 1,352 | 2,565 | 2,421 | 49 | 11,588 | 2 | 943 | 10,079 | 3,596 | 950 | 7 | 15,577 |
| 2007 | 3 | 0 | 86 | 297 | 1,001 | 3,533 | 996 | 1,009 | 16 | 6,941 | 2 | 4,866 | 23,641 | 31,033 | 1,108 | 3 | 60,653 |
| 2008 | - | - | 17 | 161 | 349 | 308 | 262 | 481 | -- | 1,578 | - | 1,320 | 5,192 | 5,522 | 45 | 6 | 12,085 |
| 2009 | - | - | - | 13 | 467 | 613 | 266 | 226 | -- | 1,585 | - | 5,003 | 48,717 | 34,714 | 1,166 | 6 | 89,606 |
| 2010 | - | - | 82 | 246 | 771 | 2,453 | 752 | 663 | -- | 4,967 | - | 380 | 3,679 | 12,765 | 1,471 | - | 18,295 |
| 2011 ^{c/} | 0 | 7 | 204 | 314 | 640 | 2,219 | 1,327 | 440 | -- | 5,157 | - | 734 | 4,569 | 6,147 | 7,389 | - | 18,839 |

a/ Monthly totals are the sum of statistical weeks with closest fit to the calendar month and may include illegal catch. The 1976-1980 catch is from combined salmon/steelhead punch card and sampled port data. Since 1981, data is from sampled ports only. Astoria 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. Values include state-waters only terminal area fisheries.

b/ October, season, and total catch for the following port areas and years includes the following catch in November: Astoria 1976 - 29 coho; Tillamook 1976 - 38 coho; Newport 1976 - 22 coho; Coos Bay 1976 - 66 coho; Brookings 1976 - 367 coho.

c/ Preliminary.

TABLE A-11. Summary of Washington non-Indian commercial troll salmon fishing effort in days fished and landings in numbers of fish by catch area. (Page 1 of 2)

| Year or Avg. | Washington | | | | | Oregon | California | Alaska | Total |
|-------------------------|------------|----------|---------|------------------------|----------|--------|------------|--------|---------|
| | Ilwaco | Westport | La Push | Neah Bay ^{a/} | Subtotal | | | | |
| DAYS FISHED | | | | | | | | | |
| 1976-1980 | 9,007 | 15,023 | 9,446 | 9,707 | 43,184 | 664 | 42 | 970 | 44,860 |
| 1981-1985 | 1,961 | 5,194 | 1,553 | 3,111 | 11,819 | 244 | 18 | 25 | 12,106 |
| 1986-1990 | 871 | 2,619 | 300 | 928 | 4,718 | 100 | 0 | 3 | 4,821 |
| 1991-1995 | 335 | 2,079 | 243 | 1,421 | 4,476 | 100 | 0 | 3 | 4,579 |
| 1996-2000 | 20 | 128 | 55 | 235 | 431 | 30 | 0 | 0 | 460 |
| 2001 | 76 | 435 | 39 | 214 | 764 | 174 | 0 | 0 | 938 |
| 2002 | 65 | 782 | 94 | 397 | 1,338 | 272 | 0 | 0 | 1,610 |
| 2003 | 114 | 603 | 313 | 668 | 1,698 | 188 | 0 | 0 | 1,886 |
| 2004 | 52 | 575 | 246 | 508 | 1,381 | 0 | 0 | 0 | 1,381 |
| 2005 | 103 | 570 | 282 | 483 | 1,438 | - | 0 | 0 | 1,438 |
| 2006 | 134 | 367 | 597 | 340 | 1,438 | - | 0 | 0 | 1,438 |
| 2007 | 100 | 638 | 436 | 100 | 1,274 | - | 0 | 0 | 1,274 |
| 2008 | 128 | 655 | 331 | 109 | 1,223 | - | - | 0 | 1,223 |
| 2009 | 87 | 1,144 | 564 | 196 | 1,991 | - | - | 0 | 1,991 |
| 2010 | 92 | 1,620 | 426 | 298 | 2,436 | - | - | 0 | 2,436 |
| 2011 ^{b/} | 92 | 1,133 | 669 | 170 | 2,064 | - | - | 0 | 2,064 |
| CHINOOK LANDINGS | | | | | | | | | |
| 1976-1980 | 23,518 | 81,100 | 44,972 | 33,934 | 183,524 | 4,878 | 648 | 12,666 | 201,716 |
| 1981-1985 | 9,172 | 34,995 | 7,061 | 10,074 | 61,303 | 901 | 184 | 203 | 62,591 |
| 1986-1990 | 5,089 | 27,281 | 4,251 | 9,601 | 46,222 | 1,431 | 0 | 1 | 47,654 |
| 1991-1995 | 1,386 | 13,907 | 2,769 | 12,082 | 25,628 | 1,431 | 0 | 1 | 27,060 |
| 1996-2000 | 184 | 1,329 | 1,503 | 7,048 | 10,018 | 812 | 0 | 0 | 10,830 |
| 2001 | 944 | 12,903 | 1,129 | 6,253 | 21,229 | 6,309 | 0 | 0 | 27,538 |
| 2002 | 1,756 | 30,329 | 3,026 | 18,708 | 53,819 | 7,701 | 0 | 0 | 61,520 |
| 2003 | 1,920 | 16,773 | 6,995 | 30,514 | 56,202 | 4,599 | 0 | 0 | 60,801 |
| 2004 | 358 | 11,088 | 4,842 | 19,084 | 35,372 | 0 | 0 | 0 | 35,372 |
| 2005 | 1,486 | 15,178 | 6,411 | 11,991 | 35,066 | - | 0 | 0 | 35,066 |
| 2006 | 2,124 | 2,557 | 7,877 | 4,211 | 16,769 | - | 0 | 0 | 16,769 |
| 2007 | 500 | 8,111 | 5,103 | 554 | 14,268 | - | 0 | 0 | 14,268 |
| 2008 | 1,242 | 4,673 | 2,222 | 499 | 8,636 | - | - | 0 | 8,636 |
| 2009 | 261 | 8,132 | 2,722 | 1,201 | 12,316 | - | - | 0 | 12,316 |
| 2010 | 886 | 34,171 | 5,911 | 4,131 | 45,099 | - | - | 0 | 45,099 |
| 2011 ^{b/} | 1,032 | 12,518 | 10,418 | 2,934 | 26,902 | - | - | 0 | 26,902 |

TABLE A-11. Summary of Washington non-Indian commercial troll salmon fishing effort in days fished and landings in numbers of fish by catch area. (Page 2 of 2)

| Year or Avg. | Washington | | | | | Oregon | California | Alaska | Total |
|-----------------------------------|------------|----------|---------|------------------------|----------|--------|------------|--------|---------|
| | Ilwaco | Westport | La Push | Neah Bay ^{a/} | Subtotal | | | | |
| COHO LANDINGS | | | | | | | | | |
| 1976-1980 | 136,926 | 207,515 | 203,330 | 156,502 | 704,272 | 21,460 | 1,595 | 15,218 | 742,545 |
| 1981-1985 | 32,087 | 63,633 | 34,020 | 42,272 | 152,480 | 8,260 | 33 | 876 | 161,649 |
| 1986-1990 | 23,765 | 15,616 | 4,139 | 19,563 | 54,379 | 1,501 | 0 | 103 | 55,983 |
| 1991-1995 | 5,957 | 8,689 | 2,876 | 13,939 | 27,800 | 1,501 | 0 | 103 | 29,404 |
| 1991-1995 | 1,413 | 2,387 | 851 | 7,478 | 8,881 | 0 | - | 103 | 8,984 |
| 2001 | 1,458 | 6,209 | 165 | 280 | 8,112 | 91 | - | 0 | 8,203 |
| 2002 | 127 | 53 | - | - | 180 | 0 | - | 0 | 180 |
| 2003 | 1,290 | 3,200 | 2,784 | 1,683 | 8,957 | 7 | - | 0 | 8,964 |
| 2004 | 1,130 | 6,365 | 3,175 | 2,623 | 13,293 | 0 | - | 0 | 13,293 |
| 2005 | 638 | 373 | 94 | 337 | 1,442 | - | - | 0 | 1,442 |
| 2006 | 74 | 184 | 766 | 241 | 1,265 | - | - | 0 | 1,265 |
| 2007 | 2,865 | 1,783 | 1,091 | 147 | 5,886 | - | - | 0 | 5,886 |
| 2008 | 77 | 1,132 | 490 | 7 | 1,706 | - | - | 0 | 1,706 |
| 2009 | 2,254 | 10,060 | 7,157 | 584 | 20,055 | - | - | 0 | 20,055 |
| 2010 | 151 | 1,657 | 209 | 87 | 2,104 | - | - | 0 | 2,104 |
| 2011 ^{b/} | 38 | 1,708 | 1,167 | 140 | 3,053 | - | - | 0 | 3,053 |
| PINK LANDINGS^{c/} | | | | | | | | | |
| 1976-1980 | 3,598 | 27,219 | 143,277 | 238,787 | 412,880 | 1,829 | 0 | 2,380 | 417,089 |
| 1981-1985 | 1,272 | 7,589 | 22,914 | 107,620 | 139,394 | 342 | 1 | 263 | 140,000 |
| 1986-1990 | 45 | 412 | 364 | 18,894 | 19,714 | 19 | 0 | 0 | 19,733 |
| 1991-1995 | 30 | 11 | 1,773 | 23,992 | 25,792 | 19 | 0 | 0 | 25,811 |
| 1991-1995 | 0 | 2 | 7 | 21 | 29 | 19 | 0 | 0 | 48 |
| 2001 | 2 | 14 | 0 | 16 | 32 | 91 | 0 | 0 | 123 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 36 | 37 | 108 | 70 | 251 | 7 | 0 | 0 | 258 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 0 | 3 | 5 | 0 | 8 | - | 0 | 0 | 8 |
| 2006 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 |
| 2007 | 0 | 1 | 122 | 24 | 147 | - | 0 | 0 | 147 |
| 2008 | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |
| 2009 | 0 | 9 | 117 | 9 | 135 | - | - | 0 | 135 |
| 2010 | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |
| 2011 ^{b/} | 0 | 110 | 98 | 7 | 215 | - | - | 0 | 215 |

a/ Neah Bay data includes landings from Strait of Juan de Fuca Area 4B.

b/ Preliminary.

c/ Landings primarily in odd-years only; averages are odd-year average.

TABLE A-12. Washington non-Indian commercial troll salmon fishing effort in days fished by catch area and month. ^{a/} (Page 1 of 2)

| Year or Avg. | May | June | July | Aug. | Sept. ^{b/} | Oct. | Season |
|------------------------------|-------|-------|-------|-------|---------------------|------|--------|
| <u>Neah Bay^{c/}</u> | | | | | | | |
| 1976-1980 | 656 | 402 | 3,064 | 4,198 | 1,734 | - | 9,707 |
| 1981-1985 | 416 | 53 | 1,662 | 1,332 | 14 | - | 3,111 |
| 1986-1990 | 480 | 178 | 8 | 434 | - | - | 928 |
| 1991-1995 | 652 | 416 | 296 | 406 | 132 | - | 1,421 |
| 1996-2000 | 140 | 63 | 96 | 88 | - | - | 235 |
| 2001 | 84 | 81 | 49 | - | - | - | 214 |
| 2002 | 97 | 81 | 139 | 80 | - | - | 397 |
| 2003 | 280 | 92 | 150 | 132 | 14 | - | 668 |
| 2004 | 198 | 1 | 160 | 116 | 33 | - | 508 |
| 2005 | 164 | 24 | 149 | 146 | - | - | 483 |
| 2006 | 144 | 89 | 15 | 54 | 38 | - | 340 |
| 2007 | 49 | 10 | 37 | 2 | 2 | - | 100 |
| 2008 | 34 | 65 | 1 | 9 | 0 | - | 109 |
| 2009 | 68 | 74 | 50 | 2 | 2 | - | 196 |
| 2010 | 139 | 97 | 44 | 18 | 0 | - | 298 |
| 2011 ^{d/} | 107 | 34 | 17 | 3 | 9 | - | 170 |
| <u>La Push</u> | | | | | | | |
| 1976-1980 | 570 | 541 | 3,812 | 3,609 | 1,143 | - | 9,446 |
| 1981-1985 | 175 | 25 | 1,199 | 505 | - | - | 1,553 |
| 1986-1990 | 186 | 110 | 5 | 136 | 15 | - | 300 |
| 1991-1995 | 74 | 85 | 127 | 52 | 16 | - | 243 |
| 1996-2000 | 36 | 23 | 12 | 8 | 5 | - | 55 |
| 2001 | 29 | 4 | 6 | - | - | - | 39 |
| 2002 | 0 | 3 | 53 | 38 | - | - | 94 |
| 2003 | 42 | 24 | 148 | 91 | 8 | - | 313 |
| 2004 | 17 | 4 | 105 | 99 | 21 | - | 246 |
| 2005 | 65 | 23 | 69 | 125 | - | - | 282 |
| 2006 | 39 | 179 | 63 | 209 | 107 | - | 597 |
| 2007 | 29 | 180 | 168 | 57 | 2 | - | 436 |
| 2008 | 10 | 118 | 119 | 73 | 11 | - | 331 |
| 2009 | 123 | 114 | 173 | 124 | 30 | - | 564 |
| 2010 | 154 | 93 | 95 | 81 | 3 | - | 426 |
| 2011 ^{d/} | 199 | 236 | 139 | 70 | 25 | - | 669 |
| <u>Westport</u> | | | | | | | |
| 1976-1980 | 2,255 | 1,320 | 5,000 | 4,231 | 2,218 | - | 15,023 |
| 1981-1985 | 2,109 | 250 | 2,790 | 1,087 | - | - | 5,194 |
| 1986-1990 | 1,723 | 614 | 855 | 390 | - | - | 2,619 |
| 1991-1995 | 852 | 552 | 352 | 235 | 309 | - | 2,079 |
| 1996-2000 | 46 | 39 | 51 | 65 | 2 | - | 128 |
| 2001 | 96 | 127 | 104 | 70 | 38 | - | 435 |
| 2002 | 331 | 99 | 228 | 124 | - | - | 782 |
| 2003 | 99 | 79 | 178 | 192 | 55 | - | 603 |
| 2004 | 245 | 5 | 127 | 127 | 71 | - | 575 |
| 2005 | 263 | 57 | 119 | 131 | - | - | 570 |
| 2006 | 176 | 113 | 21 | 33 | 24 | - | 367 |
| 2007 | 367 | 63 | 149 | 55 | 4 | - | 638 |
| 2008 | 202 | 170 | 103 | 131 | 49 | - | 655 |
| 2009 | 276 | 363 | 209 | 194 | 102 | - | 1,144 |
| 2010 | 218 | 668 | 362 | 329 | 43 | - | 1,620 |
| 2011 ^{d/} | 300 | 386 | 292 | 135 | 20 | - | 1,133 |

TABLE A-12. Washington non-Indian commercial troll salmon fishing effort in days fished by catch area and month.^{a/}
(Page 2 of 2)

| Year or Avg. | May | June | July | Aug. | Sept. ^{b/} | Oct. | Season |
|------------------------|-------|-------|--------|--------|---------------------|------|--------|
| Ilwaco | | | | | | | |
| 1976-1980 | 695 | 673 | 3,199 | 2,907 | 1,668 | - | 9,007 |
| 1981-1985 | 566 | 97 | 1,092 | 710 | 568 | - | 1,961 |
| 1986-1990 | 197 | 61 | 284 | 583 | 578 | - | 871 |
| 1991-1995 | 95 | 9 | 63 | 160 | 44 | - | 335 |
| 1996-2000 | 0 | 0 | - | 48 | 11 | - | 20 |
| 2001 | 24 | 1 | 13 | 26 | 12 | - | 76 |
| 2002 | 16 | 1 | 26 | 22 | - | - | 65 |
| 2003 | 18 | 4 | 41 | 32 | 19 | - | 114 |
| 2004 | 3 | 3 | 16 | 18 | 12 | - | 52 |
| 2005 | 14 | 15 | 25 | 49 | - | - | 103 |
| 2006 | 71 | 54 | 1 | 2 | 6 | - | 134 |
| 2007 | 22 | 27 | 10 | 31 | 10 | - | 100 |
| 2008 | 34 | 80 | 3 | 8 | 3 | - | 128 |
| 2009 | 7 | 13 | 20 | 43 | 4 | - | 87 |
| 2010 | 23 | 22 | 23 | 17 | 7 | - | 92 |
| 2011 ^{d/} | 42 | 43 | 1 | 3 | 3 | - | 92 |
| Statewide Total | | | | | | | |
| 1976-1980 | 4,177 | 2,800 | 15,075 | 14,944 | 6,187 | - | 43,184 |
| 1981-1985 | 3,266 | 382 | 6,469 | 2,956 | 291 | - | 11,819 |
| 1986-1990 | 2,452 | 876 | 580 | 1,100 | 585 | - | 4,718 |
| 1991-1995 | 1,673 | 1,063 | 838 | 755 | 333 | - | 4,476 |
| 1996-2000 | 221 | 124 | 158 | 145 | 10 | - | 431 |
| 2001 | 233 | 213 | 172 | 96 | 50 | - | 764 |
| 2002 | 444 | 184 | 446 | 264 | - | - | 1,338 |
| 2003 | 439 | 199 | 517 | 447 | 96 | - | 1,698 |
| 2004 | 463 | 13 | 408 | 360 | 137 | - | 1,381 |
| 2005 | 506 | 119 | 362 | 451 | - | - | 1,438 |
| 2006 | 430 | 435 | 100 | 298 | 175 | - | 1,438 |
| 2007 | 467 | 280 | 364 | 145 | 18 | - | 1,274 |
| 2008 | 280 | 433 | 226 | 221 | 63 | - | 1,223 |
| 2009 | 474 | 564 | 452 | 363 | 138 | - | 1,991 |
| 2010 | 534 | 880 | 524 | 445 | 53 | - | 2,436 |
| 2011 ^{d/} | 648 | 699 | 449 | 211 | 57 | - | 2,064 |

a/ Summary of Washington Department of Fish and Wildlife fish receiving ticket information by statistical month, excluding Washington landings from Oregon, California, and Alaska.

b/ Data for September includes any effort after September.

c/ Neah Bay area includes effort and catches from Strait of Juan de Fuca Area 4B.

d/ Preliminary.

TABLE A-13. Washington non-Indian commercial troll Chinook, coho, and pink salmon landings in numbers of fish by catch area and month.^{a/} (Page 1 of 3)

| Year or Avg. | May | June | July | Aug. | Sept. ^{b/} | Season | May | June | July | Aug. | Sept. ^{b/} | Season | May | June | July | Aug. | Sept. ^{b/} | Season |
|------------------------------|----------------|-------|--------|--------|---------------------|--------|-------------|--------|---------|--------|---------------------|---------|--------------|------|--------|---------|---------------------|---------|
| | CHINOOK | | | | | | COHO | | | | | | PINKS | | | | | |
| <u>Neah Bay^{c/}</u> | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 6,781 | 3,805 | 12,440 | 8,782 | 2,659 | 33,934 | - | 19,014 | 67,297 | 58,787 | 33,270 | 156,502 | 45 | 235 | 42,003 | 192,169 | 4,336 | 238,787 |
| 1981-1985 | 3,293 | 532 | 6,289 | 1,424 | 31 | 10,074 | - | - | 43,965 | 15,853 | 100 | 42,272 | 113 | 20 | 38,466 | 103,127 | 415 | 107,620 |
| 1986-1990 | 8,157 | 4,180 | 74 | 672 | - | 9,601 | - | - | 776 | 24,066 | - | 19,563 | 0 | - | 1,524 | 36,263 | - | 18,894 |
| 1991-1995 | 8,818 | 5,679 | 1,388 | 424 | 366 | 12,082 | - | - | 3,378 | 9,604 | 5,293 | 13,939 | 9 | 9 | 64 | 23,603 | 535 | 23,992 |
| 1996-2000 | 3,887 | 1,923 | 3,428 | 1,524 | - | 7,048 | - | - | 2,997 | 4,481 | - | 7,478 | 1 | 1 | 30 | 8 | - | 21 |
| 2001 | 2,072 | 2,284 | 1,897 | - | - | 6,253 | - | - | 280 | - | - | 280 | 1 | 8 | 7 | - | - | 16 |
| 2002 | 5,626 | 4,680 | 5,589 | 2,813 | - | 18,708 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2003 | 13,364 | 4,385 | 6,554 | 5,848 | 363 | 30,514 | - | - | 706 | 866 | 111 | 1,683 | 0 | 0 | 47 | 23 | 0 | 70 |
| 2004 | 7,128 | 510 | 4,685 | 5,727 | 1,034 | 19,084 | - | - | 647 | 1,745 | 231 | 2,623 | - | - | - | - | - | - |
| 2005 | 4,929 | 595 | 3,285 | 3,182 | - | 11,991 | - | - | 62 | 275 | - | 337 | 0 | 0 | 0 | 0 | - | 0 |
| 2006 | 2,434 | 545 | 109 | 662 | 461 | 4,211 | - | - | 12 | 206 | 23 | 241 | - | - | - | - | - | - |
| 2007 | 223 | 122 | 171 | 20 | 18 | 554 | - | - | 143 | 0 | 4 | 147 | 8 | 0 | 16 | 0 | 0 | 24 |
| 2008 | 47 | 434 | 1 | 17 | 0 | 499 | - | - | 0 | 7 | 0 | 7 | - | - | - | - | - | - |
| 2009 | 597 | 461 | 138 | 3 | 2 | 1,201 | - | - | 458 | 102 | 24 | 584 | 1 | 8 | 0 | 0 | 0 | 9 |
| 2010 | 1,902 | 1,529 | 368 | 332 | 0 | 4,131 | - | - | 69 | 18 | 0 | 87 | - | - | - | - | - | - |
| 2011 ^{d/} | 2,022 | 513 | 276 | 30 | 93 | 2,934 | - | - | 1 | 0 | 139 | 140 | 0 | 0 | 7 | 0 | 0 | 7 |
| <u>La Push</u> | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 6,487 | 5,777 | 19,674 | 10,996 | 2,548 | 44,972 | - | 46,357 | 112,723 | 63,373 | 22,453 | 203,330 | 281 | 156 | 39,572 | 102,977 | 293 | 143,277 |
| 1981-1985 | 1,879 | 257 | 4,971 | 1,313 | - | 7,061 | - | - | 29,610 | 8,820 | - | 34,020 | 39 | - | 7,150 | 15,725 | - | 22,914 |
| 1986-1990 | 3,225 | 2,241 | 40 | 527 | 11 | 4,251 | - | - | 350 | 5,397 | 16 | 4,139 | 0 | - | 728 | 0 | - | 364 |
| 1991-1995 | 921 | 1,020 | 734 | 335 | 11 | 2,769 | - | - | 1,773 | 1,465 | 1,050 | 2,876 | 0 | 0 | 20 | 1,736 | 46 | 1,773 |
| 1996-2000 | 966 | 416 | 336 | 150 | - | 1,503 | - | - | 140 | 547 | 328 | 851 | 0 | 0 | 0 | 13 | 0 | 7 |
| 2001 | 843 | 106 | 180 | - | - | 1,129 | - | - | 165 | - | - | 165 | 0 | 0 | 0 | - | - | 0 |
| 2002 | 0 | 72 | 1,803 | 1,151 | - | 3,026 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2003 | 964 | 787 | 3,564 | 1,631 | 49 | 6,995 | - | - | 1,752 | 928 | 104 | 2,784 | 0 | 0 | 63 | 35 | 10 | 108 |
| 2004 | 237 | 273 | 1,974 | 2,056 | 302 | 4,842 | - | - | 1,059 | 1,847 | 269 | 3,175 | - | - | - | - | - | - |
| 2005 | 1,939 | 450 | 1,469 | 2,553 | - | 6,411 | - | - | 2 | 92 | - | 94 | 4 | 0 | 0 | 1 | - | 5 |
| 2006 | 723 | 2,371 | 844 | 2,658 | 1,281 | 7,877 | - | - | 100 | 551 | 115 | 766 | - | - | - | - | - | - |
| 2007 | 144 | 2,932 | 1,588 | 437 | 2 | 5,103 | - | - | 803 | 286 | 2 | 1,091 | 0 | 19 | 103 | 0 | 0 | 122 |
| 2008 | 24 | 1,259 | 501 | 380 | 58 | 2,222 | - | - | 186 | 265 | 39 | 490 | - | - | - | - | - | - |
| 2009 | 1,372 | 523 | 522 | 272 | 33 | 2,722 | - | - | 2,466 | 3,888 | 803 | 7,157 | 0 | 2 | 80 | 34 | 1 | 117 |
| 2010 | 2,125 | 1,632 | 984 | 1,147 | 23 | 5,911 | - | - | 121 | 87 | 1 | 209 | - | - | - | - | - | - |
| 2011 ^{d/} | 2,700 | 4,075 | 2,683 | 781 | 179 | 10,418 | - | - | 574 | 436 | 157 | 1,167 | 0 | 2 | 58 | 37 | 1 | 98 |

TABLE A-13. Washington non-Indian commercial troll Chinook, coho, and pink salmon landings in numbers of fish by catch area and month (odd year averages).^{al} (Page 2 of 3)

| Year or Avg. | May | June | July | Aug. | Sept. ^{b/} | Season | May | June | July | Aug. | Sept. ^{b/} | Season | May | June | July | Aug. | Sept. ^{b/} | Season | |
|--------------------|----------------|--------|--------|--------|---------------------|--------|-------------|--------|---------|--------|---------------------|---------|--------------|------|--------|--------|---------------------|--------|--|
| | CHINOOK | | | | | | COHO | | | | | | PINKS | | | | | | |
| <u>Westport</u> | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 28,493 | 15,087 | 18,923 | 13,306 | 5,291 | 81,100 | 97 | 69,485 | 123,307 | 52,640 | 17,651 | 207,515 | 239 | 53 | 13,298 | 13,510 | 119 | 27,219 | |
| 1981-1985 | 20,022 | 2,850 | 13,121 | 3,661 | - | 34,995 | - | - | 55,366 | 11,022 | - | 63,633 | 78 | 20 | 4,976 | 3,773 | - | 7,589 | |
| 1986-1990 | 17,976 | 6,478 | 17,639 | 1,489 | - | 27,281 | - | - | 34,992 | 9,157 | - | 15,616 | 115 | 182 | 390 | 23 | - | 412 | |
| 1991-1995 | 6,118 | 5,160 | 1,807 | 1,207 | 929 | 13,907 | - | - | 1,968 | 3,364 | 6,020 | 8,689 | 2 | 1 | 4 | 6 | 4 | 11 | |
| 1996-2000 | 394 | 559 | 266 | 619 | 3 | 1,329 | - | - | 769 | 1,855 | 29 | 2,387 | 0 | 1 | 1 | 0 | 0 | 2 | |
| 2001 | 4,177 | 4,798 | 2,863 | 846 | 219 | 12,903 | - | - | 1,524 | 2,070 | 2,615 | 6,209 | 0 | 1 | 13 | 0 | 0 | 14 | |
| 2002 | 12,384 | 6,249 | 7,879 | 3,817 | - | 30,329 | - | - | - | 53 | - | 53 | - | - | - | - | - | - | |
| 2003 | 3,592 | 3,636 | 4,254 | 4,577 | 714 | 16,773 | - | - | 821 | 1,961 | 418 | 3,200 | 0 | 0 | 32 | 5 | 0 | 37 | |
| 2004 | 7,889 | 374 | 1,232 | 1,102 | 491 | 11,088 | - | - | 336 | 1,060 | 4,969 | 6,365 | - | - | - | - | - | - | |
| 2005 | 11,426 | 1,159 | 1,255 | 1,338 | - | 15,178 | - | - | 102 | 271 | - | 373 | 0 | 0 | 2 | 1 | - | 3 | |
| 2006 | 1,578 | 632 | 120 | 138 | 89 | 2,557 | - | - | 10 | 59 | 115 | 184 | - | - | - | - | - | - | |
| 2007 | 5,326 | 814 | 1,700 | 264 | 7 | 8,111 | - | - | 998 | 757 | 28 | 1,783 | 0 | 0 | 0 | 1 | 0 | 1 | |
| 2008 | 1,380 | 1,657 | 671 | 764 | 201 | 4,673 | - | - | 165 | 645 | 322 | 1,132 | - | - | - | - | - | - | |
| 2009 | 3,576 | 3,111 | 955 | 405 | 85 | 8,132 | - | - | 1,933 | 5,291 | 2,836 | 10,060 | 0 | 4 | 2 | 3 | 0 | 9 | |
| 2010 | 4,192 | 19,171 | 4,761 | 5,788 | 259 | 34,171 | - | - | 895 | 639 | 123 | 1,657 | - | - | - | - | - | - | |
| 2011 ^{d/} | 2,960 | 4,727 | 3,056 | 1,709 | 66 | 12,518 | - | - | 1,055 | 456 | 197 | 1,708 | 0 | 1 | 53 | 56 | 0 | 110 | |
| <u>Ilwaco</u> | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 7,990 | 6,369 | 3,933 | 3,312 | 3,188 | 23,518 | 6 | 92,879 | 72,101 | 28,995 | 17,251 | 136,926 | 5 | 5 | 1,817 | 1,348 | 423 | 3,598 | |
| 1981-1985 | 6,464 | 1,263 | 2,309 | 603 | 418 | 9,172 | - | - | 29,801 | 14,415 | 13,373 | 32,087 | 4 | - | 931 | 647 | - | 1,272 | |
| 1986-1990 | 2,998 | 901 | 1,324 | 1,518 | 937 | 5,089 | - | - | 10,844 | 19,388 | 13,026 | 23,765 | 0 | 0 | 87 | 1 | 1 | 45 | |
| 1991-1995 | 1,147 | 36 | 57 | 156 | 15 | 1,386 | - | - | 477 | 5,019 | 930 | 5,957 | 0 | 0 | 0 | 30 | 0 | 30 | |
| 1996-2000 | 0 | 0 | - | 513 | 40 | 184 | - | - | - | 1,221 | 385 | 1,413 | 0 | 0 | - | - | - | 0 | |
| 2001 | 518 | 9 | 111 | 148 | 158 | 944 | - | - | 351 | 594 | 513 | 1,458 | 0 | 0 | 0 | 2 | 0 | 2 | |
| 2002 | 371 | 48 | 855 | 482 | - | 1,756 | - | - | - | 127 | - | 127 | - | - | - | - | - | - | |
| 2003 | 790 | 110 | 486 | 383 | 151 | 1,920 | - | - | 417 | 512 | 361 | 1,290 | 0 | 0 | 34 | 2 | 0 | 36 | |
| 2004 | 56 | 77 | 72 | 99 | 54 | 358 | - | - | 188 | 309 | 633 | 1,130 | - | - | - | - | - | - | |
| 2005 | 254 | 308 | 262 | 662 | - | 1,486 | - | - | 154 | 484 | - | 638 | 0 | 0 | 0 | 0 | - | 0 | |
| 2006 | 1,746 | 364 | 0 | 1 | 13 | 2,124 | - | - | 7 | 29 | 38 | 74 | - | - | - | - | - | - | |
| 2007 | 173 | 226 | 43 | 50 | 8 | 500 | - | - | 338 | 2,401 | 126 | 2,865 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2008 | 361 | 847 | 7 | 24 | 3 | 1,242 | - | - | 4 | 65 | 8 | 77 | - | - | - | - | - | - | |
| 2009 | 146 | 49 | 20 | 46 | 0 | 261 | - | - | 587 | 1,667 | 0 | 2,254 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2010 | 210 | 230 | 168 | 237 | 41 | 886 | - | - | 99 | 38 | 14 | 151 | - | - | - | - | - | - | |
| 2011 ^{d/} | 472 | 543 | 1 | 12 | 4 | 1,032 | - | - | 1 | 25 | 12 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | |

TABLE A-13. Washington non-Indian commercial troll Chinook, coho, and pink salmon landings in numbers of fish by catch area and month (odd year averages).^{a/} (Page 3 of 3)

| Year or Avg. | May | June | July | Aug. | Sept. ^{b/} | Season | May | June | July | Aug. | Sept. ^{b/} | Season | May | June | July | Aug. | Sept. ^{b/} | Season | |
|------------------------|---------|--------|--------|--------|---------------------|---------|------|---------|---------|---------|---------------------|---------|-------|------|--------|---------|---------------------|---------|--|
| | CHINOOK | | | | | | COHO | | | | | | PINKS | | | | | | |
| Statewide Total | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 49,751 | 29,764 | 54,970 | 36,395 | 12,644 | 183,524 | 36 | 227,735 | 375,428 | 203,795 | 79,481 | 704,272 | 570 | 449 | 96,689 | 310,003 | 5,170 | 412,880 | |
| 1981-1985 | 31,659 | 4,389 | 26,113 | 5,153 | 225 | 61,303 | - | - | 140,300 | 37,526 | 4,524 | 152,480 | 234 | 33 | 51,212 | 87,639 | 415 | 139,394 | |
| 1986-1990 | 30,079 | 11,970 | 9,576 | 2,950 | 943 | 46,222 | - | - | 23,869 | 49,522 | 13,034 | 54,379 | 115 | 182 | 2,729 | 36,287 | 1 | 19,714 | |
| 1991-1995 | 17,003 | 11,895 | 3,985 | 1,396 | 1,132 | 25,628 | - | - | 7,595 | 17,356 | 8,862 | 27,800 | 10 | 9 | 88 | 25,360 | 390 | 25,792 | |
| 1996-2000 | 5,247 | 2,897 | 4,030 | 1,713 | 43 | 10,018 | - | - | 3,905 | 6,021 | 386 | 8,881 | 1 | 2 | 31 | 21 | 0 | 29 | |
| 2001 | 7,610 | 7,197 | 5,051 | 994 | 377 | 21,229 | - | - | 2,320 | 2,664 | 3,128 | 8,112 | 1 | 9 | 20 | 2 | 0 | 32 | |
| 2002 | 18,381 | 11,049 | 16,126 | 8,263 | - | 53,819 | - | - | - | 180 | - | 180 | - | - | - | - | - | - | |
| 2003 | 18,710 | 8,918 | 14,858 | 12,439 | 1,277 | 56,202 | - | - | 3,696 | 4,267 | 994 | 8,957 | 0 | 0 | 176 | 65 | 10 | 251 | |
| 2004 | 15,310 | 1,234 | 7,963 | 8,984 | 1,881 | 35,372 | - | - | 2,230 | 4,961 | 6,102 | 13,293 | - | - | - | - | - | - | |
| 2005 | 18,548 | 2,512 | 6,271 | 7,735 | - | 35,066 | - | - | 320 | 1,122 | - | 1,442 | 4 | 0 | 2 | 2 | - | 8 | |
| 2006 | 6,481 | 3,912 | 1,073 | 3,459 | 1,844 | 16,769 | - | - | 129 | 845 | 291 | 1,265 | - | - | - | - | - | - | |
| 2007 | 5,866 | 4,094 | 3,502 | 771 | 35 | 14,268 | - | - | 2,282 | 3,444 | 160 | 5,886 | 8 | 19 | 119 | 1 | 0 | 147 | |
| 2008 | 1,812 | 4,197 | 1,180 | 1,185 | 262 | 8,636 | - | - | 355 | 982 | 369 | 1,706 | - | - | - | - | - | - | |
| 2009 | 5,691 | 4,144 | 1,635 | 726 | 120 | 12,316 | - | - | 5,444 | 10,948 | 3,663 | 20,055 | 1 | 14 | 82 | 37 | 1 | 135 | |
| 2010 | 8,429 | 22,562 | 6,281 | 7,504 | 323 | 45,099 | - | - | 1,184 | 782 | 138 | 2,104 | - | - | - | - | - | - | |
| 2011 ^{d/} | 8,154 | 9,858 | 6,016 | 2,532 | 342 | 26,902 | - | - | 1,631 | 917 | 505 | 3,053 | 0 | 3 | 118 | 93 | 1 | 215 | |

a/ Summary of Washington Department of Fish and Wildlife fish receiving ticket information by statistical month excluding Washington landings from Oregon, California, and Alaska.

b/ Data for September include any catch after September.

c/ Neah Bay area includes effort and catches from Strait of Juan de Fuca Area 4B.

d/ Preliminary.

TABLE A-14. Treaty Indian ocean troll salmon fishing effort in deliveries by catch area and month. (Page 1 of 2)

| Year or Avg. | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.-Dec. | Total | Year |
|-----------------------------|-----------|-----|------|------|------|-------|------|-----------|-----------|-------|
| | | | | | | | | | May-Sept. | Total |
| <u>Area 4B</u> | | | | | | | | | | |
| 1976-1980 | 207 | 33 | 41 | 37 | 44 | 22 | 4 | 37 | 177 | 424 |
| 1981-1985 | 167 | 53 | 43 | 54 | 57 | 16 | 14 | 32 | 224 | 436 |
| 1986-1990 | 167 | 63 | 53 | 75 | 92 | 24 | 2 | 43 | 309 | 520 |
| 1991-1995 | 75 | 35 | 27 | 29 | 64 | 3 | 26 | 26 | 158 | 269 |
| 1996-2000 | 14 | 12 | 14 | 1 | 25 | 6 | - | 2 | 58 | 74 |
| 2001 | 22 | 42 | 33 | 47 | 60 | 23 | - | 5 | 205 | 232 |
| 2002 | 13 | 8 | 12 | 5 | 1 | 0 | - | 3 | 26 | 42 |
| 2003 | 5 | 2 | 1 | 2 | 0 | 3 | - | 2 | 8 | 15 |
| 2004 | 28 | 0 | 12 | 38 | 68 | 22 | - | 107 | 140 | 275 |
| 2005 | 103 | 21 | 32 | 45 | 5 | 3 | - | 206 | 106 | 415 |
| 2006 | 28 | 13 | 157 | 16 | 15 | 10 | - | 39 | 211 | 278 |
| 2007 | 179 | 9 | 29 | 48 | 18 | 0 | - | 129 | 104 | 412 |
| 2008 | 52 | 9 | 21 | 59 | 110 | 13 | - | 51 | 212 | 315 |
| 2009 | 76 | 48 | 202 | 101 | 124 | 4 | - | 20 | 479 | 575 |
| 2010 ^{al} | 145 | 143 | 200 | 25 | 7 | 1 | - | 40 | 376 | 561 |
| 2011 ^{al} | 301 | 68 | 51 | 8 | 1 | 0 | - | 22 | 128 | 451 |
| <u>Neah Bay</u> | | | | | | | | | | |
| 1976-1980 | 2 | 14 | 59 | 93 | 65 | 19 | 2 | 2 | 250 | 257 |
| 1981-1985 | 0 | 11 | 59 | 115 | 140 | 100 | 3 | 0 | 424 | 427 |
| 1986-1990 | 1 | 44 | 52 | 167 | 149 | 75 | 0 | 0 | 486 | 487 |
| 1991-1995 | 0 | 29 | 34 | 83 | 95 | 28 | 0 | 1 | 269 | 271 |
| 1996-2000 | 0 | 18 | 20 | 2 | 52 | 43 | - | 0 | 136 | 136 |
| 2001 | 0 | 11 | 31 | 74 | 112 | 79 | - | 0 | 307 | 307 |
| 2002 | 1 | 23 | 29 | 54 | 44 | 41 | - | 0 | 191 | 192 |
| 2003 | 2 | 21 | 25 | 61 | 53 | 40 | - | 0 | 200 | 202 |
| 2004 | 0 | 26 | 37 | 86 | 78 | 52 | - | 0 | 279 | 279 |
| 2005 | 0 | 67 | 110 | 78 | 133 | 67 | - | 0 | 455 | 455 |
| 2006 | 1 | 78 | 118 | 138 | 112 | 101 | - | 2 | 547 | 550 |
| 2007 | 0 | 13 | 161 | 135 | 125 | 4 | - | 0 | 438 | 438 |
| 2008 | 2 | 14 | 74 | 30 | 83 | 74 | - | 0 | 275 | 277 |
| 2009 | 0 | 27 | 27 | 122 | 112 | 0 | - | 0 | 288 | 288 |
| 2010 ^{al} | 0 | 5 | 94 | 63 | 99 | 42 | - | 0 | 303 | 303 |
| 2011 ^{al} | 0 | 25 | 130 | 122 | 100 | 19 | - | 0 | 396 | 396 |
| <u>La Push^{bl}</u> | | | | | | | | | | |
| 1976-1980 | 0 | 14 | 37 | 54 | 43 | 8 | 0 | 0 | 156 | 156 |
| 1981-1985 | 0 | 10 | 26 | 86 | 93 | 29 | 0 | 0 | 243 | 243 |
| 1986-1990 | 0 | 21 | 39 | 119 | 150 | 37 | - | - | 366 | 366 |
| 1991-1995 | 0 | 3 | 7 | 44 | 100 | 5 | - | - | 160 | 160 |
| 1996-2000 | 0 | 0 | 1 | 0 | 3 | 2 | - | - | 6 | 6 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 2 | - | - | 2 | 2 |
| 2002 | 0 | 0 | 0 | 1 | 2 | 0 | 10 | - | 3 | 13 |
| 2003 | 0 | 0 | 1 | 0 | 0 | 0 | 15 | - | 1 | 16 |
| 2004 | 0 | 0 | 0 | 2 | 2 | 0 | 15 | - | 4 | 19 |
| 2005 | 0 | 1 | 1 | 3 | 3 | 1 | 0 | - | 9 | 9 |
| 2006 | 0 | 2 | 7 | 11 | 8 | 3 | 5 | - | 31 | 36 |
| 2007 | 0 | 0 | 15 | 2 | 13 | 1 | 0 | - | 31 | 31 |
| 2008 | 0 | 4 | 26 | 11 | 9 | 2 | 1 | - | 52 | 53 |
| 2009 | 0 | 2 | 3 | 2 | 6 | 0 | 4 | - | 13 | 17 |
| 2010 ^{al} | 0 | 3 | 1 | 11 | 10 | 2 | 4 | - | 27 | 31 |
| 2011 ^{al} | 0 | 0 | 3 | 0 | 3 | 2 | 1 | - | 8 | 9 |

TABLE A-14. Treaty Indian ocean troll salmon fishing effort in deliveries by catch area and month. (Page 2 of 2)

| Year or Avg. | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct. ^{b/} | Nov.-Dec. | Total May-Sept. | Year Total |
|-------------------------------|-----------|-----|------|------|------|-------|--------------------|-----------|--------------------|---------------|
| <u>Westport</u> | | | | | | | | | | |
| 1976-1980 | 0 | 1 | 1 | 8 | 10 | 0 | 0 | 0 | 20 | 20 |
| 1981-1985 | 0 | 6 | 12 | 30 | 23 | 2 | 0 | 0 | 72 | 72 |
| 1986-1990 | 0 | 10 | 24 | 73 | 68 | 24 | - | - | 199 | 199 |
| 1991-1995 | 0 | 1 | 4 | 26 | 52 | 10 | - | - | 95 | 95 |
| 1996-2000 | 0 | 1 | 2 | 8 | 15 | 3 | - | - | 29 | 29 |
| 2001 | 0 | 0 | 1 | 1 | 0 | 0 | - | - | 2 | 2 |
| 2002 | 0 | 0 | 1 | 1 | 4 | 0 | - | - | 6 | 6 |
| 2003 | 0 | 1 | 0 | 0 | 4 | 2 | - | - | 7 | 7 |
| 2004 | 0 | 1 | 0 | 1 | 4 | 2 | - | - | 8 | 8 |
| 2005 | 0 | 9 | 3 | 0 | 9 | 6 | - | - | 27 | 27 |
| 2006 | 0 | 3 | 3 | 2 | 5 | 3 | - | - | 16 | 16 |
| 2007 | 0 | 0 | 0 | 4 | 11 | 2 | - | - | 17 | 17 |
| 2008 | 0 | 3 | 4 | 2 | 29 | 3 | - | - | 41 | 41 |
| 2009 | 0 | 6 | 6 | 8 | 28 | 1 | - | - | 49 | 49 |
| 2010 ^{a/} | 0 | 7 | 40 | 56 | 32 | 18 | - | - | 153 | 153 |
| 2011 ^{a/} | 0 | 0 | 8 | 15 | 21 | 1 | - | - | 45 | 45 |
| <u>Statewide Total</u> | | | | | | | | | | |
| 1976-1980 | 209 | 61 | 137 | 192 | 162 | 50 | 6 | 39 | 603 | 858 |
| 1981-1985 | 167 | 79 | 141 | 284 | 313 | 146 | 17 | 32 | 963 | 1,179 |
| 1986-1990 | 168 | 138 | 168 | 434 | 460 | 161 | 2 | 43 | 1,360 | 1,572 |
| 1991-1995 | 75 | 69 | 71 | 182 | 311 | 48 | 10 | 27 | 682 | 794 |
| 1996-2000 | 14 | 31 | 38 | 11 | 96 | 53 | - | 2 | 229 | 246 |
| 2001 | 22 | 53 | 65 | 122 | 172 | 104 | - | 5 | 516 | 543 |
| 2002 | 14 | 31 | 42 | 61 | 51 | 41 | 10 | 3 | 226 | 253 |
| 2003 | 7 | 24 | 27 | 63 | 57 | 45 | 15 | 2 | 216 | 240 |
| 2004 | 28 | 27 | 49 | 127 | 152 | 76 | 15 | 107 | 431 | 581 |
| 2005 | 103 | 98 | 146 | 126 | 150 | 77 | 0 | 206 | 597 | 906 |
| 2006 | 29 | 96 | 285 | 167 | 140 | 117 | 5 | 41 | 805 | 880 |
| 2007 | 179 | 22 | 205 | 189 | 167 | 7 | 0 | 129 | 590 | 898 |
| 2008 | 54 | 30 | 125 | 102 | 231 | 92 | 1 | 51 | 580 | 686 |
| 2009 | 76 | 83 | 238 | 233 | 270 | 5 | 4 | 20 | 829 | 929 |
| 2010 ^{a/} | 145 | 158 | 335 | 155 | 148 | 63 | 4 | 40 | 859 | 1,048 |
| 2011 ^{a/} | 301 | 93 | 192 | 145 | 125 | 22 | 1 | 22 | 577 | 901 |

a/ Preliminary.

b/ October effort beginning in 2002 occurred during Quileute ceremonial and subsistence fishery.

TABLE A-15. Treaty Indian ocean troll Chinook and coho salmon landings in numbers of fish by catch area and month. (Page 1 of 3)

| Year or Avg. | CHINOOK | | | | | | | | | | COHO | | | | | | | | | |
|--------------------|-----------|-------|--------|--------|-------|-------|------|-----------|-----------|--------|-----------|-----|-------|--------|--------|--------|------|-----------|-----------|--------|
| | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.-Dec. | May-Sept. | Year | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.-Dec. | May-Sept. | Year |
| Area 4B | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 8,521 | 360 | 641 | 98 | 103 | 27 | 10 | 776 | 1,229 | 10,536 | 406 | 23 | 499 | 191 | 252 | 152 | 5 | 61 | 1,116 | 1,589 |
| 1981-1985 | 13,109 | 1,066 | 248 | 94 | 49 | 29 | 145 | 823 | 1,485 | 15,562 | 42 | 245 | 184 | 825 | 1,015 | 208 | 36 | 7 | 2,476 | 2,561 |
| 1986-1990 | 6,009 | 2,540 | 1,746 | 284 | 323 | 63 | 12 | 2,677 | 4,956 | 13,654 | 9 | 0 | 65 | 2,150 | 7,766 | 813 | 7 | 13 | 10,794 | 10,822 |
| 1991-1995 | 3,549 | 467 | 865 | 60 | 282 | 2 | 147 | 1,068 | 1,677 | 6,323 | 2 | 0 | 0 | 554 | 4,036 | 30 | 257 | 7 | 4,620 | 4,731 |
| 1996-2000 | 694 | 371 | 459 | 25 | 113 | 31 | - | 32 | 1,000 | 1,726 | 0 | 0 | 0 | 0 | 1,221 | 132 | - | 0 | 1,353 | 1,353 |
| 2001 | 1,364 | 1,208 | 4,293 | 928 | 478 | 137 | - | 273 | 7,044 | 8,681 | 0 | 0 | 1 | 2,543 | 3,103 | 730 | - | 1 | 6,377 | 6,378 |
| 2002 | 366 | 467 | 848 | 113 | 31 | 0 | - | 25 | 1,459 | 1,850 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 |
| 2003 | 187 | 25 | 46 | 14 | 0 | 2 | - | 3 | 87 | 277 | 0 | 0 | 0 | 4 | 0 | 141 | - | 0 | 145 | 145 |
| 2004 | 1,555 | 0 | 2,544 | 1,032 | 1,910 | 1,647 | - | 14,588 | 7,133 | 23,276 | 0 | 0 | 0 | 1,958 | 12,817 | 1,829 | - | 108 | 16,604 | 16,712 |
| 2005 | 999 | 238 | 3,764 | 522 | 6 | 6 | - | 3,935 | 4,536 | 9,470 | 3 | 0 | 0 | 2,040 | 64 | 25 | - | 41 | 2,129 | 2,173 |
| 2006 | 157 | 154 | 2,335 | 50 | 93 | 81 | - | 456 | 2,713 | 3,326 | 0 | 1 | 3 | 96 | 22 | 47 | - | 0 | 169 | 169 |
| 2007 | 2,218 | 53 | 324 | 556 | 167 | 0 | - | 1,340 | 1,100 | 4,658 | 0 | 0 | 0 | 1,496 | 29 | 0 | - | 5 | 1,525 | 1,530 |
| 2008 | 483 | 35 | 272 | 618 | 1,607 | 109 | - | 375 | 2,641 | 3,499 | 0 | 0 | 8 | 81 | 483 | 72 | - | 0 | 644 | 644 |
| 2009 | 464 | 481 | 4,528 | 593 | 615 | 12 | - | 68 | 6,229 | 6,761 | 0 | 0 | 0 | 3,319 | 4,555 | 17 | - | 0 | 7,891 | 7,891 |
| 2010 ^{af} | 1,722 | 1,657 | 3,240 | 171 | 37 | 9 | - | 200 | 5,114 | 7,036 | 0 | 0 | 0 | 106 | 3 | 0 | - | 12 | 109 | 121 |
| 2011 ^{af} | 2,889 | 585 | 373 | 46 | 15 | 0 | - | 89 | 1,019 | 3,997 | 2 | 0 | 0 | 10 | 13 | 0 | - | 2 | 23 | 27 |
| Neah Bay | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 8 | 297 | 1,140 | 1,168 | 146 | 16 | 1 | 9 | 2,766 | 2,784 | 1 | 57 | 3,527 | 1,486 | 483 | 256 | 6 | 2 | 5,809 | 5,818 |
| 1981-1985 | 0 | 520 | 1,191 | 2,406 | 673 | 772 | 54 | 11 | 5,561 | 5,626 | 0 | 8 | 4,647 | 9,017 | 16,515 | 13,404 | 18 | 0 | 43,590 | 43,609 |
| 1986-1990 | 6 | 2,604 | 2,317 | 3,114 | 2,657 | 685 | 0 | 0 | 11,376 | 11,382 | 0 | 3 | 106 | 16,829 | 16,934 | 7,241 | 0 | 0 | 41,114 | 41,114 |
| 1991-1995 | 0 | 3,800 | 2,807 | 2,797 | 2,704 | 471 | 0 | 16 | 12,579 | 12,595 | 0 | 1 | 1 | 12,665 | 13,860 | 4,816 | 0 | 1 | 31,342 | 31,343 |
| 1996-2000 | 1 | 2,191 | 5,957 | 353 | 3,368 | 1,809 | - | 17 | 13,679 | 13,697 | 0 | 0 | 0 | 15 | 9,027 | 7,940 | - | 0 | 16,982 | 16,982 |
| 2001 | 0 | 1,070 | 9,047 | 5,438 | 2,510 | 3,171 | - | 0 | 21,236 | 21,236 | 0 | 0 | 11 | 5,967 | 24,881 | 21,335 | - | 0 | 52,194 | 52,194 |
| 2002 | 34 | 4,897 | 10,263 | 11,805 | 8,005 | 3,123 | - | 0 | 38,093 | 38,127 | 0 | 1 | 1 | 3,449 | 4,530 | 9,042 | - | 0 | 17,023 | 17,023 |
| 2003 | 21 | 2,821 | 12,946 | 12,921 | 5,023 | 1,031 | - | 0 | 34,742 | 34,763 | 98 | 3 | 0 | 4,445 | 4,164 | 2,012 | - | 0 | 10,624 | 10,722 |
| 2004 | 0 | 9,809 | 14,433 | 9,670 | 4,978 | 3,387 | - | 0 | 42,277 | 42,277 | 0 | 3 | 3 | 14,114 | 23,814 | 7,361 | - | 0 | 45,295 | 45,295 |
| 2005 | 0 | 4,733 | 14,608 | 4,272 | 7,105 | 3,097 | - | 0 | 33,815 | 33,815 | 0 | 3 | 1 | 1,715 | 15,460 | 3,972 | - | 0 | 21,151 | 21,151 |
| 2006 | 6 | 2,565 | 5,714 | 6,827 | 5,696 | 4,744 | - | 35 | 25,546 | 25,587 | 2 | 15 | 99 | 9,928 | 9,304 | 10,418 | - | 0 | 29,764 | 29,766 |
| 2007 | 0 | 263 | 12,532 | 2,639 | 4,099 | 52 | - | 0 | 19,585 | 19,585 | 0 | 0 | 12 | 20,862 | 14,951 | 745 | - | 0 | 36,570 | 36,570 |
| 2008 | 55 | 242 | 5,694 | 1,066 | 3,119 | 3,071 | - | 0 | 13,192 | 13,247 | 17 | 0 | 8 | 511 | 2,107 | 9,304 | - | 0 | 11,930 | 11,947 |
| 2009 | 0 | 802 | 1,083 | 1,615 | 1,649 | 0 | - | 0 | 5,149 | 5,149 | 0 | 0 | 0 | 21,558 | 23,832 | 0 | - | 0 | 45,390 | 45,390 |
| 2010 ^{af} | 0 | 231 | 8,059 | 5,080 | 8,486 | 957 | - | 0 | 22,813 | 22,813 | 0 | 0 | 13 | 1,304 | 4,580 | 2,882 | - | 0 | 8,779 | 8,779 |
| 2011 ^{af} | 0 | 535 | 7,701 | 14,407 | 4,989 | 359 | - | 0 | 27,991 | 27,991 | 0 | 0 | 0 | 1,949 | 4,193 | 6,174 | - | 0 | 12,316 | 12,316 |

TABLE A-15. Treaty Indian ocean troll Chinook and coho salmon landings in numbers of fish by catch area and month. (Page 2 of 3)

| Year or Avg. | CHINOOK | | | | | | | | | | COHO | | | | | | | | | |
|-----------------------------|-----------|-------|-------|-------|-------|-------|------|-----------|-----------|-------|-----------|-----|-------|-------|-------|-------|------|-----------|-----------|--------|
| | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.-Dec. | May-Sept. | Year | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.-Dec. | May-Sept. | Year |
| <u>La Push^{b/}</u> | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 0 | 118 | 243 | 483 | 142 | 27 | 0 | 0 | 1,013 | 1,013 | 0 | 641 | 3,624 | 1,229 | 482 | 34 | 0 | 0 | 6,010 | 6,010 |
| 1981-1985 | 0 | 243 | 321 | 827 | 508 | 212 | 0 | 0 | 2,112 | 2,112 | 0 | 30 | 2,251 | 5,302 | 6,393 | 2,855 | 0 | 0 | 16,832 | 16,832 |
| 1986-1990 | 0 | 1,062 | 944 | 2,044 | 744 | 259 | - | - | 5,054 | 5,054 | 0 | 0 | 2,694 | 8,430 | 7,021 | 2,250 | - | - | 20,395 | 20,395 |
| 1991-1995 | 0 | 61 | 278 | 465 | 601 | 22 | - | - | 1,428 | 1,428 | 0 | 0 | 0 | 2,863 | 6,123 | 201 | - | - | 9,187 | 9,187 |
| 1996-2000 | 0 | 0 | 16 | 0 | 40 | 7 | - | - | 63 | 63 | 0 | 0 | 0 | 0 | 103 | 95 | - | - | 198 | 198 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 3 | - | - | 3 | 3 | 0 | 0 | 0 | 0 | 24 | - | - | 24 | 24 | |
| 2002 | 0 | 0 | 0 | 124 | 4 | 0 | 30 | - | 128 | 158 | 0 | 0 | 0 | 372 | 0 | 80 | - | 372 | 452 | |
| 2003 | 0 | 0 | 47 | 0 | 0 | 0 | 35 | - | 47 | 82 | 0 | 0 | 0 | 0 | 0 | 85 | - | 0 | 85 | |
| 2004 | 0 | 0 | 0 | 50 | 6 | 0 | 25 | - | 56 | 81 | 0 | 0 | 0 | 61 | 23 | 0 | 100 | 84 | 184 | |
| 2005 | 0 | 258 | 1 | 177 | 188 | 74 | 0 | - | 698 | 698 | 0 | 0 | 0 | 1 | 26 | 36 | 0 | 63 | 63 | |
| 2006 | 0 | 82 | 248 | 825 | 870 | 66 | 15 | - | 2,091 | 2,106 | 0 | 0 | 0 | 446 | 1,272 | 123 | 5 | 1,841 | 1,846 | |
| 2007 | 0 | 0 | 1,773 | 60 | 234 | 5 | 0 | - | 2,072 | 2,072 | 0 | 0 | 0 | 248 | 1,099 | 52 | 0 | 1,399 | 1,399 | |
| 2008 | 0 | 58 | 2,834 | 380 | 888 | 368 | 1 | - | 4,528 | 4,529 | 0 | 0 | 2 | 267 | 297 | 379 | 0 | 945 | 945 | |
| 2009 | 0 | 83 | 99 | 20 | 158 | 25 | 25 | - | 385 | 410 | 0 | 0 | 0 | 102 | 3,060 | 15 | 15 | 3,177 | 3,192 | |
| 2010 ^{a/} | 0 | 6 | 85 | 754 | 700 | 41 | 10 | - | 1,586 | 1,596 | 0 | 2 | 0 | 157 | 226 | 13 | 15 | 398 | 413 | |
| 2011 ^{a/} | 0 | 0 | 457 | 0 | 69 | 46 | 1 | - | 572 | 573 | 0 | 0 | 0 | 0 | 29 | 482 | 0 | 511 | 511 | |
| <u>Westport</u> | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 0 | 12 | 14 | 27 | 24 | 1 | 0 | 0 | 78 | 78 | 0 | 0 | 27 | 10 | 58 | 1 | 0 | 95 | 95 | |
| 1981-1985 | 0 | 321 | 123 | 310 | 105 | 6 | 0 | 0 | 865 | 865 | 0 | 0 | 353 | 1,262 | 561 | 199 | 0 | 2,376 | 2,376 | |
| 1986-1990 | 0 | 671 | 949 | 1,283 | 783 | 241 | - | - | 3,926 | 3,926 | 0 | 0 | 1,391 | 4,901 | 4,221 | 747 | - | 11,260 | 11,260 | |
| 1991-1995 | 0 | 15 | 231 | 188 | 656 | 74 | - | - | 1,165 | 1,165 | 0 | 0 | 0 | 1,138 | 2,019 | 228 | - | 3,385 | 3,385 | |
| 1996-2000 | 0 | 18 | 91 | 67 | 286 | 46 | - | - | 508 | 508 | 0 | 0 | 0 | 0 | 712 | 367 | - | 1,079 | 1,079 | |
| 2001 | 0 | 0 | 365 | 195 | 0 | 0 | - | - | 560 | 560 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | |
| 2002 | 0 | 0 | 95 | 37 | 34 | 0 | - | - | 166 | 166 | 0 | 0 | 0 | 0 | 27 | 0 | - | 27 | 27 | |
| 2003 | 0 | 10 | 0 | 0 | 209 | 77 | - | - | 296 | 296 | 0 | 0 | 0 | 0 | 112 | 61 | - | 173 | 173 | |
| 2004 | 0 | 138 | 0 | 13 | 66 | 52 | - | - | 269 | 269 | 0 | 0 | 0 | 0 | 30 | 84 | - | 114 | 114 | |
| 2005 | 0 | 1,629 | 1 | 0 | 801 | 495 | - | - | 2,926 | 2,926 | 0 | 0 | 0 | 0 | 399 | 255 | - | 654 | 654 | |
| 2006 | 0 | 20 | 44 | 34 | 31 | 66 | - | - | 195 | 195 | 0 | 0 | 0 | 5 | 36 | 123 | - | 164 | 164 | |
| 2007 | 0 | 0 | 0 | 94 | 79 | 13 | - | - | 186 | 186 | 0 | 0 | 0 | 137 | 344 | 63 | - | 544 | 544 | |
| 2008 | 0 | 23 | 64 | 35 | 393 | 31 | - | - | 546 | 546 | 0 | 0 | 0 | 6 | 674 | 65 | - | 745 | 745 | |
| 2009 | 0 | 128 | 118 | 101 | 144 | 0 | - | - | 491 | 491 | 0 | 0 | 0 | 443 | 3,694 | 68 | - | 4,205 | 4,205 | |
| 2010 ^{a/} | 0 | 37 | 766 | 938 | 468 | 624 | - | - | 2,833 | 2,833 | 0 | 0 | 50 | 448 | 249 | 1,390 | - | 2,137 | 2,137 | |
| 2011 ^{a/} | 0 | 0 | 277 | 253 | 1,560 | 13 | - | - | 2,103 | 2,103 | 0 | 0 | 0 | 132 | 566 | 65 | - | 763 | 763 | |

TABLE A-15. Treaty Indian ocean troll Chinook and coho salmon landings in numbers of fish by catch area and month. (Page 3 of 3)

| Year or Avg. | CHINOOK | | | | | | | | | | COHO | | | | | | | | | | |
|------------------------|-----------|-------|--------|--------|-------|-------|------|-----------|-----------|--------|-----------|-----|-------|--------|--------|--------|------|-----------|-----------|--------|--|
| | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.-Dec. | May-Sept. | Year | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.-Dec. | May-Sept. | Year | |
| Statewide Total | | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 8,529 | 787 | 2,037 | 1,776 | 415 | 70 | 11 | 785 | 5,086 | 14,411 | 407 | 720 | 7,677 | 2,915 | 1,275 | 443 | 11 | 63 | 13,030 | 13,512 | |
| 1981-1985 | 13,109 | 2,150 | 1,883 | 3,636 | 1,336 | 1,018 | 198 | 834 | 10,023 | 24,164 | 42 | 283 | 7,435 | 16,406 | 24,484 | 16,666 | 54 | 7 | 65,274 | 65,377 | |
| 1986-1990 | 6,015 | 6,877 | 5,955 | 6,726 | 4,506 | 1,248 | 12 | 2,677 | 25,312 | 34,016 | 9 | 3 | 4,256 | 32,310 | 35,942 | 11,051 | 7 | 13 | 83,563 | 83,591 | |
| 1991-1995 | 3,549 | 4,343 | 4,181 | 3,511 | 4,243 | 571 | 29 | 1,084 | 16,849 | 21,511 | 2 | 1 | 1 | 17,220 | 26,038 | 5,275 | 103 | 8 | 48,535 | 48,647 | |
| 1996-2000 | 695 | 2,580 | 6,524 | 446 | 3,806 | 1,893 | - | 49 | 15,249 | 15,994 | 0 | 0 | 0 | 15 | 11,063 | 8,533 | - | 0 | 19,611 | 19,611 | |
| 2001 | 1,364 | 2,278 | 13,705 | 6,561 | 2,988 | 3,311 | - | 273 | 28,843 | 30,480 | 0 | 0 | 12 | 8,510 | 27,984 | 22,089 | - | 1 | 58,595 | 58,596 | |
| 2002 | 400 | 5,364 | 11,206 | 12,079 | 8,074 | 3,123 | 30 | 25 | 39,846 | 40,301 | 0 | 1 | 1 | 3,449 | 4,929 | 9,042 | 80 | 0 | 17,422 | 17,502 | |
| 2003 | 208 | 2,856 | 13,039 | 12,935 | 5,232 | 1,110 | 35 | 3 | 35,172 | 35,418 | 98 | 3 | 0 | 4,449 | 4,276 | 2,214 | 85 | 0 | 10,942 | 11,125 | |
| 2004 | 1,555 | 9,947 | 16,977 | 10,765 | 6,960 | 5,086 | 25 | 14,588 | 49,735 | 65,903 | 0 | 3 | 3 | 16,133 | 36,684 | 9,274 | 100 | 108 | 62,097 | 62,305 | |
| 2005 | 999 | 6,858 | 18,374 | 4,971 | 8,100 | 3,672 | 0 | 3,935 | 41,975 | 46,909 | 3 | 3 | 1 | 3,756 | 15,949 | 4,288 | 0 | 41 | 23,997 | 24,041 | |
| 2006 | 163 | 2,821 | 8,341 | 7,736 | 6,690 | 4,957 | 15 | 491 | 30,545 | 31,214 | 2 | 16 | 102 | 10,475 | 10,634 | 10,711 | 5 | 0 | 31,938 | 31,945 | |
| 2007 | 2,218 | 316 | 14,629 | 3,349 | 4,579 | 70 | 0 | 1,340 | 22,943 | 26,501 | 0 | 0 | 12 | 22,743 | 16,423 | 860 | 0 | 5 | 40,038 | 40,043 | |
| 2008 | 538 | 358 | 8,864 | 2,099 | 6,007 | 3,579 | 1 | 375 | 20,907 | 21,821 | 17 | 0 | 18 | 865 | 3,561 | 9,820 | 0 | 0 | 14,264 | 14,281 | |
| 2009 | 464 | 1,494 | 5,828 | 2,329 | 2,566 | 37 | 25 | 68 | 12,254 | 12,811 | 0 | 0 | 0 | 25,422 | 35,141 | 100 | 15 | 0 | 60,663 | 60,678 | |
| 2010 ^{a/} | 1,722 | 1,931 | 12,150 | 6,943 | 9,691 | 1,631 | 10 | 200 | 32,346 | 34,278 | 0 | 2 | 63 | 2,015 | 5,058 | 4,285 | 15 | 12 | 11,423 | 11,450 | |
| 2011 ^{a/} | 2,889 | 1,120 | 8,808 | 14,706 | 6,633 | 418 | 1 | 89 | 31,685 | 34,664 | 2 | 0 | 0 | 2,091 | 4,801 | 6,721 | 0 | 2 | 13,613 | 13,617 | |

a/ Preliminary.

b/ October landings beginning in 2002 occurred during Quileute ceremonial and subsistence fishery.

TABLE A-16. Treaty Indian ocean troll pink salmon landings (odd years only) in numbers of fish by catch area and month.
(Page 1 of 2)

| Year or Avg. ^{a/} | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.-Dec. | Total | |
|-------------------------------|-----------|-----|-------|-------|-------|-------|------|-----------|-----------|-------|
| | | | | | | | | | May-Sept. | Year |
| <u>Area 4B</u> | | | | | | | | | | |
| 1977-1979 | 1 | 2 | 267 | 158 | 649 | 16 | 0 | 0 | 1,092 | 1,092 |
| 1981-1985 | 0 | 23 | 2 | 108 | 698 | 7 | 0 | 0 | 838 | 838 |
| 1987-1989 | 0 | 0 | 0 | 1,395 | 643 | 142 | 0 | 0 | 2,179 | 2,179 |
| 1991-1995 | 0 | 0 | 0 | 43 | 1,233 | 2 | 0 | 0 | 1,278 | 1,278 |
| 1997-1999 | 0 | 0 | 0 | 0 | 550 | 7 | - | 0 | 557 | 557 |
| 2001 | 0 | 0 | 0 | 504 | 334 | 15 | - | 0 | 853 | 853 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 |
| 2005 | 0 | 0 | 0 | 154 | 88 | 0 | - | 0 | 242 | 242 |
| 2007 | 0 | 0 | 0 | 82 | 141 | 0 | - | 0 | 223 | 223 |
| 2009 | 0 | 0 | 0 | 189 | 219 | 0 | - | 0 | 408 | 408 |
| 2011 ^{b/} | 0 | 0 | 3 | 55 | 15 | 0 | - | 0 | 73 | 73 |
| <u>Neah Bay</u> | | | | | | | | | | |
| 1977-1979 | 0 | 42 | 91 | 636 | 1,339 | 5 | 0 | 0 | 2,112 | 2,112 |
| 1981-1985 | 0 | 0 | 94 | 1,340 | 6,684 | 302 | 0 | 0 | 8,419 | 8,419 |
| 1987-1989 | 0 | 2 | 4 | 6,553 | 2,901 | 377 | 0 | 0 | 9,837 | 9,837 |
| 1991-1995 | 0 | 0 | 1 | 385 | 4,002 | 249 | 0 | 0 | 4,636 | 4,636 |
| 1997-1999 | 0 | 0 | 0 | 0 | 1,023 | 74 | - | 0 | 1,096 | 1,096 |
| 2001 | 0 | 11 | 0 | 192 | 1,203 | 192 | - | 0 | 1,598 | 1,598 |
| 2003 | 0 | 0 | 0 | 172 | 41 | 23 | - | 0 | 236 | 236 |
| 2005 | 0 | 0 | 0 | 32 | 103 | 3 | - | 0 | 138 | 138 |
| 2007 | 0 | 0 | 7 | 244 | 96 | 0 | - | 0 | 347 | 347 |
| 2009 | 0 | 0 | 0 | 237 | 145 | 0 | - | 0 | 382 | 382 |
| 2011 ^{b/} | 0 | 0 | 3 | 656 | 310 | 16 | - | 0 | 985 | 985 |
| <u>La Push</u> | | | | | | | | | | |
| 1977-1979 | 0 | 5 | 1,192 | 259 | 1,032 | 0 | 0 | 0 | 2,488 | 2,488 |
| 1981-1985 | 0 | 7 | 100 | 654 | 418 | 12 | 0 | 0 | 1,191 | 1,191 |
| 1987-1989 | 0 | 3 | 6 | 625 | 667 | 65 | - | - | 1,365 | 1,365 |
| 1991-1995 | 0 | 0 | 0 | 65 | 277 | 10 | - | - | 353 | 353 |
| 1997-1999 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| 2005 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | - | 1 | 1 |
| 2007 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | - | 14 | 14 |
| 2009 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | - | 5 | 5 |
| 2011 ^{b/} | 0 | 0 | 0 | 0 | 4 | 0 | 0 | - | 4 | 4 |

TABLE A-16. Treaty Indian ocean troll pink salmon landings (odd years only) in numbers of fish by catch area and month.
(Page 2 of 2)

| Year or Avg. ^{a/} | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.-Dec. | Total | |
|-------------------------------|-----------|-----|-------|-------|-------|-------|------|-----------|-----------|--------|
| | | | | | | | | | May-Sept. | Year |
| Westport | | | | | | | | | | |
| 1977-1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981-1985 | 0 | 1 | 18 | 106 | 6 | 0 | 0 | 0 | 132 | 132 |
| 1987-1989 | 0 | 0 | 0 | 419 | 44 | 8 | - | - | 471 | 471 |
| 1991-1995 | 0 | 0 | 0 | 7 | 6 | 0 | - | - | 13 | 13 |
| 1997-1999 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |
| 2005 | 0 | 0 | 0 | 0 | 6 | 0 | - | - | 6 | 6 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |
| 2009 | 0 | 0 | 0 | 4 | 1 | 0 | - | - | 5 | 5 |
| 2011 ^{b/} | 0 | 0 | 0 | 4 | 5 | 0 | - | - | 9 | 9 |
| Total Statewide | | | | | | | | | | |
| 1977-1979 | 1 | 49 | 1,550 | 1,053 | 3,019 | 21 | 0 | 0 | 5,691 | 5,692 |
| 1981-1985 | 0 | 32 | 214 | 2,208 | 7,806 | 320 | 0 | 0 | 10,580 | 10,580 |
| 1987-1989 | 0 | 5 | 10 | 8,991 | 4,254 | 591 | 0 | 0 | 13,851 | 13,851 |
| 1991-1995 | 0 | 0 | 1 | 499 | 5,519 | 261 | 0 | 0 | 6,280 | 6,280 |
| 1997-1999 | 0 | 0 | 0 | 0 | 1,573 | 81 | - | 0 | 1,653 | 1,653 |
| 2001 | 0 | 11 | 0 | 696 | 1,537 | 207 | - | 0 | 2,451 | 2,451 |
| 2003 | 0 | 0 | 0 | 172 | 41 | 23 | 0 | 0 | 236 | 236 |
| 2005 | 0 | 0 | 0 | 186 | 198 | 3 | 0 | 0 | 387 | 387 |
| 2007 | 0 | 0 | 7 | 326 | 251 | 0 | 0 | 0 | 584 | 584 |
| 2009 | 0 | 0 | 0 | 431 | 369 | 0 | 0 | 0 | 800 | 800 |
| 2011 ^{b/} | 0 | 0 | 6 | 715 | 334 | 16 | 0 | 0 | 1,071 | 1,071 |

a/ Odd year averages only.

b/ Preliminary.

TABLE A-17. Washington ocean recreational salmon fishing effort in angler trips by port and statistical month. (Page 1 of 2)

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|-------------------------|-------|--------|--------|--------|--------|--------|-------|---------|
| <u>Neah Bay</u> | | | | | | | | |
| 1976-1980 | 746 | 1,094 | 4,100 | 13,027 | 17,885 | 6,974 | 529 | 44,206 |
| 1981-1985 | 80 | 557 | 979 | 9,338 | 13,391 | 3,382 | 126 | 27,495 |
| 1986-1990 | - | 431 | 491 | 13,953 | 7,341 | 2,193 | - | 23,175 |
| 1991-1995 ^{a/} | - | 1,258 | 4 | 12,553 | 9,455 | 994 | - | 20,494 |
| 1996-2000 ^{a/} | - | - | - | 3,462 | 5,345 | 1,098 | - | 8,301 |
| 2001 | - | - | - | 10,450 | 6,516 | 981 | - | 17,947 |
| 2002 | - | 576 | 2,533 | 3,957 | 5,467 | 1,151 | - | 13,684 |
| 2003 | - | - | 1,372 | 10,109 | 8,071 | 897 | - | 20,449 |
| 2004 | - | - | 435 | 14,337 | 10,376 | 993 | - | 26,141 |
| 2005 | - | - | - | 11,462 | 4,977 | 1,972 | - | 18,410 |
| 2006 | - | - | 946 | 6,600 | 4,935 | 928 | - | 13,409 |
| 2007 | - | - | - | 6,945 | 5,731 | 691 | - | 13,367 |
| 2008 | - | - | 1,066 | 2,475 | 2,582 | 247 | - | 6,370 |
| 2009 | - | - | 225 | 6,436 | 8,608 | 1,202 | - | 16,471 |
| 2010 | - | - | 1,239 | 5,701 | 3,803 | 807 | - | 11,549 |
| 2011 ^{b/} | - | - | 638 | 5,500 | 4,259 | 671 | - | 11,069 |
| <u>La Push</u> | | | | | | | | |
| 1976-1980 | 24 | 344 | 1,341 | 7,932 | 11,716 | 3,916 | 436 | 24,736 |
| 1981-1985 | - | 0 | 77 | 1,119 | 2,075 | 231 | 239 | 3,332 |
| 1986-1990 | - | 66 | 60 | 1,768 | 749 | 154 | 113 | 2,478 |
| 1991-1995 | - | - | - | 2,236 | 548 | 480 | 8 | 2,587 |
| 1996-2000 | - | - | - | 1,060 | 666 | 588 | - | 1,537 |
| 2001 | - | - | - | 1,941 | 960 | 247 | 239 | 3,387 |
| 2002 | - | 59 | 231 | 1,089 | 1,350 | 568 | 113 | 3,410 |
| 2003 | - | - | 244 | 1,774 | 1,595 | 628 | 128 | 4,369 |
| 2004 | - | - | 123 | 1,883 | 1,484 | 1,053 | 20 | 4,563 |
| 2005 | - | - | - | 1,867 | 2,039 | 895 | 160 | 4,961 |
| 2006 | - | - | 173 | 1,029 | 1,943 | 740 | 258 | 4,143 |
| 2007 | - | - | - | 989 | 1,640 | 639 | 0 | 3,268 |
| 2008 | - | - | 281 | 535 | 709 | 508 | 38 | 2,071 |
| 2009 | - | - | 102 | 1,462 | 2,700 | 601 | 212 | 5,077 |
| 2010 | - | - | 390 | 838 | 1,940 | 513 | 154 | 3,836 |
| 2011 ^{b/} | - | - | 194 | 1,406 | 1,946 | 676 | 16 | 4,237 |
| <u>Westport</u> | | | | | | | | |
| 1976-1980 | 4,720 | 12,340 | 37,368 | 66,487 | 66,306 | 23,133 | 3,454 | 210,286 |
| 1981-1985 | - | 3,607 | 20,142 | 34,172 | 23,472 | 2,602 | 208 | 78,766 |
| 1986-1990 | - | 1,451 | 3,663 | 30,256 | 15,991 | 5,000 | 40 | 52,492 |
| 1991-1995 | - | - | 4,955 | 20,127 | 15,146 | 8,072 | 706 | 44,760 |
| 1996-2000 | - | - | - | 7,529 | 8,354 | 1,951 | - | 15,938 |
| 2001 | - | - | - | 25,363 | 16,256 | 8,063 | - | 49,682 |
| 2002 | - | 1,861 | 10,849 | 16,358 | 12,343 | - | - | 41,411 |
| 2003 | - | - | 4,278 | 20,747 | 18,302 | 4,722 | - | 48,049 |
| 2004 | - | - | 1,455 | 15,722 | 15,045 | 5,967 | - | 38,189 |
| 2005 | - | - | 1,119 | 12,560 | 15,488 | 6,003 | - | 35,170 |
| 2006 | - | - | - | 8,857 | 13,802 | 1,883 | - | 24,541 |
| 2007 | - | - | - | 9,548 | 14,143 | 2,225 | - | 25,916 |
| 2008 | - | - | 2,660 | 8,381 | 5,880 | 1,809 | - | 18,731 |
| 2009 | - | - | 777 | 10,217 | 21,238 | 5,599 | - | 37,831 |
| 2010 | - | - | 7,822 | 11,841 | 13,804 | 4,961 | - | 38,428 |
| 2011 ^{b/} | - | - | 4,705 | 10,428 | 14,973 | 3,440 | - | 33,545 |

TABLE A-17. Washington ocean recreational salmon fishing effort in angler trips by port and statistical month. (Page 2 of 2)

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|-------------------------------------|-------|--------|--------|---------|---------|--------|-------|---------|
| Ilwaco^{c/} | | | | | | | | |
| 1976-1980 | 914 | 4,670 | 20,809 | 41,988 | 62,372 | 18,676 | 2,127 | 150,581 |
| 1981-1985 | - | 921 | 7,560 | 23,249 | 21,383 | 3,652 | 721 | 53,751 |
| 1986-1990 | - | 298 | 1,641 | 19,733 | 19,450 | 1,782 | - | 41,268 |
| 1991-1995 | - | - | 1,660 | 17,100 | 11,766 | 7,412 | - | 37,108 |
| 1996-2000 | - | - | - | 4,775 | 7,041 | 3,037 | - | 12,683 |
| 2001 | - | - | - | 21,097 | 25,229 | 9,060 | - | 55,386 |
| 2002 | - | 215 | 1,290 | 9,004 | 18,137 | 8,016 | - | 36,662 |
| 2003 | - | - | 455 | 15,033 | 29,574 | 6,938 | - | 52,000 |
| 2004 | - | - | 597 | 11,662 | 23,716 | 7,836 | - | 43,811 |
| 2005 | - | - | - | 6,070 | 18,968 | 7,016 | - | 32,054 |
| 2006 | - | - | - | 5,740 | 15,480 | 1,950 | - | 23,170 |
| 2007 | - | - | - | 7,486 | 20,350 | 2,295 | - | 30,132 |
| 2008 | - | - | 777 | 4,506 | 5,156 | - | - | 10,439 |
| 2009 | - | - | 193 | 10,271 | 30,247 | 1,470 | - | 42,181 |
| 2010 | - | - | 557 | 7,165 | 17,349 | 2,070 | - | 27,141 |
| 2011 ^{b/} | - | - | 674 | 5,358 | 15,127 | 3,586 | - | 24,744 |
| Total Statewide^{c/} | | | | | | | | |
| 1976-1980 | 3,574 | 18,447 | 63,618 | 129,433 | 158,279 | 51,916 | 5,256 | 429,809 |
| 1981-1985 | 80 | 4,067 | 22,991 | 67,877 | 60,321 | 7,746 | 436 | 163,344 |
| 1986-1990 | - | 1,339 | 5,840 | 65,710 | 43,382 | 5,090 | 40 | 119,412 |
| 1991-1995 ^{a/} | - | 1,258 | 4,140 | 48,319 | 36,915 | 16,837 | 714 | 104,949 |
| 1996-2000 ^{a/} | - | - | - | 15,695 | 21,407 | 4,496 | - | 38,459 |
| 2001 | - | - | - | 58,851 | 48,961 | 18,351 | 239 | 126,402 |
| 2002 | - | 2,711 | 14,903 | 30,408 | 37,297 | 9,735 | 113 | 95,167 |
| 2003 | - | - | 6,349 | 47,663 | 57,542 | 13,185 | 128 | 124,867 |
| 2004 | - | - | 2,610 | 43,604 | 50,621 | 15,849 | 20 | 112,704 |
| 2005 | - | - | 1,119 | 31,959 | 41,472 | 15,886 | 160 | 90,595 |
| 2006 | - | - | 1,119 | 22,226 | 36,159 | 5,501 | 258 | 65,263 |
| 2007 | - | - | - | 24,968 | 41,865 | 5,851 | 0 | 72,683 |
| 2008 | - | - | 4,784 | 15,898 | 14,327 | 2,564 | 38 | 37,610 |
| 2009 | - | - | 1,297 | 28,386 | 62,792 | 8,872 | 212 | 101,560 |
| 2010 | - | - | 10,008 | 25,546 | 36,896 | 8,351 | 154 | 80,955 |
| 2011 ^{b/} | - | - | 6,211 | 22,692 | 36,305 | 8,372 | 16 | 73,596 |

a/ Includes effort from the Washington State waters Area 4B fishery (none in 1994 or 1999).

b/ Preliminary.

c/ Includes effort from the North Jetty when the ocean fishery was open; does not include effort reported as occurring inside the Columbia River mouth (North Jetty effort when the ocean fishery was closed and Buoy 10 was open).

TABLE A-18. Washington ocean recreational Chinook and coho salmon landings in numbers of fish by port of landing and statistical month. (Page 1 of 3)

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|-------------------------|----------------|-----|-------|-------|-------|-------|------|--------|-------------|-----|-------|--------|--------|-------|------|--------|
| | CHINOOK | | | | | | | | COHO | | | | | | | |
| <u>Neah Bay</u> | | | | | | | | | | | | | | | | |
| 1976-1980 | 318 | 534 | 1,197 | 2,438 | 1,424 | 617 | 96 | 6,334 | 213 | 537 | 3,363 | 11,424 | 20,652 | 7,761 | 252 | 44,158 |
| 1981-1985 | 57 | 149 | 234 | 1,293 | 483 | 194 | 35 | 2,224 | 80 | 338 | 639 | 8,878 | 16,452 | 3,414 | 150 | 29,436 |
| 1986-1990 ^{a/} | - | 114 | 143 | 2,554 | 358 | 35 | - | 2,963 | - | - | 384 | 15,896 | 11,629 | 3,446 | - | 29,747 |
| 1991-1995 ^{b/} | - | 148 | - | 1,443 | 232 | 62 | - | 1,420 | - | 40 | - | 15,654 | 13,052 | 991 | - | 25,804 |
| 1996-2000 ^{b/} | - | - | - | 396 | 68 | 5 | - | 267 | - | - | - | 1,686 | 5,023 | 1,782 | - | 7,103 |
| 2001 | - | - | - | 1,103 | 366 | 54 | - | 1,523 | - | - | - | 9,840 | 6,936 | 1,101 | - | 17,877 |
| 2002 | - | 234 | 1,225 | 3,004 | 757 | 7 | - | 5,227 | - | - | - | 1,792 | 5,419 | 1,185 | - | 8,396 |
| 2003 | - | - | 589 | 3,071 | 997 | 40 | - | 4,697 | - | - | 785 | 9,104 | 8,721 | 1,139 | - | 19,749 |
| 2004 | - | - | 235 | 4,117 | 1,090 | 73 | - | 5,515 | - | - | 361 | 14,188 | 13,846 | 1,005 | - | 29,400 |
| 2005 | - | - | - | 2,254 | 316 | 213 | - | 2,784 | - | - | - | 7,033 | 2,420 | 765 | - | 10,218 |
| 2006 | - | - | 166 | 734 | 443 | 73 | - | 1,417 | - | - | 380 | 3,763 | 1,570 | 309 | - | 6,023 |
| 2007 | - | - | - | 1,179 | 245 | 47 | - | 1,471 | - | - | - | 4,981 | 4,997 | 631 | - | 10,608 |
| 2008 ^{b/} | - | - | 311 | 725 | 317 | 3 | - | 1,357 | - | - | - | 679 | 1,459 | 23 | - | 2,161 |
| 2009 | - | - | 51 | 1,277 | 1,071 | 47 | - | 2,447 | - | - | 118 | 4,807 | 7,500 | 912 | - | 13,336 |
| 2010 | - | - | 144 | 1,573 | 1,453 | 129 | - | 3,299 | - | - | 1 | 1,926 | 1,609 | 150 | - | 3,687 |
| 2011 ^{c/} | - | - | 257 | 1,382 | 1,330 | 14 | - | 2,983 | - | - | 54 | 1,918 | 943 | 140 | - | 3,054 |
| <u>La Push</u> | | | | | | | | | | | | | | | | |
| 1976-1980 | 0 | 8 | 161 | 948 | 1,318 | 410 | 135 | 2,844 | 22 | 271 | 1,671 | 8,586 | 15,198 | 3,879 | 43 | 28,864 |
| 1981-1985 | - | 0 | 7 | 132 | 166 | 8 | - | 304 | - | 0 | 72 | 861 | 2,786 | 251 | - | 3,791 |
| 1986-1990 ^{a/} | - | 9 | 10 | 303 | 93 | 15 | - | 391 | - | - | 37 | 2,129 | 1,026 | 125 | - | 3,022 |
| 1991-1995 | - | - | - | 215 | 31 | 29 | 2 | 207 | - | - | - | 2,766 | 606 | 444 | 2 | 3,014 |
| 1996-2000 | - | - | - | 188 | 125 | 54 | - | 259 | - | - | - | 894 | 732 | 704 | - | 1,550 |
| 2001 | - | - | - | 324 | 100 | 60 | 100 | 584 | - | - | - | 1,785 | 1,357 | 153 | 15 | 3,310 |
| 2002 | - | 7 | 123 | 1,132 | 579 | 92 | 43 | 1,976 | - | - | - | 492 | 1,010 | 146 | 4 | 1,652 |
| 2003 | - | - | 128 | 785 | 802 | 111 | 62 | 1,888 | - | - | 136 | 1,564 | 1,502 | 193 | 12 | 3,407 |
| 2004 | - | - | 38 | 853 | 529 | 404 | 6 | 1,830 | - | - | 37 | 1,437 | 1,266 | 420 | 3 | 3,163 |
| 2005 | - | - | - | 605 | 694 | 309 | 43 | 1,651 | - | - | - | 274 | 1,395 | 633 | 18 | 2,320 |
| 2006 | - | - | 36 | 247 | 955 | 342 | 91 | 1,670 | - | - | 36 | 744 | 1,041 | 61 | 2 | 1,884 |
| 2007 | - | - | - | 132 | 348 | 116 | 0 | 595 | - | - | - | 758 | 1,869 | 142 | 0 | 2,769 |
| 2008 | - | - | 80 | 244 | 300 | 106 | 6 | 736 | - | - | - | 102 | 273 | 165 | 1 | 541 |
| 2009 | - | - | 7 | 194 | 329 | 53 | 97 | 680 | - | - | 165 | 1,944 | 4,317 | 377 | 92 | 6,896 |
| 2010 | - | - | 38 | 294 | 715 | 86 | 45 | 1,177 | - | - | - | 211 | 709 | 223 | 37 | 1,180 |
| 2011 ^{c/} | - | - | 32 | 501 | 907 | 90 | 5 | 1,535 | - | - | 48 | 572 | 1,029 | 398 | 2 | 2,050 |

TABLE A-18. Washington ocean recreational Chinook and coho salmon landings in numbers of fish by port of landing and statistical month. (Page 2 of 3)

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|----------------------------|----------------|-------|--------|--------|--------|-------|------|--------|-------------|--------|--------|--------|--------|--------|-------|---------|
| | CHINOOK | | | | | | | | COHO | | | | | | | |
| <u>Westport</u> | | | | | | | | | | | | | | | | |
| 1976-1980 | 2,826 | 5,744 | 20,759 | 18,019 | 15,844 | 5,707 | 929 | 67,945 | 161 | 12,374 | 43,808 | 89,416 | 63,127 | 21,910 | 2,274 | 232,518 |
| 1981-1985 | - | 2,328 | 16,253 | 17,397 | 7,513 | 407 | 17 | 40,102 | - | 2,457 | 11,790 | 27,665 | 22,997 | 3,371 | 34 | 63,289 |
| 1986-1990 | - | 667 | 1,539 | 10,334 | 5,012 | 1,692 | - | 17,387 | - | 19 | 2,220 | 40,125 | 23,296 | 7,004 | 45 | 69,421 |
| 1991-1995 | - | - | 1,911 | 3,062 | 2,764 | 1,496 | 213 | 7,853 | - | - | 6,781 | 24,170 | 19,803 | 8,578 | 322 | 54,327 |
| 1996-2000 | - | - | - | 1,908 | 1,667 | 585 | - | 3,544 | - | - | - | 8,644 | 9,155 | 1,241 | - | 17,062 |
| 2001 | - | - | - | 12,205 | 2,758 | 782 | - | 15,745 | - | - | - | 31,372 | 25,115 | 12,909 | - | 69,396 |
| 2002 | - | 2,313 | 13,877 | 17,848 | 8,548 | - | - | 42,586 | - | 5 | 271 | 8,043 | 10,762 | - | - | 19,081 |
| 2003 | - | - | 1,972 | 9,103 | 8,953 | 1,786 | - | 21,814 | - | - | 2,714 | 14,882 | 17,343 | 4,328 | - | 39,267 |
| 2004 | - | - | 254 | 4,087 | 5,358 | 1,647 | - | 11,340 | - | - | 1,183 | 7,060 | 12,476 | 8,617 | - | 29,336 |
| 2005 | - | - | 364 | 5,245 | 12,179 | 4,585 | - | 22,373 | - | - | 126 | 3,139 | 4,869 | 2,374 | - | 10,508 |
| 2006 | - | - | - | 2,293 | 3,125 | 398 | - | 5,815 | - | - | - | 2,008 | 5,675 | 1,096 | - | 8,779 |
| 2007 | - | - | - | 2,494 | 2,545 | 208 | - | 5,247 | - | - | - | 7,289 | 14,055 | 1,648 | - | 22,992 |
| 2008 | - | - | 2,145 | 4,459 | 2,735 | 305 | - | 9,644 | - | - | 30 | 2,550 | 3,383 | 1,564 | - | 7,528 |
| 2009 | - | - | 124 | 2,080 | 2,594 | 225 | - | 5,023 | - | - | 539 | 10,745 | 33,181 | 9,403 | - | 53,868 |
| 2010 | - | - | 4,711 | 9,948 | 10,586 | 1,744 | - | 26,989 | - | - | 45 | 3,680 | 3,957 | 4,925 | - | 12,607 |
| 2011 ^{c/} | - | - | 2,220 | 5,579 | 10,835 | 455 | - | 19,089 | - | - | 229 | 4,499 | 6,723 | 2,392 | - | 13,843 |
| <u>Ilwaco^{d/}</u> | | | | | | | | | | | | | | | | |
| 1976-1980 | 286 | 2,019 | 9,143 | 7,497 | 15,789 | 2,261 | 182 | 36,969 | 493 | 5,627 | 40,398 | 69,166 | 65,240 | 23,882 | 2,221 | 206,286 |
| 1981-1985 | - | 214 | 3,364 | 4,545 | 4,505 | 279 | 40 | 12,031 | - | 5,410 | 10,296 | 36,373 | 26,437 | 5,982 | 825 | 75,883 |
| 1986-1990 | - | 111 | 233 | 1,793 | 3,302 | 76 | - | 5,334 | - | - | 2,638 | 32,864 | 27,048 | 2,114 | - | 62,868 |
| 1991-1995 | - | - | 86 | 704 | 736 | 194 | - | 1,677 | - | - | 2,733 | 25,600 | 14,459 | 6,796 | - | 48,220 |
| 1996-2000 | - | - | - | 356 | 561 | 129 | - | 923 | - | - | - | 7,157 | 8,380 | 2,707 | - | 15,730 |
| 2001 | - | - | - | 2,253 | 2,300 | 569 | - | 5,122 | - | - | - | 32,325 | 34,359 | 10,795 | - | 77,479 |
| 2002 | - | 53 | 1,927 | 3,380 | 2,571 | 101 | - | 8,032 | - | - | 30 | 10,136 | 23,997 | 10,842 | - | 45,005 |
| 2003 | - | - | 44 | 1,498 | 3,561 | 681 | - | 5,784 | - | - | 600 | 24,359 | 43,757 | 7,957 | - | 76,673 |
| 2004 | - | - | 22 | 765 | 4,039 | 1,396 | - | 6,222 | - | - | 935 | 17,203 | 27,040 | 5,859 | - | 51,037 |
| 2005 | - | - | - | 1,174 | 7,002 | 1,385 | - | 9,561 | - | - | - | 7,000 | 17,066 | 4,658 | - | 28,724 |
| 2006 | - | - | - | 478 | 1,148 | 140 | - | 1,765 | - | - | - | 6,533 | 12,222 | 646 | - | 19,401 |
| 2007 | - | - | - | 292 | 1,225 | 114 | - | 1,631 | - | - | - | 12,170 | 32,559 | 2,689 | - | 47,419 |
| 2008 | - | - | 474 | 1,166 | 1,258 | - | - | 2,898 | - | - | 330 | 3,337 | 4,973 | - | - | 8,640 |
| 2009 | - | - | 10 | 925 | 3,239 | 28 | - | 4,202 | - | - | 334 | 17,246 | 45,207 | 1,605 | - | 64,392 |
| 2010 | - | - | 106 | 1,485 | 3,588 | 229 | - | 5,409 | - | - | 1 | 6,430 | 11,725 | 650 | - | 18,805 |
| 2011 ^{c/} | - | - | 352 | 808 | 4,107 | 329 | - | 5,596 | - | - | 289 | 5,104 | 12,678 | 2,564 | - | 20,634 |

TABLE A-18. Washington ocean recreational Chinook and coho salmon landings in numbers of fish by port of landing and statistical month. (Page 3 of 3)

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|-------------------------------------|---------|-------|--------|--------|--------|-------|-------|---------|------|--------|--------|---------|---------|--------|-------|---------|
| | CHINOOK | | | | | | | | COHO | | | | | | | |
| Total Statewide^{d/} | | | | | | | | | | | | | | | | |
| 1976-1980 | 2,392 | 8,304 | 31,259 | 28,901 | 34,375 | 8,790 | 1,285 | 114,092 | 551 | 18,809 | 89,239 | 178,591 | 164,217 | 56,656 | 3,873 | 511,827 |
| 1981-1985 | 57 | 2,153 | 15,884 | 23,367 | 12,667 | 645 | 46 | 54,662 | 80 | 2,961 | 22,620 | 73,777 | 68,672 | 9,800 | 436 | 172,399 |
| 1986-1990 ^{a/} | - | 901 | 1,886 | 14,984 | 8,674 | 1,212 | - | 26,075 | - | 19 | 5,077 | 91,015 | 62,794 | 7,165 | 45 | 165,058 |
| 1991-1995 ^{b/} | - | 148 | 1,041 | 5,009 | 3,756 | 1,743 | 215 | 11,156 | - | 40 | 6,124 | 63,585 | 47,920 | 16,697 | 324 | 131,364 |
| 1996-2000 ^{b/} | - | - | - | 2,603 | 2,407 | 564 | - | 4,940 | - | - | - | 17,736 | 23,289 | 3,967 | - | 41,445 |
| 2001 | - | - | - | 15,885 | 5,524 | 1,465 | 100 | 22,974 | - | - | - | 75,322 | 67,767 | 24,958 | 15 | 168,062 |
| 2002 | - | 2,607 | 17,152 | 25,364 | 12,455 | 200 | 43 | 57,821 | - | 5 | 301 | 20,463 | 41,188 | 12,173 | 4 | 74,134 |
| 2003 | - | - | 2,733 | 14,457 | 14,313 | 2,618 | 62 | 34,183 | - | - | 4,235 | 49,909 | 71,323 | 13,617 | 12 | 139,096 |
| 2004 | - | - | 549 | 9,822 | 11,016 | 3,520 | 6 | 24,907 | - | - | 2,516 | 39,888 | 54,628 | 15,901 | 3 | 112,936 |
| 2005 | - | - | 364 | 9,278 | 20,191 | 6,492 | 43 | 36,369 | - | - | 126 | 17,446 | 25,750 | 8,430 | 18 | 51,770 |
| 2006 | - | - | 202 | 3,751 | 5,670 | 953 | 91 | 10,667 | - | - | 416 | 13,047 | 20,509 | 2,112 | 2 | 36,087 |
| 2007 | - | - | - | 4,097 | 4,362 | 485 | 0 | 8,944 | - | - | - | 25,198 | 53,479 | 5,110 | 0 | 83,788 |
| 2008 | - | - | 3,011 | 6,594 | 4,611 | 414 | 6 | 14,635 | - | - | 360 | 6,669 | 10,088 | 1,752 | 1 | 18,870 |
| 2009 | - | - | 192 | 4,476 | 7,233 | 353 | 97 | 12,351 | - | - | 1,157 | 34,742 | 90,204 | 12,297 | 92 | 138,493 |
| 2010 | - | - | 5,000 | 13,299 | 16,341 | 2,189 | 45 | 36,874 | - | - | 47 | 12,247 | 17,999 | 5,947 | 37 | 36,278 |
| 2011 ^{c/} | - | - | 2,861 | 8,271 | 17,178 | 889 | 5 | 29,203 | - | - | 620 | 12,093 | 21,372 | 5,494 | 2 | 39,582 |

a/ Neah Bay and La Push statistics do not include estimates of 707 Chinook killed during Chinook nonretention fishery (July 19-August 20, 1987).

b/ Includes catch from the Washington State waters Area 4B fishery in 1991, 1992, 1993, 1996, 1997, 1998, 2000, and 2008.

c/ Preliminary.

d/ Includes catch from the North Jetty when the ocean fishery was open; does not include catch reported as occurring inside the Columbia River mouth (North Jetty catch when the ocean fishery was closed, and Buoy 10 was open).

TABLE A-19. Washington ocean recreational pink salmon landings in numbers of fish by port of landing and statistical month.
(Page 1 of 2)

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|--------------------|------|-----|-------|--------|-------|-------|------|--------|
| <u>Neah Bay</u> | | | | | | | | |
| 1977 | 0 | 0 | 15 | 1,667 | 8,714 | 89 | 0 | 10,485 |
| 1979 | 17 | 1 | 308 | 2,375 | 8,408 | 646 | 24 | 11,779 |
| 1981 | - | 18 | 7 | 1,787 | 5,965 | - | 27 | 7,804 |
| 1983 | - | - | - | 409 | 3,605 | 154 | - | 4,168 |
| 1985 | - | - | 0 | 143 | 1,071 | 9 | - | 1,223 |
| 1987 | - | - | 6 | 686 | 713 | - | - | 1,405 |
| 1989 ^{al} | - | 0 | 0 | 1,443 | 295 | 202 | - | 1,940 |
| 1991 ^{al} | - | - | - | 479 | 1,543 | 0 | - | 2,022 |
| 1993 ^{al} | - | 0 | - | 609 | 1,264 | 371 | - | 2,244 |
| 1995 | - | - | - | - | 2,578 | 30 | - | 2,608 |
| 1997 ^{al} | - | - | - | 79 | 498 | - | - | 577 |
| 1999 | - | - | - | 730 | 1,165 | 81 | - | 1,976 |
| 2001 | - | - | - | 1,715 | 1,081 | 3 | - | 2,799 |
| 2003 | - | - | 6 | 2,863 | 5,136 | 120 | - | 8,125 |
| 2005 | - | - | - | 1,456 | 1,375 | 62 | - | 2,893 |
| 2007 | - | - | - | 1,268 | 2,766 | 0 | - | 4,033 |
| 2009 | - | - | 9 | 2,591 | 4,266 | 270 | - | 7,136 |
| 2011 ^{b/} | - | - | 33 | 3,320 | 3,960 | 159 | - | 7,473 |
| <u>La Push</u> | | | | | | | | |
| 1977 | 0 | 0 | 40 | 600 | 2,328 | 8 | 0 | 2,976 |
| 1979 | - | 1 | 16 | 259 | 1,529 | 0 | - | 1,805 |
| 1981 | - | 0 | 0 | 0 | 336 | - | - | 336 |
| 1983 | - | - | - | 7 | 253 | 1 | - | 261 |
| 1985 | - | - | 0 | 9 | 33 | 0 | - | 42 |
| 1987 | - | - | 0 | 12 | 37 | - | - | 49 |
| 1989 | - | 0 | 0 | 0 | - | - | - | 0 |
| 1991 | - | - | - | 46 | - | - | - | 46 |
| 1993 | - | - | - | 46 | 34 | 4 | - | 84 |
| 1995 | - | - | - | - | 78 | 11 | - | 89 |
| 1997 | - | - | - | 195 | 0 | - | - | 195 |
| 1999 | - | - | - | 87 | 47 | 0 | - | 134 |
| 2001 | - | - | - | 129 | 32 | - | - | 161 |
| 2003 | - | - | 4 | 419 | 459 | 23 | 0 | 905 |
| 2005 | - | - | - | 41 | 167 | 2 | 0 | 210 |
| 2007 | - | - | - | 42 | 84 | 0 | 0 | 126 |
| 2009 | - | - | 6 | 148 | 77 | 0 | 0 | 231 |
| 2011 ^{b/} | - | - | 4 | 520 | 929 | 67 | 0 | 1,520 |
| <u>Westport</u> | | | | | | | | |
| 1977 | 0 | 303 | 1,424 | 11,649 | 909 | 10 | 0 | 14,295 |
| 1979 | - | 40 | 748 | 990 | 2,188 | 0 | - | 3,966 |
| 1981 | - | 31 | 177 | 771 | 717 | - | - | 1,696 |
| 1983 | - | 0 | 2 | 26 | 0 | 2 | - | 30 |
| 1985 | - | - | 0 | 695 | 907 | 4 | - | 1,606 |
| 1987 | - | - | 0 | 183 | 45 | - | - | 228 |
| 1989 | - | 0 | 0 | 28 | 45 | - | - | 73 |
| 1991 | - | - | 0 | 43 | 33 | 4 | - | 80 |
| 1993 | - | - | - | 33 | 35 | 2 | - | 70 |
| 1995 | - | - | - | 40 | 51 | 2 | - | 93 |
| 1997 | - | - | - | 520 | 96 | 22 | - | 638 |
| 1999 | - | - | - | 35 | 40 | 0 | - | 75 |
| 2001 | - | - | - | 782 | 136 | - | - | 918 |
| 2003 | - | - | 12 | 3,559 | 756 | 32 | - | 4,359 |
| 2005 | - | - | 0 | 26 | 128 | 0 | - | 154 |
| 2007 | - | - | - | 261 | 240 | 2 | - | 503 |
| 2009 | - | - | 51 | 79 | 131 | 0 | - | 261 |
| 2011 ^{b/} | - | - | 4 | 544 | 1,270 | 13 | - | 1,832 |

TABLE A-19. Washington ocean recreational pink salmon landings in numbers of fish by port of landing and statistical month.
(Page 2 of 2)

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|--|------|-----|-------|--------|--------|-------|------|--------|
| <u>Illwaco^{c/}</u> | | | | | | | | |
| 1977 | 0 | 33 | 171 | 689 | 602 | 4 | 0 | 1,499 |
| 1979 | - | 3 | 8 | 246 | 26 | 0 | - | 283 |
| 1981 | - | 2 | 4 | 101 | 260 | - | - | 367 |
| 1983 | - | 0 | 0 | 0 | 2 | 0 | - | 2 |
| 1985 | - | - | 0 | 6 | 203 | - | - | 209 |
| 1987 | - | - | 0 | 110 | 9 | - | - | 119 |
| 1989 | - | 0 | 0 | 11 | 12 | - | - | 23 |
| 1991 | - | - | 0 | 45 | 21 | 0 | - | 66 |
| 1993 | - | - | - | 7 | 11 | 0 | - | 18 |
| 1995 | - | - | - | 4 | 18 | 9 | - | 31 |
| 1997 | - | - | - | 0 | 0 | - | - | 0 |
| 1999 | - | - | - | 0 | 3 | 0 | - | 3 |
| 2001 | - | - | - | 5 | 31 | 4 | - | 40 |
| 2003 | - | - | 0 | 2 | 16 | 0 | - | 18 |
| 2005 | - | - | - | 3 | 0 | 0 | - | 3 |
| 2007 | - | - | - | 5 | 3 | 0 | - | 8 |
| 2009 | - | - | 0 | 0 | 0 | 0 | - | 0 |
| 2011 ^{b/} | - | - | 0 | 2 | 1 | 0 | - | 3 |
| <u>Total Statewide^{c/}</u> | | | | | | | | |
| 1977 | 0 | 336 | 1,650 | 14,605 | 12,553 | 111 | 0 | 29,255 |
| 1979 | 17 | 45 | 1,080 | 3,870 | 12,151 | 646 | 24 | 17,833 |
| 1981 | - | 51 | 188 | 2,659 | 7,278 | - | 27 | 10,203 |
| 1983 | - | 0 | 2 | 442 | 3,860 | 157 | - | 4,461 |
| 1985 | - | - | 0 | 853 | 2,214 | 13 | - | 3,080 |
| 1987 | - | - | 6 | 991 | 804 | - | - | 1,801 |
| 1989 ^{a/} | - | 0 | 0 | 1,482 | 352 | 202 | - | 2,036 |
| 1991 ^{a/} | - | - | 0 | 613 | 1,597 | 4 | - | 2,214 |
| 1993 ^{a/} | - | 0 | - | 695 | 1,344 | 377 | - | 2,416 |
| 1995 | - | - | - | 44 | 2,725 | 52 | - | 2,821 |
| 1997 ^{a/} | - | - | - | 794 | 594 | 22 | - | 1,410 |
| 1999 | - | - | - | 852 | 1,255 | 81 | - | 2,188 |
| 2001 | - | - | - | 2,631 | 1,280 | 7 | - | 3,918 |
| 2003 | - | - | 22 | 6,843 | 6,367 | 175 | 0 | 13,407 |
| 2005 | - | - | 0 | 1,526 | 1,670 | 64 | 0 | 3,260 |
| 2007 | - | - | - | 1,575 | 3,093 | 2 | 0 | 4,670 |
| 2009 | - | - | 65 | 2,818 | 4,474 | 270 | 0 | 7,627 |
| 2011 ^{b/} | - | - | 41 | 4,386 | 6,161 | 240 | 0 | 10,828 |

a/ Includes catch from the Washington State waters Area 4B fishery.

b/ Preliminary.

c/ Includes catch from the North Jetty when the ocean fishery was open; does not include catch reported as occurring inside the Columbia River mouth (North Jetty catch when the ocean fishery was closed and Buoy 10 was open).

TABLE A-20. Cape Falcon to U.S./Mexico border commercial troll salmon fishing effort in days fished by region and month.^{a/}
 (Page 1 of 2)

| Year or Avg. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season |
|---|-------|-------|-------|-------|--------|--------|-------|-------|------|------|--------|
| <u>Cape Falcon to Humbug Mt.^{a/}</u> | | | | | | | | | | | |
| 1978-1980 | - | - | 650 | 2,964 | 12,169 | 11,602 | 1,692 | 598 | 10 | - | 29,684 |
| 1981-1985 | - | - | 1,413 | 1,011 | 10,193 | 5,360 | 941 | 448 | 10 | - | 19,377 |
| 1986-1990 | - | - | 3,745 | 4,494 | 14,033 | 8,093 | 3,214 | 2,162 | 257 | - | 35,843 |
| 1991-1995 | - | - | 1,234 | 2,027 | 2,444 | 2,054 | 1,335 | 1,321 | 88 | - | 8,674 |
| 1996-2000 | - | - | 1,282 | 1,573 | 960 | 1,532 | 973 | 636 | 114 | - | 6,815 |
| 2001 | - | 937 | 2,011 | 1,980 | 1,358 | 2,051 | 1,214 | 748 | 135 | 1 | 10,435 |
| 2002 | 367 | 840 | 1,712 | 1,965 | 682 | 1,293 | 1,607 | 2,204 | 158 | 15 | 10,843 |
| 2003 | 175 | 1,390 | 2,857 | 1,541 | 902 | 1,347 | 1,665 | 1,447 | 139 | 14 | 11,477 |
| 2004 | 906 | 2,506 | 2,137 | 1,819 | 825 | 1,833 | 1,359 | 704 | 229 | 21 | 12,339 |
| 2005 | 1,298 | 369 | 2,832 | 2,663 | - | - | 2,519 | 960 | 142 | 75 | 10,858 |
| 2006 | - | - | - | 1,034 | 487 | 186 | 631 | 722 | 278 | 26 | 3,364 |
| 2007 | - | 338 | 1,198 | 791 | 264 | 1,143 | 304 | 244 | 161 | 1 | 4,444 |
| 2008 | - | - | - | - | - | - | 37 | 12 | 48 | - | 97 |
| 2009 | - | - | - | - | - | - | 631 | 60 | - | - | 691 |
| 2010 | - | - | 1,018 | 985 | 564 | 715 | 37 | 157 | - | - | 3,476 |
| 2011 ^{b/} | - | 317 | 884 | 1,070 | 100 | 203 | 102 | 235 | 230 | - | 3,141 |
| <u>Humbug Mt. to Horse Mt. (KMZ)^{a/c/}</u> | | | | | | | | | | | |
| 1978-1980 | - | 320 | 7,953 | 8,898 | 12,009 | 9,367 | 3,437 | 955 | 568 | - | 43,400 |
| 1981-1985 | - | - | 2,979 | 1,817 | 5,010 | 5,260 | 1,273 | 732 | 336 | - | 17,408 |
| 1986-1990 | - | - | 326 | 1,889 | 756 | 1,406 | 551 | 160 | 217 | - | 3,825 |
| 1991-1995 | - | - | 45 | - | 48 | 56 | 522 | 157 | - | - | 396 |
| 1996-2000 | - | - | 55 | - | - | 107 | 208 | 150 | - | - | 533 |
| 2001 | - | - | 18 | 41 | - | 150 | 411 | 166 | - | - | 786 |
| 2002 | 3 | 15 | 22 | 73 | 82 | 188 | 548 | 102 | - | - | 1,033 |
| 2003 | 0 | 21 | 49 | 74 | 109 | 106 | 185 | 113 | 2 | - | 659 |
| 2004 | 2 | 31 | 73 | 141 | 138 | 220 | 358 | 61 | 18 | - | 1,042 |
| 2005 | 6 | 1 | - | - | - | - | 438 | 110 | 18 | - | 573 |
| 2006 | - | - | - | - | - | - | 6 | 150 | 27 | - | 183 |
| 2007 | - | 6 | 8 | 137 | 99 | 95 | 417 | 47 | 12 | - | 821 |
| 2008 | - | - | - | - | - | - | - | 51 | - | - | 51 |
| 2009 | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | 43 | - | 26 | 40 | - | 72 | - | - | 181 |
| 2011 ^{b/} | - | - | 60 | 60 | 162 | 134 | - | 74 | - | - | 490 |

TABLE A-20. Cape Falcon to U.S./Mexico border commercial troll salmon fishing effort in days fished by region and month. (Page 2 of 2)

| Year or Avg. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season |
|--|-------|-------|--------|--------|--------|--------|--------|-------|------|------|---------|
| Horse Mt. to U.S./Mexico Border | | | | | | | | | | | |
| 1978-1980 | - | 1,399 | 13,359 | 14,229 | 21,707 | 8,985 | 5,102 | - | - | - | 59,571 |
| 1981-1985 | - | 2,037 | 10,225 | 7,881 | 15,092 | 8,601 | 4,766 | - | - | - | 47,380 |
| 1986-1990 | - | - | 14,517 | 15,253 | 14,467 | 9,262 | 2,839 | - | - | - | 56,337 |
| 1991-1995 | - | - | 7,860 | 5,620 | 5,160 | 4,320 | 2,620 | - | - | - | 25,580 |
| 1996-2000 | - | - | 4,642 | 4,173 | 4,570 | 2,323 | 2,230 | - | - | - | 18,082 |
| 2001 | - | - | 4,894 | 1,448 | 3,042 | 1,419 | 2,222 | 501 | - | - | 13,526 |
| 2002 | - | - | 4,246 | 3,247 | 4,664 | 2,816 | 1,686 | 139 | - | - | 16,798 |
| 2003 | - | - | 3,074 | 2,727 | 3,697 | 3,745 | 2,431 | 136 | - | - | 15,810 |
| 2004 | - | - | 5,146 | 4,034 | 6,297 | 3,470 | 1,972 | 290 | - | - | 21,209 |
| 2005 | - | - | 3,881 | 377 | 5,001 | 3,365 | 3,669 | 401 | - | - | 16,694 |
| 2006 | - | - | 2,062 | 103 | 650 | 2,593 | 2,477 | 374 | - | - | 8,259 |
| 2007 | - | 106 | 3,132 | 29 | 3,288 | 2,659 | 932 | 168 | - | - | 10,314 |
| 2008 | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | 1,105 | 870 | - | - | - | - | 1,975 |
| 2011 ^{b/} | - | - | 1,867 | 497 | 1,703 | 1,863 | 621 | 120 | - | - | 6,671 |
| Total South of Cape Falcon | | | | | | | | | | | |
| 1978-1980 | - | 1,718 | 21,962 | 21,347 | 45,885 | 29,955 | 10,230 | 1,553 | 578 | - | 132,655 |
| 1981-1985 | - | 2,037 | 14,617 | 10,709 | 30,296 | 19,221 | 6,981 | 1,180 | 346 | - | 84,165 |
| 1986-1990 | - | - | 18,589 | 21,258 | 28,802 | 18,198 | 6,604 | 2,322 | 292 | - | 96,006 |
| 1991-1995 | - | - | 9,112 | 7,242 | 6,636 | 5,974 | 4,059 | 1,416 | 88 | - | 34,492 |
| 1996-2000 | - | - | 5,979 | 5,752 | 4,953 | 3,962 | 3,411 | 786 | 116 | - | 25,430 |
| 2001 | - | 937 | 6,923 | 3,469 | 4,400 | 3,620 | 3,847 | 1,415 | 135 | 1 | 24,747 |
| 2002 | 370 | 855 | 5,980 | 5,285 | 5,428 | 4,297 | 3,841 | 2,445 | 158 | 15 | 28,674 |
| 2003 | 175 | 1,411 | 5,980 | 4,342 | 4,708 | 5,198 | 4,281 | 1,696 | 141 | 14 | 27,946 |
| 2004 | 908 | 2,537 | 7,356 | 5,994 | 7,260 | 5,523 | 3,689 | 1,055 | 247 | 21 | 34,590 |
| 2005 | 1,304 | 370 | 6,713 | 3,040 | 5,001 | 3,365 | 6,626 | 1,471 | 160 | 75 | 28,125 |
| 2006 | - | - | 2,062 | 1,137 | 1,137 | 2,779 | 3,114 | 1,246 | 305 | 26 | 11,806 |
| 2007 | - | 450 | 4,338 | 957 | 3,651 | 3,897 | 1,653 | 459 | 173 | 1 | 15,579 |
| 2008 | - | - | - | - | - | - | 37 | 63 | 48 | - | - |
| 2009 | - | - | - | - | - | - | 631 | 60 | - | - | - |
| 2010 | - | - | 1,061 | 985 | 1,695 | 1,625 | 37 | 229 | - | - | 5,632 |
| 2011 ^{b/} | - | 317 | 2,811 | 1,627 | 1,965 | 2,200 | 723 | 429 | 230 | - | 10,302 |

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month.

b/ Preliminary.

c/ The current KMZ boundaries are Humbug Mt. to Horse Mt. These have changed slightly since the early 1980s.

TABLE A-21. Cape Falcon to U.S./Mexico border commercial troll Chinook and coho salmon landings in numbers of fish by region and month. (Page 2 of 2)

| Year or Avg. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|--|--------|--------|---------|---------|---------|---------|---------|--------|-------|------|-----------|-------------|--------|---------|---------|---------|--------|-------|---------|
| CHINOOK | | | | | | | | | | | | COHO | | | | | | | |
| <u>Horse Mt. to U.S./Mexico Border</u> | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | - | 34,194 | 108,017 | 87,178 | 128,494 | 48,348 | 26,139 | - | - | - | 432,370 | 13 | 13,988 | 42,514 | 19,864 | 4,307 | 540 | 0 | 67,225 |
| 1981-1985 | - | 31,016 | 95,110 | 63,197 | 128,909 | 57,751 | 17,536 | - | - | - | 393,519 | 37 | 503 | 5,765 | 14,913 | 2,219 | 276 | 0 | 23,173 |
| 1986-1990 | - | - | 239,714 | 226,495 | 193,068 | 71,735 | 17,365 | - | - | - | 748,377 | - | - | 15,505 | 17,802 | 3,427 | 163 | 0 | 36,897 |
| 1991-1995 | - | - | 121,373 | 73,940 | 80,950 | 42,707 | 22,018 | - | - | - | 340,988 | - | - | 25,850 | 12,250 | 2,825 | - | - | 40,925 |
| 1996-2000 | - | - | 121,717 | 101,679 | 88,632 | 24,057 | 25,378 | - | - | - | 361,464 | - | - | - | - | - | - | - | 0 |
| 2001 | - | - | 73,044 | 11,497 | 63,084 | 14,172 | 22,111 | 3,655 | - | - | 187,563 | - | - | - | - | - | - | - | - |
| 2002 | - | - | 86,120 | 93,214 | 128,032 | 56,896 | 13,456 | 470 | - | - | 378,188 | - | - | - | - | - | - | - | - |
| 2003 | - | - | 73,234 | 104,201 | 123,712 | 111,086 | 73,735 | 1,882 | - | - | 487,850 | - | - | - | - | - | - | - | - |
| 2004 | - | - | 97,596 | 154,175 | 157,237 | 44,525 | 15,451 | 1,211 | - | - | 470,195 | - | - | - | - | - | - | - | - |
| 2005 | - | - | 76,855 | 5,001 | 139,928 | 35,046 | 74,673 | 2,305 | - | - | 333,808 | - | - | - | - | - | - | - | - |
| 2006 | - | - | 9,911 | 391 | 16,783 | 18,589 | 22,982 | 1,072 | - | - | 69,728 | - | - | - | - | - | - | - | - |
| 2007 | - | 748 | 36,598 | 156 | 41,808 | 23,212 | 2,505 | 352 | - | - | 105,379 | - | - | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | 8,906 | 6,182 | - | - | - | - | 15,088 | - | - | - | - | - | - | - | - |
| 2011 ^{b/} | - | - | 11,698 | 4,157 | 30,034 | 19,391 | 1,788 | 320 | - | - | 67,388 | - | - | - | - | - | - | - | - |
| <u>Total South of Cape Falcon</u> | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | - | 42,728 | 209,087 | 135,541 | 241,157 | 142,938 | 57,106 | 13,463 | 2,458 | - | 844,479 | 26,024 | 54,897 | 267,931 | 424,414 | 151,469 | 12,087 | 1,141 | 857,041 |
| 1981-1985 | - | 31,016 | 139,724 | 83,407 | 199,475 | 125,855 | 34,284 | 6,299 | 1,149 | - | 621,208 | 37 | 4,029 | 12,948 | 248,929 | 70,738 | 2,240 | 0 | 334,855 |
| 1986-1990 | - | - | 286,235 | 316,652 | 336,505 | 167,846 | 55,719 | 21,881 | 1,642 | - | 1,186,481 | - | - | 27,490 | 313,756 | 80,277 | 4,883 | 0 | 426,405 |
| 1991-1995 | - | - | 133,977 | 88,353 | 93,260 | 71,953 | 39,747 | 14,748 | 453 | - | 442,491 | - | - | 71,475 | 118,161 | 10,265 | 3 | 12 | 199,916 |
| 1996-2000 | - | - | 144,468 | 130,783 | 94,184 | 63,810 | 46,379 | 8,035 | 1,002 | - | 488,661 | - | - | 8 | - | - | - | - | 8 |
| 2001 | - | 18,536 | 133,829 | 54,785 | 100,623 | 76,169 | 59,155 | 19,495 | 1,345 | 21 | 463,958 | - | - | - | - | - | - | - | - |
| 2002 | 6,667 | 10,689 | 109,690 | 154,047 | 141,810 | 88,596 | 85,592 | 84,636 | 1,255 | 65 | 683,047 | - | - | - | - | - | - | - | - |
| 2003 | 3,192 | 60,663 | 147,415 | 136,626 | 144,373 | 149,515 | 126,544 | 41,724 | 999 | 137 | 811,188 | - | - | - | - | - | - | - | - |
| 2004 | 21,049 | 34,739 | 135,640 | 179,905 | 178,855 | 142,874 | 46,513 | 9,753 | 2,191 | 182 | 751,701 | - | - | - | - | - | - | - | - |
| 2005 | 28,384 | 4,788 | 132,596 | 54,896 | 139,928 | 35,046 | 165,040 | 20,116 | 943 | 335 | 582,072 | - | - | - | - | - | - | - | - |
| 2006 | - | - | 9,911 | 10,049 | 20,399 | 19,551 | 27,361 | 5,111 | 1,691 | 131 | 94,204 | - | - | - | - | - | - | - | - |
| 2007 | - | 2,619 | 43,951 | 5,346 | 44,717 | 37,096 | 12,380 | 1,356 | 717 | 3 | 148,185 | - | - | - | - | 5,023 | 519 | - | 5,542 |
| 2008 | - | - | - | - | - | - | 64 | 248 | 208 | - | 520 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | 105 | 332 | - | - | 437 | - | - | - | - | - | 9,280 | - | 9,280 |
| 2010 | - | - | 9,183 | 8,966 | 13,233 | 10,104 | 56 | 1,859 | - | - | 43,401 | - | - | - | - | - | - | - | - |
| 2011 ^{b/} | - | 4,481 | 20,157 | 14,755 | 32,345 | 21,512 | 2,077 | 1,600 | 1,954 | - | 98,881 | - | - | - | - | - | - | - | - |

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month.

b/ Preliminary.

c/ The current KMZ boundaries are Humbug Mt. to Horse Mt. These have changed slightly since the early 1980s.

TABLE A-22. Cape Falcon to U.S/Mexico border ocean recreational fishing effort in salmon angler trips by region and month.^{a/}
(Page 1 of 2)

| Year or Avg. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|---|------|------|------|-------|--------|--------|--------|--------|-------|------|---------|
| <u>Cape Falcon to Humbug Mt.^{a/}</u> | | | | | | | | | | | |
| 1978-1980 | - | - | 0 | 9,025 | 44,358 | 97,228 | 83,028 | 17,580 | 2,250 | 151 | 252,629 |
| 1981-1985 | - | - | - | 5,279 | 21,790 | 78,019 | 61,312 | 10,677 | 1,603 | -- | 151,116 |
| 1986-1990 | - | - | - | 2,054 | 18,538 | 82,564 | 51,012 | 11,171 | -- | -- | 164,930 |
| 1991-1995 | - | - | - | 1,817 | 11,249 | 63,162 | 22,523 | 5,191 | 4,948 | 396 | 64,187 |
| 1996-2000 | - | - | - | 708 | 596 | 9,570 | 4,388 | 3,527 | 2,933 | 170 | 21,804 |
| 2001 | - | - | 0 | 1,349 | 17,548 | 35,973 | 9,449 | 4,384 | 2,254 | 162 | 71,119 |
| 2002 | - | - | 275 | 1,295 | 6,181 | 36,658 | 14,194 | 9,322 | 7,893 | 50 | 75,868 |
| 2003 | - | 81 | 139 | 1,695 | 10,884 | 54,115 | 31,069 | 8,437 | 3,635 | 395 | 110,450 |
| 2004 | - | 78 | 238 | 1,490 | 14,867 | 49,370 | 28,773 | 10,599 | 3,094 | 291 | 108,800 |
| 2005 | - | 30 | 406 | 1,470 | 12,598 | 13,820 | 9,797 | 11,248 | 778 | 12 | 50,159 |
| 2006 | - | 24 | 92 | 800 | 4,918 | 18,334 | 3,817 | 9,996 | 5,368 | 98 | 43,447 |
| 2007 | - | 36 | 75 | 1,244 | 7,828 | 22,067 | 25,908 | 5,227 | 2,341 | 40 | 64,766 |
| 2008 | - | - | - | - | 3,253 | 7,681 | 5,052 | 3,635 | 2,348 | -- | 21,969 |
| 2009 | - | - | - | - | 4,144 | 33,012 | 23,429 | 3,743 | 2,009 | -- | 66,337 |
| 2010 | - | - | - | 863 | 2,960 | 9,116 | 16,794 | 6,334 | 1,048 | -- | 37,115 |
| 2011 ^{b/} | 0 | 22 | 75 | 433 | 2,965 | 10,835 | 10,173 | 9,354 | 1,240 | 16 | 35,113 |
| <u>Humbug Mt. to Horse Mt. (KMZ)^{a/c/}</u> | | | | | | | | | | | |
| 1978-1980 | 0 | 0 | 4 | 1,607 | 20,812 | 50,059 | 30,892 | 8,329 | 5,617 | 913 | 118,233 |
| 1981-1985 | 0 | 0 | 1 | 3,481 | 14,938 | 49,198 | 26,922 | 4,354 | 3,416 | 138 | 102,448 |
| 1986-1990 | 0 | 0 | - | 5,291 | 33,539 | 62,718 | 27,347 | 5,042 | 3,353 | - | 135,949 |
| 1991-1995 | - | - | - | 6,722 | 16,127 | 28,644 | 7,901 | 7,727 | 2,879 | - | 51,816 |
| 1996-2000 | - | - | - | 3,271 | 9,150 | 5,570 | 12,832 | 3,266 | 2,766 | - | 36,854 |
| 2001 | - | - | - | 6,542 | 11,561 | 11,274 | 15,394 | 1,683 | 4,340 | - | 50,794 |
| 2002 | - | - | - | 4,989 | 10,558 | 1,259 | 14,412 | 6,074 | 3,973 | - | 41,265 |
| 2003 | - | - | - | 3,669 | 5,103 | 7,346 | 8,750 | 3,026 | 2,630 | - | 30,524 |
| 2004 | - | - | - | 5,830 | 7,419 | 9,227 | 13,450 | 6,405 | 1,575 | - | 43,906 |
| 2005 | - | - | - | 1,799 | 9,099 | 1,932 | 8,781 | 5,898 | 2,398 | - | 29,907 |
| 2006 | - | - | - | 4,887 | 8,619 | 3,174 | - | 7,320 | 3,081 | - | 27,081 |
| 2007 | - | - | - | 2,346 | 6,223 | 7,541 | 10,178 | 2,004 | 3,263 | - | 31,555 |
| 2008 | - | - | - | - | 712 | 2,317 | 701 | - | 1,065 | - | 4,795 |
| 2009 | - | - | - | - | 268 | 2,329 | 3,269 | 5,424 | - | - | 11,290 |
| 2010 | - | - | - | 665 | 771 | 1,280 | 2,493 | 2,700 | 2,270 | - | 10,179 |
| 2011 ^{b/} | - | - | - | 2,236 | 2,970 | 5,015 | 6,540 | 2,621 | 1,757 | - | 21,139 |

TABLE A-22. Cape Falcon to U.S/Mexico border ocean recreational fishing effort in salmon angler trips by region and month.
(Page 2 of 2)

| Year or Avg. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|--|-------|--------|--------|--------|--------|---------|---------|--------|--------|-------|---------|
| Horse Mt. to U.S./Mexico Border | | | | | | | | | | | |
| 1976-1980 | 9,865 | 12,468 | 9,230 | 9,929 | 12,998 | 22,054 | 19,400 | 13,245 | 7,968 | 4,078 | 119,603 |
| 1981-1985 | 5,107 | 7,945 | 8,771 | 8,898 | 14,341 | 22,038 | 16,941 | 9,593 | 5,648 | 1,426 | 100,709 |
| 1986-1990 | 8,272 | 17,094 | 24,034 | 13,831 | 23,693 | 36,170 | 22,631 | 10,893 | 5,029 | 1,563 | 163,209 |
| 1991-1995 | 675 | 15,641 | 23,079 | 22,180 | 30,007 | 51,595 | 26,483 | 11,093 | 5,939 | 302 | 186,873 |
| 1996-2000 | 32 | 14,341 | 25,245 | 21,784 | 31,874 | 42,867 | 25,997 | 9,463 | 4,144 | 610 | 176,094 |
| 2001 | 0 | 1,573 | 26,353 | 23,014 | 14,267 | 30,775 | 23,004 | 12,782 | 6,081 | 2,593 | 140,442 |
| 2002 | 194 | 3,760 | 40,477 | 27,539 | 30,025 | 45,831 | 30,791 | 7,688 | 1,823 | 381 | 188,509 |
| 2003 | 607 | 6,374 | 15,069 | 17,055 | 20,779 | 34,536 | 14,786 | 6,713 | 2,667 | 264 | 118,850 |
| 2004 | 183 | 999 | 32,865 | 28,873 | 29,067 | 57,641 | 27,768 | 9,908 | 4,303 | 1,539 | 193,146 |
| 2005 | 869 | 521 | 24,631 | 19,797 | 27,711 | 38,248 | 22,891 | 13,250 | 5,868 | 965 | 154,751 |
| 2006 | 289 | 298 | 19,198 | 17,128 | 25,376 | 31,705 | 9,684 | 4,102 | 1,827 | 448 | 110,055 |
| 2007 | 249 | 855 | 15,043 | 13,297 | 19,620 | 21,548 | 8,532 | 3,091 | 1,817 | 1,394 | 85,446 |
| 2008 | 206 | 185 | - | - | - | - | - | - | - | - | 391 |
| 2009 | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | 16,774 | 6,770 | 2,736 | 8,310 | 7,883 | 1,965 | - | - | 44,438 |
| 2011 ^{b/} | - | - | 15,520 | 5,872 | 6,878 | 20,186 | 14,261 | 10,071 | 3,431 | - | 76,219 |
| Total South of Cape Falcon | | | | | | | | | | | |
| 1976-1980 | 9,865 | 12,468 | 9,233 | 20,561 | 78,167 | 169,341 | 133,321 | 39,154 | 14,935 | 3,420 | 490,465 |
| 1981-1985 | 5,107 | 7,945 | 8,772 | 14,491 | 42,353 | 149,255 | 92,912 | 22,489 | 9,385 | 1,564 | 354,272 |
| 1986-1990 | 8,272 | 17,094 | 24,034 | 20,765 | 75,770 | 181,452 | 100,990 | 27,107 | 7,041 | 1,563 | 464,088 |
| 1991-1995 | 675 | 15,641 | 23,079 | 29,374 | 54,157 | 106,679 | 41,813 | 20,897 | 10,221 | 425 | 302,876 |
| 1996-2000 | 32 | 14,341 | 25,258 | 25,763 | 41,620 | 58,007 | 43,217 | 16,256 | 9,843 | 723 | 234,753 |
| 2001 | 0 | 1,573 | 26,353 | 30,905 | 43,376 | 78,022 | 47,847 | 18,849 | 12,675 | 2,755 | 262,355 |
| 2002 | 194 | 3,760 | 40,752 | 33,823 | 46,764 | 83,748 | 59,397 | 23,084 | 13,689 | 431 | 305,642 |
| 2003 | 607 | 6,455 | 15,208 | 22,419 | 36,766 | 95,997 | 54,605 | 18,176 | 8,932 | 659 | 259,824 |
| 2004 | 183 | 1,077 | 33,103 | 36,193 | 51,353 | 116,238 | 69,991 | 26,912 | 8,972 | 1,830 | 345,852 |
| 2005 | 869 | 551 | 25,037 | 23,066 | 49,408 | 54,000 | 41,469 | 30,396 | 9,044 | 977 | 234,817 |
| 2006 | 289 | 322 | 19,290 | 22,815 | 38,913 | 53,213 | 13,501 | 21,418 | 10,276 | 546 | 180,583 |
| 2007 | 249 | 891 | 15,118 | 16,887 | 33,671 | 51,156 | 44,618 | 10,322 | 7,421 | 1,434 | 181,767 |
| 2008 | 206 | 185 | - | - | 3,965 | 9,998 | 5,753 | 3,635 | 3,413 | -- | 27,155 |
| 2009 | - | - | - | - | 4,412 | 35,341 | 26,698 | 9,167 | 2,009 | -- | 77,627 |
| 2010 | - | - | 16,774 | 8,298 | 6,467 | 18,706 | 27,170 | 10,999 | 3,318 | -- | 91,732 |
| 2011 ^{b/} | 0 | 22 | 15,595 | 8,541 | 12,813 | 36,036 | 30,974 | 22,046 | 6,428 | 16 | 132,471 |

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month.

b/ Preliminary.

c/ The current KMZ boundaries are Humbug Mt. to Horse Mt. These have changed slightly since the early 1980s.

TABLE A-23. Cape Falcon to U.S./Mexico border ocean recreational salmon landings in numbers of fish by region and month.^{a/} (Page 1 of 2)

| Year or Avg. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|---|------|------|------|-------|--------|--------|--------|-------|-------|------|--------|-------------|------|------|-------|--------|--------|--------|-------|------|------|---------|
| CHINOOK | | | | | | | | | | | | COHO | | | | | | | | | | |
| <u>Cape Falcon to Humbug Mt.^{a/}</u> | | | | | | | | | | | | | | | | | | | | | | |
| 1978-1980 | - | - | 0 | 700 | 2,780 | 4,114 | 5,079 | 1,463 | 144 | 39 | 14,239 | - | - | - | 9,099 | 46,920 | 76,187 | 54,894 | 5,617 | 671 | - | 193,118 |
| 1981-1985 | - | - | - | 55 | 787 | 6,327 | 3,518 | 642 | 42 | -- | 11,326 | - | - | - | 2,321 | 18,010 | 62,626 | 40,922 | 4,706 | - | - | 119,511 |
| 1986-1990 | - | - | - | 150 | 1,678 | 7,128 | 4,099 | 1,639 | -- | -- | 14,664 | - | - | - | 1,136 | 21,865 | 97,505 | 45,530 | 6,824 | - | - | 171,268 |
| 1991-1995 | - | - | - | 146 | 1,144 | 3,030 | 1,044 | 465 | 1,254 | 42 | 4,230 | - | - | - | 522 | 21,985 | 87,767 | 25,734 | 3,192 | - | - | 97,169 |
| 1996-2000 | - | - | - | 107 | 142 | 1,987 | 1,233 | 738 | 503 | 36 | 4,726 | - | - | - | - | - | 8,452 | 42 | 12 | 1 | - | 5,127 |
| 2001 | - | - | 0 | 217 | 2,038 | 7,816 | 4,721 | 1,965 | 594 | 23 | 17,374 | - | - | - | 21 | 17,671 | 37,093 | 205 | 76 | 22 | - | 55,088 |
| 2002 | - | - | 155 | 330 | 5,144 | 16,609 | 5,995 | 3,923 | 2,636 | 0 | 34,792 | - | - | - | - | 35 | 19,701 | 2,163 | 103 | 24 | - | 22,026 |
| 2003 | - | 2 | 22 | 268 | 2,936 | 15,116 | 9,235 | 3,960 | 1,273 | 64 | 32,876 | - | - | - | 2 | 7,578 | 50,861 | 25,318 | 64 | 14 | - | 83,837 |
| 2004 | - | 2 | 24 | 315 | 3,904 | 21,493 | 14,646 | 5,053 | 1,907 | 69 | 47,413 | - | - | - | 2 | 4,955 | 30,949 | 11,667 | 466 | 23 | - | 48,062 |
| 2005 | - | 6 | 104 | 201 | 3,696 | 4,228 | 4,564 | 5,524 | 280 | 0 | 18,603 | - | - | - | - | 2,064 | 1,422 | 37 | 107 | - | - | 3,630 |
| 2006 | - | 2 | 4 | 68 | 540 | 3,755 | 982 | 1,863 | 2,024 | 49 | 9,287 | - | - | - | - | 469 | 8,346 | 36 | 634 | - | - | 9,485 |
| 2007 | - | 3 | 0 | 72 | 255 | 804 | 1,076 | 597 | 474 | 16 | 3,297 | - | - | - | 2 | 4,734 | 19,223 | 16,417 | 311 | - | - | 40,687 |
| 2008 | - | - | - | - | 9 | 6 | 3 | 262 | 201 | -- | 481 | - | - | - | - | 770 | 2,811 | 4,131 | 45 | 3 | - | 7,760 |
| 2009 | - | - | - | - | 9 | 36 | 47 | 92 | 226 | -- | 410 | - | - | - | - | 4,859 | 38,001 | 25,325 | 799 | 6 | - | 68,990 |
| 2010 | - | - | - | 75 | 207 | 380 | 1,108 | 439 | 122 | -- | 2,331 | - | - | - | - | 368 | 2,181 | 8,336 | 1,242 | - | - | 12,127 |
| 2011 ^{b/} | - | 0 | 7 | 56 | 161 | 486 | 623 | 1,052 | 207 | 6 | 2,598 | - | - | - | - | 556 | 3,576 | 2,011 | 6,626 | - | - | 12,769 |
| <u>Humbug Mt. to Horse Mt. (KMZ)^{a/c/}</u> | | | | | | | | | | | | | | | | | | | | | | |
| 1978-1980 | - | 0 | 0 | 252 | 2,699 | 8,214 | 5,604 | 706 | 721 | 75 | 18,272 | -- | -- | 1 | 483 | 17,791 | 29,095 | 9,034 | 713 | 430 | 0 | 57,548 |
| 1981-1985 | - | 0 | 1 | 2,463 | 4,949 | 17,196 | 7,185 | 703 | 515 | 9 | 33,021 | -- | -- | 0 | 378 | 5,668 | 17,700 | 5,744 | 354 | 1 | 0 | 29,844 |
| 1986-1990 | - | 0 | - | 1,782 | 14,924 | 21,557 | 8,664 | 1,935 | 581 | - | 49,211 | -- | -- | - | 1,081 | 12,458 | 32,289 | 7,650 | 877 | 10 | - | 54,361 |
| 1991-1995 | - | - | - | 2,752 | 6,005 | 4,480 | 1,559 | 1,849 | 653 | - | 13,312 | - | - | - | 186 | 8,173 | 15,356 | 2,224 | 900 | 2 | - | 18,580 |
| 1996-2000 | - | - | - | 1,298 | 3,637 | 2,596 | 5,622 | 709 | 702 | - | 14,564 | - | - | - | 33 | 63 | 55 | 98 | 22 | 9 | - | 244 |
| 2001 | - | - | - | 2,690 | 5,225 | 3,859 | 5,554 | 1,848 | 856 | - | 20,032 | - | - | - | 11 | 118 | 55 | 58 | - | 13 | - | 255 |
| 2002 | - | - | - | 3,048 | 7,768 | 630 | 8,533 | 5,785 | 301 | - | 26,065 | - | - | - | 10 | 253 | 42 | 57 | 41 | - | - | 403 |
| 2003 | - | - | - | 3,385 | 2,156 | 2,638 | 3,130 | 2,339 | 552 | - | 14,200 | - | - | - | 29 | 59 | 25 | 63 | 12 | - | - | 188 |
| 2004 | - | - | - | 6,514 | 4,530 | 6,090 | 9,100 | 3,214 | 233 | - | 29,681 | - | - | - | 194 | 440 | 787 | 369 | 42 | 3 | - | 1,835 |
| 2005 | - | - | - | 1,206 | 10,218 | 2,317 | 5,249 | 3,857 | 404 | - | 23,251 | - | - | - | 24 | 137 | 3 | 40 | 57 | - | - | 261 |
| 2006 | - | - | - | 4,620 | 6,199 | 2,515 | - | 4,464 | 397 | - | 18,195 | - | - | - | 93 | 503 | 150 | - | 169 | 7 | - | 922 |
| 2007 | - | - | - | 841 | 5,290 | 5,001 | 8,064 | 2,215 | 535 | - | 21,946 | - | - | - | - | 245 | 745 | 917 | 60 | 3 | - | 1,970 |
| 2008 | - | - | - | - | - | - | - | - | 280 | - | 280 | - | - | - | 449 | 1,273 | 409 | - | 3 | - | - | 2,134 |
| 2009 | - | - | - | - | - | 9 | 325 | 533 | - | - | 867 | - | - | - | 6 | 1,123 | 59 | 17 | - | - | - | 1,205 |
| 2010 | - | - | - | 24 | 160 | 40 | 501 | 278 | 541 | - | 1,544 | - | - | - | - | 19 | 75 | 16 | - | - | - | 110 |
| 2011 ^{b/} | - | - | - | 808 | 962 | 4,251 | 3,999 | 497 | 233 | - | 10,750 | - | - | - | 5 | 10 | 62 | 37 | 12 | - | - | 126 |

TABLE A-23. Cape Falcon to U.S./Mexico border ocean recreational salmon landings in numbers of fish by region and month. (Page 2 of 2)

| Year or Avg. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|--|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|---------|-------------|------|------|--------|--------|---------|--------|-------|------|------|---------|
| CHINOOK | | | | | | | | | | | | COHO | | | | | | | | | | |
| Horse Mt. to U.S./Mexico Border | | | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 5,830 | 8,504 | 8,715 | 6,238 | 11,781 | 16,557 | 9,694 | 7,432 | 6,663 | 1,338 | 82,753 | 10 | 14 | 238 | 1,439 | 1,551 | 2,151 | 600 | 136 | 14 | 2 | 6,155 |
| 1981-1985 | 5,947 | 7,266 | 7,238 | 7,654 | 13,303 | 18,990 | 16,587 | 8,530 | 5,546 | 1,410 | 92,471 | 0 | 1 | 21 | 149 | 680 | 903 | 303 | 40 | 29 | 0 | 2,125 |
| 1986-1990 | 5,630 | 15,288 | 26,365 | 10,037 | 18,925 | 28,491 | 17,858 | 7,834 | 4,240 | 1,319 | 135,987 | 0 | 1 | 56 | 212 | 1,300 | 2,384 | 772 | 153 | 12 | 0 | 4,890 |
| 1991-1995 | 244 | 11,376 | 21,564 | 15,561 | 27,663 | 53,815 | 17,807 | 8,925 | 4,451 | 159 | 161,502 | 0 | 9 | 23 | 260 | 3,128 | 5,839 | 733 | 142 | 25 | -- | 10,159 |
| 1996-2000 | 6 | 14,184 | 23,734 | 17,596 | 29,070 | 40,667 | 17,615 | 5,878 | 2,977 | 982 | 149,280 | - | - | 3 | 11 | 112 | 91 | 59 | 16 | 6 | - | 283 |
| 2001 | -- | 1,256 | 18,059 | 11,892 | 8,153 | 23,121 | 12,154 | 7,030 | 3,071 | 1,223 | 85,959 | - | - | 4 | 420 | 211 | 462 | 46 | - | - | - | 1,143 |
| 2002 | 14 | 2,979 | 37,759 | 21,933 | 30,342 | 51,328 | 17,859 | 3,290 | 348 | 61 | 165,913 | - | - | 2 | 22 | 130 | 333 | 46 | - | - | - | 533 |
| 2003 | 444 | 3,978 | 9,569 | 12,209 | 19,043 | 29,442 | 6,501 | 3,688 | 1,048 | 0 | 85,922 | - | - | - | 70 | 197 | 189 | 11 | 9 | - | - | 476 |
| 2004 | 41 | 510 | 31,470 | 24,847 | 33,948 | 70,611 | 24,970 | 8,717 | 2,818 | 338 | 198,270 | - | - | - | 41 | 113 | 475 | 201 | 34 | - | - | 864 |
| 2005 | 285 | 111 | 14,255 | 14,272 | 31,351 | 34,094 | 16,015 | 11,020 | 3,955 | 355 | 125,713 | - | - | - | 35 | 242 | 243 | 28 | - | - | - | 548 |
| 2006 | 55 | 109 | 9,408 | 14,233 | 24,099 | 26,657 | 4,023 | 982 | 256 | 67 | 79,889 | - | - | - | 108 | 640 | 588 | 49 | - | - | - | 1,385 |
| 2007 | 48 | 200 | 3,152 | 6,405 | 8,613 | 8,080 | 1,154 | 390 | 441 | 325 | 28,808 | - | - | - | 53 | 104 | 149 | 25 | 14 | - | - | 345 |
| 2008 | 0 | 6 | - | - | - | - | - | - | - | - | 6 | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | 5,265 | 2,408 | 630 | 2,568 | 2,823 | 395 | - | - | 14,089 | - | - | 8 | 7 | 68 | 15 | 19 | 8 | - | - | 125 |
| 2011 ^{b/} | - | - | 5,513 | 1,871 | 2,403 | 12,294 | 9,147 | 6,720 | 1,258 | - | 39,206 | - | - | 8 | 10 | 62 | 116 | 17 | - | 5 | - | 218 |
| Total South of Cape Falcon | | | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 5,830 | 8,504 | 8,715 | 7,190 | 17,259 | 28,886 | 20,378 | 9,602 | 7,471 | 1,428 | 115,264 | 10 | 14 | 239 | 11,021 | 66,262 | 107,432 | 64,529 | 6,466 | 847 | 2 | 256,821 |
| 1981-1985 | 5,947 | 7,266 | 7,239 | 10,162 | 19,039 | 42,513 | 27,290 | 9,875 | 6,070 | 1,419 | 136,819 | 0 | 1 | 21 | 1,919 | 17,153 | 81,228 | 46,969 | 4,158 | 30 | 0 | 151,479 |
| 1986-1990 | 5,630 | 15,288 | 26,365 | 11,939 | 35,527 | 57,176 | 30,621 | 11,409 | 4,588 | 1,319 | 199,862 | 0 | 1 | 56 | 2,202 | 35,623 | 132,177 | 53,953 | 6,489 | 18 | 0 | 230,519 |
| 1991-1995 | 244 | 11,376 | 21,564 | 17,908 | 33,611 | 58,321 | 19,472 | 10,960 | 5,475 | 140 | 179,043 | 0 | 9 | 23 | 722 | 22,857 | 67,713 | 12,805 | 2,319 | 26 | -- | 106,474 |
| 1996-2000 | 2 | 11,347 | 23,735 | 19,001 | 32,850 | 45,250 | 24,470 | 7,326 | 4,181 | 678 | 168,570 | - | - | 3 | 22 | 175 | 5,218 | 199 | 42 | 9 | - | 5,655 |
| 2001 | 0 | 1,256 | 18,059 | 14,799 | 15,416 | 34,796 | 22,429 | 10,843 | 4,521 | 1,246 | 123,365 | - | - | 4 | 452 | 18,000 | 37,610 | 309 | 76 | 35 | - | 56,486 |
| 2002 | 14 | 2,979 | 37,914 | 25,311 | 43,254 | 68,567 | 32,387 | 12,998 | 3,285 | 61 | 226,770 | - | - | 2 | 32 | 418 | 20,076 | 2,266 | 144 | 24 | - | 22,962 |
| 2003 | 444 | 3,980 | 9,591 | 15,862 | 24,135 | 47,196 | 18,866 | 9,987 | 2,873 | 64 | 132,998 | - | - | - | 101 | 7,834 | 51,075 | 25,392 | 85 | 14 | - | 84,501 |
| 2004 | 41 | 512 | 31,494 | 31,676 | 42,382 | 98,194 | 48,716 | 16,984 | 4,958 | 407 | 275,364 | - | - | - | 237 | 5,508 | 32,211 | 12,237 | 542 | 26 | - | 50,761 |
| 2005 | 285 | 117 | 14,359 | 15,679 | 45,265 | 40,639 | 25,828 | 20,401 | 4,639 | 355 | 167,567 | - | - | - | 59 | 2,443 | 1,668 | 105 | 164 | - | - | 4,439 |
| 2006 | 55 | 111 | 9,412 | 18,921 | 30,838 | 32,927 | 5,005 | 7,309 | 2,677 | 116 | 107,371 | - | - | - | 201 | 1,612 | 9,084 | 85 | 803 | 7 | - | 11,792 |
| 2007 | 48 | 203 | 3,152 | 7,318 | 14,158 | 13,885 | 10,294 | 3,202 | 1,450 | 341 | 54,051 | - | - | - | 55 | 5,083 | 20,117 | 17,359 | 385 | 3 | - | 43,002 |
| 2008 | 0 | 6 | - | - | 9 | 6 | 3 | 262 | 481 | -- | 767 | - | - | - | - | 1,219 | 4,084 | 4,540 | 45 | 6 | - | 9,894 |
| 2009 | - | - | - | - | 9 | 45 | 372 | 625 | 226 | -- | 1,277 | - | - | - | - | 4,865 | 39,124 | 25,384 | 816 | 6 | - | 70,195 |
| 2010 | - | - | 5,265 | 2,507 | 997 | 2,988 | 4,432 | 1,112 | 663 | -- | 17,964 | - | - | 8 | 7 | 436 | 2,215 | 8,430 | 1,266 | - | - | 12,362 |
| 2011 ^{b/} | - | 0 | 5,520 | 2,735 | 3,526 | 17,031 | 13,769 | 8,269 | 1,698 | 6 | 52,554 | - | - | 8 | 15 | 628 | 3,754 | 2,065 | 6,638 | 5 | - | 13,113 |

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month.

b/ Preliminary.

c/ The current KMZ boundaries are Humbug Mt. to Horse Mt. These have changed slightly since the early 1980s.

TABLE A-24. U.S./Canada border to Cape Falcon commercial troll salmon fishing effort in days fished by area and month.^{a/}
(Page 1 of 3)

| Year or Avg. | May | June | July | Aug. | Sept. | Oct. | Season |
|--|-------|-------|--------|--------|-------|------|--------|
| U.S./Canada Border to Leadbetter Pt. - Non-Indian | | | | | | | |
| 1976-1980 | 3,482 | 2,262 | 11,876 | 12,038 | 4,519 | - | 34,176 |
| 1981-1985 | 2,700 | 309 | 5,650 | 2,388 | 14 | - | 9,858 |
| 1986-1990 | 2,255 | 830 | 438 | 750 | 15 | - | 3,847 |
| 1991-1995 | 1,578 | 1,054 | 775 | 635 | 304 | - | 3,224 |
| 1996-2000 | 221 | 124 | 158 | 129 | 5 | - | 419 |
| 2001 | 209 | 212 | 159 | 70 | 38 | - | 688 |
| 2002 | 428 | 183 | 420 | 242 | - | - | 1,273 |
| 2003 | 421 | 195 | 476 | 415 | 77 | - | 1,584 |
| 2004 | 460 | 10 | 392 | 342 | 125 | - | 1,329 |
| 2005 | 492 | 104 | 337 | 402 | - | - | 1,335 |
| 2006 | 359 | 381 | 99 | 296 | 169 | - | 1,304 |
| 2007 | 445 | 253 | 354 | 114 | 8 | - | 1,174 |
| 2008 | 246 | 353 | 223 | 213 | 60 | - | 1,095 |
| 2009 | 467 | 551 | 432 | 320 | 134 | - | 1,904 |
| 2010 | 511 | 858 | 501 | 428 | 46 | - | 2,344 |
| 2011 ^{b/} | 606 | 656 | 448 | 208 | 54 | - | 1,972 |
| U.S./Canada Border to Leadbetter Pt. - Treaty Indian^{c/} | | | | | | | |
| 1976-1980 | 61 | 137 | 192 | 162 | 50 | 6 | 603 |
| 1981-1985 | 79 | 141 | 284 | 313 | 146 | 17 | 963 |
| 1986-1990 | 138 | 168 | 434 | 460 | 161 | 2 | 1,360 |
| 1991-1995 | 69 | 71 | 182 | 311 | 48 | 10 | 682 |
| 1996-2000 | 31 | 38 | 11 | 96 | 53 | - | 229 |
| 2001 | 53 | 65 | 122 | 172 | 104 | - | 516 |
| 2002 | 31 | 42 | 61 | 51 | 41 | 10 | 226 |
| 2003 | 24 | 27 | 63 | 57 | 45 | 15 | 216 |
| 2004 | 27 | 49 | 127 | 152 | 76 | 15 | 431 |
| 2005 | 98 | 146 | 126 | 150 | 77 | 0 | 597 |
| 2006 | 96 | 285 | 167 | 140 | 117 | 5 | 805 |
| 2007 | 22 | 205 | 189 | 167 | 7 | 0 | 590 |
| 2008 | 30 | 125 | 102 | 231 | 92 | 1 | 580 |
| 2009 | 83 | 238 | 233 | 270 | 5 | 4 | 829 |
| 2010 ^{b/} | 158 | 335 | 155 | 148 | 63 | 4 | 859 |
| 2011 ^{b/} | 93 | 192 | 145 | 125 | 22 | 1 | 577 |
| U.S./Canada Border to Leadbetter Pt. - Total^{c/} | | | | | | | |
| 1976-1980 | 3,543 | 2,399 | 12,069 | 12,200 | 4,569 | 6 | 34,780 |
| 1981-1985 | 2,779 | 388 | 4,804 | 2,701 | 149 | 17 | 10,821 |
| 1986-1990 | 2,393 | 832 | 609 | 1,210 | 164 | 2 | 5,207 |
| 1991-1995 | 1,016 | 704 | 492 | 819 | 230 | 10 | 3,260 |
| 1996-2000 | 208 | 137 | 74 | 173 | 55 | - | 648 |
| 2001 | 262 | 277 | 281 | 242 | 142 | - | 1,204 |
| 2002 | 459 | 225 | 481 | 293 | 41 | 10 | 1,499 |
| 2003 | 445 | 222 | 539 | 472 | 122 | 15 | 1,800 |
| 2004 | 487 | 59 | 519 | 494 | 201 | 15 | 1,760 |
| 2005 | 590 | 250 | 463 | 552 | 77 | 0 | 1,932 |
| 2006 | 455 | 666 | 266 | 436 | 286 | 5 | 2,109 |
| 2007 | 467 | 458 | 543 | 281 | 15 | 0 | 1,764 |
| 2008 | 276 | 478 | 325 | 444 | 152 | 1 | 1,675 |
| 2009 | 550 | 789 | 665 | 590 | 139 | 4 | 2,733 |
| 2010 ^{b/} | 669 | 1,193 | 656 | 576 | 109 | 4 | 3,203 |
| 2011 ^{b/} | 699 | 848 | 593 | 333 | 76 | 1 | 2,549 |

TABLE A-24. U.S./Canada border to Cape Falcon commercial troll salmon fishing effort in days fished by area and month.^{a/}
(Page 2 of 3)

| Year or Avg. | May | June | July | Aug. | Sept. | Oct. | Season |
|---|-------|-------|--------|--------|-------|------|--------|
| <u>Leadbetter Pt. to Cape Falcon - Non-Indian</u> | | | | | | | |
| 1976-1980 | 900 | 838 | 4,419 | 3,751 | 1,920 | 56 | 11,882 |
| 1981-1985 | 969 | 58 | 977 | 906 | 146 | 0 | 3,057 |
| 1986-1990 | 343 | 87 | 467 | 1,162 | 850 | 22 | 1,530 |
| 1991-1995 | 153 | 52 | 113 | 326 | 155 | - | 709 |
| 1996-2000 | 2 | 2 | - | 294 | 29 | - | 85 |
| 2001 | 29 | 27 | 97 | 126 | 39 | - | 318 |
| 2002 | 40 | 57 | 182 | 216 | - | - | 495 |
| 2003 | 113 | 24 | 152 | 175 | 63 | - | 527 |
| 2004 | 51 | 4 | 82 | 106 | 156 | - | 399 |
| 2005 | 230 | 51 | 55 | 283 | - | - | 619 |
| 2006 | 581 | 353 | 3 | 79 | 99 | - | 1,115 |
| 2007 | 99 | 73 | 50 | 179 | 24 | - | 425 |
| 2008 | 313 | 362 | 36 | 65 | 13 | - | 789 |
| 2009 | 79 | 98 | 252 | 173 | 13 | - | 615 |
| 2010 | 92 | 310 | 164 | 137 | 23 | - | 726 |
| 2011 ^{b/} | 127 | 162 | 46 | 27 | 18 | - | 380 |
| <u>U.S./Canada Border to Cape Falcon - Non-Indian Total</u> | | | | | | | |
| 1976-1980 | 4,382 | 3,100 | 16,295 | 15,788 | 6,438 | 56 | 46,058 |
| 1981-1985 | 3,669 | 305 | 5,497 | 3,294 | 149 | 0 | 12,915 |
| 1986-1990 | 2,598 | 895 | 671 | 1,447 | 858 | 22 | 5,377 |
| 1991-1995 | 1,731 | 1,106 | 888 | 879 | 407 | - | 3,756 |
| 1996-2000 | 223 | 126 | 158 | 227 | 19 | - | 487 |
| 2001 | 238 | 239 | 256 | 196 | 77 | - | 1,006 |
| 2002 | 468 | 240 | 602 | 458 | - | - | 1,768 |
| 2003 | 534 | 219 | 628 | 590 | 140 | - | 2,111 |
| 2004 | 511 | 14 | 474 | 448 | 281 | - | 1,728 |
| 2005 | 722 | 155 | 392 | 685 | - | - | 1,954 |
| 2006 | 940 | 734 | 102 | 375 | 268 | - | 2,419 |
| 2007 | 544 | 326 | 404 | 293 | 32 | - | 1,599 |
| 2008 | 559 | 715 | 259 | 278 | 73 | - | 1,884 |
| 2009 | 546 | 649 | 684 | 493 | 147 | - | 2,519 |
| 2010 | 603 | 1,168 | 665 | 565 | 69 | - | 3,070 |
| 2011 ^{b/} | 733 | 818 | 494 | 235 | 72 | - | 2,352 |
| <u>U.S./Canada Border to Cape Falcon - Treaty Indian Total^{c/}</u> | | | | | | | |
| 1976-1980 | 61 | 137 | 192 | 162 | 50 | 6 | 603 |
| 1981-1985 | 79 | 141 | 284 | 313 | 146 | 17 | 963 |
| 1986-1990 | 138 | 168 | 434 | 460 | 161 | 2 | 1,360 |
| 1991-1995 | 69 | 71 | 182 | 311 | 48 | 10 | 682 |
| 1996-2000 | 31 | 38 | 11 | 96 | 53 | - | 229 |
| 2001 | 53 | 65 | 122 | 172 | 104 | - | 516 |
| 2002 | 31 | 42 | 61 | 51 | 41 | 10 | 226 |
| 2003 | 24 | 27 | 63 | 57 | 45 | 15 | 216 |
| 2004 | 27 | 49 | 127 | 152 | 76 | 15 | 431 |
| 2005 | 98 | 146 | 126 | 150 | 77 | 0 | 597 |
| 2006 | 96 | 285 | 167 | 140 | 117 | 5 | 805 |
| 2007 | 22 | 205 | 189 | 167 | 7 | 0 | 590 |
| 2008 | 30 | 125 | 102 | 231 | 92 | 1 | 580 |
| 2009 | 83 | 238 | 233 | 270 | 5 | 4 | 829 |
| 2010 ^{b/} | 158 | 335 | 155 | 148 | 63 | 4 | 859 |
| 2011 ^{b/} | 93 | 192 | 145 | 125 | 22 | 1 | 577 |

TABLE A-24. U.S./Canada border to Cape Falcon commercial troll salmon fishing effort in days fished by area and month.^{a/}
 (Page 3 of 3)

| Year or Avg. | May | June | July | Aug. | Sept. | Oct. | Season |
|--|-------|-------|--------|--------|-------|------|--------|
| U.S./Canada Border to Cape Falcon - Total Treaty Indian and Non-Indian^{c/} | | | | | | | |
| 1976-1980 | 4,598 | 1,584 | 14,872 | 14,595 | 3,982 | 38 | 39,663 |
| 1981-1985 | 3,186 | 443 | 3,575 | 1,919 | 273 | 16 | 9,396 |
| 1986-1990 | 2,569 | 1,036 | 678 | 1,862 | 635 | 16 | 6,784 |
| 1991-1995 | 720 | 519 | 515 | 556 | 178 | 0 | 2,489 |
| 1996-2000 | 265 | 193 | 105 | 239 | 79 | - | 881 |
| 2001 | 291 | 304 | 378 | 368 | 181 | - | 1,522 |
| 2002 | 499 | 282 | 663 | 509 | 41 | 10 | 1,994 |
| 2003 | 558 | 246 | 691 | 647 | 185 | 15 | 2,327 |
| 2004 | 538 | 63 | 601 | 600 | 357 | 15 | 2,159 |
| 2005 | 820 | 301 | 518 | 835 | 77 | 0 | 2,551 |
| 2006 | 1,036 | 1,019 | 269 | 515 | 385 | 5 | 3,224 |
| 2007 | 566 | 531 | 593 | 460 | 39 | 0 | 2,189 |
| 2008 | 589 | 840 | 361 | 509 | 165 | 1 | 2,464 |
| 2009 | 629 | 887 | 917 | 763 | 152 | 4 | 3,348 |
| 2010 ^{b/} | 761 | 1,503 | 820 | 713 | 132 | 4 | 3,929 |
| 2011 ^{b/} | 826 | 1,010 | 639 | 360 | 94 | 1 | 2,929 |

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month. Washington data are summarized by statistical month.

b/ Preliminary.

c/ Treaty troll effort in number of landings, which closely approximates days fished because treaty Indian fishers do not usually make multi-day trips. Season totals do not include January-April, October, or November-December treaty troll effort.

TABLE A-25. U.S./Canada border to Cape Falcon ocean troll Chinook and coho landings in number of fish by catch area and month.^{a/} (Page 1 of 4)

| Year or Avg. | May | June | July | Aug. | Sept. | Oct. | Season | May | June | July | Aug. | Sept. | Oct. | Season |
|--|--------|--------|--------|--------|-------|------|-------------|-----|---------|---------|---------|--------|------|---------|
| CHINOOK | | | | | | | COHO | | | | | | | |
| <u>U.S./Canada Border to Leadbetter Pt. - Non-Indian</u> | | | | | | | | | | | | | | |
| 1976-1980 | 41,761 | 24,669 | 51,037 | 33,083 | 9,456 | - | 160,006 | 97 | 134,856 | 303,327 | 174,800 | 62,229 | - | 567,347 |
| 1981-1985 | 25,195 | 3,442 | 24,381 | 4,671 | 31 | - | 52,131 | - | - | 117,950 | 25,994 | 100 | - | 120,394 |
| 1986-1990 | 27,081 | 11,294 | 8,914 | 1,811 | 11 | - | 41,133 | - | - | 18,447 | 34,981 | 16 | - | 35,367 |
| 1991-1995 | 15,857 | 11,859 | 3,929 | 1,279 | 1,118 | - | 24,589 | - | - | 7,119 | 13,592 | 8,242 | - | 23,332 |
| 1996-2000 | 5,247 | 2,897 | 4,030 | 1,456 | 3 | - | 9,880 | - | - | 3,905 | 5,207 | 193 | - | 7,939 |
| 2001 | 7,092 | 7,188 | 4,940 | 846 | 219 | - | 20,285 | - | - | 1,969 | 2,070 | 2,615 | - | 6,654 |
| 2002 | 18,010 | 11,001 | 15,271 | 7,781 | - | - | 52,063 | - | - | - | 53 | - | - | 53 |
| 2003 | 17,920 | 8,808 | 14,372 | 12,056 | 1,126 | - | 54,282 | - | - | 3,279 | 3,755 | 633 | - | 7,667 |
| 2004 | 15,254 | 1,157 | 7,891 | 8,885 | 1,827 | - | 35,014 | - | - | 2,042 | 4,652 | 5,469 | - | 12,163 |
| 2005 | 18,294 | 2,204 | 6,009 | 7,073 | - | - | 33,580 | - | - | 166 | 638 | - | - | 804 |
| 2006 | 4,735 | 3,548 | 1,073 | 3,458 | 1,831 | - | 14,645 | - | - | 122 | 816 | 253 | - | 1,191 |
| 2007 | 5,693 | 3,868 | 3,459 | 721 | 27 | - | 13,768 | - | - | 1,944 | 1,043 | 34 | - | 3,021 |
| 2008 | 1,451 | 3,350 | 1,173 | 1,161 | 259 | - | 7,394 | - | - | 351 | 917 | 361 | - | 1,629 |
| 2009 | 5,545 | 4,095 | 1,615 | 680 | 120 | - | 12,055 | - | - | 4,857 | 9,281 | 3,663 | - | 17,801 |
| 2010 | 8,219 | 22,332 | 6,113 | 7,267 | 282 | - | 44,213 | - | - | 1,085 | 744 | 124 | - | 1,953 |
| 2011 ^{b/} | 7,682 | 9,315 | 6,015 | 2,520 | 338 | - | 25,870 | - | - | 1,630 | 892 | 493 | - | 3,015 |
| <u>U.S./Canada Border to Leadbetter Pt. - Treaty Indian^{c/}</u> | | | | | | | | | | | | | | |
| 1976-1980 | 787 | 2,037 | 1,776 | 415 | 70 | 11 | 5,086 | 720 | 7,677 | 2,915 | 1,275 | 443 | 11 | 13,030 |
| 1981-1985 | 2,150 | 1,883 | 3,636 | 1,336 | 1,018 | 198 | 10,023 | 283 | 7,435 | 16,406 | 24,484 | 16,666 | 54 | 65,274 |
| 1986-1990 | 6,877 | 5,955 | 6,726 | 4,506 | 1,248 | 12 | 25,312 | 3 | 4,256 | 32,310 | 35,942 | 11,051 | 7 | 83,563 |
| 1991-1995 | 4,343 | 4,181 | 3,511 | 4,243 | 571 | 29 | 16,849 | 1 | 1 | 17,220 | 26,038 | 5,275 | 103 | 48,535 |
| 1996-2000 | 2,580 | 6,524 | 446 | 3,806 | 1,893 | - | 15,249 | 0 | 0 | 15 | 11,063 | 8,533 | - | 19,611 |
| 2001 | 2,278 | 13,705 | 6,561 | 2,988 | 3,311 | - | 28,843 | 0 | 12 | 8,510 | 27,984 | 22,089 | - | 58,595 |
| 2002 | 5,364 | 11,206 | 12,079 | 8,074 | 3,123 | 30 | 39,846 | 1 | 1 | 3,449 | 4,929 | 9,042 | 80 | 17,422 |
| 2003 | 2,856 | 13,039 | 12,935 | 5,232 | 1,110 | 35 | 35,172 | 3 | 0 | 4,449 | 4,276 | 2,214 | 85 | 10,942 |
| 2004 | 9,947 | 16,977 | 10,765 | 6,960 | 5,086 | 25 | 49,735 | 3 | 3 | 16,133 | 36,684 | 9,274 | 100 | 62,097 |
| 2005 | 6,858 | 18,374 | 4,971 | 8,100 | 3,672 | 0 | 41,975 | 3 | 1 | 3,756 | 15,949 | 4,288 | 0 | 23,997 |
| 2006 | 2,821 | 8,341 | 7,736 | 6,690 | 4,957 | 15 | 30,545 | 16 | 102 | 10,475 | 10,634 | 10,711 | 5 | 31,938 |
| 2007 | 316 | 14,629 | 3,349 | 4,579 | 70 | 0 | 22,943 | 0 | 12 | 22,743 | 16,423 | 860 | 0 | 40,038 |
| 2008 | 358 | 8,864 | 2,099 | 6,007 | 3,579 | 1 | 20,907 | 0 | 18 | 865 | 3,561 | 9,820 | 0 | 14,264 |
| 2009 | 1,494 | 5,828 | 2,329 | 2,566 | 37 | 25 | 12,254 | 0 | 0 | 25,422 | 35,141 | 100 | 15 | 60,663 |
| 2010 ^{b/} | 1,931 | 12,150 | 6,943 | 9,691 | 1,631 | 10 | 32,346 | 2 | 63 | 2,015 | 5,058 | 4,285 | 15 | 11,423 |
| 2011 ^{b/} | 1,120 | 8,808 | 14,706 | 6,633 | 418 | 1 | 31,685 | 0 | 0 | 2,091 | 4,801 | 6,721 | 0 | 13,613 |

TABLE A-25. U.S./Canada border to Cape Falcon ocean troll Chinook and coho landings in number of fish by catch area and month.^{a/} (Page 2 of 4)

| Year or Avg. | May | June | July | Aug. | Sept. | Oct. | Season | May | June | July | Aug. | Sept. | Oct. | Season |
|--|--------|--------|--------|--------|-------|------|---------|-------------|--------|---------|---------|--------|-------|---------|
| CHINOOK | | | | | | | | COHO | | | | | | |
| U.S./Canada Border to Leadbetter Pt. - Total^{d/} | | | | | | | | | | | | | | |
| 1976-1980 | 42,548 | 26,706 | 52,813 | 33,498 | 9,526 | 11 | 165,092 | 740 | 34,648 | 306,242 | 176,074 | 62,673 | 11 | 580,376 |
| 1981-1985 | 27,345 | 4,637 | 23,141 | 6,007 | 1,024 | 198 | 62,154 | 283 | 7,435 | 110,766 | 50,478 | 16,706 | 54 | 185,667 |
| 1986-1990 | 33,958 | 14,990 | 10,291 | 5,955 | 1,250 | 12 | 66,445 | 3 | 4,256 | 39,689 | 63,927 | 11,054 | 7 | 118,930 |
| 1991-1995 | 13,857 | 11,297 | 5,082 | 5,266 | 1,018 | 29 | 36,520 | 1 | 1 | 20,068 | 36,911 | 10,220 | 103 | 67,200 |
| 1996-2000 | 6,778 | 8,842 | 1,252 | 4,389 | 1,893 | - | 23,153 | 0 | 0 | 1,577 | 14,187 | 8,610 | - | 24,375 |
| 2001 | 9,370 | 20,893 | 11,501 | 3,834 | 3,530 | - | 49,128 | 0 | 12 | 10,479 | 30,054 | 24,704 | - | 65,249 |
| 2002 | 23,374 | 22,207 | 27,350 | 15,855 | 3,123 | 30 | 91,909 | 1 | 1 | 3,449 | 4,982 | 9,042 | 80 | 17,475 |
| 2003 | 20,776 | 21,847 | 27,307 | 17,288 | 2,236 | 35 | 89,454 | 3 | 0 | 7,728 | 8,031 | 2,847 | 85 | 18,609 |
| 2004 | 25,201 | 18,134 | 18,656 | 15,845 | 6,913 | 25 | 84,749 | 3 | 3 | 18,175 | 41,336 | 14,743 | 100 | 74,260 |
| 2005 | 25,152 | 20,578 | 10,980 | 15,173 | 3,672 | 0 | 75,555 | 3 | 1 | 3,922 | 16,587 | 4,288 | 0 | 24,801 |
| 2006 | 7,556 | 11,889 | 8,809 | 10,148 | 6,788 | 15 | 45,190 | 16 | 102 | 10,597 | 11,450 | 10,964 | 5 | 33,129 |
| 2007 | 6,009 | 18,497 | 6,808 | 5,300 | 97 | 0 | 36,711 | 0 | 12 | 24,687 | 17,466 | 894 | 0 | 43,059 |
| 2008 | 1,809 | 12,214 | 3,272 | 7,168 | 3,838 | 1 | 28,301 | 0 | 18 | 1,216 | 4,478 | 10,181 | 0 | 15,893 |
| 2009 | 7,039 | 9,923 | 3,944 | 3,246 | 157 | 25 | 24,309 | 0 | 0 | 30,279 | 44,422 | 3,763 | 15 | 78,464 |
| 2010 ^{b/} | 10,150 | 34,482 | 13,056 | 16,958 | 1,913 | 10 | 76,559 | 2 | 63 | 3,100 | 5,802 | 4,409 | 15 | 13,376 |
| 2011 ^{b/} | 8,802 | 18,123 | 20,721 | 9,153 | 756 | 1 | 57,555 | 0 | 0 | 3,721 | 5,693 | 7,214 | 0 | 16,628 |
| Leadbetter Pt. to Cape Falcon - Non-Indian | | | | | | | | | | | | | | |
| 1976-1980 | 13,048 | 10,310 | 7,546 | 5,975 | 4,004 | 577 | 41,459 | 6 | 37,584 | 95,592 | 40,793 | 21,260 | 1,875 | 189,215 |
| 1981-1985 | 11,202 | 758 | 1,884 | 775 | 107 | 2 | 14,728 | - | - | 48,629 | 26,289 | 15,916 | - | 53,392 |
| 1986-1990 | 4,789 | 1,264 | 3,549 | 2,691 | 1,702 | 71 | 8,566 | - | - | 18,234 | 41,121 | 19,306 | 304 | 45,128 |
| 1991-1995 | 1,465 | 357 | 134 | 344 | 103 | - | 2,323 | - | - | 911 | 12,674 | 3,937 | - | 15,906 |
| 1996-2000 | 9 | 64 | - | 2,464 | 89 | - | 710 | - | - | - | 7,021 | 1,043 | - | 7,542 |
| 2001 | 898 | 1,713 | 1,036 | 901 | 487 | - | 5,035 | - | - | 4,052 | 3,970 | 2,769 | - | 10,791 |
| 2002 | 1,226 | 3,237 | 5,096 | 4,994 | - | - | 14,553 | - | - | - | 1,642 | - | - | 1,642 |
| 2003 | 5,717 | 1,281 | 1,796 | 2,760 | 750 | - | 12,304 | - | - | 1,890 | 4,169 | 1,672 | - | 7,731 |
| 2004 | 1,940 | 94 | 453 | 430 | 559 | - | 3,476 | - | - | 906 | 1,708 | 7,355 | - | 9,969 |
| 2005 | 5,373 | 1,235 | 629 | 4,334 | - | - | 11,571 | - | - | 358 | 2,898 | - | - | 3,256 |
| 2006 | 8,913 | 3,532 | 1 | 62 | 105 | - | 12,613 | - | - | 17 | 1,211 | 260 | - | 1,488 |
| 2007 | 950 | 600 | 158 | 213 | 22 | - | 1,943 | - | 22 | 1,378 | 12,735 | 283 | - | 14,418 |
| 2008 | 2,977 | 3,355 | 136 | 185 | 23 | - | 6,676 | - | - | 53 | 422 | 37 | - | 512 |
| 2009 | 265 | 281 | 260 | 163 | 4 | - | 973 | - | - | 9,652 | 5,125 | 165 | - | 14,942 |
| 2010 | 790 | 6,882 | 2,289 | 1,894 | 151 | - | 12,006 | - | - | 735 | 405 | 49 | - | 1,189 |
| 2011 ^{b/} | 1,529 | 1,943 | 115 | 251 | 30 | - | 3,868 | - | - | 235 | 172 | 95 | - | 502 |

TABLE A-25. U.S./Canada border to Cape Falcon ocean troll Chinook and coho landings in number of fish by catch area and month.^{a/} (Page 3 of 4)

| Year or Avg. | May | June | July | Aug. | Sept. | Oct. | Season | May | June | July | Aug. | Sept. | Oct. | Season |
|---|--------|--------|--------|--------|--------|------|-------------|-----|--------|---------|---------|--------|-------|---------|
| CHINOOK | | | | | | | COHO | | | | | | | |
| <u>U.S./Canada Border to Cape Falcon - Non-Indian</u> | | | | | | | | | | | | | | |
| 1976-1980 | 54,809 | 34,978 | 58,583 | 39,058 | 13,460 | 577 | 201,465 | 36 | 71,298 | 398,919 | 215,593 | 83,490 | 1,875 | 756,562 |
| 1981-1985 | 36,397 | 3,511 | 21,389 | 5,446 | 113 | 2 | 66,859 | - | - | 154,422 | 47,025 | 5,372 | - | 173,785 |
| 1986-1990 | 31,870 | 12,242 | 10,688 | 3,829 | 1,708 | 71 | 49,699 | - | - | 27,564 | 65,822 | 19,314 | 304 | 71,470 |
| 1991-1995 | 17,321 | 12,216 | 4,063 | 1,537 | 1,220 | - | 26,331 | - | - | 8,030 | 23,097 | 10,866 | - | 35,261 |
| 1996-2000 | 5,255 | 2,961 | 4,030 | 2,688 | 92 | - | 10,590 | - | - | 3,905 | 9,887 | 715 | - | 12,967 |
| 2001 | 7,990 | 8,901 | 5,976 | 1,747 | 706 | - | 25,320 | - | - | 6,021 | 6,040 | 5,384 | - | 17,445 |
| 2002 | 19,236 | 14,238 | 20,367 | 12,775 | - | - | 66,616 | - | - | - | 1,695 | - | - | 1,695 |
| 2003 | 23,637 | 10,089 | 16,168 | 14,816 | 1,876 | - | 66,586 | - | - | 5,169 | 7,924 | 2,305 | - | 15,398 |
| 2004 | 17,194 | 1,251 | 8,344 | 9,315 | 2,386 | - | 38,490 | - | - | 2,948 | 6,360 | 12,824 | - | 22,132 |
| 2005 | 23,667 | 3,439 | 6,638 | 11,407 | - | - | 45,151 | - | - | 524 | 3,536 | - | - | 4,060 |
| 2006 | 13,648 | 7,080 | 1,074 | 3,520 | 1,936 | - | 27,258 | - | - | 139 | 2,027 | 513 | - | 2,679 |
| 2007 | 6,643 | 4,468 | 3,617 | 934 | 49 | - | 15,711 | - | 22 | 3,322 | 13,778 | 317 | - | 17,439 |
| 2008 | 4,428 | 6,705 | 1,309 | 1,346 | 282 | - | 14,070 | - | - | 404 | 1,339 | 398 | - | 2,141 |
| 2009 | 5,810 | 4,376 | 1,875 | 843 | 124 | - | 13,028 | - | - | 14,509 | 14,406 | 3,828 | - | 32,743 |
| 2010 | 9,009 | 29,214 | 8,402 | 9,161 | 433 | - | 56,219 | - | - | 1,820 | 1,149 | 173 | - | 3,142 |
| 2011 ^{b/} | 9,211 | 11,258 | 6,130 | 2,771 | 368 | - | 29,738 | - | - | 1,865 | 1,064 | 588 | - | 3,517 |
| <u>U.S./Canada Border to Cape Falcon - Treaty Indian^{c/}</u> | | | | | | | | | | | | | | |
| 1976-1980 | 787 | 2,037 | 1,776 | 415 | 70 | 11 | 5,086 | 720 | 7,677 | 2,915 | 1,275 | 443 | 11 | 13,030 |
| 1981-1985 | 2,150 | 1,883 | 3,636 | 1,336 | 1,018 | 198 | 10,023 | 283 | 7,435 | 16,406 | 24,484 | 16,666 | 54 | 65,274 |
| 1986-1990 | 6,877 | 5,955 | 6,726 | 4,506 | 1,248 | 12 | 25,312 | 3 | 4,256 | 32,310 | 35,942 | 11,051 | 7 | 83,563 |
| 1991-1995 | 4,343 | 4,181 | 3,511 | 4,243 | 571 | 29 | 16,849 | 1 | 1 | 17,220 | 26,038 | 5,275 | 103 | 48,535 |
| 1996-2000 | 2,580 | 6,524 | 446 | 3,806 | 1,893 | - | 15,249 | 0 | 0 | 15 | 11,063 | 8,533 | - | 19,611 |
| 2001 | 2,278 | 13,705 | 6,561 | 2,988 | 3,311 | - | 28,843 | 0 | 12 | 8,510 | 27,984 | 22,089 | - | 58,595 |
| 2002 | 5,364 | 11,206 | 12,079 | 8,074 | 3,123 | 30 | 39,846 | 1 | 1 | 3,449 | 4,929 | 9,042 | 80 | 17,422 |
| 2003 | 2,856 | 13,039 | 12,935 | 5,232 | 1,110 | 35 | 35,172 | 3 | 0 | 4,449 | 4,276 | 2,214 | 85 | 10,942 |
| 2004 | 9,947 | 16,977 | 10,765 | 6,960 | 5,086 | 25 | 49,735 | 3 | 3 | 16,133 | 36,684 | 9,274 | 100 | 62,097 |
| 2005 | 6,858 | 18,374 | 4,971 | 8,100 | 3,672 | 0 | 41,975 | 3 | 1 | 3,756 | 15,949 | 4,288 | 0 | 23,997 |
| 2006 | 2,821 | 8,341 | 7,736 | 6,690 | 4,957 | 15 | 30,545 | 16 | 102 | 10,475 | 10,634 | 10,711 | 5 | 31,938 |
| 2007 | 316 | 14,629 | 3,349 | 4,579 | 70 | 0 | 22,943 | 0 | 12 | 22,743 | 16,423 | 860 | 0 | 40,038 |
| 2008 | 358 | 8,864 | 2,099 | 6,007 | 3,579 | 1 | 20,907 | 0 | 18 | 865 | 3,561 | 9,820 | 0 | 14,264 |
| 2009 | 1,494 | 5,828 | 2,329 | 2,566 | 37 | 25 | 12,254 | 0 | 0 | 25,422 | 35,141 | 100 | 15 | 60,663 |
| 2010 ^{b/} | 1,931 | 12,150 | 6,943 | 9,691 | 1,631 | 10 | 32,346 | 2 | 63 | 2,015 | 5,058 | 4,285 | 15 | 11,423 |
| 2011 ^{b/} | 1,120 | 8,808 | 14,706 | 6,633 | 418 | 1 | 31,685 | 0 | 0 | 2,091 | 4,801 | 6,721 | 0 | 13,613 |

TABLE A-25. U.S./Canada border to Cape Falcon ocean troll Chinook and coho landings in number of fish by catch area and month.^{a/} (Page 4 of 4)

| Year or Avg. | May | June | July | Aug. | Sept. | Oct. | Season | May | June | July | Aug. | Sept. | Oct. | Season |
|--|----------------|--------|--------|--------|--------|------|---------|-------------|--------|---------|---------|--------|-------|---------|
| | CHINOOK | | | | | | | COHO | | | | | | |
| U.S./Canada Border to Cape Falcon - Total Treaty Indian and Non-Indian^{c/} | | | | | | | | | | | | | | |
| 1976-1980 | 55,596 | 37,016 | 60,359 | 39,473 | 13,530 | 588 | 206,551 | 742 | 64,715 | 401,834 | 216,868 | 83,933 | 1,511 | 769,591 |
| 1981-1985 | 38,547 | 5,395 | 25,025 | 6,782 | 1,131 | 201 | 76,882 | 283 | 7,435 | 139,943 | 71,509 | 19,889 | 54 | 239,059 |
| 1986-1990 | 38,747 | 15,749 | 11,001 | 7,570 | 1,931 | 26 | 75,011 | 3 | 4,256 | 43,336 | 88,600 | 18,777 | 68 | 155,033 |
| 1991-1995 | 14,736 | 11,511 | 5,136 | 5,472 | 1,059 | 29 | 37,914 | 1 | 1 | 20,432 | 44,516 | 11,795 | 103 | 76,744 |
| 1996-2000 | 6,784 | 8,892 | 1,252 | 4,881 | 1,911 | - | 23,721 | 0 | 0 | 1,577 | 16,996 | 8,819 | - | 27,392 |
| 2001 | 10,268 | 22,606 | 12,537 | 4,735 | 4,017 | - | 54,163 | 0 | 12 | 14,531 | 34,024 | 27,473 | - | 76,040 |
| 2002 | 24,600 | 25,444 | 32,446 | 20,849 | 3,123 | 30 | 106,462 | 1 | 1 | 3,449 | 6,624 | 9,042 | 80 | 19,117 |
| 2003 | 26,493 | 23,128 | 29,103 | 20,048 | 2,986 | 35 | 101,758 | 3 | 0 | 9,618 | 12,200 | 4,519 | 85 | 26,340 |
| 2004 | 27,141 | 18,228 | 19,109 | 16,275 | 7,472 | 25 | 88,225 | 3 | 3 | 19,081 | 43,044 | 22,098 | 100 | 84,229 |
| 2005 | 30,525 | 21,813 | 11,609 | 19,507 | 3,672 | 0 | 87,126 | 3 | 1 | 4,280 | 19,485 | 4,288 | 0 | 28,057 |
| 2006 | 16,469 | 15,421 | 8,810 | 10,210 | 6,893 | 15 | 57,803 | 16 | 102 | 10,614 | 12,661 | 11,224 | 5 | 34,617 |
| 2007 | 6,959 | 19,097 | 6,966 | 5,513 | 119 | 0 | 38,654 | 0 | 34 | 26,065 | 30,201 | 1,177 | 0 | 57,477 |
| 2008 | 4,786 | 15,569 | 3,408 | 7,353 | 3,861 | 1 | 34,977 | 0 | 18 | 1,269 | 4,900 | 10,218 | 0 | 16,405 |
| 2009 | 7,304 | 10,204 | 4,204 | 3,409 | 161 | 25 | 25,282 | 0 | 0 | 39,931 | 49,547 | 3,928 | 15 | 93,406 |
| 2010 ^{b/} | 10,940 | 41,364 | 15,345 | 18,852 | 2,064 | 10 | 88,565 | 2 | 63 | 3,835 | 6,207 | 4,458 | 15 | 14,565 |
| 2011 ^{b/} | 10,331 | 20,066 | 20,836 | 9,404 | 786 | 1 | 61,423 | 0 | 0 | 3,956 | 5,865 | 7,309 | 0 | 17,130 |

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month. Washington data are summarized by statistical month.

b/ Preliminary.

c/ Season totals do not include January-April, October, or November-December treaty troll catches.

TABLE A-26. U.S./Canada border to Cape Falcon ocean troll pink salmon landings in numbers of fish by catch area and month (odd-year averages).^{a/} (Page 1 of 2)

| Year or Avg. | May | June | July | Aug. | Sept. | Oct. | Season |
|--|-----|-------|--------|---------|-------|------|---------|
| <u>U.S./Canada Border to Leadbetter Pt. - Non-Indian</u> | | | | | | | |
| 1976-1980 | 565 | 444 | 94,872 | 308,655 | 4,747 | - | 409,282 |
| 1981-1985 | 230 | 33 | 50,591 | 86,991 | 415 | - | 138,123 |
| 1986-1990 | 115 | 182 | 2,642 | 36,286 | - | - | 19,670 |
| 1991-1995 | 10 | 9 | 88 | 25,340 | 390 | - | 25,772 |
| 1997 | 2 | 3 | - | - | - | - | 5 |
| 1999 | 0 | 1 | 31 | 21 | 0 | - | 53 |
| 2001 | 1 | 9 | 20 | 0 | 0 | - | 30 |
| 2003 | 0 | 0 | 142 | 63 | 10 | - | 215 |
| 2005 | 4 | 0 | 2 | 2 | - | - | 8 |
| 2007 | 8 | 19 | 119 | 1 | 0 | - | 147 |
| 2009 | 1 | 14 | 82 | 37 | 1 | - | 0 |
| 2011 ^{b/} | 0 | 3 | 118 | 93 | 1 | - | 135 |
| <u>U.S./Canada Border to Leadbetter Pt. - Treaty Indian^{c/}</u> | | | | | | | |
| 1976-1980 | 49 | 1,550 | 1,053 | 3,019 | 21 | 0 | 5,691 |
| 1981-1985 | 32 | 214 | 2,208 | 7,806 | 320 | 0 | 10,580 |
| 1986-1990 | 5 | 10 | 8,991 | 4,254 | 591 | 0 | 13,851 |
| 1991-1995 | 0 | 1 | 499 | 5,519 | 261 | 0 | 6,280 |
| 1997 | 0 | 0 | 0 | 1,757 | 53 | - | 1,810 |
| 1999 | 0 | 0 | 0 | 1,388 | 108 | - | 1,496 |
| 2001 | 11 | 0 | 696 | 1,537 | 207 | - | 2,451 |
| 2003 | 0 | 0 | 172 | 41 | 23 | 0 | 236 |
| 2005 | 0 | 0 | 186 | 198 | 3 | 0 | 387 |
| 2007 | 0 | 7 | 326 | 251 | 0 | 0 | 584 |
| 2009 | 0 | 0 | 431 | 369 | 0 | 0 | 800 |
| 2011 ^{b/} | 0 | 6 | 715 | 334 | 16 | 0 | 1,071 |
| <u>U.S./Canada Border to Leadbetter Pt. - Total^{c/}</u> | | | | | | | |
| 1976-1980 | 614 | 1,993 | 95,925 | 311,674 | 4,768 | 0 | 414,973 |
| 1981-1985 | 262 | 247 | 52,799 | 94,798 | 597 | 0 | 148,703 |
| 1986-1990 | 120 | 101 | 10,312 | 22,397 | 591 | 0 | 33,520 |
| 1991-1995 | 7 | 7 | 528 | 30,859 | 651 | 0 | 32,052 |
| 1997 | 2 | 3 | 0 | 1,757 | 53 | - | 1,815 |
| 1999 | 0 | 1 | 31 | 1,409 | 108 | - | 1,549 |
| 2001 | 12 | 9 | 716 | 1,537 | 207 | - | 2,481 |
| 2003 | 0 | 0 | 314 | 104 | 33 | 0 | 451 |
| 2005 | 4 | 0 | 188 | 200 | 3 | 0 | 395 |
| 2007 | 8 | 26 | 445 | 252 | 0 | 0 | 731 |
| 2009 | 1 | 14 | 513 | 406 | 1 | 0 | 800 |
| 2011 ^{b/} | 0 | 9 | 833 | 427 | 17 | 0 | 1,206 |
| <u>Leadbetter Pt. to Cape Falcon - Non-Indian</u> | | | | | | | |
| 1976-1980 | 5 | 36 | 3,110 | 3,798 | 1,052 | - | 8,000 |
| 1981-1985 | 5 | 4 | 842 | 2,327 | 0 | 0 | 3,178 |
| 1986-1990 | 0 | 0 | 109 | 1 | 1 | 0 | 111 |
| 1991-1995 | 0 | 0 | 0 | 55 | 0 | - | 55 |
| 1997 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 2001 | 195 | 50 | 50 | 51 | 0 | - | 346 |
| 2003 | 0 | 2 | 43 | 16 | 0 | - | 61 |
| 2005 | 0 | 0 | 1 | 1 | 1 | - | 3 |
| 2007 | 65 | 0 | 4 | 11 | 0 | - | 80 |
| 2009 | 0 | 0 | 2 | 8 | 8 | - | 18 |
| 2011 ^{b/} | 0 | 36 | 5 | 8 | 0 | - | 49 |

TABLE A-26. U.S./Canada border to Cape Falcon ocean troll pink salmon landings in numbers of fish by catch area and month (odd-year averages).^{a/} (Page 2 of 2)

| Year or Avg. | May | June | July | Aug. | Sept. | Oct. | Season |
|--|-----|-------|--------|---------|-------|------|---------|
| <u>U.S./Canada Border to Cape Falcon - Non-Indian</u> | | | | | | | |
| 1976-1980 | 570 | 479 | 97,982 | 312,453 | 5,799 | - | 417,282 |
| 1981-1985 | 235 | 37 | 51,434 | 89,318 | 277 | - | 141,301 |
| 1986-1990 | 115 | 91 | 1,430 | 18,144 | 1 | - | 19,781 |
| 1991-1995 | 7 | 6 | 29 | 25,395 | 390 | - | 25,827 |
| 1997 | 2 | 3 | 0 | 0 | 0 | - | 5 |
| 1999 | 0 | 1 | 31 | 21 | 0 | - | 53 |
| 2001 | 196 | 59 | 70 | 51 | 0 | - | 376 |
| 2003 | 0 | 2 | 185 | 79 | 10 | - | 276 |
| 2005 | 4 | 0 | 3 | 3 | 1 | - | 11 |
| 2007 | 73 | 19 | 123 | 12 | 0 | - | 227 |
| 2009 | 1 | 14 | 84 | 45 | 9 | - | 18 |
| 2011 ^{b/} | 0 | 39 | 123 | 101 | 1 | - | 184 |
| <u>U.S./Canada Border to Cape Falcon - Treaty Indian^{c/}</u> | | | | | | | |
| 1976-1980 | 49 | 1,550 | 1,053 | 3,019 | 21 | 0 | 5,691 |
| 1981-1985 | 32 | 214 | 2,208 | 7,806 | 320 | 0 | 10,580 |
| 1986-1990 | 5 | 10 | 8,991 | 4,254 | 591 | 0 | 13,851 |
| 1991-1995 | 0 | 1 | 499 | 5,519 | 261 | 0 | 6,280 |
| 1991 | 0 | 2 | 1,148 | 3,356 | 0 | 0 | 4,506 |
| 1993 | 0 | 0 | 349 | 2,261 | 783 | 0 | 3,393 |
| 1995 | 0 | 0 | 0 | 10,940 | 0 | 0 | 10,940 |
| 1997 | 0 | 0 | 0 | 1,757 | 53 | - | 1,810 |
| 1999 | 0 | 0 | 0 | 1,388 | 108 | - | 1,496 |
| 2001 | 11 | 0 | 696 | 1,537 | 207 | - | 2,451 |
| 2003 | 0 | 0 | 172 | 41 | 23 | 0 | 236 |
| 2005 | 0 | 0 | 186 | 198 | 3 | 0 | 387 |
| 2007 | 0 | 7 | 326 | 251 | 0 | 0 | 584 |
| 2009 | 0 | 0 | 431 | 369 | 0 | 0 | 800 |
| 2011 ^{b/} | 0 | 6 | 715 | 334 | 16 | 0 | 1,071 |
| <u>U.S./Canada Border to Cape Falcon - Total^{c/}</u> | | | | | | | |
| 1976-1980 | 619 | 2,029 | 99,035 | 315,472 | 5,820 | 0 | 422,973 |
| 1981-1985 | 267 | 251 | 53,641 | 97,124 | 597 | 0 | 151,881 |
| 1986-1990 | 120 | 101 | 10,421 | 22,398 | 592 | 0 | 33,631 |
| 1991-1995 | 7 | 7 | 528 | 30,914 | 651 | 0 | 32,107 |
| 1997 | 2 | 3 | 0 | 1,757 | 53 | - | 1,815 |
| 1999 | 0 | 1 | 31 | 1,409 | 108 | - | 1,549 |
| 2001 | 207 | 59 | 766 | 1,588 | 207 | - | 2,827 |
| 2003 | 0 | 2 | 357 | 120 | 33 | 0 | 512 |
| 2005 | 4 | 0 | 189 | 201 | 4 | 0 | 398 |
| 2007 | 73 | 26 | 449 | 263 | 0 | 0 | 811 |
| 2009 | 1 | 14 | 515 | 414 | 9 | 0 | 818 |
| 2011 ^{b/} | 0 | 45 | 838 | 435 | 17 | 0 | 1,255 |

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month. Washington data are summarized by statistical month.

b/ Preliminary.

c/ Season totals do not include October treaty troll catches.

TABLE A-27. U.S./Canada border to Cape Falcon ocean recreational fishing effort in salmon angler trips by area and month.^{a/}

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season ^{b/} |
|--|-------|--------|--------|---------|---------|--------|-------|----------------------|
| <u>U.S./Canada Border to Leadbetter Pt.^{c/}</u> | | | | | | | | |
| 1976-1980 | 3,118 | 13,778 | 42,809 | 87,445 | 95,907 | 33,240 | 3,554 | 279,228 |
| 1981-1985 | 80 | 3,331 | 16,943 | 44,629 | 38,938 | 5,555 | 196 | 109,593 |
| 1986-1990 | - | 1,190 | 4,199 | 45,977 | 23,931 | 4,377 | 40 | 78,144 |
| 1991-1995 | - | 1,258 | 4,959 | 31,219 | 25,149 | 9,425 | 714 | 67,841 |
| 1996-2000 | - | - | - | 10,921 | 14,366 | 2,674 | - | 25,776 |
| 2001 | - | - | - | 37,754 | 23,732 | 9,291 | 239 | 71,016 |
| 2002 | - | 2,496 | 13,613 | 21,404 | 19,160 | 1,719 | 113 | 58,505 |
| 2003 | - | - | 5,894 | 32,630 | 27,968 | 6,247 | 128 | 72,867 |
| 2004 | - | - | 2,013 | 31,942 | 26,905 | 8,013 | 20 | 68,893 |
| 2005 | - | - | 1,119 | 25,889 | 22,504 | 8,870 | 160 | 58,541 |
| 2006 | - | - | 1,119 | 16,486 | 20,679 | 3,551 | 258 | 42,093 |
| 2007 | - | - | - | 17,482 | 21,514 | 3,555 | 0 | 42,551 |
| 2008 | - | - | 4,007 | 11,392 | 9,171 | 2,564 | 38 | 27,171 |
| 2009 | - | - | 1,104 | 18,115 | 32,546 | 7,402 | 212 | 59,379 |
| 2010 | - | - | 9,451 | 18,380 | 19,546 | 6,282 | 154 | 53,813 |
| 2011 ^{d/} | - | - | 5,537 | 17,334 | 21,178 | 4,787 | 16 | 48,852 |
| <u>Leadbetter Pt. to Cape Falcon</u> | | | | | | | | |
| 1976-1980 | 609 | 5,560 | 29,391 | 59,424 | 87,656 | 27,001 | 2,407 | 211,327 |
| 1981-1985 | - | 1,165 | 10,828 | 35,085 | 31,281 | 4,835 | 721 | 79,973 |
| 1986-1990 | - | 444 | 2,751 | 28,624 | 27,098 | 2,493 | - | 59,008 |
| 1991-1995 | - | - | 2,408 | 23,781 | 18,461 | 9,495 | - | 52,941 |
| 1996-2000 | - | - | - | 7,231 | 9,950 | 3,983 | - | 18,125 |
| 2001 | - | - | - | 29,087 | 38,189 | 11,351 | - | 78,627 |
| 2002 | - | 370 | 1,662 | 12,993 | 24,510 | 9,172 | 6 | 48,713 |
| 2003 | - | - | 606 | 20,308 | 42,124 | 8,188 | - | 71,226 |
| 2004 | - | - | 853 | 16,101 | 35,006 | 10,444 | - | 62,404 |
| 2005 | - | - | - | 8,316 | 27,084 | 9,916 | - | 45,316 |
| 2006 | - | - | - | 7,451 | 21,249 | 2,712 | - | 31,412 |
| 2007 | - | - | - | 10,034 | 29,199 | 3,284 | - | 42,518 |
| 2008 | - | 66 | 1,275 | 6,381 | 6,371 | - | - | 14,093 |
| 2009 | - | - | 278 | 15,969 | 36,344 | 1,840 | - | 54,431 |
| 2010 | - | - | 863 | 9,376 | 24,345 | 2,811 | - | 37,395 |
| 2011 ^{d/} | - | - | 1,133 | 6,760 | 19,772 | 4,463 | - | 32,127 |
| <u>U.S./Canada Border to Cape Falcon^{b/}</u> | | | | | | | | |
| 1976-1980 | 3,574 | 19,337 | 72,200 | 146,869 | 183,563 | 60,241 | 5,480 | 490,555 |
| 1981-1985 | 80 | 4,263 | 25,606 | 79,714 | 70,218 | 9,423 | 436 | 189,565 |
| 1986-1990 | - | 1,412 | 6,950 | 74,600 | 51,029 | 5,374 | 40 | 137,152 |
| 1991-1995 | - | 1,258 | 4,888 | 55,000 | 43,610 | 18,921 | 714 | 120,782 |
| 1996-2000 | - | - | - | 18,152 | 24,315 | 5,064 | - | 43,901 |
| 2001 | - | - | - | 66,841 | 61,921 | 20,642 | 239 | 149,643 |
| 2002 | - | 2,866 | 15,275 | 34,397 | 43,670 | 10,891 | 119 | 107,218 |
| 2003 | - | - | 6,500 | 52,938 | 70,092 | 14,435 | 128 | 144,093 |
| 2004 | - | - | 2,866 | 48,043 | 61,911 | 18,457 | 20 | 131,297 |
| 2005 | - | - | 1,119 | 34,205 | 49,588 | 18,786 | 160 | 103,857 |
| 2006 | - | - | 1,119 | 23,937 | 41,928 | 6,263 | 258 | 73,505 |
| 2007 | - | - | - | 27,516 | 50,714 | 6,840 | 0 | 85,069 |
| 2008 | - | 66 | 5,282 | 17,773 | 15,542 | 2,564 | 38 | 41,264 |
| 2009 | - | - | 1,382 | 34,084 | 68,889 | 9,242 | 212 | 113,810 |
| 2010 | - | - | 10,314 | 27,757 | 43,892 | 9,092 | 154 | 91,209 |
| 2011 ^{d/} | - | - | 6,670 | 24,094 | 40,950 | 9,249 | 16 | 80,979 |

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month. Washington data are summarized by statistical month.

b/ Includes minor effort from November in some years.

c/ Includes catch from the Washington State waters Area 4B fishery in 1991, 1992, 1993, 1996, 1997, 1998, 2000, and 2008.

d/ Preliminary.

TABLE A-28. U.S./Canada border to Cape Falcon ocean recreational Chinook and coho salmon landings in numbers of fish by area and month. ^{a/} (Page 1 of 2)

| Year or Avg. | April | May | June | July | Aug. | Sept. | Oct. | Season | April | May | June | July | Aug. | Sept. | Oct. | Season |
|---|---------|-------|--------|--------|--------|-------|-------|--------|-------|--------|--------|---------|--------|--------|-------|---------|
| | CHINOOK | | | | | | | | COHO | | | | | | | |
| <u>U.S./Canada Border to Leadbetter Pt. ^{b/}</u> | | | | | | | | | | | | | | | | |
| 1976-1980 | 2,202 | 6,285 | 22,116 | 21,405 | 18,586 | 6,528 | 1,103 | 77,123 | 304 | 13,182 | 48,841 | 109,426 | 98,977 | 32,774 | 2,097 | 305,540 |
| 1981-1985 | 57 | 1,982 | 13,193 | 18,822 | 8,162 | 505 | 26 | 42,631 | 80 | 1,157 | 12,324 | 37,404 | 42,235 | 6,211 | 161 | 96,516 |
| 1986-1990 | - | 790 | 1,653 | 13,191 | 5,373 | 1,161 | - | 20,741 | - | 19 | 2,439 | 58,151 | 35,746 | 6,320 | 45 | 102,190 |
| 1991-1995 | - | 148 | 1,911 | 4,305 | 3,020 | 1,549 | 215 | 9,479 | - | 40 | 6,781 | 37,985 | 33,461 | 9,902 | 324 | 83,144 |
| 1996-2000 | - | - | - | 2,246 | 1,846 | 467 | - | 4,016 | - | - | - | 10,579 | 14,909 | 2,343 | - | 25,715 |
| 2001 | - | - | - | 13,632 | 3,224 | 896 | 100 | 17,852 | - | - | - | 42,997 | 33,408 | 14,163 | 15 | 90,583 |
| 2002 | - | 2,554 | 15,225 | 21,984 | 9,884 | 99 | 43 | 49,789 | - | 5 | 271 | 10,327 | 17,191 | 1,331 | 4 | 29,129 |
| 2003 | - | - | 2,689 | 12,959 | 10,752 | 1,937 | 62 | 28,399 | - | - | 3,635 | 25,550 | 27,566 | 5,660 | 12 | 62,423 |
| 2004 | - | - | 527 | 9,057 | 6,977 | 2,124 | 6 | 18,685 | - | - | 1,581 | 22,685 | 27,588 | 10,042 | 3 | 61,899 |
| 2005 | - | - | 364 | 8,104 | 13,189 | 5,107 | 43 | 26,808 | - | - | 126 | 10,446 | 8,684 | 3,772 | 18 | 23,046 |
| 2006 | - | - | 202 | 3,274 | 4,522 | 813 | 91 | 8,902 | - | - | 416 | 6,514 | 8,287 | 1,466 | 2 | 16,686 |
| 2007 | - | - | - | 3,804 | 3,138 | 371 | 0 | 7,313 | - | - | - | 13,028 | 20,920 | 2,421 | 0 | 36,369 |
| 2008 | - | - | 2,537 | 5,428 | 3,352 | 414 | 6 | 11,737 | - | - | 30 | 3,332 | 5,115 | 1,752 | 1 | 10,230 |
| 2009 | - | - | 182 | 3,551 | 3,994 | 325 | 97 | 8,149 | - | - | 823 | 17,496 | 44,998 | 10,692 | 92 | 74,101 |
| 2010 | - | - | 4,893 | 11,814 | 12,753 | 1,960 | 45 | 31,465 | - | - | 46 | 5,817 | 6,275 | 5,297 | 37 | 17,473 |
| 2011 ^{c/} | - | - | 2,509 | 7,462 | 13,071 | 559 | 5 | 23,607 | - | - | 331 | 6,989 | 8,694 | 2,931 | 2 | 18,947 |
| <u>Leadbetter Pt. to Cape Falcon</u> | | | | | | | | | | | | | | | | |
| 1976-1980 | 191 | 2,352 | 12,353 | 11,569 | 23,764 | 3,751 | 246 | 54,102 | 493 | 6,524 | 53,314 | 89,865 | 86,917 | 31,024 | 2,463 | 269,812 |
| 1981-1985 | - | 221 | 4,286 | 6,972 | 6,406 | 672 | 40 | 17,395 | - | 7,109 | 14,759 | 52,828 | 37,648 | 7,241 | 825 | 109,663 |
| 1986-1990 | - | 140 | 360 | 2,747 | 4,469 | 120 | - | 7,580 | - | - | 4,463 | 48,084 | 38,613 | 2,767 | - | 91,374 |
| 1991-1995 | - | - | 126 | 928 | 1,038 | 257 | - | 2,286 | - | - | 3,938 | 36,431 | 24,351 | 9,127 | - | 57,502 |
| 1996-2000 | - | - | - | 553 | 783 | 167 | - | 1,326 | - | - | - | 10,932 | 12,055 | 3,643 | - | 22,986 |
| 2001 | - | - | - | 3,253 | 3,778 | 709 | - | 7,740 | - | - | - | 45,862 | 56,349 | 14,457 | - | 116,668 |
| 2002 | - | 86 | 2,274 | 4,920 | 3,398 | 105 | 3 | 10,786 | - | - | 30 | 14,568 | 32,527 | 12,283 | - | 59,408 |
| 2003 | - | - | 52 | 2,044 | 5,220 | 798 | - | 8,114 | - | - | 655 | 32,596 | 63,648 | 9,545 | - | 106,444 |
| 2004 | - | - | 47 | 1,068 | 5,465 | 1,825 | - | 8,405 | - | - | 1,303 | 23,786 | 40,641 | 7,805 | - | 73,535 |
| 2005 | - | - | - | 1,655 | 9,639 | 1,902 | - | 13,196 | - | - | - | 9,165 | 23,403 | 6,122 | - | 38,690 |
| 2006 | - | - | - | 559 | 1,518 | 198 | - | 2,274 | - | - | - | 8,149 | 15,782 | 881 | - | 24,812 |
| 2007 | - | - | - | 373 | 1,682 | 170 | - | 2,225 | - | - | - | 15,982 | 46,366 | 3,467 | - | 65,816 |
| 2008 | - | 17 | 626 | 1,509 | 1,563 | - | - | 3,715 | - | - | 431 | 4,445 | 5,955 | - | - | 10,831 |
| 2009 | - | - | 14 | 1,347 | 3,782 | 39 | - | 5,182 | - | - | 472 | 26,839 | 54,537 | 1,963 | - | 83,811 |
| 2010 | - | - | 143 | 1,873 | 4,909 | 295 | - | 7,221 | - | - | 13 | 7,909 | 16,129 | 863 | - | 24,913 |
| 2011 ^{c/} | - | - | 481 | 955 | 5,375 | 408 | - | 7,219 | - | - | 467 | 6,085 | 16,806 | 3,319 | - | 26,676 |

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TABLE A-28. U.S./Canada border to Cape Falcon ocean recreational Chinook and coho salmon landings in numbers of fish by area and month.^{a/} (Page 2 of 2)

| Year or Avg. | April | May | June | July | Aug. | Sept. | Oct. | Season | April | May | June | July | Aug. | Sept. | Oct. | Season |
|--------------------|---|-------|--------|--------|--------|--------|-------|---------|-------------|--------|---------|---------|---------|--------|-------|---------|
| | CHINOOK | | | | | | | | COHO | | | | | | | |
| | U.S./Canada Border to Cape Falcon^{b/} | | | | | | | | | | | | | | | |
| 1976-1980 | 1,794 | 8,638 | 34,469 | 32,974 | 42,350 | 10,279 | 1,348 | 131,225 | 551 | 19,705 | 102,155 | 199,291 | 185,895 | 63,798 | 4,067 | 575,352 |
| 1981-1985 | 57 | 2,159 | 16,622 | 25,794 | 14,568 | 1,009 | 46 | 60,026 | 80 | 3,527 | 27,083 | 90,232 | 79,883 | 12,003 | 436 | 206,178 |
| 1986-1990 | - | 930 | 2,014 | 15,938 | 9,841 | 1,241 | - | 28,321 | - | 19 | 6,902 | 106,235 | 74,359 | 7,427 | 45 | 193,564 |
| 1991-1995 | - | 148 | 1,082 | 5,233 | 4,058 | 1,806 | 215 | 11,765 | - | 40 | 7,328 | 74,416 | 57,812 | 19,029 | 324 | 124,017 |
| 1996-2000 | - | - | - | 2,799 | 2,629 | 592 | - | 5,342 | - | - | - | 21,511 | 26,964 | 4,529 | - | 48,702 |
| 2001 | - | - | - | 16,885 | 7,002 | 1,605 | 100 | 25,592 | - | - | - | 88,859 | 89,757 | 28,620 | 15 | 207,251 |
| 2002 | - | 2,640 | 17,499 | 26,904 | 13,282 | 204 | 46 | 60,575 | - | 5 | 301 | 24,895 | 49,718 | 13,614 | 4 | 88,537 |
| 2003 | - | - | 2,741 | 15,003 | 15,972 | 2,735 | 62 | 36,513 | - | - | 4,290 | 58,146 | 91,214 | 15,205 | 12 | 168,867 |
| 2004 | - | - | 574 | 10,125 | 12,442 | 3,949 | 6 | 27,090 | - | - | 2,884 | 46,471 | 68,229 | 17,847 | 3 | 135,434 |
| 2005 | - | - | 364 | 9,759 | 22,828 | 7,009 | 43 | 40,004 | - | - | 126 | 19,611 | 32,087 | 9,894 | 18 | 61,736 |
| 2006 | - | - | 202 | 3,832 | 6,040 | 1,011 | 91 | 11,176 | - | - | 416 | 14,663 | 24,069 | 2,347 | 2 | 41,498 |
| 2007 | - | - | - | 4,178 | 4,819 | 541 | 0 | 9,538 | - | - | - | 29,010 | 67,286 | 5,888 | 0 | 102,185 |
| 2008 | - | 17 | 3,163 | 6,937 | 4,916 | 414 | 6 | 15,452 | - | - | 461 | 7,777 | 11,070 | 1,752 | 1 | 21,061 |
| 2009 | - | - | 196 | 4,898 | 7,776 | 364 | 97 | 13,331 | - | - | 1,295 | 44,335 | 99,534 | 12,655 | 92 | 157,912 |
| 2010 | - | - | 5,037 | 13,687 | 17,662 | 2,255 | 45 | 38,686 | - | - | 59 | 13,726 | 22,403 | 6,160 | 37 | 42,386 |
| 2011 ^{c/} | - | - | 2,990 | 8,418 | 18,446 | 968 | 5 | 30,826 | - | - | 798 | 13,074 | 25,500 | 6,249 | 2 | 45,624 |

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month. Washington data are summarized by statistical month.

b/ Includes catch from the Washington State waters Area 4B fishery in 1991, 1992, 1993, 1996, 1997, 1998, 2000, and 2008.

c/ Preliminary.

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HISTORICAL RECORD OF ESCAPEMENTS TO
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TABLE B-1. California Central Valley natural area fall Chinook salmon spawning escapement in numbers of fish.^{a/}

| Year or Average | Upper Sacramento River ^{b/c/} | | Lower Sacramento River | | | | | | | | Sacramento River Totals | | San Joaquin River Totals | | Central Valley | |
|--------------------|---|--------|------------------------|--------|------------|-------|----------------|--------|---------|--------|----------------------------|--------|-----------------------------|--------|----------------|--------|
| | Adults | Jacks | Feather River | | Yuba River | | American River | | Total | | Adults | Jacks | Adults | Jacks | Adults | Jacks |
| 1971-1975 | 58,462 | 18,289 | 40,221 | 9,745 | 10,877 | 1,615 | 41,726 | 3,695 | 92,824 | 15,055 | 151,286 | 33,345 | 13,820 | 1,411 | 165,105 | 34,756 |
| 1976-1980 | 67,012 | 17,905 | 33,954 | 3,544 | 7,387 | 1,563 | 28,509 | 1,344 | 69,850 | 6,452 | 136,862 | 24,356 | 2,886 | 763 | 139,747 | 25,120 |
| 1981-1985 | 57,913 | 22,432 | 36,252 | 5,243 | 12,825 | 5,146 | 32,332 | 4,954 | 81,409 | 15,343 | 139,322 | 37,775 | 34,930 | 10,721 | 174,252 | 48,496 |
| 1986-1990 | 87,396 | 17,244 | 38,709 | 6,426 | 9,261 | 2,444 | 24,420 | 3,323 | 72,390 | 12,193 | 159,787 | 29,437 | 10,853 | 4,377 | 170,640 | 33,815 |
| 1991-1995 | 60,151 | 11,496 | 32,578 | 4,355 | 8,309 | 2,131 | 28,549 | 4,151 | 69,436 | 10,637 | 129,587 | 22,134 | 2,626 | 904 | 132,212 | 23,038 |
| 1996 | 131,268 | 11,649 | 44,593 | 12,577 | 23,492 | 4,408 | 67,719 | 7,026 | 135,803 | 24,012 | 267,071 | 35,661 | 5,766 | 5,979 | 272,837 | 41,640 |
| 1997 | 167,353 | 13,736 | 47,009 | 3,538 | 19,202 | 6,746 | 46,036 | 6,159 | 112,246 | 16,444 | 279,599 | 30,180 | 17,983 | 1,146 | 297,583 | 31,325 |
| 1998 | 60,713 | 5,137 | 39,600 ^{d/} | 3,400 | 26,737 | 4,353 | 41,094 | 13,698 | 107,431 | 21,451 | 168,144 | 26,588 | 13,119 | 6,292 | 181,263 | 32,880 |
| 1999 | 256,629 | 7,495 | 30,000 ^{d/} | 7,500 | 18,778 | 5,452 | 48,311 | 8,688 | 97,089 | 21,640 | 353,718 | 29,135 | 10,708 | 7,185 | 364,426 | 36,320 |
| 2000 | 152,923 | 3,900 | 109,924 | 7,017 | 12,954 | 2,041 | 93,413 | 5,646 | 216,291 | 14,704 | 369,214 | 18,604 | 36,896 | 2,578 | 406,110 | 21,182 |
| 2001 | 179,198 | 11,853 | 169,588 | 9,114 | 21,567 | 1,825 | 167,062 | 13,553 | 358,217 | 24,492 | 537,415 | 36,345 | 23,899 | 3,705 | 561,314 | 40,050 |
| 2002 | 474,812 ^{e/} | 11,259 | 93,766 | 11,397 | 18,406 | 4,796 | 95,711 | 10,635 | 207,883 | 26,828 | 682,695 | 38,087 | 21,852 | 3,788 | 704,547 | 41,875 |
| 2003 | 164,802 | 4,402 | 85,578 | 4,369 | 26,820 | 1,489 | 136,238 | 9,627 | 248,636 | 15,485 | 413,438 | 19,887 | 14,519 | 2,164 | 427,957 | 22,051 |
| 2004 | 70,548 | 7,220 | 48,580 | 5,591 | 9,260 | 5,208 | 75,090 | 13,774 | 132,930 | 24,573 | 203,478 | 31,793 | 7,250 | 3,310 | 210,728 | 35,103 |
| 2005 | 96,716 | 3,267 | 43,738 | 4,848 | 16,251 | 987 | 54,001 | 2,842 | 113,990 | 8,677 | 210,706 | 11,944 | 15,843 | 1,577 | 226,549 | 13,521 |
| 2006 | 89,933 | 2,874 | 75,545 | 1,869 | 7,891 | 230 | 21,755 | 1,145 | 105,191 | 3,244 | 195,124 | 6,118 | 5,622 | 669 | 200,746 | 6,787 |
| 2007 | 36,079 | 978 | 21,541 | 321 | 2,523 | 81 | 9,855 | 130 | 33,919 | 532 | 69,998 | 1,510 | 1,521 | 164 | 71,519 | 1,674 |
| 2008 | 36,274 | 2,074 | 5,703 | 236 | 3,084 | 424 | 1,791 | 154 | 10,578 | 814 | 46,852 | 2,888 | 2,010 | 316 | 48,862 | 3,204 |
| 2009 | 12,277 | 1,624 | 3,950 | 897 | 3,992 | 803 | 3,118 | 575 | 11,060 | 2,275 | 23,337 | 3,899 | 1,394 | 688 | 24,731 | 4,587 |
| 2010 | 25,682 | 6,872 | 40,981 | 3,933 | 12,074 | 1,023 | 5,831 | 1,742 | 58,886 | 6,698 | 84,568 | 13,570 | 4,003 | 934 | 88,571 | 14,504 |
| 2011 ^{f/} | 20,466 | 15,096 | 39,532 | 12,891 | 5,389 | 3,539 | 13,484 | 7,919 | 58,405 | 24,349 | 78,871 | 39,445 | 3,876 | 3,099 | 82,747 | 42,544 |

a/ Most estimates based on carcass surveys with a jack length cut-off. In 2004, CDFG reviewed and updated 1971-2003 escapement estimates to reflect final project reports.

b/ Upper Sacramento mainstem estimates generally based on carcass surveys with a jack length cut-off, however jack estimates from Red Bluff Diversion Dam (RBDD) reports have occasionally been used. Early (pre-2001) mainstem Sacramento River adult and jack estimates based on RBDD passage.

c/ Upper Sacramento River escapement includes Sacramento River mainstem; Battle, Clear, Mill, Deer, Butte, Cottonwood, and Cow creeks; and other small tributaries when surveys were conducted. Specific escapement estimates by tributary can be found at www.calfish.org.

d/ Survey methodology was variable; may not be comparable to other surveys.

e/ Change in estimation methodology due to extremely high Battle Creek escapement.

f/ Preliminary.

TABLE B-2. California Central Valley hatchery fall Chinook salmon escapement in numbers of fish.^{a/}

| Year or Average | Sacramento Hatcheries | | | | | | | | San Joaquin Hatcheries | | | | | | Central Valley Hatchery Totals | |
|---------------------|-----------------------|--------|-----------------------------|--------|----------------------|--------|----------------------|--------|------------------------|--------|--------------|-------|--------|--------|-----------------------------------|--------|
| | Coleman ^{b/} | | Feather River ^{b/} | | Nimbus ^{c/} | | Totals | | Mokelumne River | | Merced River | | Totals | | Adults | Jacks |
| | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults ^{d/} | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks |
| 1971-1975 | 1,373 | 1,167 | 3,882 | 1,387 | 7,791 | 1,311 | 13,661 | 4,065 | 305 | 156 | 460 | 19 | 765 | 175 | 14,427 | 4,240 |
| 1976-1980 | 4,239 | 1,292 | 4,261 | 1,043 | 7,845 | 2,270 | 17,804 | 5,040 | 271 | 59 | 346 | 23 | 617 | 82 | 18,421 | 5,122 |
| 1981-1985 | 11,557 | 3,734 | 6,845 | 884 | 10,543 | 2,444 | 30,303 | 7,877 | 759 | 734 | 797 | 449 | 1,556 | 1,183 | 31,859 | 9,060 |
| 1986-1990 | 11,507 | 2,288 | 5,837 | 1,947 | 6,927 | 1,943 | 24,271 | 6,178 | 278 | 286 | 299 | 140 | 577 | 426 | 24,847 | 6,604 |
| 1991-1995 | 11,948 | 2,295 | 10,537 | 2,762 | 7,669 | 1,664 | 30,154 | 6,721 | 1,077 | 554 | 239 | 233 | 1,316 | 788 | 31,471 | 7,509 |
| 1996 | 18,848 | 2,330 | 6,494 | 1,613 | 9,219 | 2,273 | 34,561 | 6,216 | 1,828 | 2,055 | 395 | 746 | 2,223 | 2,801 | 36,784 | 9,017 |
| 1997 | 44,590 | 6,080 | 13,358 | 1,770 | 7,293 | 2,435 | 65,241 | 10,285 | 6,305 | 189 | 838 | 108 | 7,143 | 297 | 72,384 | 10,582 |
| 1998 | 42,400 | 1,951 | 17,567 | 1,322 | 17,797 | 3,979 | 77,763 | 7,253 | 2,686 | 585 | 347 | 452 | 3,033 | 1,037 | 80,796 | 8,290 |
| 1999 | 23,194 | 3,776 | 12,822 | 1,104 | 10,095 | 5,543 | 46,112 | 10,422 | 1,611 | 1,542 | 650 | 987 | 2,261 | 2,529 | 48,372 | 12,952 |
| 2000 | 20,793 | 866 | 16,470 | 1,676 | 11,060 | 1,893 | 48,323 | 4,435 | 4,637 | 887 | 1,615 | 331 | 6,252 | 1,218 | 54,575 | 5,653 |
| 2001 | 23,710 | 988 | 24,001 | 871 | 11,649 | 4,547 | 59,360 | 6,406 | 4,467 | 1,427 | 1,137 | 523 | 5,604 | 1,950 | 64,964 | 8,356 |
| 2002 | 61,895 | 4,029 | 17,516 | 2,991 | 7,762 | 8,146 | 87,173 | 15,166 | 5,800 | 2,119 | 1,250 | 588 | 7,050 | 2,707 | 94,223 | 17,873 |
| 2003 | 82,882 | 5,352 | 13,615 | 1,352 | 13,081 | 7,032 | 109,578 | 13,736 | 5,108 | 3,009 | 392 | 157 | 5,500 | 3,166 | 115,078 | 16,902 |
| 2004 | 52,145 | 17,027 | 15,769 | 5,535 | 15,493 | 21,390 | 83,407 | 43,952 | 5,477 | 4,879 | 456 | 594 | 5,933 | 5,473 | 89,340 | 49,425 |
| 2005 | 139,979 | 2,694 | 20,597 | 1,787 | 24,723 | 3,437 | 185,299 | 7,918 | 5,035 | 528 | 346 | 75 | 5,381 | 603 | 190,680 | 8,521 |
| 2006 | 56,819 | 1,013 | 13,400 | 634 | 9,687 | 681 | 79,906 | 2,328 | 2,801 | 1,338 | 130 | 20 | 2,931 | 1,358 | 82,837 | 3,686 |
| 2007 | 11,543 | 201 | 5,169 | 172 | 4,664 | 21 | 21,376 | 394 | 1,004 | 40 | 70 | 9 | 1,074 | 49 | 22,450 | 443 |
| 2008 | 10,181 | 458 | 5,031 | 323 | 3,300 | 453 | 18,512 | 1,234 | 116 | 123 | 39 | 37 | 155 | 160 | 18,667 | 1,394 |
| 2009 | 5,433 | 719 | 6,240 | 3,723 | 5,863 | 1,126 | 17,536 | 5,568 | 730 | 823 | 109 | 137 | 839 | 960 | 18,375 | 6,528 |
| 2010 | 8,666 | 8,572 | 17,215 | 2,757 | 13,821 | 2,389 | 39,702 | 13,718 | 3,543 | 1,733 | 115 | 31 | 3,658 | 1,764 | 43,360 | 15,482 |
| 2011 ^{e/} | 19,312 | 23,068 | 15,925 | 16,691 | 7,634 | 8,963 | 42,871 | 48,722 | 2,402 | 13,503 | 99 | 338 | 2,501 | 13,841 | 45,372 | 62,563 |
| GOALS ^{f/} | 12,000 | - | 6,000 | - | 4,000 | - | 22,000 | - | 5,000 | - | 1,000 | - | 6,000 | - | 26,000 | - |

a/ In 2004, CDFG reviewed and updated 1971-2003 adult and jack spawner escapements based on final project reports.

b/ Chinook spawning during the fall; may include spring run fish.

c/ Nimbus Hatchery adult and jack counts include fish taken at Nimbus Weir, 1979-current.

d/ Total adults in Sacramento Hatcheries include Tehama-Colusa Fish Facility escapements, 1971-1985.

e/ Preliminary.

f/ Current hatchery-specific goals, not PFMC goals.

TABLE B-3. Sacramento River late-fall, winter, and spring Chinook salmon spawning escapement in numbers of fish.

| Year or Average | Upper Sacramento River | | | | | | | | | | |
|--------------------|-----------------------------|---------------------|----------------------|--------|----------------|--------|-------------------------|----------------------------------|-----------------|-----------------------------|-------------------|
| | Late Fall ^{a/b/c/} | | Winter ^{d/} | | | | Spring | | | | |
| | Adults | Jacks | RBDD ^{a/c/} | | Carcass Survey | | Tributary ^{e/} | Sacramento River ^{a/f/} | | Feather River ^{g/} | |
| Adults | | | Jacks | Adults | Jacks | Adults | Jacks | Adults and Jacks ^{h/} | Adults | Jacks | Adults |
| 1971-1975 | 18,193 | 1,087 | 22,863 | 9,063 | -- | -- | 5,194 | 5,098 | 1,718 | 366 | - |
| 1976-1980 | 9,662 | 1,798 | 13,499 | 2,640 | -- | -- | 1,201 | 8,335 | 2,571 | 375 | - |
| 1981-1985 | 8,102 | 1,746 | 5,027 | 921 | -- | -- | 1,061 | 9,798 | 4,241 | 1,446 | 133 |
| 1986-1990 | 10,047 | 1,761 | 1,369 | 390 | -- | -- | 1,658 | 8,795 | 1,930 | 2,884 | 406 |
| 1991-1995 | 3,844 ^{i/} | 383 ^{i/} | 586 | 78 | -- | -- | 2,813 | 410 | 165 | 3,441 | 465 |
| 1999-2000 | 16,061 ^{i/} | 2,478 ^{i/} | 940 | 1,032 | -- | -- | 7,768 | 242 | 160 | 4,393 | 503 |
| 2001 | 20,614 | 1,199 | 1,696 | 3,827 | 7,443 | 781 | 21,623 ^{j/} | 981 | 0 ^{h/} | 4,052 | 83 |
| 2002 | 39,818 | 765 | 7,614 | 1,555 | 7,047 | 417 | 20,198 ^{j/} | 430 | 53 | 3,982 | 207 |
| 2003 | 8,122 | 613 | 6,172 | 3,585 | 7,675 | 543 | 21,798 ^{j/} | 0 | 0 | 8,373 | 389 |
| 2004 | 12,458 | 1,574 | 2,588 | 4,604 | 5,786 | 2,083 | 12,556 ^{j/} | 763 | 326 | 3,630 | 572 |
| 2005 | 14,047 | 2,141 | 3,521 | 1,778 | 14,683 | 1,156 | 21,319 ^{j/} | 21 | 9 | 1,811 ^{k/} | 24 ^{k/} |
| 2006 | 14,709 | 351 | 4,792 | 2,623 | 16,764 | 385 | 10,669 ^{j/} | 0 | 0 | 2,052 ^{k/} | 9 ^{k/} |
| 2007 | 11,954 | 714 | 3,004 | 3,140 | 2,402 | 131 | 8,951 ^{j/} | 226 | 22 | 2,669 ^{k/} | 5 ^{k/} |
| 2008 | 9,946 | 381 | 1,504 | 2,131 | 2,521 | 204 | 11,943 ^{j/} | 0 | 0 | 1,056 ^{k/} | 10 ^{k/} |
| 2009 | 9,515 | 460 | m/ | m/ | 4,363 | 53 | 3,517 ^{j/} | m/ | m/ | 867 ^{k/} | 122 ^{k/} |
| 2010 | 8,894 | 1,001 | m/ | m/ | 1,555 | 41 | 2,951 ^{j/} | m/ | m/ | 1,655 ^{k/} | 6 ^{k/} |
| 2011 ^{l/} | 7,129 | 1,161 | m/ | m/ | 637 | 187 | 5,431 ^{j/} | m/ | m/ | 1,831 ^{k/} | 138 ^{k/} |

a/ Estimated number of jacks and adults based on sampling at Red Bluff Diversion Dam (RBDD) from unpublished CDFG data. Beginning in 1987 for late-fall and winter runs, estimates have been based on historical run patterns and partial counts at RBDD due to raising of dam gates during the last part of the late-fall run and first part of the winter run.

b/ Since 1998, late-fall adult and jack estimates are based on carcass counts of natural spawners plus fish spawned at Coleman Hatchery.

c/ Variable numbers of late-fall and winter run are trapped at Keswick Dam and spawned at Coleman or Livingston Stone Hatcheries.

d/ RBDD and carcass survey estimates represent alternative methods for determining winter run Chinook escapement.

e/ Natural spawning spring run which are isolated from fall run; primarily Mill Creek, Deer Creek, and Butte Creek escapement.

f/ Sacramento River spring run estimates are the total RBDD counts minus the spring run numbers in the upper Sacramento tributaries. If this number is less than or equal to zero, then upper Sacramento River spring run estimates are zero.

g/ Feather River spring run estimates are primarily fish returning to Feather River Hatchery. Spring run are not distinguished from fall run in the natural spawning surveys and are reported in the fall run natural escapement numbers.

h/ Jack proportion could not be determined.

i/ Primarily number of fish spawned at Coleman Hatchery 1991-1997. No data are available for natural spawners, as RBDD gates were raised during the time coinciding with the late-fall run.

j/ Methodology change from using snorkel survey to carcass survey for Butte Creek spring run estimates.

k/ Methodology change for distinguishing spring run Chinook at Feather River Hatchery was implemented in 2005. Fish arriving at the hatchery prior to the spring Chinook spawning period were tagged and returned to the river. The spring Chinook escapement estimate is the number of these tagged fish that subsequently returned to the hatchery during the spring Chinook spawning period.

l/ Preliminary.

m/ RBDD did not go into operation until June 15th, a month later than normal; thus RBDD winter and spring run estimates are unavailable.

TABLE B-4. Summary of Klamath River fall Chinook salmon estimates in numbers of adults and jacks.

| Year or Average | Category | Total Inriver Run | Inriver Harvest | | | Nonlanded Fishery Mortality | Spawning Escapement | | | | | | | | |
|--------------------|----------|-----------------------|-----------------|--------|--------|-----------------------------|---------------------|---------|--------|---------------|---------|--------|----------|---------|-----------------------|
| | | | Indian | Sport | Total | | Klamath River | | | Trinity River | | | Total | | |
| | | | | | | | Hatchery | Natural | Total | Hatchery | Natural | Total | Hatchery | Natural | Total |
| 1978-1980 | Adults | 63,306 | 14,621 | 2,777 | 17,398 | 1,329 | 3,886 | 21,277 | 25,163 | 3,823 | 15,593 | 19,416 | 7,709 | 36,871 | 44,579 |
| | Jacks | 23,731 | 1,379 | 3,385 | 4,764 | 189 | 544 | 8,224 | 8,768 | 1,515 | 8,495 | 10,010 | 2,059 | 16,719 | 18,778 |
| 1981-1985 | Adults | 63,230 | 17,128 | 5,096 | 22,224 | 1,593 | 8,812 | 16,313 | 25,125 | 2,934 | 11,354 | 14,288 | 11,746 | 27,667 | 39,413 |
| | Jacks | 29,811 | 1,287 | 6,447 | 7,734 | 243 | 1,162 | 6,227 | 7,389 | 4,888 | 9,556 | 14,444 | 6,050 | 15,783 | 21,833 |
| 1986-1990 | Adults | 151,203 | 36,669 | 15,145 | 51,814 | 3,498 | 13,194 | 21,543 | 34,737 | 11,912 | 49,242 | 61,154 | 25,106 | 70,785 | 95,891 |
| | Jacks | 20,227 | 446 | 4,924 | 5,370 | 139 | 1,009 | 3,460 | 4,469 | 2,285 | 7,964 | 10,248 | 3,294 | 11,423 | 14,718 |
| 1991-1995 | Adults | 80,666 | 10,574 | 3,094 | 13,668 | 983 | 12,980 | 26,594 | 39,574 | 5,104 | 21,339 | 26,442 | 18,084 | 47,932 | 66,016 |
| | Jacks | 12,038 | 291 | 2,741 | 3,032 | 81 | 1,140 | 3,216 | 4,356 | 1,134 | 3,435 | 4,569 | 2,274 | 6,651 | 8,925 |
| 1996-2000 | Adults | 123,856 | 24,565 | 6,817 | 31,382 | 2,275 | 24,549 | 32,279 | 56,828 | 11,421 | 21,950 | 33,371 | 35,970 | 54,229 | 90,199 |
| | Jacks | 10,332 | 170 | 1,805 | 1,976 | 52 | 1,413 | 2,628 | 4,042 | 872 | 3,391 | 4,262 | 2,285 | 6,019 | 8,304 |
| 2001 | Adults | 187,333 | 38,645 | 12,134 | 50,779 | 3,608 | 37,204 | 40,944 | 78,148 | 17,908 | 36,890 | 54,798 | 55,112 | 77,834 | 132,946 |
| | Jacks | 11,343 | 399 | 1,500 | 1,899 | 66 | 1,364 | 6,378 | 7,742 | 267 | 1,369 | 1,636 | 1,631 | 7,747 | 9,378 |
| 2002 | Adults | 160,788 ^{a/} | 24,574 | 10,495 | 35,069 | 2,351 | 23,667 | 54,225 | 77,892 | 3,516 | 11,410 | 14,926 | 27,183 | 65,635 | 92,818 |
| | Jacks | 9,226 | 126 | 870 | 996 | 29 | 1,294 | 1,529 | 2,823 | 1,037 | 2,338 | 3,375 | 2,331 | 3,867 | 6,198 |
| 2003 | Adults | 191,949 | 30,034 | 9,680 | 39,714 | 2,810 | 31,970 | 55,423 | 87,393 | 29,812 | 32,219 | 62,031 | 61,782 | 87,642 | 149,424 |
| | Jacks | 3,845 | 44 | 814 | 858 | 21 | 290 | 848 | 1,138 | 574 | 1,254 | 1,828 | 864 | 2,102 | 2,966 |
| 2004 | Adults | 78,943 | 25,803 | 4,003 | 29,806 | 2,325 | 10,582 | 10,711 | 21,293 | 12,399 | 13,120 | 25,519 | 22,982 | 23,831 | 46,813 |
| | Jacks | 9,646 | 168 | 2,741 | 2,909 | 71 | 937 | 846 | 1,783 | 1,044 | 3,839 | 4,883 | 1,980 | 4,685 | 6,665 |
| 2005 | Adults | 65,227 | 8,016 | 1,985 | 10,001 | 738 | 13,955 | 13,554 | 27,509 | 13,744 | 13,235 | 26,979 | 27,699 | 26,789 | 54,488 |
| | Jacks | 2,296 | 70 | 1,030 | 1,100 | 27 | 42 | 398 | 440 | 59 | 670 | 729 | 101 | 1,068 | 1,169 |
| 2006 | Adults | 61,374 | 10,283 | 62 | 10,345 | 1,344 | 11,604 | 14,264 | 25,868 | 7,918 | 15,899 | 23,817 | 19,522 | 30,163 | 49,685 |
| | Jacks | 26,935 | 415 | 5,527 | 5,942 | 149 | 2,386 | 6,516 | 8,902 | 4,076 | 7,866 | 11,942 | 6,462 | 14,382 | 20,844 |
| 2007 | Adults | 132,131 | 27,573 | 6,312 | 33,885 | 2,526 | 16,969 | 21,292 | 38,261 | 18,081 | 39,378 | 57,459 | 35,050 | 60,670 | 95,720 |
| | Jacks | 1,684 | 21 | 369 | 390 | 10 | 180 | 232 | 412 | 33 | 839 | 872 | 213 | 1,071 | 1,284 |
| 2008 | Adults | 70,554 | 22,259 | 1,919 | 24,178 | 24,178 | 9,101 | 19,020 | 28,121 | 4,451 | 11,830 | 16,281 | 13,552 | 30,850 | 44,402 |
| | Jacks | 25,247 | 641 | 4,308 | 4,949 | 144 | 2,130 | 9,425 | 11,555 | 801 | 11,555 | 8,599 | 2,931 | 17,223 | 20,154 |
| 2009 | Adults | 100,644 | 28,387 | 5,651 | 34,038 | 2,583 | 12,263 | 27,743 | 40,006 | 7,351 | 16,666 | 24,017 | 19,614 | 44,409 | 64,023 |
| | Jacks | 11,914 | 178 | 2,214 | 2,392 | 60 | 1,229 | 1,948 | 3,177 | 143 | 6,142 | 6,285 | 1,372 | 8,090 | 9,462 |
| 2010 ^{b/} | Adults | 90,860 | 29,887 | 3,035 | 32,922 | 2,661 | 10,278 | 15,170 | 25,448 | 7,774 | 22,055 | 29,829 | 18,052 | 37,225 | 55,277 |
| | Jacks | 16,640 | 428 | 1,831 | 2,259 | 74 | 1,069 | 1,811 | 2,880 | 1,432 | 9,995 | 11,427 | 2,501 | 11,806 | 14,307 |
| 2011 ^{b/} | Adults | 103,005 | 26,371 | 4,164 | 30,535 | 2,379 | 8,490 | 18,013 | 26,503 | 13,846 | 29,742 | 43,588 | 22,336 | 47,755 | 70,091 |
| | Jacks | 85,840 | 1,304 | 9,996 | 11,300 | 317 | 9,549 | 24,791 | 34,340 | 1,875 | 38,008 | 39,883 | 11,424 | 62,799 | 74,223 |
| GOAL | Adults | | | | | | | | | | | | | | ≥40,700 ^{c/} |

a/ Total inriver run includes an estimated 30,550 fish that died prior to spawning in September 2002.

b/ Preliminary.

c/ In December 2011, Amendment 16 to the Salmon Fishery Management Plan was approved, which replaced the 35,000 spawning escapement floor with an S_{MSY} management objective of 40,700 natural area adult spawners. The 35,000 spawner floor was in effect from 1989-2007 and in 2011. In 2008-2010, fisheries were managed for a natural area spawning escapement of 40,700 adults under requirements of a rebuilding plan.

TABLE B-5. Estimates of Yurok and Hoopa Valley reservation Indian gillnet Chinook harvest in numbers of fish.

| Year | Area ^{a/} | Spring Run | | | Fall Run | | |
|--------------------|---------------------|------------|--------------|--------------|--------------|---------------|---------------|
| | | Jack | Adult | Total | Jack | Adult | Total |
| 2005 | Commercial:Estuary | 0 | 0 | 0 | 0 | 0 | 0 |
| | Upper Klamath | 0 | 0 | 0 | 0 | 0 | 0 |
| | Subsistence:Estuary | 0 | 477 | 477 | 21 | 2,293 | 2,314 |
| | Middle Klamath | 0 | 518 | 518 | 5 | 464 | 469 |
| | Upper Klamath | 0 | 1,320 | 1,320 | 33 | 2,851 | 2,884 |
| | Trinity River | 17 | 1,858 | 1,858 | 11 | 2,409 | 2,420 |
| | Total | 33 | 7,286 | 7,302 | 70 | 8,017 | 8,087 |
| 2006 | Commercial:Estuary | 0 | 0 | 0 | 0 | 0 | 0 |
| | Upper Klamath | 0 | 0 | 0 | 0 | 0 | 0 |
| | Subsistence:Estuary | 8 | 302 | 310 | 30 | 2,726 | 2,756 |
| | Middle Klamath | 3 | 1,113 | 1,116 | 93 | 1,310 | 1,403 |
| | Upper Klamath | 36 | 1,257 | 1,293 | 147 | 2,086 | 2,233 |
| | Trinity River | 58 | 1,632 | 1,690 | 145 | 4,161 | 4,306 |
| | Total | 105 | 4,304 | 4,409 | 415 | 10,283 | 10,698 |
| 2007 | Commercial:Estuary | 0 | 2,300 | 2,300 | 1 | 21,100 | 21,101 |
| | Upper Klamath | 0 | 0 | 0 | 0 | 0 | 0 |
| | Subsistence:Estuary | 0 | 1,363 | 1,363 | 15 | 2,375 | 2,390 |
| | Middle Klamath | 0 | 200 | 200 | 1 | 425 | 426 |
| | Upper Klamath | 0 | 631 | 631 | 4 | 1,375 | 1,379 |
| | Trinity River | 6 | 1,349 | 1,355 | 0 | 2,298 | 2,298 |
| | Total | 6 | 5,843 | 5,849 | 21 | 27,573 | 27,594 |
| 2008 | Commercial:Estuary | 0 | 323 | 323 | 201 | 11,804 | 12,005 |
| | Middle Klamath | 0 | 0 | 0 | 11 | 154 | 165 |
| | Subsistence:Estuary | 0 | 295 | 295 | 101 | 5,906 | 6,007 |
| | Middle Klamath | 0 | 722 | 722 | 62 | 870 | 932 |
| | Upper Klamath | 9 | 685 | 694 | 114 | 1,612 | 1,726 |
| | Trinity River | 77 | 1,328 | 1,405 | 152 | 1,914 | 2,066 |
| | Total | 86 | 3,353 | 3,439 | 641 | 22,260 | 22,901 |
| 2009 | Commercial:Estuary | 0 | 21 | 21 | 34 | 15,463 | 15,497 |
| | Middle Klamath | 0 | 0 | 0 | 2 | 243 | 245 |
| | Subsistence:Estuary | 0 | 763 | 763 | 9 | 4,002 | 4,011 |
| | Middle Klamath | 2 | 487 | 489 | 18 | 2,202 | 2,220 |
| | Upper Klamath | 0 | 451 | 451 | 19 | 2,324 | 2,343 |
| | Trinity River | 74 | 1,764 | 1,838 | 96 | 4,153 | 4,249 |
| | Total | 76 | 3,486 | 3,562 | 178 | 28,387 | 28,565 |
| 2010 | Commercial:Estuary | 0 | 259 | 259 | 14 | 15,234 | 15,248 |
| | Middle Klamath | 0 | 0 | 0 | 3 | 83 | 86 |
| | Subsistence:Estuary | 0 | 812 | 812 | 6 | 6,491 | 6,497 |
| | Middle Klamath | 0 | 1,421 | 1,421 | 62 | 1,763 | 1,825 |
| | Upper Klamath | 6 | 781 | 787 | 91 | 2,615 | 2,706 |
| | Trinity River | 4 | 1,740 | 1,744 | 252 | 3,701 | 3,953 |
| | Total | 10 | 5,013 | 5,023 | 428 | 29,887 | 30,315 |
| 2011 ^{b/} | Commercial:Estuary | 0 | 33 | 33 | 372 | 14,931 | 15,303 |
| | Middle Klamath | 0 | 0 | 0 | 28 | 255 | 283 |
| | Subsistence:Estuary | 8 | 398 | 406 | 429 | 1,915 | 2,344 |
| | Middle Klamath | 12 | 1,234 | 1,246 | 243 | 1,942 | 2,185 |
| | Upper Klamath | 9 | 875 | 884 | 224 | 2,047 | 2,271 |
| | Trinity River | 108 | 2,282 | 2,390 | 323 | 4,966 | 5,289 |
| | Total | 137 | 4,822 | 4,959 | 1,619 | 26,056 | 27,675 |

a/ Klamath River tribal fishing areas are defined as follows: Estuary: mouth to Highway 101 bridge; Middle Klamath: Highway 101 bridge to Surpur Creek; Upper Klamath: Surpur Creek to Weitchpec.

b/ Preliminary.

TABLE B-6. Shasta, Scott, and Salmon rivers fall Chinook salmon spawning escapement estimates in numbers of fish.

| Year | Shasta River ^{a/} | | Scott River ^{b/c/} | | Salmon River ^{b/} | |
|-------------------------|----------------------------|--------|-----------------------------|-------|----------------------------|-------|
| | Adults | Jacks | Adults | Jacks | Adults | Jacks |
| 1931-1935 ^{d/} | 37,474 | 12,690 | - | - | - | - |
| 1936-1940 | 26,165 | 8,223 | - | - | - | - |
| 1941-1945 | 9,654 | 3,129 | - | - | - | - |
| 1946-1950 | 1,862 | 178 | - | - | - | - |
| 1951-1955 | 1,577 | 370 | - | - | - | - |
| 1956-1960 | 6,146 | 1,074 | - | - | - | - |
| 1961-1965 | 15,167 | 4,388 | - | - | - | - |
| 1966-1970 | 10,472 | 1,410 | - | - | - | - |
| 1971-1975 | 6,297 | 2,866 | - | - | - | - |
| 1976-1980 ^{e/} | 6,506 | 3,194 | 2,950 | 1,527 | 1,467 | 583 |
| 1981-1985 ^{f/} | 4,560 | 1,942 | 3,373 | 1,929 | 1,287 | 389 |
| 1986-1990 ^{g/} | 2,403 | 318 | 4,010 | 1,512 | 3,361 | 537 |
| 1991-1995 | 1,891 | 184 | 3,779 | 568 | 3,086 | 376 |
| 1991 | 716 | 10 | 2,019 | 146 | 1,337 | 143 |
| 1992 | 520 | 66 | 1,873 | 965 | 778 | 547 |
| 1993 | 1,341 | 85 | 5,035 | 265 | 3,077 | 456 |
| 1994 | 3,363 | 1,840 | 2,358 | 505 | 3,216 | 277 |
| 1995 | 12,816 | 695 | 11,198 | 3,279 | 4,140 | 1,335 |
| 1996 | 1,404 | 46 | 11,952 | 145 | 5,189 | 274 |
| 1997 | 1,667 | 334 | 8,284 | 277 | 5,783 | 217 |
| 1998 | 2,466 | 76 | 3,061 | 266 | 1,337 | 116 |
| 1999 | 1,296 | 1,901 | 3,021 | 563 | 670 | 110 |
| 2000 | 11,025 | 1,271 | 5,729 | 524 | 1,544 | 228 |
| 2001 | 8,452 | 2,641 | 5,398 | 744 | 2,607 | 743 |
| 2002 | 6,432 | 386 | 4,261 | 47 | 2,669 | 78 |
| 2003 | 4,134 | 155 | 11,988 | 65 | 3,302 | 73 |
| 2004 | 833 | 129 | 445 | 22 | 282 | 51 |
| 2005 | 2,018 | 37 | 698 | 58 | 401 | 105 |
| 2006 | 789 | 1,395 | 3,007 | 1,953 | 1,278 | 791 |
| 2007 | 2,009 | 27 | 4,494 | 11 | 1,377 | 55 |
| 2008 | 2,741 | 3,621 | 3,445 | 1,228 | 1,749 | 650 |
| 2009 | 6,145 | 151 | 2,167 | 44 | 2,204 | 516 |
| 2010 | 1,261 | 87 | 2,114 | 394 | 2,478 | 356 |
| 2011 ^{h/} | 213 | 11,187 | 3,016 | 2,499 | 3,674 | 1,819 |

a/ From 1930-1937, 1957-1987 and 1991-1995, Shasta counts were made near the river mouth. From 1938-1955, they were made 6.5 miles upstream from the mouth; considerable spawning occurred downstream from the racks in these years. From 1988-1990, escapements were estimated from mark-recapture data (spawning surveys). 1991- 2011 estimates were generated from weir counts.

b/ In 1991, estimates were generated from weir counts. In 1992-2007, estimates were generated from carcass surveys. In 2008-2011, estimates were generated from a combination of video weir counts and carcass surveys.

c/ In 2005 and 2007, redd counts were used in lieu of carcass surveys.

d/ Commercial fishing in lower Klamath River closed by the state after the 1933 season.

e/ Gillnetting resumed in lower 20 miles of Klamath River by Hoopa Valley Indian Reservation fishers in 1976.

f/ Shasta adults include 276 females taken to Iron Gate Hatchery in 1981.

g/ Low water conditions appeared to hinder entry into the Shasta River in 1988.

h/ Preliminary.

TABLE B-7. Summary of California North Coast salmon spawning stock surveys in numbers of fish or redd counts.

| Year | Cañon Creek ^{a/b/c/} (Mad River) | | Sprowl Creek ^{a/b/d/} (Eel River) | | Tomki Creek ^{e/} (Eel River) | Russian ^{f/} River | Lagunitas ^{g/} Watershed |
|-----------------------------|--|------|---|------|--|--------------------------------|--------------------------------------|
| | Chinook | Coho | Chinook | Coho | Chinook | Chinook | Coho Redds |
| 1978-1979 | - | - | 534 | 23 | - | - | - |
| 1979-1980 | - | - | 572 | 0 | 2,410 | - | - |
| 1980-1981 | - | - | 164 | 4 | 317 | - | - |
| 1981-1982 | 23 | 0 | 121 | 0 | 1,153 | - | - |
| 1982-1983 | 68 | 0 | 169 | 1 | 1,807 | - | - |
| 1983-1984 | 137 | 0 | 82 | 0 | - | - | - |
| 1984-1985 ^{h/} | 16 | 0 | 67 | 13 | 1,292 | - | - |
| 1985-1986 | 514 | 14 | 320 | 0 | 3,558 | - | - |
| 1986-1987 ^{h/} | 90 | 3 | 307 | 13 | 2,173 | - | - |
| 1987-1988 | 117 | 29 | 2,187 | 4 | 3,666 | - | - |
| 1988-1989 | 69 | 7 | 339 | 12 | 556 | - | - |
| 1989-1990 ^{h/} | 9 | 9 | 89 | 14 | - | - | - |
| 1990-1991 | 0 | 3 | 0 | 0 | - | - | - |
| 1991-1992 ^{h/} | 8 | 0 | 159 | 0 | 3 | - | - |
| 1992-1993 ^{h/} | 57 | 1 | 142 | 2 | 15 | - | - |
| 1993-1994 | 20 | 0 | 171 | 36 | 5 | - | - |
| 1994-1995 | 33 | 3 | 52 | 0 | 21 | - | - |
| 1995-1996 ^{h/} | 93 | 4 | 136 | 8 | 69 | - | 86 |
| 1996-1997 | 129 | 4 | 106 | 8 | 84 | - | 254 |
| 1997-1998 | 55 | 1 | 97 | 0 | 39 | - | 253 |
| 1998-1999 | 66 | 0 | 79 | 11 | 45 | - | 184 |
| 1999-2000 ^{h/} | 162 | 1 | 34 | 1 | 24 | - | 203 |
| 2000-2001 ^{h/} | 79 | 3 | 12 | 0 | 50 | 1,445 | 204 |
| 2001-2002 | 45 | 6 | 136 | 25 | 162 | 1,383 | 286 |
| 2002-2003 | 402 | 1 | 267 | 17 | 5 | 5,474 | 158 |
| 2003-2004 ^{h/} | 79 | 1 | 106 | 8 | 137 | 6,103 | 383 |
| 2004-2005 ^{h/} | 86 | 0 | 199 | 36 | 115 | 4,788 | 496 |
| 2005-2006 | 270 | 0 | 201 | 13 | 77 | 2,572 | 190 |
| 2006-2007 ^{i/} | 152 | 2 | 37 | 9 | 20 | 3,410 | 338 |
| 2007-2008 ^{i/} | 99 | 1 | 70 | 19 | 69 | 1,963 | 148 |
| 2008-2009 ^{i/} | 65 | 0 | 158 | 40 | 17 | 1,125 | 26 |
| 2009-2010 ^{i/} | 36 | 0 | 314 | 2 | 15 | 1,801 | 51 |
| 2010-2011 ^{i/} | 131 | 2 | 273 | 60 | 151 | 2,414 | 80 |
| 2011-2012 ^{h/i/j/} | 76 | 1 | 20 | 98 | 92 | 3,088 | 103 ^{k/} |

a/ Survey frequency variable from year to year (between 1 and 10 surveys annually).

b/ Numbers reflect maximum annual counts of live fish and carcasses with adults and jacks combined. Counts are not shown in years where visibility is too poor to conduct surveys.

c/ Survey area was from mouth to falls (2 miles).

d/ Survey area was the mainstem and West Fork (4.5 miles).

e/ Total run size estimate including jacks and adults. Survey methodology changed in 2000-2001 to using index sites, and subsequent estimates are not comparable to previous estimates.

f/ Video counts of combined adults and jacks made at Mirabel Dam. Image quality is affected by turbidity.

g/ Numbers reported are redd counts. Olema Creek is excluded.

h/ Low flows appeared to increase mainstem spawning and decrease tributary spawning for Cañon, Sprowl, and Tomki creeks.

i/ Cañon and Sprowl creek totals exclude salmonids that were unidentifiable to species due to poor visibility or advanced decomposition.

j/ Preliminary data.

k/ Redd counts as of January 31, 2012.

TABLE B-8. Peak spawning counts in index areas for selected south/local migrating Oregon coastal fall Chinook stocks.

| Year or Avg. | Deep Creek (Pistol River) (0.4 mile) | | Big Emily Creek (Chetco River) (1.0 mile) | | Bear Creek (Winchuck River) (0.8 mile) | | Index (fish per mile) | |
|--------------------|---|-----------------|--|-------|---|-------|-----------------------|-------|
| | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks |
| 1961-1965 | 6 | 1 | - | - | 22 | 1 | - | - |
| 1966-1970 | 31 | 3 | - | - | 36 | 2 | - | - |
| 1971-1975 | 5 | 0 | 211 | 12 | 25 | 2 | 130 | 7 |
| 1976-1980 | 2 | 1 | 124 | 32 | 18 | 1 | 65 | 14 |
| 1981-1985 | 24 | 2 | 62 | 10 | 13 | 1 | 45 | 6 |
| 1986-1990 | 9 ^{a/} | 1 ^{a/} | 58 | 12 | 10 | 2 | 35 | 7 |
| 1991-1995 | 12 | 9 | 74 | 10 | 16 | 2 | 46 | 10 |
| 1996 | 81 | 9 | 79 | 7 | 27 | 5 | 85 | 10 |
| 1997 | 17 | 1 | 60 | 5 | 14 | 1 | 41 | 3 |
| 1998 | 46 | 11 | 52 | 3 | 19 | 2 | 53 | 7 |
| 1999 | 58 | 3 | 12 | 1 | 10 | 0 | 36 | 2 |
| 2000 | 26 | 3 | 63 | 6 | 11 | 1 | 45 | 5 |
| 2001 | 25 | 2 | 49 | 2 | 9 | 3 | 38 | 3 |
| 2002 | 62 | 7 | 70 | 3 | 15 | 9 | 67 | 9 |
| 2003 | 20 | 7 | 28 | 5 | 12 | 1 | 27 | 6 |
| 2004 | 97 | 19 | 29 | 4 | 11 | 1 | 62 | 11 |
| 2005 | 15 | 2 | 16 | 3 | 1 | 0 | 15 | 2 |
| 2006 | 22 | 3 | 24 | 2 | 5 | 1 | 23 | 3 |
| 2007 | 44 | 0 | 14 | 4 | 6 | 1 | 29 | 2 |
| 2008 | 10 | 1 | 15 | 29 | 3 | 5 | 13 | 16 |
| 2009 | 20 | 1 | 91 | 11 | 35 | 9 | 66 | 10 |
| 2010 | 14 | 2 | 75 | 5 | 26 | 2 | 52 | 4 |
| 2011 ^{b/} | 12 | 2 | 49 | 6 | 17 | 3 | 35 | 5 |

a/ Pistol River was subject to several "slope failures" in 1986 resulting in severe short-term alterations in gravel bars and spawning index areas. Considerable debris and siltation severely limited Chinook surveys resulting in "0" counts in Deep Creek index areas through December.

b/ Preliminary.

TABLE B-9. Counts of natural and hatchery spring Chinook salmon at Gold Ray Dam on the Rogue River and at Winchester Dam on the North Umpqua River in thousands of fish.

| Year or Avg. | Gold Ray Dam, Rogue River ^{a/} | | | | Winchester Dam, Umpqua River ^{a/} | | | |
|--------------------|---|----------|-------|---------------------|--|----------|-------|---------------------|
| | Natural | Hatchery | Total | Jacks ^{b/} | Natural | Hatchery | Total | Jacks ^{b/} |
| 1942-1945 | 35.1 | - | 35.1 | 4.9 | - | - | - | - |
| 1946-1950 | 24.7 | - | 24.7 | 3.0 | 2.7 | - | 2.7 | 0.5 |
| 1951-1955 | 21.4 | - | 21.4 | 4.2 | 4.2 | 0.9 | 4.9 | 1.0 |
| 1956-1960 | 19.8 | - | 19.8 | 3.4 | 4.4 | 0.9 | 5.4 | 0.7 |
| 1961-1965 | 37.7 | - | 37.7 | 6.4 | 6.4 | 1.8 | 8.2 | 1.8 |
| 1966-1970 | 33.9 | - | 33.9 | 5.5 | 7.2 | 4.5 | 11.8 | 3.2 |
| 1971-1975 | 26.0 | 0.8 | 26.8 | 5.0 | 7.3 | 6.2 | 13.5 | 3.8 |
| 1976-1980 | 25.8 | 6.3 | 32.1 | 7.0 | 5.8 | 3.9 | 9.7 | 3.2 |
| 1981-1985 | 16.4 | 6.2 | 22.6 | 7.3 | 5.2 | 3.5 | 8.7 | 2.5 |
| 1986-1990 | 28.5 | 39.2 | 67.7 | 14.9 | 7.5 | 4.1 | 11.6 | 2.5 |
| 1991-1995 | 9.7 | 18.4 | 28.0 | 3.9 | 3.5 | 2.5 | 6.0 | 1.1 |
| 1996 | 10.3 | 26.3 | 36.6 | 3.4 | 4.3 | 2.2 | 6.5 | 1.0 |
| 1997 | 9.6 | 32.2 | 41.8 | 2.8 | 3.3 | 2.5 | 5.8 | 16.0 |
| 1998 | 3.7 | 12.3 | 16.0 | 2.8 | 4.0 | 2.9 | 6.9 | 1.5 |
| 1999 | 6.0 | 15.0 | 21.0 | 1.9 | 2.8 | 4.6 | 7.4 | 3.1 |
| 2000 | 3.4 | 26.8 | 30.2 | 3.1 | 3.4 | 9.2 | 12.6 | 4.6 |
| 2001 | 9.3 | 23.9 | 33.2 | 2.3 | 6.1 | 14.6 | 20.7 | 4.7 |
| 2002 | 7.0 | 40.8 | 47.8 | 3.2 | 6.8 | 17.4 | 24.2 | 3.1 |
| 2003 | 19.3 | 22.6 | 41.9 | 3.0 | 7.9 | 12.3 | 20.2 | 4.1 |
| 2004 | 13.3 | 26.0 | 39.3 | 3.8 | 5.4 | 10.1 | 15.4 | 2.5 |
| 2005 | 5.8 | 12.3 | 18.1 | 1.3 | 3.6 | 5.5 | 9.0 | 1.3 |
| 2006 | 4.8 | 7.0 | 11.7 | 2.2 | 2.6 | 3.5 | 6.1 | 1.7 |
| 2007 | 3.5 | 7.7 | 11.2 | 1.6 | 2.4 | 4.2 | 6.6 | 1.7 |
| 2008 | 4.0 | 8.6 | 12.5 | 3.8 | 2.6 | 5.1 | 7.7 | 2.7 |
| 2009 | 5.2 | 8.3 | 13.6 | 2.3 | 5.3 | 9.0 | 14.3 | 4.8 |
| 2010 | 9.6 | 11.5 | 21.1 | 1.9 | 6.1 | 7.8 | 13.9 | 3.8 |
| 2011 ^{c/} | 9.9 ^{d/} | NA | NA | NA | 8.9 | 7.7 | 16.6 | 5.4 |

a/ Jacks included in natural, hatchery, and total counts.

b/ Jacks include all Chinook less than 20 inches prior to 1978 and all Chinook less than 24 inches beginning in 1978.

c/ Preliminary.

d/ Gold Ray Dam removed October, 2010. Natural estimate derived using relationship of 2004-2010 spawning ground surveys to Gold Ray Dam passage. Estimate includes an unknown number of jacks.

TABLE B-10. Rogue River fall Chinook carcass counts in numbers of fish.

| Year or Avg. | Carcass Counts | | |
|--------------------|---------------------|-------|--------|
| | Adults | Jacks | Total |
| 1977-1980 | 5,256 | 1,004 | 6,259 |
| 1981-1985 | 3,906 | 1,009 | 4,915 |
| 1986-1990 | 16,797 | 1,527 | 18,324 |
| 1990-1995 | 4,387 | 316 | 4,703 |
| 1996 | 2,448 | 121 | 2,569 |
| 1997 | 1,643 | 68 | 1,711 |
| 1998 | 3,601 | 40 | 3,641 |
| 1999 | 2,493 | 157 | 2,650 |
| 2000 | 3,366 | 226 | 3,592 |
| 2001 | 6,380 | 772 | 7,152 |
| 2002 | 11,836 | 905 | 12,741 |
| 2003 | 14,620 | 983 | 15,603 |
| 2004 | 5,326 ^{a/} | 250 | 5,576 |
| 2005 ^{b/} | - | - | - |
| 2006 ^{b/} | - | - | - |
| 2007 ^{b/} | - | - | - |
| 2008 ^{b/} | - | - | - |
| 2009 ^{b/} | - | - | - |
| 2010 ^{b/} | - | - | - |
| 2011 ^{b/} | - | - | - |

a/ In 2004, one of the standard survey sections was not sampled. In the previous two years, this section accounted for 33 percent of the total adult carcass counts.

b/ Surveys were not conducted.

TABLE B-11. Peak counts for north migrating Oregon coastal Chinook stocks on selected fall Chinook spawning index stream surveys.

| Year or Average | River Tributaries | | | | | | | | | | | | | | | | | | | | |
|--------------------|-----------------------------------|-------|-------------------------|-------|-------------------------------------|-------|---------------------------------|-------|-------------------------------|-------|----------------------------|-------|------------------------------|-------|-------------------------------------|-------|------------------------------------|-------|------------------------|-------|--------|
| | Humbug (Nehalem) (1.0 mile) | | Tillamook (1.8 mile) | | Niagara (Nestucca) (0.4 mile) | | Sunshine (Siletz) (1.2 mile) | | Grant (Yaquina) (1.7 mile) | | Buck (Alsea) (1.0 mile) | | Siuslaw (Lake) (0.8 mile) | | W.F. Millicoma (Coos) (0.5 mile) | | Salmon (Coquille) (0.8 mile) | | Index Fish Per Mile | | |
| | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults |
| 1961-1965 | 95 | 22 | 116 | 25 | 72 | 5 | 59 | 13 | 43 | 13 | 28 | 9 | 61 | 15 | 2 | 1 | 23 | 13 | 54 | 13 | |
| 1966-1970 | 57 | 3 | 93 | 27 | 47 | 6 | 30 | 5 | 61 | 13 | 26 | 16 | 134 | 40 | 6 | 1 | 26 | 9 | 52 | 13 | |
| 1971-1975 | 101 | 26 | 55 | 5 | 55 | 4 | 40 | 5 | 64 | 8 | 17 | 3 | 94 | 49 | 18 | 13 | 15 | 5 | 50 | 14 | |
| 1976-1980 | 143 | 12 | 61 | 6 | 32 | 2 | 47 | 5 | 127 | 23 | 22 | 3 | 166 | 39 | 31 | 28 | 31 | 10 | 72 | 14 | |
| 1981-1985 | 163 | 18 | 95 | 9 | 78 | 6 | 55 | 2 | 178 | 24 | 47 | 6 | 149 | 31 | 6 | 2 | 45 | 7 | 89 | 11 | |
| 1986-1990 | 136 | 4 | 154 | 8 | 118 | 3 | 54 | 2 | 240 | 24 | 100 | 6 | 427 | 44 | 15 | 5 | 49 | 6 | 141 | 11 | |
| 1991-1995 | 65 | 2 | 92 | 6 | 103 | 3 | 60 | 2 | 153 | 10 | 44 | 4 | 395 | 18 | 49 | 7 | 86 | 5 | 116 | 6 | |
| 1996 | 86 | 2 | 60 | 0 | 40 | 0 | 122 | 0 | a/ | a/ | 62 | 2 | 614 | 29 | 92 | 3 | 29 | 3 | 147 | 5 | |
| 1997 | 162 | 1 | 47 | 1 | 24 | 1 | 60 | 0 | a/ | a/ | 49 | 3 | 325 | 9 | 12 | 0 | 108 | 3 | 105 | 2 | |
| 1998 | 93 | 2 | 42 | 1 | 42 | 0 | 83 | 3 | a/ | a/ | 78 | 0 | 176 | 2 | 33 | 10 | 193 | 7 | 99 | 3 | |
| 1999 | 116 | 3 | 38 | 1 | 60 | 2 | 36 | 3 | a/ | a/ | 55 | 5 | 478 | 14 | 14 | 3 | 136 | 8 | 124 | 5 | |
| 2000 | 175 | 3 | 40 | 3 | 32 | 2 | 63 | 1 | a/ | a/ | 38 | 3 | 205 | 18 | 5 | 0 | 83 | 9 | 85 | 5 | |
| 2001 | 220 | 4 | 62 | 6 | 53 | 7 | 195 | 3 | a/ | a/ | 95 | 6 | 711 | 49 | 30 | 5 | 153 | 22 | 203 | 14 | |
| 2002 | 311 | 1 | 137 | 3 | 124 | 1 | 221 | 1 | a/ | a/ | 118 | 6 | 834 | 22 | 51 | 12 | 218 | 9 | 269 | 7 | |
| 2003 | 215 | 6 | 135 | 5 | 27 | 1 | 120 | 3 | 341 | 7 | 145 | 1 | 1,230 | 37 | 209 | 31 | 147 | 2 | 279 | 10 | |
| 2004 | 196 | 3 | 71 | 2 | 76 | 1 | 19 | 0 | 238 | 11 | 91 | 5 | 988 | 16 | 40 | 4 | 101 | 5 | 198 | 5 | |
| 2005 | 124 | 3 | a/ | a/ | 74 | 2 | 54 | 1 | a/ | a/ | 40 | 1 | 302 | 5 | 17 | 2 | 61 | 2 | 118 | 3 | |
| 2006 | 31 | 0 | 65 | 0 | 67 | 0 | 82 | 0 | a/ | a/ | 22 | 0 | 165 | 0 | 7 | 1 | 129 | 8 | 76 | 1 | |
| 2007 | 91 | 1 | 34 | 2 | 20 | 0 | 6 | 0 | a/ | a/ | 17 | 1 | 132 | 2 | 14 | 3 | 2 | 0 | 42 | 1 | |
| 2008 | 73 | 1 | 15 | 2 | 13 | 0 | 8 | 0 | a/ | a/ | 11 | 2 | 135 | 15 | 20 | 5 | 28 | 8 | 40 | 4 | |
| 2009 | 92 | 13 | 17 | 0 | 2 | 0 | 32 | 2 | a/ | a/ | 50 | 0 | 179 | 26 | 34 | 9 | a/ | a/ | 61 | 7 | |
| 2010 | 57 | 0 | 24 | 1 | 27 | 2 | 56 | 3 | a/ | a/ | 75 | 6 | 301 | 7 | 46 | 14 | a/ | a/ | 87 | 5 | |
| 2011 ^{b/} | 164 | 5 | 48 | 2 | 15 | 1 | 29 | 0 | a/ | a/ | 40 | 2 | 270 | 21 | 53 | 1 | a/ | a/ | 92 | 5 | |

a/ Surveys were not conducted.

b/ Preliminary.

TABLE B-12. Estimates of minimum inriver run size, catch, and escapement in numbers of Columbia River adult spring Chinook destined for areas below Bonneville Dam.

| Year or Average | Minimum Inriver Run Size | Tributary Runs | | | | | | | | | | | |
|--------------------|--------------------------------|---------------------------------|-------|------------|------------------------------|---|--------|--------|--------|-----------------------|---------------------|--------|--------------------------------------|
| | | Lower River Catch ^{a/} | | Willamette | | | | | Sandy | Cowlitz ^{c/} | Lewis ^{c/} | Kalama | Hatchery Escapement ^{d/} |
| | | Commercial | Sport | Run Size | L. Willamette Sport Catch | Will. Falls Escapement ^{b/} | | | | | | | |
| 1971-1975 | 84,000 | 13,800 | 3,700 | 53,300 | 17,000 | 34,300 | -- | 11,900 | 200 | 1,100 | 20,000 | | |
| 1976-1980 | 92,160 | 6,160 | 2,720 | 51,240 | 14,380 | 31,420 | 975 | 19,680 | 2,980 | 2,020 | 26,580 | | |
| 1981-1985 | 130,000 | 6,680 | 1,840 | 67,700 | 15,620 | 35,580 | 1,940 | 19,960 | 4,220 | 3,740 | 28,840 | | |
| 1986-1990 | 175,563 | 11,980 | 4,330 | 103,100 | 21,140 | 58,760 | 2,425 | 10,691 | 11,340 | 1,877 | 32,460 | | |
| 1991-1995 | 119,467 | 3,680 | 2,875 | 66,039 | 18,180 | 32,580 | 4,920 | 6,801 | 5,870 | 1,976 | 23,700 | | |
| 1996 | 54,241 | 149 | - | 33,358 | 6,100 | 20,400 | 3,801 | 1,787 | 1,730 | 627 | 15,900 | | |
| 1997 | 53,345 | 300 | - | 34,536 | 1,900 | 26,200 | 4,410 | 1,877 | 2,196 | 505 | 18,100 | | |
| 1998 | 52,460 | 100 | 49 | 43,497 | 2,800 | 33,100 | 3,577 | 1,055 | 1,611 | 407 | 22,900 | | |
| 1999 | 62,948 | 349 | - | 52,584 | 5,500 | 38,900 | 3,585 | 2,069 | 1,753 | 977 | 25,900 | | |
| 2000 | 72,192 | 1,149 | 249 | 55,788 | 9,000 | 37,594 | 3,641 | 2,199 | 2,515 | 1,418 | 24,100 | | |
| 2001 | 100,666 | 3,700 | 4,300 | 78,436 | 7,600 | 52,700 | 5,329 | 1,609 | 3,777 | 1,796 | 29,000 | | |
| 2002 | 149,987 | 7,900 | 5,800 | 120,164 | 10,800 | 83,100 | 5,905 | 5,215 | 3,520 | 2,932 | 58,300 | | |
| 2003 | 163,370 | 1,900 | 8,200 | 123,352 | 13,500 | 87,600 | 5,615 | 15,998 | 5,057 | 4,565 | 45,626 | | |
| 2004 | 195,851 | 8,500 | 7,500 | 143,242 | 12,000 | 95,200 | 12,680 | 16,521 | 7,426 | 4,339 | 67,791 | | |
| 2005 | 85,984 | 3,400 | 4,400 | 59,495 | 5,800 | 35,453 | 7,668 | 9,358 | 3,511 | 3,389 | 33,102 | | |
| 2006 | 91,034 | 3,000 | 2,900 | 59,311 | 7,200 | 36,851 | 4,382 | 6,967 | 7,311 | 5,482 | 34,428 | | |
| 2007 | 69,330 | 1,900 | 2,600 | 39,943 | 5,700 | 22,818 | 2,813 | 3,974 | 7,596 | 8,036 | 29,375 | | |
| 2008 | 44,451 | 100 | 700 | 27,016 | 4,600 | 14,151 | 5,994 | 2,986 | 2,252 | 1,617 | 15,757 | | |
| 2009 | 53,850 | 349 | 2,000 | 39,400 | 4,500 | 25,795 | 2,429 | 5,977 | 1,485 | 402 | 18,805 | | |
| 2010 | 154,795 | 3,349 | 6,200 | 110,500 | 22,700 | 65,293 | 7,710 | 8,830 | 2,337 | 918 | 48,591 | | |
| 2011 ^{e/} | 99,735 | 2,349 | 2,500 | 80,254 | 22,800 | 43,748 | 4,348 | 4,064 | 1,436 | 764 | 32,371 | | |

a/ Includes some upriver origin spring Chinook through 1980. Beginning in 1981, the lower river catch of lower river spring Chinook is based on mark recoveries rather than the timing of the catch, as in previous years. Since 1986, GSI and VSI techniques have been used for stock composition analysis. Commercial catch includes Select Area fisheries. Sport catch is mainstem Columbia River, does not include tributaries. Catch may include small numbers of jacks. Sport fishery closed in 1995 to 1997.

b/ Prior to 1988, the escapement goal at Willamette Falls was 30,000 to 35,000. Beginning in 1988, the goal was dependent on run size under the Willamette Basin Fish Management Plan. Since 2001, hatchery escapement targets are set in the Fisheries Management and Evaluation Plan developed by ODFW. Lower Willamette sport catch may include small numbers of jacks.

c/ Includes hatchery escapement, tributary recreational catch, and natural spawning escapement for 1975 to present. The years 1971-1973 are based on using the 1975-1976 Cowlitz River recreational fishery adult harvest rates.

d/ Includes hatcheries operated by all agencies. Values are included in the totals for the tributary runs.

e/ Preliminary.

TABLE B-13. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult spring Chinook destined for areas above Bonneville Dam.^{a/} This table includes Snake River summer Chinook.

| Year or Avg. | Inriver Run Size | Lower River Catch ^{b/} | | Bonneville Dam Count | Zone 6 Sport | Mainstem Treaty Indian Catch | | Snake River Escapement ^{d/} | | Rock Island Dam Count | | Hatchery Escapement ^{e/} |
|--------------------|------------------|---------------------------------|--------|----------------------|--------------|------------------------------|----------------------------|--------------------------------------|----------------------|-----------------------|-------|-----------------------------------|
| | | Commercial | Sport | | | Commercial ^{c/} | Ceremonial/ Subsistence | Hatchery | Wild | Hatchery | Wild | |
| 1976-1980 | 55,960 | 185 | 0 | 55,775 | - | 259 | 1,714 | 2,903 | 6,413 | 2,800 | 2,241 | 2,613 |
| 1981-1985 | 70,440 | 1,706 | 393 | 68,342 | - | 1,024 | 2,545 | 7,508 | 10,787 | 4,831 | 3,239 | 10,849 |
| 1986-1990 | 108,167 | 2,378 | 1,357 | 104,433 | - | 186 | 6,771 | 19,648 | 10,192 | 5,881 | 3,089 | 18,780 |
| 1991-1995 | 63,404 | 511 | 711 | 62,183 | - | 15 | 3,730 | 7,097 | 7,015 | 5,698 | 1,546 | 11,386 |
| 1996 | 55,552 | 46 | 10 | 55,496 | - | 0 | 2,911 | 3,179 | 3,788 | 1,959 | 371 | 5,402 |
| 1997 | 124,321 | 53 | 16 | 124,252 | - | 14 | 8,309 | 39,388 | 5,310 | 4,767 | 697 | 27,191 |
| 1998 | 44,308 | 27 | 14 | 44,267 | - | 1 | 2,224 | 6,707 | 7,587 | 2,735 | 377 | 8,813 |
| 1999 | 43,067 | 28 | 16 | 43,023 | - | 1 | 1,983 | 3,703 | 2,856 | 3,272 | 370 | 5,786 |
| 2000 | 186,715 | 251 | 124 | 186,340 | - | 1,379 | 9,973 | 29,568 | 8,255 | 13,954 | 829 | 21,623 |
| 2001 | 440,336 | 2,538 | 22,719 | 415,079 | 167 | 43,790 | 10,985 | 141,121 | 45,337 | 31,314 | 4,305 | 49,869 |
| 2002 | 335,214 | 10,151 | 16,268 | 308,795 | 1,716 | 24,257 | 9,208 | 67,312 | 30,248 | 19,976 | 1,622 | 35,042 |
| 2003 | 242,605 | 3,493 | 9,611 | 229,501 | 1,860 | 9,205 | 9,090 | 54,951 | 32,365 | 12,046 | 1,174 | 24,547 |
| 2004 | 221,675 | 6,233 | 17,146 | 198,296 | 1,616 | 8,370 | 9,114 | 58,624 | 21,401 | 9,525 | 1,744 | 26,447 |
| 2005 | 106,911 | 2,289 | 7,235 | 97,397 | 388 | 1 | 6,163 | 22,932 | 10,127 | 12,882 | 3,223 | 19,373 |
| 2006 | 132,583 | 2,238 | 4,187 | 126,158 | 1,245 | 0 | 8,401 | 20,248 | 9,490 | 10,245 | 1,092 | 16,752 |
| 2007 | 86,247 | 1,491 | 3,927 | 80,829 | 1,368 | 3 | 5,624 | 23,308 | 7,100 | 10,106 | 803 | 15,700 |
| 2008 | 178,629 | 6,292 | 19,612 | 151,895 | 2,196 | 12,314 | 8,247 | 55,587 | 17,586 | 19,575 | 1,178 | 35,314 |
| 2009 | 169,296 | 4,543 | 15,246 | 147,489 | 290 | 0 | 11,083 | 49,836 | 14,975 | 20,964 | 1,855 | 32,534 |
| 2010 | 315,345 | 9,281 | 23,535 | 277,389 | 3,512 | 25,008 | 12,807 | 97,770 | 26,643 | 22,291 | 2,110 | 51,730 |
| 2011 ^{f/} | 221,157 | 3,929 | 9,506 | 205,431 | 2,379 | 7 | 13,235 | 72,262 | 24,562 | 17,625 | 2,682 | 27,170 |
| GOAL | | | | 115,000 | | | | 35,000 ^{g/} | 25,000 ^{g/} | | | |

a/ Spring Chinook accounting ends on June 15. Chinook formerly managed separately as Snake River summer Chinook are now grouped with all upriver spring Chinook because of overlap in run timing. Snake River summer Chinook have been moved from Table B-14 to this table.

b/ Includes some lower river origin spring Chinook through 1980. Beginning in 1981, the lower river catch of upriver spring Chinook is based on mark recoveries rather than timing of the catch as in previous years. Since 1986, GSI techniques have been used for stock composition analysis. Commercial catch includes estimated miscellaneous fishery-related impacts from test fisheries, commercial shad fisheries, and Select Area commercial gillnet fisheries beginning in 1979 and catch and release mortalities from selective fisheries beginning in 2001. Sport catch includes mainstem fisheries between Buoy 10 and Bonneville Dam.

c/ Spring season fishery closed in 1975, 1976, and from 1978 to 2000. Spring Chinook landed during those years were from the winter season fishery.

d/ Snake River escapement at Lower Granite relative to escapement goals. Wild escapement goal includes Snake Basin harvest below Lower Granite Dam, Lower Granite count of wild escapement, and Tucannon wild return. Hatchery escapement goal includes Lower Granite count of hatchery escapement only.

e/ Hatchery rack and trap returns above Lower Granite Dam plus Tucannon and hatchery returns above Priest Rapids Dam (Wenatchee, Entiat, and Methow) plus Ringold. Does not include Leavenworth or East Bank.

f/ Preliminary.

g/ U.S. v. Oregon goal; not an FMP goal: wild escapement goal includes Snake Basin harvest below Lower Granite Dam, Lower Granite count of wild escapement, and Tucannon wild return. Hatchery escapement goal includes Lower Granite count of hatchery escapement only.

TABLE B-14. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult summer Chinook destined for areas above Bonneville Dam.^{a/} This table does not include Snake River summer Chinook.

| Year or Avg. | Inriver Run Size | Lower River Catch ^{b/} | | Bonneville Dam Count | Zone 6 Sport | Mainstem Treaty Indian Catch | | |
|--------------------|----------------------------|---------------------------------|-------|-------------------------|--------------|------------------------------|----------------------------|----------------------------|
| | | Commercial ^{c/} | Sport | | | Commercial ^{d/} | Ceremonial/ Subsistence | Rock Island Dam Count |
| 1976-1980 | 22,320 | 81 | - | 22,485 | - | 38 | 1,047 | 16,326 |
| 1981-1985 | 16,709 | 55 | - | 16,767 | - | 304 | 669 | 10,010 |
| 1986-1990 | 21,036 | 71 | 10 | 21,166 | - | 708 | 194 | 14,563 |
| 1991-1995 | 12,984 | 30 | 15 | 12,988 | - | - | 227 | 10,748 |
| 1996 | 12,080 | 15 | 34 | 12,031 | 0 | 0 | 374 | 9,417 |
| 1997 | 17,709 | 6 | 16 | 18,252 | 0 | 0 | 270 | 10,063 |
| 1998 | 15,536 | 1 | 27 | 16,304 | 0 | 0 | 335 | 11,225 |
| 1999 | 21,867 | 1 | 51 | 21,815 | 0 | 0 | 395 | 18,588 |
| 2000 | 22,595 | 0 | 17 | 22,578 | 0 | 0 | 209 | 20,218 |
| 2001 | 52,960 | 1 | 64 | 52,895 | 0 | 150 | 542 | 48,844 |
| 2002 | 89,524 | 8 | 1,447 | 88,069 | 113 | 74 | 2,019 | 86,825 |
| 2003 | 83,058 | 36 | 1,945 | 81,077 | 417 | 3,587 | 710 | 81,543 |
| 2004 | 65,623 | 222 | 1,246 | 63,970 | 261 | 8,004 | 390 | 62,311 |
| 2005 | 60,272 | 2,787 | 1,621 | 55,864 | 487 | 6,415 | 1,227 | 54,033 |
| 2006 | 77,573 | 4,828 | 4,926 | 67,819 | 346 | 15,771 | 548 | 61,821 |
| 2007 | 37,035 | 1,122 | 2,214 | 33,699 | 194 | 4,564 | 811 | 28,222 |
| 2008 | 55,532 | 1,429 | 2,140 | 51,963 | 1,072 | 8,317 | 712 | 38,171 |
| 2009 | 53,881 | 2,546 | 2,341 | 48,994 | 193 | 10,441 | 1,209 | 44,295 |
| 2010 | 72,346 | 4,740 | 2,738 | 64,638 | 156 | 15,569 | 0 ^{e/} | 47,220 |
| 2011 ^{f/} | 80,574 | 5,004 | 5,576 | 69,994 | 208 | 20,645 | 0 ^{e/} | 44,432 |
| GOAL | 29,000^{g/} | | | | | | | 12,143^{h/} |

a/ Summer Chinook accounting begins on June 16. Chinook managed as Snake River summer Chinook prior to 2004 are now grouped with all upriver spring Chinook because of overlap in run timing. As of 2004, they have been moved from this table to Table B-13.

b/ Includes estimated miscellaneous fishery-related impacts from mainstem recreational fisheries, test fisheries, commercial shad fisheries, and terminal area commercial gillnet fisheries beginning in 1979. Includes catch and release mortality in selective fisheries beginning in 2002.

c/ No directed commercial summer Chinook fishery from 1964 to 2003. Landings during those years are bycatch from commercial shad and sockeye fisheries.

d/ No directed commercial summer Chinook fishery from 1965 to 2003. Landings during those years are bycatch from commercial sockeye fishery.

e/ No ceremonial and subsistence permits issued, sales of platform and hook & line subsistence catch allowed and included in commercial catch.

f/ Preliminary.

g/ Comanager goal established in 2004 associated with regrouping Snake River summer Chinook with Snake River spring Chinook.

h/ MSY spawning escapement objective adopted in 2011 under Amendment 16 based on Chinook Technical Committee Report 99-3.

TABLE B-15. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult Spring Creek Hatchery (SCH) stock fall Chinook.^{a/}

| Year or Average | Inriver Run Size | Harvest | | | | Escapement | |
|--------------------|------------------|-------------------------|--|--------------------------|-------|------------|------------------------|
| | | Bonneville Dam Count | Treaty Indian Commercial and Subsistence | Non-Indian | | Natural | Hatchery ^{c/} |
| | | | | Commercial ^{b/} | Sport | | |
| 1971-1975 | 105,700 | 67,600 | 29,000 | 37,900 | 300 | 2,900 | 17,000 |
| 1976-1980 | 116,522 | 83,000 | 32,533 | 31,794 | 131 | 3,884 | 21,972 |
| 1981-1985 | 63,342 | 49,780 | 24,637 | 9,747 | 580 | 2,711 | 15,955 |
| 1986-1990 | 16,673 | 10,200 | 6,080 | 2,920 | 820 | 1,500 | 4,600 |
| 1991-1995 | 30,192 | 25,564 | 11,360 | 2,067 | 1,280 | 1,460 | 9,700 |
| 1996 | 33,137 | 30,300 | 21,100 | 1,700 | 900 | 1,300 | 7,700 |
| 1997 | 27,377 | 23,300 | 10,329 | 0 | 2,981 | 4,612 | 8,688 |
| 1998 | 20,158 | 17,100 | 6,592 | 197 | 2,556 | 2,731 | 3,224 |
| 1999 | 50,189 | 46,800 | 28,197 | 258 | 2,617 | 3,338 | 14,488 |
| 2000 | 20,527 | 18,400 | 7,903 | 1,141 | 897 | 4,085 | 6,257 |
| 2001 | 124,951 | 115,800 | 52,124 | 3,693 | 3,302 | 5,063 | 36,663 |
| 2002 | 158,299 | 145,200 | 48,350 | 11,485 | 6,654 | 8,069 | 67,436 |
| 2003 | 180,592 | 161,735 | 48,204 | 9,850 | 7,659 | 27,894 | 56,935 |
| 2004 | 175,245 | 164,482 | 59,941 | 3,690 | 5,614 | 14,084 | 68,932 |
| 2005 | 103,526 | 98,322 | 49,471 | 3,981 | 3,049 | 4,667 | 31,977 |
| 2006 | 27,917 | 21,197 | 13,400 | 1,774 | 654 | 1,931 | 9,889 |
| 2007 | 14,549 | 13,072 | 5,034 | 474 | 306 | 2,870 | 5,899 |
| 2008 | 93,860 | 82,331 | 43,933 | 7,100 | 3,526 | 2,765 | 33,722 |
| 2009 | 48,970 | 40,268 | 21,622 | 5,262 | 1,523 | 4,103 | 13,680 |
| 2010 | 130,767 | 115,993 | 58,824 | 11,236 | 3,299 | 4,843 | 45,279 |
| 2011 ^{d/} | 81,000 | 65,905 | 32,204 | 11,018 | 1,183 | 3,813 | 29,888 |
| GOAL | | | | | | | 7,000 ^{e/} |

a/ Based on Columbia River fall Chinook database, WDFW, unpublished.

b/ Includes Select Area fisheries.

c/ Does not include strays to hatcheries below Bonneville Dam. Includes fall Chinook tules trapped at Bonneville Dam, 1986-1994 and 1998.

d/ Preliminary estimates based on inseason run updates.

e/ Escapement goal was changed from 8,200 fish to 7,000 fish, or 4,000 females, in 1994.

TABLE B-16. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult lower river hatchery (LRH) stock fall Chinook.^{a/}

| Year or Average | Inriver Run Size | Harvest | | | Escapement | |
|--------------------|------------------|--|--------------------------|---------------------|------------|------------------------|
| | | Treaty Indian Commercial and Subsistence | Non-Indian | | Natural | Hatchery ^{d/} |
| | | | Commercial ^{b/} | Sport ^{c/} | | |
| 1971-1975 | 175,900 | 0 | 78,100 | 5,400 | 49,200 | 43,200 |
| 1976-1980 | 145,377 | 20 | 59,400 | 4,380 | 36,940 | 44,620 |
| 1981-1985 | 107,163 | 851 | 25,604 | 4,486 | 37,755 | 36,846 |
| 1986-1990 | 199,938 | 655 | 93,794 | 17,420 | 38,774 | 48,821 |
| 1991-1995 | 55,519 | 238 | 2,871 | 4,998 | 19,915 | 27,419 |
| 1996 | 75,495 | 360 | 3,899 | 4,641 | 23,909 | 42,662 |
| 1997 | 57,393 | 0 | 2,369 | 7,704 | 22,663 | 24,657 |
| 1998 | 45,265 | 0 | 844 | 4,519 | 16,713 | 23,035 |
| 1999 | 39,933 | 0 | 2,234 | 6,118 | 12,551 | 19,030 |
| 2000 | 26,997 | 0 | 860 | 3,212 | 10,714 | 12,211 |
| 2001 | 94,331 | 0 | 4,428 | 7,443 | 39,434 | 42,996 |
| 2002 | 156,444 | 279 | 9,928 | 15,353 | 80,670 | 50,138 |
| 2003 | 154,983 | 0 | 9,216 | 14,213 | 97,089 | 34,465 |
| 2004 | 109,055 | 475 | 13,122 | 11,870 | 53,399 | 30,103 |
| 2005 | 78,293 | 186 | 9,219 | 10,140 | 33,598 | 25,042 |
| 2006 | 58,319 | 237 | 5,919 | 9,449 | 26,633 | 15,957 |
| 2007 | 32,689 | 0 | 1,308 | 6,123 | 10,208 | 15,050 |
| 2008 | 61,559 | 502 | 5,701 | 6,543 | 21,528 | 27,265 |
| 2009 | 76,738 | 0 | 10,259 | 11,295 | 23,746 | 31,436 |
| 2010 | 102,955 | 0 | 14,981 | 13,046 | 33,962 | 40,964 |
| 2011 ^{e/} | 128,611 | 0 | 15,930 | 12,411 | 47,127 | 53,143 |
| GOAL | | | | | | Hatchery Production |

a/ Based on Columbia River fall Chinook database, WDFW, unpublished.

b/ Includes Select Area fisheries.

c/ Includes tributary catches.

d/ Does not include strays to hatcheries above Bonneville Dam or fish trapped at Bonneville Dam.

e/ Preliminary estimates based on inseason run updates.

TABLE B-17. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult lower river wild (LRW) stock fall Chinook.^{a/}

| Year or Average | Inriver Run Size | Harvest | | | Escapement | |
|--------------------|------------------|--|------------|---------------------|---------------------|----------|
| | | Treaty Indian Commercial and Subsistence | Non-Indian | | Natural | Hatchery |
| | | | Commercial | Sport ^{b/} | | |
| 1971-1975 | 59,700 | 0 | 27,900 | 2,100 | 29,400 | 100 |
| 1976-1980 | 26,963 | 20 | 11,720 | 1,220 | 13,720 | 240 |
| 1981-1985 | 16,287 | 0 | 1,940 | 1,320 | 12,480 | 480 |
| 1986-1990 | 32,600 | 60 | 10,689 | 3,251 | 18,383 | 181 |
| 1991-1995 | 14,761 | 0 | 2,159 | 2,433 | 10,101 | 68 |
| 1996 | 14,566 | 0 | 325 | 234 | 13,914 | 93 |
| 1997 | 12,323 | 0 | 0 | 1,082 | 11,241 | 0 |
| 1998 | 7,253 | 0 | 0 | 667 | 6,493 | 93 |
| 1999 | 3,349 | 0 | 18 | 0 | 3,257 | 74 |
| 2000 | 10,234 | 0 | 604 | 0 | 9,422 | 208 |
| 2001 | 15,721 | 0 | 1,382 | 729 | 13,610 | 0 |
| 2002 | 25,171 | 161 | 1,801 | 3,245 | 19,654 | 50 |
| 2003 | 26,021 | 0 | 3,391 | 4,962 | 17,668 | 0 |
| 2004 | 22,327 | 0 | 2,343 | 3,638 | 16,346 | 0 |
| 2005 | 16,767 | 0 | 2,240 | 2,632 | 11,725 | 170 |
| 2006 | 18,105 | 0 | 2,546 | 2,801 | 12,758 | 0 |
| 2007 | 4,276 | 0 | 258 | 138 | 3,857 | 23 |
| 2008 | 7,120 | 0 | 0 | 937 | 6,183 | 0 |
| 2009 | 7,533 | 0 | 293 | 347 | 6,893 | 0 |
| 2010 | 10,898 | 0 | 0 | 237 | 10,661 | 0 |
| 2011 ^{c/} | 13,120 | 0 | 776 | 3,416 | 8,928 | 0 |
| GOAL | | | | | 5,700 ^{d/} | |

a/ Based on Columbia River fall Chinook database, WDFW, unpublished.

b/ Includes tributary catches.

c/ Preliminary estimates based on inseason run updates.

d/ Escapement objective is for North Lewis River, but escapement numbers include other fish. The escapement objective for the North Lewis River was met for all years except 1998, 1999, 2007, 2008, and 2009.

TABLE B-18. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult upriver bright (URB) stock fall Chinook destined for areas above McNary Dam and the Deschutes River.^{a/}

| Year or Average | Inriver Run Size | Bonneville Dam Count | Harvest | | | Escapement | | | | | | | |
|--------------------|---------------------|-------------------------|---|------------|---------------------|-------------------------------------|--------------------------------------|----------------------|--------------------------------|----------------------|----------------------------|------------------------------------|---|
| | | | Treaty Indian Commercial and Subsistence | Non-Indian | | Natural Escapement ^{c/} | Up. Col. Escapement ^{d/} | Hatchery | Deschutes above/below | | Ice Harbor Dam Count | Total Lower Granite Count | SRW L. Granite Dam Count ^{f/} |
| | | | | Commercial | Sport ^{b/} | | | | Sheares Falls ^{e/} | McNary Dam Count | | | |
| 1971-1975 | 110,500 | 80,400 | 35,100 | 29,300 | 3,100 | 36,800 | NA | 2,600 | NA | 39,500 | 5,600 | - | - |
| 1976-1980 | 92,301 | 72,360 | 32,160 | 19,180 | 980 | 29,480 | NA | 1,980 | NA | 31,080 | 1,160 | 532 | 532 |
| 1981-1985 | 111,873 | 94,120 | 26,700 | 13,880 | 3,020 | 46,060 | NA | 8,100 | NA | 51,042 | 1,583 | 586 | 450 |
| 1986-1990 | 291,407 | 222,337 | 100,379 | 61,499 | 13,613 | 90,709 | NA | 13,231 | 7,081 | 107,252 | 4,369 | 691 | 289 |
| 1991-1995 | 105,302 | 99,028 | 20,813 | 5,000 | 5,095 | 51,424 | NA | 9,419 | 7,342 | 61,362 | 3,352 | 903 | 473 |
| 1996 | 143,155 | 135,499 | 29,868 | 3,717 | 8,918 | 59,598 | NA | 15,905 | 10,233 | 73,929 | 3,810 | 1,308 | 639 |
| 1997 | 161,735 | 152,941 | 42,637 | 1,429 | 11,506 | 68,889 | NA | 13,114 | 20,208 | 67,192 | 2,752 | 1,451 | 797 |
| 1998 | 141,575 | 137,509 | 33,760 | 770 | 8,137 | 54,297 | NA | 18,798 | 15,908 | 63,791 | 4,220 | 1,909 | 306 |
| 1999 | 165,889 | 155,756 | 38,822 | 2,133 | 15,173 | 48,372 | NA | 30,272 | 7,389 | 78,356 | 6,586 | 3,381 | 905 |
| 2000 | 156,595 | 145,104 | 36,501 | 5,551 | 10,545 | 66,512 | 58,513 | 10,841 | 4,985 | 66,378 | 6,509 | 3,602 | 1,148 |
| 2001 | 232,366 | 219,801 | 35,422 | 8,151 | 12,648 | 92,194 | 72,738 | 21,143 | 12,817 | 110,517 | 13,635 | 8,915 | 5,163 |
| 2002 | 279,548 | 257,711 | 57,405 | 6,881 | 25,651 | 123,446 | 99,728 | 17,299 | 11,907 | 141,682 | 15,319 | 12,351 | 2,116 |
| 2003 | 374,154 | 341,208 | 49,060 | 15,930 | 25,918 | 176,865 | 146,437 | 12,356 | 13,413 | 179,970 | 20,903 | 11,732 | 3,856 |
| 2004 | 362,804 | 336,585 | 46,566 | 19,760 | 22,276 | 148,028 | 122,417 | 23,137 | 10,197 | 170,648 | 21,100 | 14,960 | 2,983 |
| 2005 | 278,539 | 256,119 | 45,776 | 8,464 | 23,980 | 115,612 | 98,777 | 23,299 | 14,937 | 131,550 | 14,677 | 11,170 | 2,602 |
| 2006 | 230,390 | 132,632 | 44,565 | 8,757 | 14,515 | 79,852 | 62,567 | 15,197 | 14,223 | 89,081 | 10,272 | 8,048 | 2,483 |
| 2007 | 114,065 | 105,626 | 18,878 | 2,833 | 10,860 | 51,004 | 34,201 | 7,267 | 12,721 | 57,268 | 13,408 | 10,195 | 2,016 |
| 2008 | 197,295 | 183,242 | 39,988 | 7,574 | 14,323 | 75,421 | 51,757 | 23,468 | 6,908 | 101,869 | 21,896 | 16,628 | 2,222 |
| 2009 | 212,047 | 190,695 | 58,616 | 11,601 | 17,310 | 87,585 | 62,428 | 15,762 | 6,429 | 104,544 | 24,824 | 15,167 | 1,262 |
| 2010 | 324,908 | 247,620 | 59,115 | 13,536 | 24,624 | 163,998 | 114,230 | 28,684 | 9,275 | 146,924 | 46,541 | 41,815 | 9,583 |
| 2011 ^{g/} | 335,700 | 289,650 | 100,710 | 27,041 | 31,537 | 75,341 | NA | 23,117 | NA | 161,191 | 31,405 | 25,249 | NA |
| GOAL | | | | | | | | 39,625 ^{h/} | | 60,000 ^{i/} | | | |

a/ Based on Columbia River fall Chinook database, WDFW, unpublished. Does not include hatchery URB Chinook reared and released below McNary Dam.

b/ Includes tributary and mainstem catches between Bonneville and Priest Rapids dams.

c/ Includes Deschutes, Yakima, Upper Columbia, and Snake River escapements.

d/ Upper Columbia escapement only: Yakima River, Hanford Reach, and Priest Rapids Dam count.

e/ Entire time series of Deschutes escapement revised in 2010 to match Deschutes River Chinook Spawner Escapement Goal using U.S. v. Oregon Technical Advisory Committee Data (Sharma et al. 2009).

f/ Snake River wild; adjusted for stray hatchery fish. Includes wild fish hauled to Lyons Ferry Hatchery.

g/ Preliminary based on inseason run update.

h/ MSY spawning escapement objective adopted in FMP Amendment 16 in 2011.

i/ The U.S. v. Oregon parties managed for a McNary Dam escapement of 60,000 beginning in 2008 for increased production in the Snake basin. However, starting in 1994 inriver fisheries were managed primarily for ESA consultation standards.

TABLE B-19. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult mid-Columbia bright (MCB) stock fall Chinook destined for areas below McNary Dam, not including the Deschutes River.^{a/}

| Year or Average | Inriver Run Size | Harvest | | | | Escapement | |
|--------------------|------------------|-------------------------|--|------------|---------------------|------------|------------------------|
| | | Bonneville Dam Count | Treaty Indian Commercial and Subsistence | Non-Indian | | Natural | Hatchery ^{c/} |
| | | | | Commercial | Sport ^{b/} | | |
| 1982-1985 | 10,275 | 4,925 | 1,875 | 1,675 | 100 | 0 | 3,450 |
| 1986-1990 | 60,894 | 24,780 | 16,288 | 26,547 | 2,277 | 4,253 | 9,194 |
| 1991-1995 | 32,352 | 19,360 | 6,014 | 4,151 | 1,622 | 7,327 | 10,631 |
| 1996 | 59,698 | 38,100 | 12,443 | 5,306 | 3,387 | 15,618 | 15,868 |
| 1997 | 58,932 | 36,600 | 11,596 | 3,320 | 6,517 | 15,916 | 15,808 |
| 1998 | 37,328 | 29,900 | 5,570 | 1,063 | 5,697 | 11,380 | 8,401 |
| 1999 | 50,788 | 40,400 | 10,581 | 1,543 | 5,927 | 17,213 | 7,334 |
| 2000 | 37,191 | 25,600 | 7,186 | 3,739 | 3,507 | 10,135 | 7,884 |
| 2001 | 76,504 | 48,100 | 16,821 | 7,023 | 9,580 | 14,600 | 13,701 |
| 2002 | 108,198 | 57,600 | 24,358 | 9,437 | 12,737 | 27,005 | 21,946 |
| 2003 | 150,042 | 97,179 | 27,830 | 20,432 | 12,804 | 38,204 | 24,175 |
| 2004 | 122,496 | 79,866 | 23,392 | 9,178 | 11,167 | 27,779 | 26,210 |
| 2005 | 100,333 | 60,464 | 23,158 | 6,590 | 10,727 | 14,271 | 30,991 |
| 2006 | 80,470 | 31,402 | 22,705 | 4,577 | 3,567 | 12,501 | 19,745 |
| 2007 | 47,556 | 29,029 | 13,369 | 6,665 | 2,528 | 5,559 | 13,053 |
| 2008 | 76,297 | 44,210 | 23,260 | 10,349 | 5,648 | 6,813 | 21,409 |
| 2009 | 73,069 | 41,298 | 21,213 | 8,508 | 7,433 | 9,320 | 22,003 |
| 2010 | 78,937 | 50,878 | 22,009 | 3,719 | 5,960 | 7,904 | 33,391 |
| 2011 ^{d/} | 77,000 | 44,528 | 15,517 | 8,541 | 10,433 | 17,078 | 20,657 |
| GOAL | | | | | | | Hatchery Production |

a/ Based on Columbia River fall Chinook database, WDFW, unpublished. Does not include URB Chinook destined for areas above McNary Dam or the Deschutes River.

b/ Includes tributary and mainstem catches.

c/ Little White Salmon and Bonneville Hatcheries.

d/ Preliminary based on inseason run updates.

TABLE B-20. Estimates of minimum inriver run size and catch in numbers of adult spring, summer, and fall Chinook from the Columbia River. (Page 1 of 3)

| Year | Minimum Inriver Run Size | Below Bonneville Dam | | | | | Above Bonneville Dam | | | | | | Total Treaty Indian & Non-Indian | | |
|--------------------------------------|--------------------------|-------------------------|--------------------------------|---------------------------|----------|-----------------------|----------------------|-------------------------|-----------------------------------|---------------------------|--|------------------|----------------------------------|------------|---------|
| | | Non-Indian Sport | | Non-Indian Commercial | | | Non-Indian Sport | | Treaty Indian | | | Non-Indian Total | | | |
| | | Tributary ^{a/} | Buoy 10 Mainstem ^{b/} | Select Area ^{c/} | Mainstem | Bonneville Dam Counts | Mainstem | Tributary ^{d/} | Ticketed Commercial ^{e/} | Non-Ticketed Public Sales | Ceremonial & Subsistence ^{f/} | Sport | | Commercial | |
| Spring Chinook^{g/} | | | | | | | | | | | | | | | |
| '79-'80 | 146,560 | 11,427 | h/ | 1,150 | - | 2,900 | 55,775 | - | - | 259 | -- | 1,714 | 12,653 | 2,900 | 17,525 |
| '81-'85 | 200,440 | 19,568 | h/ | 2,233 | - | 8,197 | 68,342 | - | 925 | 1,024 | -- | 2,545 | 22,726 | 8,197 | 34,492 |
| '86-'90 | 283,730 | 39,688 | h/ | 5,686 | - | 14,138 | 104,433 | - | 3,366 | 186 | -- | 6,771 | 48,741 | 14,138 | 69,836 |
| '91-'95 | 182,871 | 33,201 | h/ | 3,011 | 376 | 4,042 | 62,183 | - | 1,227 | 15 | -- | 3,730 | 37,438 | 4,343 | 45,526 |
| '96-'00 | 149,830 | 12,669 | h/ | 93 | 2,731 | 430 | 90,676 | - | 4,163 | 279 | -- | 5,080 | 16,925 | 3,161 | 25,445 |
| 2001 | 541,002 | 17,419 | h/ | 27,014 | 9,769 | 5,279 | 415,079 | 167 | 56,651 | 22,019 | 21,696 | 10,985 | 101,251 | 15,048 | 170,999 |
| 2002 | 485,201 | 28,588 | h/ | 22,045 | 12,251 | 17,407 | 308,795 | 1,716 | 25,837 | 17,930 | 6,324 | 9,208 | 78,187 | 29,658 | 141,306 |
| 2003 | 405,975 | 31,924 | h/ | 17,781 | 8,800 | 4,658 | 229,501 | 1,860 | 21,105 | 6,363 | 2,842 | 9,090 | 72,671 | 13,458 | 104,424 |
| 2004 | 417,526 | 35,584 | h/ | 24,638 | 11,643 | 14,489 | 198,296 | 1,616 | 22,471 | 5,256 | 3,114 | 9,114 | 84,310 | 26,132 | 127,926 |
| 2005 | 192,895 | 16,136 | h/ | 11,635 | 2,563 | 5,647 | 97,397 | 388 | 6,545 | 1 | -- | 6,163 | 34,703 | 8,210 | 49,077 |
| 2006 | 223,617 | 18,826 | h/ | 7,087 | 7,581 | 5,106 | 126,158 | 1,245 | 3,686 | 0 | -- | 8,401 | 30,844 | 12,687 | 51,931 |
| 2007 | 155,577 | 14,549 | h/ | 6,527 | 6,968 | 3,336 | 80,829 | 1,368 | 5,082 | 3 | -- | 5,624 | 27,526 | 10,304 | 43,457 |
| 2008 | 223,080 | 8,094 | h/ | 20,312 | 4,586 | 6,007 | 151,895 | 2,196 | 19,341 | 12,314 | -- | 8,247 | 49,943 | 10,593 | 81,096 |
| 2009 | 223,146 | 10,946 | h/ | 17,246 | 4,275 | 4,521 | 147,489 | 290 | 17,451 | 0 | -- | 11,083 | 45,932 | 8,796 | 65,811 |
| 2010 | 470,140 | 38,771 | h/ | 29,735 | 26,142 | 10,807 | 277,389 | 3,512 | 38,083 | 25,008 | -- | 12,807 | 110,101 | 36,949 | 184,865 |
| 2011 ^{h/} | 320,892 | 24,666 | h/ | 12,006 | 11,855 | 5,759 | 205,431 | 2,379 | 23,906 | 7 | -- | 13,235 | 62,957 | 17,614 | 93,813 |
| Summer Chinook^{g/h/} | | | | | | | | | | | | | | | |
| '79-'80 | 22,320 | - | - | - | - | 81 | 22,485 | - | - | 38 | -- | 1,047 | 0 | 81 | 1,165 |
| '81-'85 | 16,709 | - | - | - | - | 55 | 16,767 | - | - | 304 | -- | 669 | 0 | 55 | 1,028 |
| '86-'90 | 21,036 | - | - | 8 | - | 71 | 21,166 | - | - | 1,180 | -- | 194 | 8 | 71 | 980 |
| '91-'95 | 12,984 | - | - | 15 | - | 30 | 12,988 | - | - | - | -- | 227 | 15 | 30 | 271 |
| '96-'00 | 17,957 | - | - | 29 | - | 5 | 18,196 | - | - | - | -- | 317 | 37 | 5 | 358 |
| 2001 | 52,960 | - | - | 64 | - | 1 | 52,895 | - | 82 | 150 | -- | 542 | 146 | 1 | 839 |
| 2002 | 89,524 | - | - | 1,447 | - | 8 | 88,069 | 113 | 197 | 74 | -- | 2,019 | 1,757 | 8 | 3,858 |
| 2003 | 83,058 | - | - | 1,945 | 36 | 0 | 81,077 | 417 | 223 | 3,587 | -- | 710 | 2,584 | 36 | 6,917 |
| 2004 | 65,623 | - | - | 1,246 | 3 | 219 | 63,970 | 261 | 157 | 8,004 | -- | 390 | 1,663 | 222 | 10,279 |
| 2005 | 60,272 | - | - | 1,621 | 0 | 2,787 | 55,864 | 487 | 338 | 6,415 | -- | 1,227 | 2,446 | 2,787 | 12,875 |
| 2006 | 77,573 | - | - | 4,926 | 9 | 4,819 | 67,819 | 346 | 216 | 15,771 | -- | 548 | 5,488 | 4,828 | 26,635 |
| 2007 | 37,035 | - | - | 2,214 | 0 | 1,122 | 33,699 | 194 | 294 | 4,564 | -- | 811 | 2,702 | 1,122 | 9,199 |
| 2008 | 55,532 | - | - | 2,140 | 59 | 1,370 | 51,963 | 1,072 | 188 | 8,317 | -- | 712 | 3,400 | 1,429 | 13,858 |
| 2009 | 53,881 | - | 0 | 2,341 | 22 | 2,524 | 48,994 | 193 | 185 | 10,441 | -- | 1,209 | 2,719 | 2,546 | 16,915 |
| 2010 | 72,346 | - | 0 | 2,738 | 20 | 4,720 | 64,638 | 156 | 48 | 15,569 | -- | k/ | 2,942 | 4,740 | 23,251 |
| 2011 ^{h/} | 80,574 | - | 0 | 5,576 | 0 | 5,004 | 69,994 | 208 | 55 | 20,645 | -- | k/ | 5,839 | 5,004 | 31,488 |

TABLE B-20. Estimates of minimum inriver run size and catch in numbers of adult spring, summer, and fall Chinook from the Columbia River. (Page 2 of 3)

| Year | Minimum Inriver Run Size | Below Bonneville Dam | | | | | | Above Bonneville Dam | | | | | | Total Treaty Indian & Non-Indian | |
|----------------------------------|--------------------------|-------------------------|---------|------------------------|---------------------------|----------|-----------------------|----------------------|-------------------------|-----------------------------------|---------------------------|--|------------------|----------------------------------|------------|
| | | Non-Indian Sport | | | Non-Indian Commercial | | | Non-Indian Sport | | Treaty Indian | | | Non-Indian Total | | |
| | | Tributary ^{a/} | Buoy 10 | Mainstem ^{b/} | Select Area ^{c/} | Mainstem | Bonneville Dam Counts | Mainstem | Tributary ^{d/} | Ticketed Commercial ^{e/} | Non-Ticketed Public Sales | Ceremonial & Subsistence ^{f/} | Sport | | Commercial |
| Fall Chinook^{h/} | | | | | | | | | | | | | | | |
| '79-'80 | 327,458 | 3,651 | - | 1,155 | 20,800 | 73,253 | 135,878 | 500 | -- | 32,568 | -- | -- | 5,306 | 113,253 | 151,127 |
| '81-'85 | 307,206 | 4,158 | 7,176 | 1,528 | 8,560 | 45,490 | 150,768 | 2,795 | -- | 48,888 | -- | 5,025 | 10,234 | 54,050 | 118,196 |
| '86-'90 | 603,713 | 6,383 | 20,641 | 4,119 | 16,059 | 181,817 | 258,807 | 5,825 | 442 | 118,864 | 4,765 | 5,692 | 37,056 | 197,876 | 360,441 |
| '91-'95 | 240,267 | 3,541 | 6,224 | 2,633 | 1,230 | 14,693 | 145,489 | 4,150 | 584 | 33,408 | 4,732 | 658 | 15,887 | 15,923 | 70,476 |
| '96-'00 | 295,597 | 1,398 | 6,906 | 8,766 | 2,919 | 7,346 | 208,836 | 5,084 | 1,922 | 38,397 | 21,746 | 606 | 24,077 | 10,265 | 94,970 |
| 2001 | 548,736 | 2,971 | 12,287 | 8,683 | 4,200 | 22,938 | 400,410 | 7,922 | 2,800 | 79,959 | 31,397 | 365 | 34,663 | 27,138 | 173,522 |
| 2002 | 733,340 | 7,789 | 18,273 | 21,235 | 7,899 | 34,428 | 474,648 | 11,171 | 5,940 | 96,277 | 33,918 | 457 | 64,408 | 42,327 | 237,387 |
| 2003 | 893,926 | 11,999 | 14,873 | 25,931 | 9,360 | 54,620 | 610,336 | 9,267 | 4,490 | 94,822 | 31,107 | 683 | 66,560 | 63,980 | 257,152 |
| 2004 | 799,024 | 8,379 | 15,201 | 16,968 | 12,400 | 40,373 | 583,269 | 10,297 | 4,215 | 111,833 | 15,379 | 416 | 55,060 | 52,773 | 235,461 |
| 2005 | 584,009 | 7,810 | 9,983 | 20,111 | 8,677 | 26,231 | 417,057 | 9,110 | 4,307 | 92,463 | 22,058 | 570 | 51,321 | 34,908 | 201,320 |
| 2006 | 422,433 | 7,052 | 1,620 | 13,447 | 4,822 | 23,144 | 299,161 | 5,136 | 3,969 | 58,842 | 18,849 | 391 | 31,224 | 27,966 | 137,272 |
| 2007 | 219,628 | 2,700 | 3,389 | 7,888 | 3,650 | 11,685 | 159,815 | 4,914 | 2,019 | 34,001 | 11,085 | 270 | 20,910 | 15,335 | 81,601 |
| 2008 | 448,985 | 3,499 | 7,764 | 10,881 | 12,495 | 27,678 | 314,995 | 7,022 | 2,647 | 90,968 | 18,055 | 40 | 31,813 | 40,173 | 181,049 |
| 2009 | 428,981 | 7,616 | 4,218 | 14,954 | 10,973 | 32,668 | 283,691 | 8,124 | 3,330 | 63,498 | 12,008 | 15 | 38,242 | 43,641 | 157,404 |
| 2010 | 657,083 | 8,074 | 6,473 | 16,948 | 18,137 | 30,712 | 467,524 | 13,527 | 3,307 | 118,447 | 13,029 | 27 | 48,329 | 48,849 | 228,681 |
| 2011 ^{i/} | 648,941 | 7,647 | 9,603 | 31,624 | 25,037 | 50,606 | 401,576 | 11,279 | 0 | 109,655 | 19,834 | 550 | 60,153 | 75,643 | 265,835 |
| Total Chinook | | | | | | | | | | | | | | | |
| '79-'80 | 496,338 | 13,253 | - | 1,728 | 20,800 | 39,608 | 214,138 | 500 | -- | 16,581 | -- | 2,760 | 15,306 | 59,608 | 94,254 |
| '81-'85 | 524,355 | 23,726 | 7,176 | 3,761 | 8,560 | 53,742 | 235,877 | 1,677 | 925 | 50,216 | -- | 8,239 | 32,959 | 62,302 | 153,716 |
| '86-'90 | 908,480 | 46,071 | 20,641 | 9,813 | 16,059 | 196,025 | 384,406 | 5,825 | 3,454 | 119,758 | 4,765 | 12,656 | 85,804 | 212,085 | 431,257 |
| '91-'95 | 436,121 | 36,741 | 6,224 | 5,658 | 1,531 | 18,765 | 220,660 | 4,150 | 1,811 | 33,424 | 4,732 | 4,482 | 53,340 | 20,295 | 116,273 |
| '96-'00 | 463,384 | 14,067 | 6,906 | 8,888 | 5,650 | 7,781 | 317,708 | 5,084 | 6,093 | 38,676 | 21,746 | 5,881 | 41,038 | 13,431 | 120,773 |
| 2001 | 1,142,698 | 20,390 | 12,287 | 35,761 | 13,969 | 28,218 | 868,384 | 8,089 | 59,533 | 102,128 | 53,093 | 11,892 | 136,060 | 42,187 | 345,361 |
| 2002 | 1,308,065 | 36,377 | 18,273 | 44,727 | 20,150 | 51,843 | 871,512 | 13,000 | 31,974 | 114,281 | 40,242 | 11,684 | 144,351 | 71,993 | 382,551 |
| 2003 | 1,382,959 | 43,923 | 14,873 | 45,657 | 18,196 | 59,278 | 920,914 | 11,544 | 25,818 | 104,772 | 33,949 | 10,483 | 141,815 | 77,474 | 368,493 |
| 2004 | 1,282,174 | 43,963 | 15,201 | 42,852 | 24,046 | 55,081 | 845,535 | 12,174 | 26,843 | 125,093 | 18,493 | 9,920 | 141,033 | 79,127 | 373,666 |
| 2005 | 837,176 | 23,946 | 9,983 | 33,367 | 11,240 | 34,665 | 570,318 | 9,984 | 11,190 | 98,879 | 22,058 | 7,960 | 88,470 | 45,905 | 263,272 |
| 2006 | 723,623 | 25,878 | 1,620 | 25,460 | 12,412 | 33,069 | 493,138 | 6,727 | 7,871 | 74,613 | 18,849 | 9,340 | 67,556 | 45,481 | 215,838 |
| 2007 | 412,239 | 17,249 | 3,389 | 16,629 | 10,618 | 16,143 | 274,343 | 6,476 | 7,395 | 38,568 | 11,085 | 6,705 | 51,138 | 26,761 | 134,257 |
| 2008 | 727,597 | 11,593 | 7,764 | 33,333 | 17,140 | 35,055 | 518,853 | 10,290 | 22,176 | 111,599 | 18,055 | 8,999 | 85,156 | 52,195 | 276,003 |
| 2009 | 706,008 | 18,562 | 4,218 | 34,541 | 15,270 | 39,713 | 480,174 | 8,607 | 20,966 | 73,939 | 12,008 | 12,307 | 86,893 | 54,983 | 240,130 |
| 2010 | 1,199,569 | 46,845 | 6,473 | 49,422 | 44,299 | 46,239 | 809,551 | 17,195 | 41,438 | 159,024 | 13,029 | 12,834 | 161,372 | 90,538 | 436,797 |
| 2011 ^{i/} | 1,050,407 | 32,313 | 9,603 | 49,206 | 36,892 | 61,369 | 677,001 | 13,866 | 23,961 | 130,307 | 19,834 | 13,785 | 128,949 | 98,261 | 391,136 |

TABLE B-20. Estimates of minimum inriver run size and catch in numbers of adult spring, summer, and fall Chinook from the Columbia River. (Page 3 of 3)

- a/ For spring Chinook: includes lower and upper Willamette, Clackamas, Cowlitz, Kalama, Lewis, and Sandy Rivers. Sandy River harvest not available before 1990. Catch estimates may include small numbers of Jacks. Does not include SAFE sport. For summer Chinook: all tributaries are closed. For fall Chinook: all tributaries downstream from Bonneville Dam.
- b/ Includes Select Area catch.
- c/ Youngs Bay Select Area began in 1992. Tongue Point and Blind Slough began in 1998. Select Area test fisheries began in 1991. Other Select Areas include Knappa in Oregon and Deep River in Washington.
- d/ Includes tributaries between Bonneville and McNary Dams, the Snake and Yakima rivers, Icicle and Ringold creeks. For Spring Chinook, this is Ringold creeks and tributaries above Lower Granite Dam. For summer Chinook, this is Wanapum and Hanford Reach.
- e/ Primarily mainstem fisheries between Bonneville and McNary dams, but also includes fish caught in miscellaneous commercial Indian fisheries such as Klickitat dip net and mainstem fisheries upstream from McNary Dam. Spring season fishery closed in 1975, 1976, and from 1978 to 2000. Spring Chinook landed during those years were from the winter season fishery. Summer season fishery closed from 1974 to 1982, 1989 to 2000. Summer Chinook landed during those years are bycatch from shad and sockeye fishery.
- f/ Primarily mainstem fisheries between Bonneville and McNary dams. Significant subsistence fisheries also occur in tributaries throughout the Columbia and Snake River basin, especially for spring Chinook, which are not included in these estimates.
- g/ Upriver spring Chinook accounting ends on June 15 and summer Chinook accounting begins on June 16.
- h/ Spring Chinook Buoy 10 area catch is included in mainstem sport.
- i/ Preliminary. Fall Chinook estimates are from inseason run updates.
- j/ Summer Chinook retention was prohibited for all mainstem non-Indian and treaty Indian fisheries until 2003. Small non-Indian incidental mortalities prior to 2003 are associated with recreational Steelhead fisheries and commercial shad and Sockeye fisheries. A few stray summer Chinook are caught in Select Area (terminal) fisheries that are open for late returning spring Chinook and early returning fall Chinook. Prior to 2003, Treaty Indians could retain summer Chinook for subsistence purposes.
- k/ No ceremonial and subsistence permits issued, sales of platform and hook & line subsistence catch allowed and included in commercial catch or non-ticked public sales.
- l/ Fall Chinook minimum run size includes LRH, LRW, SCH, URB, MCB, and SAB.

TABLE B-21. Estimates of minimum inriver run size, catch, and escapement in thousands of adult coho entering the Columbia River.^a

| Year or Average | Minimum Inriver Run Size | Below Bonneville Dam | | | | | Above Bonneville Dam | | | |
|--------------------|--------------------------------|----------------------|--------------|------------------------|------------------------|---------------------------------------|--|--|------------------------------------|------------------------|
| | | Lower River Catch | | | Lower River Escapement | | Bonneville Dam Counts ^{e/} | Mainstem Commercial Treaty Catch | Zone 6 Escapement ^{f/} | Hatchery Escapement |
| | | Commercial | Recreational | | Hatchery ^{c/} | Tributary Dam Counts ^{d/} | | | | |
| | | | Buoy 10 | Mainstem ^{b/} | | | | | | |
| 1971-1975 | 373.4 | 199.4 | - | 11.8 | 117.1 | 9.5 | 35.7 | 9.1 | 26.6 | 11.6 |
| 1976-1980 | 263.3 | 123.6 | - | 10.1 | 102.2 | 3.6 | 23.8 | 2.6 | 21.2 | 7.0 |
| 1981-1985 | 305.3 | 132.1 | 30.6 | 11.4 | 101.0 | 4.6 | 31.9 | 2.6 | 29.2 | 12.5 |
| 1986-1990 | 688.4 | 392.2 | 82.3 | 13.9 | 147.6 | 5.8 | 46.3 | 5.5 | 40.7 | 11.5 |
| 1991-1995 | 305.9 | 115.8 | 55.9 | 10.7 | 96.0 | 3.7 | 23.6 | 2.0 | 21.6 | 6.1 |
| 1996 | 113.0 | 26.2 | 4.5 | 3.8 | 62.2 | 0.6 | 15.7 | 0.7 | 15.0 | 1.4 |
| 1997 | 149.1 | 20.4 | 20.4 | 11.6 | 69.7 | 2.8 | 24.2 | 0.6 | 23.6 | 4.4 |
| 1998 | 168.4 | 23.0 | 3.2 | 6.7 | 87.9 | 1.3 | 46.3 | 1.5 | 44.8 | 11.3 |
| 1999 | 274.2 | 79.1 | 9.0 | 19.9 | 124.5 | 1.0 | 40.7 | 2.3 | 38.4 | 10.0 |
| 2000 | 548.2 | 168.4 | 21.5 | 37.7 | 288.6 | 6.2 | 85.8 | 6.3 | 79.5 | 26.6 |
| 2001 | 1,108.3 | 253.1 | 132.0 | 78.0 | 377.3 | 8.2 | 259.8 | 5.4 | 254.4 | 80.6 |
| 2002 | 499.9 | 163.0 | 6.2 | 27.4 | 211.1 | 3.7 | 88.6 | 1.6 | 86.9 | 2.9 |
| 2003 | 677.7 | 257.3 | 54.4 | 23.6 | 205.4 | 11.2 | 125.7 | 5.8 | 120.0 | 3.9 |
| 2004 | 442.6 | 119.6 | 15.2 | 13.6 | 173.5 | 5.6 | 115.0 | 10.3 | 104.8 | 6.2 |
| 2005 | 341.0 | 94.8 | 6.9 | 10.5 | 142.3 | 3.3 | 83.3 | 4.9 | 78.5 | 2.3 |
| 2006 | 386.2 | 63.4 | 3.7 | 16.5 | 191.1 | 9.5 | 102.1 | 8.1 | 94.1 | 0.7 |
| 2007 | 336.9 | 40.3 | 8.4 | 24.2 | 161.0 | 10.5 | 92.5 | 8.0 | 84.5 | 2.0 |
| 2008 | 494.3 | 60.4 | 8.6 | 42.8 | 240.9 | 6.2 | 135.5 | 21.6 | 113.9 | 1.1 |
| 2009 | 729.8 | 124.2 | 48.1 | 39.8 | 260.4 | 32.3 | 244.9 | 8.9 | 236.0 | 2.4 |
| 2010 ^{g/} | 440.4 | 76.3 | 8.0 | 24.2 | 188.9 | 22.3 | 102.7 | 7.1 | 95.6 | 0.6 |
| 2011 ^{g/} | 352.0 | 59.0 | 7.6 | 23.5 | 108.3 | 8.3 | 145.3 | 33.3 | 112.0 | 0.6 |
| GOAL | | Hatchery Production | | | | | Hatchery Production | | | |

a/ These numbers match OPI databases. Adjustments were made to the escapement figures and catches.

b/ Mainstem recreational catches listed in this table include tributary catches and catches in the Chinook/Hammond area of 3,195 in 1989, 28 in 1990, and 1,151 in 1991.

c/ Includes hatcheries operated by all agencies.

d/ Willamette Falls, Clackamas River (North Fork Dam) and Sandy River (Marmot Dam).

e/ Includes additional small adults counted as jacks for 1983-1984 and 1986-1989.

f/ Bonneville Dam count minus Zone 6 mainstem commercial treaty Indian harvest.

g/ Preliminary.

TABLE B-22. Estimated catch and effort in the Buoy 10 fishery.^{a/}

| Year | Angler Trips | Catch ^{b/} | | Catch Per Trip |
|---------------------------|--------------|---------------------|---------|----------------|
| | | Chinook | Coho | |
| 1982-1985 | 30,996 | 4,040 | 30,547 | 0.97 |
| 1986-1990 ^{c/d/} | 130,633 | 22,107 | 82,910 | 0.78 |
| 1991-1995 ^{e/} | 79,475 | 5,689 | 55,895 | 0.50 |
| 1996 | 18,034 | 1,409 | 4,537 | 0.33 |
| 1997 | 55,725 | 13,153 | 20,357 | 0.60 |
| 1998 | 29,998 | 5,784 | 3,175 | 0.30 |
| 1999 | 49,581 | 9,850 | 8,861 | 0.38 |
| 2000 | 72,518 | 6,085 | 21,478 | 0.38 |
| 2001 | 125,884 | 12,709 | 132,038 | 1.15 |
| 2002 | 84,457 | 19,441 | 6,233 | 0.30 |
| 2003 | 88,827 | 16,316 | 54,440 | 0.80 |
| 2004 | 68,818 | 16,016 | 15,169 | 0.45 |
| 2005 | 55,182 | 9,286 | 6,878 | 0.29 |
| 2006 | 40,688 | 1,706 | 3,687 | 0.13 |
| 2007 | 36,064 | 3,776 | 8,356 | 0.34 |
| 2008 | 32,467 | 8,349 | 8,573 | 0.52 |
| 2009 | 72,803 | 5,940 | 48,127 | 0.74 |
| 2010 | 52,300 | 6,807 | 7,980 | 0.28 |
| 2011 ^{f/} | 49,409 | 10,919 | 7,614 | 0.38 |

a/ Prior to 1982, Buoy 10 area catches were not estimated separately and are included in the Columbia River marine area (Cape Falcon to Leadbetter Pt.) recreational catches. Estimates include bank anglers fishing from Clatsop Spit in Oregon and from the North Jetty in Washington. Effort and catch for the North Jetty fishery applied to the ocean quota for the Columbia River area until the ocean fishery closed. Beginning in 2000, includes catch and effort from the Astoria-Megler Bridge upstream to the new boundary from Tongue Point, Oregon to Rocky Point, Washington.

b/ Includes adults and jacks as determined by CWT analysis.

c/ 1989 includes catch and effort data for the Chinook/Hammond fishery occurring during weeks 32 and 33. A total of 7,922 angler trips produced catches of 492 Chinook, 3,195 coho, and a catch rate of 0.47 fish per trip. Catches in this fishery were counted against the Buoy 10 quota.

d/ 1990 includes catch and effort data for the Chinook/Hammond fishery occurring during weeks 31 and 32. A total of 3,225 angler trips produced catches of 54 Chinook, 28 coho, and a catch rate of 0.03 fish per trip.

e/ 1991 includes catch and effort data for the Chinook/Hammond fishery occurring during weeks 31 and 32. A total of 2,759 angler trips produced catches of 39 Chinook, 1,151 coho, and a catch rate of 0.43 fish per trip.

f/ Preliminary.

TABLE B-23. Willapa Bay fall Chinook terminal run size, catch, and spawning escapement in numbers of fish.

| Year or Average | Non-local Stocks | Terminal Catch | | Spawning Escapement | | Terminal Run Size ^{d/} |
|--------------------|-----------------------------|----------------|---------------------|-----------------------|---------------------|---------------------------------|
| | Gillnet Catch ^{a/} | Gillnet | Sport ^{b/} | Natural ^{c/} | Hatchery | |
| 1976-1980 | 8,660 | 14,496 | 419 | 1,995 | 4,529 | 21,439 |
| 1981-1985 | 1,011 | 7,331 | 589 | 1,588 | 5,398 | 14,906 |
| 1986-1990 | 2,521 | 18,173 | 1,578 | 5,596 | 22,458 | 47,805 |
| 1991-1995 | 1,162 | 28,082 | 2,823 | 2,818 | 17,086 | 50,809 |
| 1996 | - | 37,065 | 3,024 | 2,153 | 12,079 | 54,321 |
| 1997 | - | 12,311 | 2,404 | 3,852 | 13,729 | 32,296 |
| 1998 | - | 6,765 | 2,178 | 3,114 | 8,658 | 20,715 |
| 1999 | - | 265 | 1,906 | 1,360 | 6,966 | 10,497 |
| 2000 | - | 5,902 | 1,399 | 2,303 | 10,455 | 20,059 |
| 2001 | - | 5,444 | 2,121 | 2,161 | 10,099 | 19,825 |
| 2002 | 36 | 9,452 | 2,537 | 1,729 | 13,680 | 27,398 |
| 2003 | 220 | 7,488 | 3,242 | 2,732 | 14,628 | 28,090 |
| 2004 | - | 4,349 | 3,851 | 2,838 | 21,444 | 32,482 |
| 2005 | - | 6,523 | 6,630 | 2,510 | 18,177 | 33,840 |
| 2006 | - | 12,334 | 6,442 | 4,258 | 24,209 | 47,243 |
| 2007 | - | 4,112 | 2,579 | 2,346 | 13,400 | 22,437 |
| 2008 | - | 3,595 | 2,904 | 1,900 | 14,891 | 23,290 |
| 2009 | - | 6,868 | 4,552 | 2,847 | 19,831 | 34,098 |
| 2010 ^{e/} | - | 6,903 | 3,217 | 3,395 | 23,468 | 36,983 |
| 2011 ^{e/} | 1,857 | 17,059 | NA | NA | NA | NA |
| GOAL | | | | 3,393 ^{f/} | 9,800 ^{g/} | |

a/ Non-local gillnet is catch in Area 2G prior to Aug. 16.

b/ Adults. Sport catch since 1991 includes marine areas within Willapa Bay (e.g., Washaway Beach).

c/ Escapement estimates after 1984 are based on revised spawning habitat estimates. Natural = adult returns assumed to be from natural origin parents.

d/ Does not include catch of non-local stocks.

e/ Preliminary.

f/ MSY spawning escapement objective established in FMP Amendment 16; previously a WDFW goal of 4,350.

g/ WDFW goal; not an FMP goal.

TABLE B-24. Willapa Bay coho terminal run size, catch, and spawning escapement in numbers of fish.

| Year or Average | Terminal Catch | | Spawning Escapement | | Terminal Run Size ^{d/} |
|--------------------|----------------|---------------------|-----------------------|------------------------|---------------------------------|
| | Gillnet | Sport ^{a/} | Natural ^{b/} | Hatchery ^{c/} | |
| 1976-1980 | 15,011 | 2,842 | 5,800 | 14,328 | 37,981 |
| 1981-1985 | 39,007 | 2,181 | 3,567 | 26,640 | 69,968 |
| 1986-1990 | 69,199 | 2,591 | NA | 35,811 | 107,601 |
| 1991-1995 | 34,287 | 2,802 | 4,582 | 27,205 | 65,211 |
| 1996 | 38,316 | 4,052 | 15,711 | 69,940 | 128,019 |
| 1997 | 1,550 | 806 | 4,934 | 9,992 | 17,282 |
| 1998 | 13,140 | 852 | 13,807 | 9,701 | 37,500 |
| 1999 | 5,467 | 2,836 | 9,628 | 27,481 | 45,412 |
| 2000 | 10,193 | 1,780 | 23,031 | 34,651 | 69,655 |
| 2001 | 31,837 | 5,689 | 48,414 | 54,777 | 140,717 |
| 2002 | 59,435 | 5,683 | 58,703 | 48,984 | 172,805 |
| 2003 | 66,460 | 5,881 | 49,398 | 66,783 | 188,522 |
| 2004 | 16,533 | 2,325 | 38,672 | 19,624 | 77,154 |
| 2005 | 49,001 | 3,867 | 26,493 | 40,926 | 120,287 |
| 2006 | 19,948 | 811 | 12,563 | 7,866 | 41,188 |
| 2007 | 8,218 | 955 | 18,009 | 9,434 | 36,616 |
| 2008 | 16,699 | 1,221 | 16,419 | 11,009 | 45,348 |
| 2009 | 75,417 | 6,257 | 47,333 | 21,384 | 150,391 |
| 2010 ^{e/} | 28,568 | 4,891 | 77,784 | 27,514 | 138,757 |
| 2011 ^{e/} | 48,173 | NA | NA | NA | NA |
| GOAL | | | 13,090 ^{f/} | 6,100 ^{f/} | |

a/ Adults. Sport catch since 1991 includes marine areas within Willapa Bay (e.g., Washaway Beach).

b/ Natural spawning escapement estimates were not made in 1984-1994; estimates in 1996, 1997, and 1998 do not include adult fish released upstream of hatchery racks.

c/ Hatchery rack number includes fish released upstream.

d/ Does not include natural spawning escapement between 1984 and 1994.

e/ Preliminary.

f/ WDFW goal; not an FMP goal.

TABLE B-25. Grays Harbor Chinook terminal catch, spawning escapement, and run size in numbers of fish. (Page 1 of 2)

| Year or Average | Terminal Catch | | | | | Spawning Escapement | | Terminal Run Size ^{d/} |
|-----------------------|--------------------------|-----------------------|--------------------------|----------------------------|---------------------|-----------------------|------------------------|------------------------------------|
| | Early Non-local Catch | Non-Indian Gillnet | Treaty Indian Gillnet | Chehalis Tribal Gillnet | Sport ^{a/} | Natural ^{b/} | Hatchery ^{c/} | |
| SPRING Chinook | | | | | | | | |
| 1976-1980 | - | - | - | 587 | e/ | 600 | - | 1,187 |
| 1981-1985 | - | - | - | 57 | 5 | 924 | - | 963 |
| 1986-1990 | - | - | e/ | 143 | 6 | 1,875 | - | 2,024 |
| 1991-1995 | - | - | 0 | 94 | 15 | 1,566 | - | 1,675 |
| 1996 | - | - | 104 | 127 | 52 | 4,462 ^{f/} | - | 4,745 |
| 1997 | - | - | 52 | 172 | 160 | 4,460 ^{f/} | - | 4,844 |
| 1998 | - | - | 6 | 164 | 121 | 2,388 | - | 2,679 |
| 1999 | - | - | 3 | 187 | 76 | 1,285 | - | 1,551 |
| 2000 | - | - | 17 | 174 | 91 | 3,135 | - | 3,417 |
| 2001 | - | - | 4 | 210 | 252 | 2,860 | - | 3,326 |
| 2002 | - | - | 76 | 419 | 124 | 2,598 | - | 3,217 |
| 2003 | - | - | 68 | 0 | 131 | 1,904 | - | 2,103 |
| 2004 | - | - | 54 | 177 | 65 | 5,034 | - | 5,330 |
| 2005 | - | - | 26 | 439 | 88 | 2,129 | - | 2,682 |
| 2006 | - | - | 5 | 249 | 128 | 2,481 | - | 2,863 |
| 2007 ^{g/} | - | - | 5 | 205 | 54 | 651 | - | 915 |
| 2008 ^{g/} | - | - | 2 | 0 | 0 | 995 | - | 997 |
| 2009 ^{g/} | - | - | 18 | 0 | 0 | 1,132 | - | 1,150 |
| 2010 ^{g/} | - | - | 0 | 0 | 0 | 3,495 | - | 3,495 |
| 2011 ^{g/} | - | - | 10 | 0 | NA | NA | - | NA |
| GOAL | | | | | | 1,092 ^{h/} | | |

TABLE B-25. Grays Harbor Chinook terminal catch, spawning escapement, and run size in numbers of fish. (Page 2 of 2)

| Year or Average | Terminal Catch | | | | | Spawning Escapement | | Terminal Run Size ^{d/} |
|---------------------|-----------------------|--------------------|-----------------------|-------------------------|---------------------|----------------------------|------------------------|---------------------------------|
| | Early Non-local Catch | Non-Indian Gillnet | Treaty Indian Gillnet | Chehalis Tribal Gillnet | Sport ^{a/} | Natural ^{b/} | Hatchery ^{c/} | |
| FALL Chinook | | | | | | | | |
| 1976-1980 | 4,433 | 3,642 | 3,108 | 1,006 | 1,128 | 7 | 413 | 9,303 |
| 1981-1985 | 602 | 964 | 3,524 | 465 | 268 | 10 | 742 | 5,973 |
| 1986-1990 | 694 | 4,122 | 10,414 | 597 | 1,340 | 20,474 | 1,319 | 38,266 ^{i/} |
| 1991-1995 | 206 | 5,000 | 7,750 | 901 | 3,794 | 12,044 | 3,006 | 32,496 ^{i/} |
| 1996 | 148 | 1,441 | 4,068 | 49 | 7,456 | 16,988 | 4,307 | 34,309 ^{i/} |
| 1997 | 24 | 2,796 | 6,630 | 311 | 2,687 | 16,342 | 2,416 | 31,183 ^{i/} |
| 1998 | 5 | 267 | 4,135 | 0 | 2,912 | 11,476 | 1,921 | 20,711 ^{i/} |
| 1999 | 0 | 87 | 1,926 | 1 | 114 | 9,196 | 1,990 | 13,315 ^{i/} |
| 2000 | 671 | 647 | 3,289 | 0 | 1,714 | 8,081 | 1,450 | 15,182 |
| 2001 | 0 | 2,523 | 3,885 | 0 | 3,210 | 8,340 | 1,121 | 19,079 |
| 2002 | 40 | 26 | 963 | 0 | 2,955 | 10,621 | 2,006 | 16,570 |
| 2003 | 0 | 295 | 851 | 0 | 1,031 | 17,808 | 2,858 | 22,842 |
| 2004 | 0 | 183 | 3,498 | 476 | 6,158 | 29,461 | 3,584 | 43,360 |
| 2005 | 0 | 379 | 2,260 | 3 | 465 | 17,040 | 3,536 | 23,683 |
| 2006 | 0 | 195 | 3,738 | 0 | 1,635 | 15,955 | 2,845 | 24,368 |
| 2007 ^{g/} | 0 | 514 | 2,472 | 19 | 1,719 | 11,264 | 1,072 | 17,060 |
| 2008 ^{g/} | 0 | 717 | 1,878 | 72 | 0 | 13,570 | 1,631 | 17,868 |
| 2009 ^{g/} | 0 | 1,193 | 2,485 | 0 | 860 | 7,215 | 1,125 | 12,878 |
| 2010 ^{g/} | 0 | 1,495 | 3,403 | 0 | 1,995 | 16,951 | 2,217 | 26,061 |
| 2011 ^{g/} | 0 | 2,121 | 6,402 | 0 | NA | NA | NA | NA |
| GOAL | | | | | | 11,388^{h/} | | |

a/ Age-3 and older.

b/ Age-3 and older, including hatchery fish spawning naturally.

c/ Includes fish taken from the spawning grounds for broodstock.

d/ Minimum estimate due to incomplete estimates of river recreational catch. Does not include non-local catch.

e/ Fewer than 50 fish.

f/ WDFW is not able to differentiate spawning time and believes this includes fall Chinook.

g/ Preliminary.

h/ MSY spawning escapement objective adopted under Amendment 16. Previous objectives of 1,400 (spring) and 14,600 (fall) were used for preseason planning in 2011.

i/ Recreational catch estimates by WDFW reflect application of catch record card bias correction factor of 0.833. Quinault Indian Nation does not believe this factor is appropriate for this fishery. Unadjusted catch estimates are 1,000 for 1987; 2,400 for 1988; 2,500 for 1989; 2,400 for 1990; 4,500 for 1991; 2,600 for 1992; 4,200 for 1993; 4,300 for 1994; 6,500 for 1995; 6,800 for 1996; 3,400 for 1997; 3,500 for 1998; and 100 for 1999; terminal run sizes would be adjusted accordingly.

TABLE B-26. Grays Harbor coho terminal catch, spawning escapement, and run size estimates in numbers of fish.

| Year or Average | Terminal Catch | | | | Spawning Escapement ^{b/} | | Terminal Run Size ^{c/} | | | |
|--------------------|-----------------------|--------------------------|----------|---------|-----------------------------------|----------------------|---------------------------------|----------|---------------------|---------|
| | Non-Indian Gillnet | Treaty Indian Gillnet | Chehalis | | Natural | Hatchery | Natural | Hatchery | Total ^{d/} | |
| | | | Tribal | Gillnet | Sport ^{e/} | | | | | |
| 1976-1980 | 5,231 | 9,675 | 3,500 | | 2,021 | 29,510 | 10,207 | 44,430 | 17,933 | 61,088 |
| 1981-1985 | 5,299 | 15,614 | 2,863 | | 5,012 | 36,847 | 17,565 | 40,374 | 42,013 | 82,388 |
| 1986-1990 | 7,715 | 30,109 | 1,817 | | 5,355 | 44,836 | 30,767 | 51,553 | 69,041 | 120,595 |
| 1991-1995 | 12,502 | 29,745 | 2,716 | | 10,503 | 36,516 | 31,654 | 51,384 | 72,082 | 123,466 |
| 1996 | 10,096 | 51,812 | 2,915 | | 20,846 | 63,572 | 49,378 | 87,869 | 110,161 | 198,030 |
| 1997 | 115 | 5,548 | 125 | | 1,547 | 22,469 | 12,710 | 19,258 | 22,958 | 42,216 |
| 1998 | 795 | 13,586 | 361 | | 2,123 | 35,551 | 16,228 | 40,398 | 28,702 | 69,100 |
| 1999 | 1,674 | 12,212 | 797 | | 4,507 | 33,346 | 29,655 | 37,987 | 44,342 | 82,329 |
| 2000 | 4,995 | 10,947 | 331 | | 5,122 | 38,054 | 29,127 | 43,355 | 40,268 | 83,623 |
| 2001 | 3,152 | 15,671 | 533 | | 20,868 | 80,100 | 90,411 | 76,401 | 118,595 | 194,996 |
| 2002 | 6,853 | 14,518 | 797 | | 13,083 | 110,066 | 45,300 | 110,969 | 76,108 | 187,077 |
| 2003 | 6,623 | 18,778 | 1,000 | | 12,026 | 84,952 | 65,114 | 94,759 | 87,383 | 182,142 |
| 2004 | 5,231 | 17,431 | 4,483 | | 9,847 | 60,690 | 47,418 | 64,371 | 80,736 | 145,107 |
| 2005 | 3,073 | 23,232 | 2,286 | | 11,043 | 38,585 | 47,784 | 43,665 | 82,716 | 126,381 |
| 2006 ^{e/} | 649 | 8,680 | 127 | | 2,185 | 17,767 | 16,729 | 20,440 | 24,902 | 45,342 |
| 2007 ^{e/} | 1,687 | 8,922 | 1,108 | | 4,456 | 25,121 | 14,345 | 32,472 | 23,284 | 55,756 |
| 2008 ^{e/} | 7,783 | 10,204 | 385 | | 3,210 | 34,054 | 12,774 | 47,060 | 19,990 | 67,050 |
| 2009 ^{e/} | 561 | 28,487 | 858 | | 16,053 | 69,222 | 45,174 | 88,405 | 56,792 | 145,197 |
| 2010 ^{e/} | 3,990 | 25,133 | 2,519 | | 12,038 | 102,237 | 67,387 | 105,590 | 96,265 | 201,855 |
| 2011 ^{e/} | 3,628 | 28,895 | 1,542 | | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | | 24,426 ^{f/} | | | | |

a/ Beginning in 1987, estimates provided by WDFW for recreational catch reflect punch card bias correction factor.

b/ "Natural" includes hatchery fish spawning in wild. "Hatchery" includes wild fish taken for broodstock.

c/ Terminal run size numbers from 1981 to present are under co-manager review.

d/ The combined natural and hatchery run size total may not add to the sum of the catch and escapements due to hatchery total run size including on-station and off-station escapements.

e/ Preliminary.

f/ MSY spawning escapement objective adopted under Amendment 16. Previous objective of 35,400 was used for preseason planning in 2011.

TABLE B-27. Treaty Indian gillnet catch of Chinook, chum, and sockeye salmon in the Quinault River in numbers of fish.

| Year or Average | Spring/Summer Chinook ^{a/} | Fall Chinook ^{a/} | Chum | Sockeye |
|--------------------|-------------------------------------|----------------------------|-------|---------|
| 1976-1980 | 149 | 4,320 | 7,960 | 17,560 |
| 1981-1985 | 114 | 5,100 | 4,720 | 12,600 |
| 1986-1990 | 338 | 8,822 | 4,686 | 11,218 |
| 1991-1995 | 98 | 6,293 | 2,505 | 9,523 |
| 1996 | 41 | 5,221 | 594 | 1,244 |
| 1997 | 19 | 2,625 | 1,033 | 2,532 |
| 1998 | 75 | 6,124 | 4,699 | 3,440 |
| 1999 | 10 | 4,840 | 599 | 73 |
| 2000 | 0 | 3,421 | 755 | 0 |
| 2001 | 5 | 4,047 | 2,009 | 0 |
| 2002 | 36 | 4,542 | 1,151 | 16,939 |
| 2003 | 92 | 7,343 | 3,742 | 37,130 |
| 2004 | 142 | 10,662 | 2,916 | 6,990 |
| 2005 | 24 | 7,648 | 1,283 | 116 |
| 2006 | 16 | 7,044 | 862 | 8 |
| 2007 | <20 | 2,126 | 1,173 | 1 |
| 2008 | 10 | 3,682 | 1,171 | 0 |
| 2009 ^{b/} | 43 | 5,455 | 1,156 | 1,441 |
| 2010 ^{b/} | 8 | 4,521 | 2,037 | 1,856 |
| 2011 ^{b/} | 26 | 5,998 | 7,421 | 9,177 |

a/ Stock separation under review.

b/ Preliminary.

TABLE B-28. Estimated inriver run size, catch and escapement for Quinault River coho in numbers of fish.

| Year or Average | Terminal Catch ^{a/} | | | Escapement | | Terminal Run Size | | |
|--------------------|------------------------------|-----------------------------|-------------|---------------------|----------|-------------------|----------|---------|
| | Gillnet | Ceremonial & Subsistence | River Sport | Natural | Hatchery | Natural | Hatchery | Total |
| 1977-1980 | 9,750 | -- | -- | 3,425 | 3,107 | 8,465 | 7,750 | 16,215 |
| 1981-1985 | 10,700 | -- | -- | 3,237 | 6,239 | 7,809 | 12,657 | 20,466 |
| 1986-1990 | 13,777 | -- | -- | 3,185 | 4,239 | 8,024 | 13,200 | 21,224 |
| 1991-1995 | 7,963 | -- | -- | 4,319 | 8,046 | 6,205 | 13,472 | 19,678 |
| 1996 | 10,087 | -- | -- | 13,327 | 9,521 | 18,849 | 13,865 | 32,714 |
| 1997 | 365 | -- | -- | 3,150 | 1,054 | 3,339 | 1,118 | 4,457 |
| 1998 | 5,946 | -- | -- | 3,770 | 3,158 | 7,156 | 5,581 | 12,737 |
| 1999 | 15,491 | -- | -- | 12,666 | 14,617 | 19,138 | 23,101 | 42,239 |
| 2000 | 16,194 | -- | -- | 7,421 | 9,481 | 14,559 | 18,099 | 32,658 |
| 2001 | 25,348 | -- | -- | 21,565 | 30,689 | 30,016 | 47,115 | 77,131 |
| 2002 | 19,197 | -- | -- | 12,213 | 16,841 | 16,847 | 30,196 | 47,043 |
| 2003 | 22,546 | -- | -- | 4,710 | 16,841 | 9,546 | 34,132 | 43,678 |
| 2004 | 17,055 | -- | -- | 1,404 | 10,321 | 3,377 | 24,821 | 28,198 |
| 2005 | 23,852 | -- | -- | 6,418 | 10,034 | 15,951 | 25,574 | 41,525 |
| 2006 | 9,785 | 336 | 325 | 1,110 | 3,207 | 3,432 | 11,032 | 14,464 |
| 2007 | 11,770 | 578 | 650 | 6,193 | 15,069 | 9,778 | 24,395 | 34,173 |
| 2008 | 25,227 | 961 | 978 | 14,920 | 14,959 | 26,544 | 29,774 | 56,318 |
| 2009 ^{b/} | 54,882 | 2,036 | 2,047 | 33,140 | 23,353 | 48,324 | 66,095 | 114,419 |
| 2010 ^{b/} | 41,726 | 1,449 | 1,450 | 19,445 | 12,785 | 33,945 | 41,445 | 76,854 |
| 2011 ^{b/} | 38,426 | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | Hatchery Production | | | | |

a/ Includes dip-in fish destined for other river systems.

b/ Preliminary.

TABLE B-29. Estimated inriver run size, catch, and escapement of Queets River spring/summer Chinook in numbers of fish.

| Year or Average | Terminal Catch | | | Escapement | | Terminal Run Size | | |
|--------------------|----------------|-----------------------------|---------------------------|-----------------------|----------|-------------------|----------|-------|
| | Gillnet | Ceremonial & Subsistence | River Sport ^{a/} | Natural ^{b/} | Hatchery | Natural | Hatchery | Total |
| 1976-1980 | 267 | 18 | 53 | 851 | 24 | 1,176 | 37 | 1,078 |
| 1981-1985 | 243 | 20 | 27 | 890 | 52 | 956 | 74 | 1,209 |
| 1986-1990 | 646 | 46 | 67 | 1,527 | - | 2,287 | - | 2,287 |
| 1991-1995 | 64 | 5 | 10 | 610 | - | 689 | - | 688 |
| 1996 | 43 | 3 | 69 | 776 | - | 891 | - | 891 |
| 1997 | 72 | 10 | 71 | 540 | - | 693 | - | 693 |
| 1998 | 18 | 27 | - | 492 | - | 537 | - | 537 |
| 1999 | 12 | 41 | - | 373 | - | 426 | - | 426 |
| 2000 | - | 2 | - | 248 | - | 250 | - | 250 |
| 2001 | - | 17 | - | 548 | - | 565 | - | 565 |
| 2002 | - | 17 | - | 738 | - | 755 | - | 755 |
| 2003 | - | 6 | - | 189 | - | 195 | - | 195 |
| 2004 | - | 15 | - | 604 | - | 619 | - | 619 |
| 2005 | - | 8 | - | 298 | - | 306 | - | 306 |
| 2006 | - | 6 | - | 330 | - | 336 | - | 336 |
| 2007 | - | 6 | - | 352 | - | 358 | - | 358 |
| 2008 | - | 3 | - | 305 | - | 305 | - | 305 |
| 2009 ^{c/} | - | 0 | - | 495 | - | 495 | - | 495 |
| 2010 ^{c/} | - | 0 | - | 259 | - | 259 | - | 259 |
| 2011 ^{c/} | - | 0 | - | NA | - | NA | - | NA |
| GOAL | | | | 700 ^{d/} | | | | |

a/ River catch of adults.

b/ Natural escapement includes hatchery strays.

c/ Preliminary.

d/ Minimum. Terminal run managed at 30 percent exploitation rate of inriver run size.

TABLE B-30. Estimated inriver run size, catch, and escapement of Queets River fall Chinook in numbers of fish.

| Average | Terminal Catch | | | Escapement Natural ^{b/} | Terminal Run Size | | Total |
|--------------------|----------------|-----------------------------|---------------------------|-------------------------------------|-----------------------|-------------------------|--------|
| | Gillnet | Ceremonial & Subsistence | River Sport ^{a/} | | Natural ^{c/} | Indicator ^{d/} | |
| 1976-1980 | 1,540 | 100 | 36 | 2,820 | 4,320 | - | 4,320 |
| 1981-1985 | 2,104 | 20 | 135 | 3,930 | 5,691 | 591 | 6,282 |
| 1986-1990 | 2,430 | 20 | 214 | 8,768 | 10,677 | 861 | 11,538 |
| 1991-1995 | 1,860 | 20 | 109 | 4,106 | 5,511 | 708 | 6,219 |
| 1996 | 1,307 | 20 | 238 | 4,218 | 4,693 | 1,234 | 5,927 |
| 1997 | 1,708 | 20 | 210 | 2,872 | 4,122 | 823 | 4,945 |
| 1998 | 804 | 20 | 347 | 3,859 | 5,009 | 164 | 5,173 |
| 1999 | 947 | 20 | 93 | 1,918 | 2,885 | 220 | 3,105 |
| 2000 | 262 | 20 | 50 | 3,755 | 3,752 | 395 | 4,147 |
| 2001 | 1,366 | 64 | 285 | 3,099 | 3,604 | 1,204 | 4,808 |
| 2002 | 2,887 | 69 | 20 | 2,589 | 4,377 | 1,184 | 5,561 |
| 2003 | 1,322 | 93 | 278 | 4,979 | 5,203 | 1,415 | 6,618 |
| 2004 | 1,228 | 93 | 370 | 5,105 | 4,778 | 2,019 | 6,797 |
| 2005 | 1,648 | 90 | 441 | 4,557 | 4,521 | 2,213 | 6,734 |
| 2006 | 1,079 | 57 | 71 | 3,051 | 3,255 | 1,003 | 4,258 |
| 2007 | 634 | 20 | 74 | 878 | 1,293 | 307 | 1,600 |
| 2008 | 1,020 | 41 | 0 | 3,082 | 3,465 | 692 | 4,157 |
| 2009 | 1,522 | 65 | 209 | 3,106 | 4,032 | 856 | 4,889 |
| 2010 ^{e/} | 1,722 | 81 | 169 | 4,022 | 4,233 | 1,758 | 5,994 |
| 2011 ^{e/} | 2,327 | NA | NA | NA | NA | NA | NA |
| GOAL | | | | 2,500 ^{f/} | | | |

a/ River sport catch of age-3 and older fish. The 2000 sport fishery was closed to retention of unmarked Chinook. The 2002 sport fishery was closed to Chinook retention on October 18 due to unusually low water conditions. The 2008 sport fishery was closed to the retention of Chinook. The 2009 sport fishery was closed to retention of unmarked Chinook in Queets and Salmon Rivers within Olympic National Park.

b/ Includes Indicator Stock. Estimates for years prior to 2001 assume a broodstock take of 150 as a placeholder until individual run reconstructions are complete.

c/ Includes from 100 to 200 wild Chinook captured each season near spawning grounds to be used as Indicator broodstock.

d/ This is an integrated wild/hatchery program. Broodstock are unmarked wild fish collected from river.

e/ Preliminary.

f/ Minimum. Terminal run managed at 40 percent exploitation rate of terminal run size.

TABLE B-31. Estimated terminal run size, catch, and escapement for Queets River coho in numbers of fish.

| Year or Average | Terminal Catch ^{a/} | | | Escapement ^{c/} | | | Terminal Run Size ^{c/} | | | |
|-------------------------|------------------------------|-----------------------------|---------------------------|--------------------------|--------------|----------|---------------------------------|--------------|----------|---------------------|
| | Gillnet | Ceremonial & Subsistence | River Sport ^{b/} | Natural | Supplemental | Hatchery | Natural | Supplemental | Hatchery | Total ^{d/} |
| 1976-1980 | 2,440 | 60 | 140 | 3,460 | - | 1,000 | 5,100 | - | 1,640 | 6,740 |
| 1981-1985 | 2,385 | 20 | 104 | 5,397 | - | 2,654 | 6,411 | - | 3,794 | 10,205 |
| 1986-1990 | 8,455 | 18 | 241 | 4,826 | 996 | 3,700 | 6,343 | 1,825 | 9,685 | 17,123 |
| 1991-1995 ^{e/} | 4,423 | 285 | 273 | 4,943 | 1,024 | 3,455 | 5,967 | 1,167 | 6,927 | 13,828 |
| 1996 | 16,035 | 920 | 279 | 8,926 | 3,575 | 5,189 | 10,722 | 4,502 | 13,078 | 28,302 |
| 1997 | 3,087 | 222 | 106 | 1,712 | e/ | 2,137 | 1,970 | e/ | 5,029 | 6,999 |
| 1998 | 7,411 | 452 | 135 | 4,134 | 1,387 | 3,503 | 4,661 | 1,536 | 9,545 | 15,742 |
| 1999 | 3,974 | 381 | 119 | 4,799 | 519 | 3,551 | 5,054 | 529 | 7,388 | 12,971 |
| 2000 | 5,066 | 479 | 223 | 8,104 | 682 | 2,032 | 8,715 | 701 | 5,366 | 14,782 |
| 2001 | 13,722 | 1,287 | 1,554 | 23,871 | 1,082 | 6,508 | 28,368 | 2,293 | 14,193 | 44,854 |
| 2002 | 23,712 | 1,009 | 399 | 13,968 | 1,065 | 2,240 | 16,123 | 1,311 | 21,514 | 38,948 |
| 2003 | 12,693 | 921 | 743 | 9,846 | 1,081 | 7,002 | 13,224 | 1,343 | 15,544 | 30,111 |
| 2004 ^{f/} | 8,189 | 657 | 1,287 | 7,484 | 1,225 | 3,985 | 10,030 | 1,673 | 10,395 | 22,098 |
| 2005 ^{f/} | 20,810 | 989 | 873 | 6,539 | 432 | 7,843 | 9,658 | 542 | 26,304 | 36,504 |
| 2006 ^{f/} | 6,190 | 353 | 52 | 5,626 | 0 | 2,931 | 6,400 | 0 | 7,101 | 13,501 |
| 2007 | 2,261 | 304 | 153 | 4,680 | 0 | 1,874 | 6,066 | 0 | 2,779 | 8,845 |
| 2008 | 4,671 | 356 | 562 | 4,629 | 0 | 3,461 | 6,221 | 0 | 5,667 | 11,888 |
| 2009 ^{g/} | 25,004 | 1,680 | 865 | 9,404 | 0 | 14,151 | 16,909 | 0 | 30,161 | 47,070 |
| 2010 ^{g/} | 21,138 | 1,387 | 944 | 11,261 | 0 | 10,326 | 18,900 | 0 | 20,954 | 39,854 |
| 2011 ^{g/} | 16,638 | 900 | NA | NA | 0 | NA | NA | 0 | NA | NA |
| GOAL | | | | 5,800-14,500 | | | | | | |

a/ Includes dip-in fish from other river systems.

b/ Recreational catch of adults (coho over 20 inches).

c/ Natural escapement and run size estimates include fish taken for hatchery brood stock.

d/ Queets stock only; does not include non-local, dip-in fish.

e/ 1991 and 1997 supplemental was included in natural escapement and run size.

f/ Escapement estimates are from non-standard methods due to poor survey conditions during the coho spawning season.

g/ Preliminary. Escapement estimates for 2009 and 2010 were under review; data for the 2011 run were being processed.

TABLE B-32. Estimated inriver run size, catch, and escapement for Hoh River spring/summer Chinook in numbers of fish.

| Year or Average | Terminal Catch ^{a/} | | | | | | | | | | | |
|------------------------|------------------------------|----------|-------|--------------------------|----------|-------|---------------------------|-------------------|----------|-------------------|----------|-------|
| | Gillnet | | | Ceremonial & Subsistence | | | River Sport ^{b/} | Escapement | | Terminal Run Size | | |
| | Natural | Hatchery | Total | Natural | Hatchery | Total | | Natural | Hatchery | Natural | Hatchery | Total |
| 1976-1980 | NA | NA | 640 | -- | -- | 52 | 84 | 1,040 | 0 | 1,835 | 0 | 1,835 |
| 1981-1985 | NA | NA | 448 | -- | -- | 30 | 124 | 1,431 | 50 | 1,944 | 128 | 2,073 |
| 1986-1990 | NA | NA | 1,072 | -- | -- | 33 | 315 | 2,829 | 34 | 4,043 | 257 | 4,300 |
| 1991-1995 | NA | NA | 432 | -- | -- | 22 | 273 | 1,268 | 0 | 1,852 | 156 | 2,008 |
| 1996 | NA | NA | 471 | -- | -- | 30 | 267 | 1,371 | 16 | 2,083 | 114 | 2,197 |
| 1997 | NA | NA | 416 | -- | -- | 57 | 331 | 1,826 | 0 | 2,582 | 53 | 2,635 |
| 1998 | NA | NA | 294 | -- | -- | 20 | 288 | 1,287 | 0 | 1,880 | 28 | 1,908 |
| 1999 ^{c/} | NA | NA | 155 | -- | -- | 20 | 52 | 928 | 99 | 1,081 | 171 | 1,252 |
| 2000 ^{d/} | NA | NA | 87 | -- | -- | 38 | 21 | 492 | 0 | 529 | 116 | 645 |
| 2001 ^{d/} | NA | NA | 134 | -- | -- | 39 | 43 | 1,159 | 0 | 1,231 | 101 | 1,332 |
| 2002 ^{e/} | NA | NA | 587 | -- | -- | 37 | 372 | 2,464 | 0 | 3,375 | 85 | 3,460 |
| 2003 ^{e/} | NA | NA | 296 | -- | -- | 20 | 206 | 1,228 | 0 | 1,646 | 104 | 1,750 |
| 2004 ^{e/} | NA | NA | 401 | -- | -- | 20 | 102 | 1,786 | 0 | 2,239 | 70 | 2,309 |
| 2005 ^{e/} | NA | NA | 323 | -- | -- | 36 | 73 | 1,193 | 0 | 1,389 | 217 | 1,606 |
| 2006 ^{e/} | NA | NA | 576 | -- | -- | 37 | 109 | 904 | 0 | 1,061 | 571 | 1,632 |
| 2007 ^{e/} | NA | NA | 760 | -- | -- | 68 | 136 | 810 | 0 | 1,023 | 592 | 1,615 |
| 2008 ^{d/e/} | 22 | 227 | 249 | 10 | 40 | 50 | 7 | 671 | 0 | 717 | 274 | 991 |
| 2009 ^{d/e/} | 30 | 106 | 136 | 3 | 2 | 5 | 12 | 880 | 2 | 913 | 110 | 1,023 |
| 2010 ^{d/e/f/} | 24 | 83 | 107 | 0 | 0 | 0 | 6 | 828 | 0 | 858 | 83 | 941 |
| 2011 ^{d/e/f/} | 51 | 25 | 76 | 7 | 3 | 10 | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | | | | 900 ^{g/} | | | | |

a/ Beginning in 1981, catch breakouts recalculated to account for Solduc hatchery yearling release dip-in fish.

b/ Recreational catch of adults (at least 24 inches total length); beginning in 2008, all Chinook must be marked with a healed adipose fin clip.

c/ Sport fishery closed until July 14.

d/ Sport fishery closed through August 31 to retention of wild adult spring/summer Chinook.

e/ Sport fishery open May 16 through August 31 from mouth to Willoughby Creek.

f/ Preliminary.

g/ Minimum. Terminal run managed at 31 percent harvest rate of inriver run size.

TABLE B-33. Estimated inriver run size, catch, and escapement for Hoh River fall Chinook in numbers of fish.

| Year or Average | Terminal Catch | | | Escapement | | Terminal Run Size | | |
|--------------------|----------------|-----------------------------|---------------------------|-----------------------|----------|-----------------------|----------|-------|
| | Gillnet | Ceremonial & Subsistence | River Sport ^{a/} | Natural ^{b/} | Hatchery | Natural ^{b/} | Hatchery | Total |
| 1976-1980 | 760 | 36 | 37 | 2,080 | - | 2,960 | - | 2,960 |
| 1981-1985 | 849 | 36 | 59 | 2,745 | 20 | 3,684 | 100 | 3,764 |
| 1986-1990 | 2,000 | 32 | 213 | 4,500 | 33 | 6,819 | 88 | 6,907 |
| 1991-1995 | 871 | 27 | 233 | 2,774 | 0 | 3,590 | 65 | 3,655 |
| 1996 | 836 | 30 | 192 | 3,022 | 0 | 4,061 | 19 | 4,080 |
| 1997 | 1,114 | 35 | 164 | 1,773 | 0 | 3,034 | 52 | 3,086 |
| 1998 | 846 | 30 | 268 | 4,257 | 0 | 5,388 | 13 | 5,401 |
| 1999 | 596 | 30 | 413 | 1,924 | 0 | 2,941 | 22 | 2,963 |
| 2000 | 404 | 20 | 479 | 1,749 | 0 | 2,632 | 20 | 2,652 |
| 2001 | 946 | 40 | 600 | 2,560 | 0 | 4,116 | 120 | 4,236 |
| 2002 ^{c/} | 1,461 | 30 | 134 | 4,415 | 82 | 5,716 | 406 | 6,122 |
| 2003 | 517 | 30 | 216 | 1,649 | 32 | 2,345 | 99 | 2,444 |
| 2004 | 815 | 30 | 400 | 3,211 | 26 | 4,410 | 72 | 4,482 |
| 2005 | 970 | 21 | 229 | 4,180 | 14 | 5,337 | 77 | 5,414 |
| 2006 | 586 | 30 | 204 | 1,535 | 0 | 2,324 | 19 | 2,343 |
| 2007 | 660 | 30 | 192 | 1,556 | 0 | 2,427 | 11 | 2,438 |
| 2008 | 659 | 0 | 278 | 2,999 | 0 | 3,911 | 25 | 3,936 |
| 2009 | 553 | 0 | 134 | 2,081 | 0 | 2,767 | 21 | 2,788 |
| 2010 ^{d/} | 342 | 0 | 297 | 2,599 | 0 | 3,204 | 34 | 3,238 |
| 2011 ^{d/} | 528 | 0 | NA | NA | NA | NA | NA | NA |
| GOAL | | | | 1,200 ^{e/} | | | | |

a/ Recreational catch of age-3 and older fish.

b/ Includes fish taken for hatchery brood stock.

c/ Low water in October and early November delayed upstream migration, prompting closure of the sport fishery to Chinook retention on October 19 for the remainder of season. Tribal gillnet fishery closed weeks 44 and 45.

d/ Preliminary.

e/ Minimum. Terminal run managed for a maximum 40 percent harvest rate of inriver run size.

TABLE B-34. Estimated inriver run size, catch, and escapement for Hoh River coho in numbers of fish.

| Year or Average | Terminal Catch ^{a/} | | | Escapement | | Terminal Run Size | | |
|--------------------|------------------------------|-----------------------------|---------------------------|-----------------------|----------|-----------------------|----------|--------|
| | Gillnet | Ceremonial & Subsistence | River Sport ^{b/} | Natural ^{c/} | Hatchery | Natural ^{c/} | Hatchery | Total |
| 1976-1980 | 1,960 | 74 | 28 | 2,700 | 39 | 4,683 | 259 | 4,942 |
| 1981-1985 | 1,604 | 48 | 22 | 3,371 | 92 | 4,655 | 452 | 5,107 |
| 1986-1990 | 2,507 | 30 | 165 | 3,145 | 238 | 5,221 | 760 | 5,981 |
| 1991-1995 | 801 | 26 | 168 | 3,078 | 122 | 3,816 | 379 | 4,195 |
| 1996 | 972 | 50 | 101 | 4,858 | 0 | 5,835 | 146 | 5,981 |
| 1997 ^{d/} | 85 | 25 | 4 | 1,386 | 0 | 1,449 | 51 | 1,500 |
| 1998 | 650 | 20 | 213 | 4,418 | 0 | 5,184 | 118 | 5,302 |
| 1999 | 1,706 | 25 | 256 | 4,594 | 0 | 6,293 | 308 | 6,601 |
| 2000 | 1,932 | 20 | 280 | 6,772 | 0 | 8,831 | 173 | 9,004 |
| 2001 | 3,909 | 40 | 786 | 10,773 | 840 | 14,801 | 1,547 | 16,348 |
| 2002 ^{e/} | 3,114 | 30 | 401 | 9,009 | 1,922 | 11,254 | 3,222 | 14,476 |
| 2003 | 1,872 | 20 | 350 | 6,273 | 645 | 8,118 | 1,021 | 9,139 |
| 2004 | 1,255 | 20 | 437 | 4,702 | 14 | 6,291 | 137 | 6,428 |
| 2005 | 3,830 | 30 | 280 | 4,711 | 732 | 8,294 | 1,259 | 9,553 |
| 2006 | 1,313 | 30 | 108 | 1,282 | 0 | 2,267 | 466 | 2,733 |
| 2007 | 1,757 | 40 | 305 | 3,072 | 0 | 5,120 | 54 | 5,174 |
| 2008 | 1,788 | 4 | 204 | 2,461 | 67 | 4,308 | 220 | 4,528 |
| 2009 | 4,294 | 0 | 505 | 6,595 | 0 | 10,718 | 685 | 11,403 |
| 2010 ^{f/} | 2,638 | 0 | 515 | 7,864 | 0 | 10,549 | 468 | 11,017 |
| 2011 ^{f/} | 3,418 | 0 | NA | NA | NA | NA | NA | NA |
| GOAL | | | | 2,000 to 5,000 | | | | |

a/ Includes dip-in fish from other river systems.

b/ Recreational catch of adults (coho over 20 inches).

c/ Natural escapement and run sizes estimates include fish taken for hatchery brood stock.

d/ Recreational fishermen were limited to Chinook only. Release of adult coho required. Tribal net fishery used large mesh to minimize coho impacts.

e/ Sport and tribal gillnet seasons reduced inseason in response to delayed upriver movement of coho caused by extreme low water conditions in October and early November. Closures were for two weeks.

f/ Preliminary.

TABLE B-35. Estimated inriver run size, catch, and escapement for Quillayute River spring/summer Chinook in numbers of fish.

| Year or Average | Terminal Catch | | | Escapement | | Terminal Run Size | | Total |
|----------------------|----------------|---|---------------------------|-----------------------|------------------------|-----------------------|------------------------|-------|
| | Gillnet | Ceremonial & Subsistence ^{a/} | River Sport ^{b/} | Natural ^{c/} | Hatchery ^{d/} | Natural ^{c/} | Hatchery ^{d/} | |
| 1976-1980 | 2,520 | 20 | 380 | 2,093 | 800 | - | - | 3,698 |
| 1981-1985 | 700 | 20 | 48 | 731 | 260 | - | - | 1,164 |
| 1986-1990 | 1,631 | 22 | 258 | 1,602 | 1,003 | 3,085 | 2,503 | 4,341 |
| 1991-1995 | 893 | 25 | 293 | 1,159 | 832 | 1,444 | 1,758 | 3,202 |
| 1996 | 136 | 50 | 257 | 1,170 | 226 | 1,388 | 426 | 1,814 |
| 1997 | 106 | 50 | 263 | 890 | 198 | 1,177 | 305 | 1,482 |
| 1998 | 199 | 50 | 128 | 1,599 | 247 | 1,829 | 369 | 2,198 |
| 1999 | 368 | 50 | 238 | 713 | 596 | 818 | 1,147 | 1,965 |
| 2000 | 254 | 50 | 307 | 989 | 227 | 1,149 | 678 | 1,827 |
| 2001 | 330 | 50 | 353 | 1,225 | 973 | 1,399 | 1,515 | 2,914 |
| 2002 | 419 | 50 | 367 | 1,002 | 836 | 1,100 | 1,573 | 2,673 |
| 2003 | 184 | 50 | 343 | 1,219 | 1,250 | 1,308 | 1,738 | 3,046 |
| 2004 | 217 | 50 | 341 | 1,093 | 763 | 1,259 | 1,195 | 2,454 |
| 2005 | 332 | 3 | 479 | 876 | 801 | 1,033 | 1,467 | 2,500 |
| 2006 | 688 | 0 | 318 | 553 | 1,032 | 604 | 1,987 | 2,591 |
| 2007 | 800 | 0 | 180 | 502 | 1,007 | 568 | 1,921 | 2,489 |
| 2008 | 993 | 40 | 223 | 949 | 796 | 1,081 | 1,920 | 3,001 |
| 2009 ^{e/} | 483 | 30 | 192 | 555 | 722 | 682 | 1,300 | 1,982 |
| 2010 ^{e/f/} | 567 | 0 | 245 | 815 | 880 | 941 | 1,566 | 2,507 |
| 2011 ^{e/f/} | 595 | 41 | NA | 600 | 696 | 806 | 1,236 | 1,932 |
| GOAL | | | | 1,200 ^{g/} | | | | |

a/ Beginning in 2005, ceremonial and subsistence catch taken during scheduled gillnet fishery is reported as gillnet catch. Catch during designated ceremonial and subsistence fisheries is listed separately.

b/ Recreational catch of adults; mark selective for adipose fin clipped coho beginning in 2003.

c/ Natural escapement includes hatchery strays and broodstock fish.

d/ Hatchery escapement and terminal run size exclude hatchery strays.

e/ Preliminary.

f/ Terminal run size estimates incomplete because inriver sport catch estimates were unavailable.

g/ FMP goal is adults; WDFW goal of 1,200 includes age-3 males (jacks).

TABLE B-36. Estimated inriver run size, catch, and escapement for Quillayute River fall Chinook in numbers of fish.

| Year or Average | Terminal Catch | | | Escapement | | Terminal Run Size | | |
|----------------------|----------------|---|---------------------------|-----------------------|------------------------|-----------------------|------------------------|--------|
| | Gillnet | Ceremonial & Subsistence ^{a/} | River Sport ^{b/} | Natural ^{c/} | Hatchery ^{d/} | Natural ^{c/} | Hatchery ^{d/} | Total |
| 1976-1980 | 2,640 | 20 | 220 | 4,220 | 144 | 6,540 | 640 | 7,180 |
| 1981-1985 | 2,075 | 50 | 131 | 6,282 | 77 | 8,219 | 305 | 8,525 |
| 1986-1990 | 5,475 | 50 | 564 | 12,238 | 112 | 18,004 | 379 | 18,383 |
| 1991-1995 | 713 | 50 | 289 | 5,670 | 11 | 6,705 | 29 | 6,733 |
| 1996 | 1,377 | 100 | 500 | 7,316 | 0 | 9,293 | 0 | 9,293 |
| 1997 | 282 | 50 | 310 | 5,405 | 0 | 6,047 | 0 | 6,047 |
| 1998 | 762 | 100 | 326 | 6,752 | 0 | 7,940 | 0 | 7,940 |
| 1999 | 1,129 | 100 | 195 | 3,334 | 0 | 4,758 | 0 | 4,758 |
| 2000 | 604 | 100 | 360 | 3,730 | 0 | 4,794 | 0 | 4,794 |
| 2001 | 1,650 | 100 | 659 | 5,136 | 0 | 7,545 | 0 | 7,545 |
| 2002 | 3,074 | 100 | 271 | 6,067 | 0 | 9,512 | 0 | 9,512 |
| 2003 | 1,345 | 100 | 626 | 7,398 | 0 | 9,469 | 23 | 9,492 |
| 2004 | 527 | 100 | 681 | 3,831 | 0 | 6,133 | 12 | 6,145 |
| 2005 | 1,414 | 0 | 499 | 6,406 | 0 | 8,319 | 32 | 8,351 |
| 2006 | 1,969 | 0 | 35 | 5,642 | 0 | 7,656 | 15 | 7,671 |
| 2007 | 905 | 0 | 166 | 3,066 | 0 | 4,137 | 0 | 4,137 |
| 2008 | 1,426 | 0 | 217 | 3,612 | 0 | 5,250 | 5 | 5,255 |
| 2009 ^{e/} | 2,434 | 0 | 352 | 3,130 | 0 | 5,874 | 42 | 5,916 |
| 2010 ^{e/f/} | 1,815 | 0 | 529 | 4,635 | 0 | 6,961 | 18 | 6,979 |
| 2011 ^{e/f/} | 1,972 | 3 | NA | 3,993 | 0 | 5,927 | 41 | 5,968 |
| GOAL | | | | 3,000 ^{g/} | | | | |

a/ Beginning in 2005, ceremonial and subsistence catch taken during scheduled gillnet fishery is reported as gillnet catch.

b/ River recreational catch of age-3 and older fish.

c/ Includes fish taken for hatchery brood stock and hatchery strays.

d/ Hatchery escapement and terminal run size exclude hatchery strays.

e/ Preliminary.

f/ Terminal run size estimates incomplete since inriver sport catch estimates were unavailable.

g/ Minimum. Terminal run managed at 40 percent harvest rate.

TABLE B-37. Estimated inriver run size, catch, and escapement for Quillayute River coho stocks in numbers of fish. (Page 1 of 2)

| Year or Average | Terminal Catch ^{a/} | | | Escapement | | Terminal Run Size | | |
|----------------------|------------------------------|---|---------------------------|-----------------------|------------------------|-----------------------|------------------------|--------|
| | Gillnet | Ceremonial & Subsistence ^{b/} | River Sport ^{c/} | Natural ^{d/} | Hatchery ^{e/} | Natural ^{d/} | Hatchery ^{e/} | Total |
| SUMMER COHO | | | | | | | | |
| 1976-1980 | 5,038 | 56 | 266 | 1,192 | 4,565 | 1,962 | 9,154 | 11,116 |
| 1981-1985 | 4,062 | 50 | 105 | 946 | 2,744 | 2,106 | 5,802 | 7,908 |
| 1986-1990 | 3,204 | 50 | 94 | 723 | 4,001 | 1,643 | 6,430 | 8,072 |
| 1991-1995 | 1,286 | 50 | 191 | 784 | 6,501 | 989 | 7,823 | 8,812 |
| 1996 | 2,552 | 50 | 189 | 465 | 3,400 | 801 | 5,855 | 6,656 |
| 1997 | 70 | 50 | 14 | 753 | 1,509 | 798 | 1,598 | 2,396 |
| 1998 | 1,310 | 50 | 93 | 346 | 1,688 | 593 | 2,894 | 3,487 |
| 1999 | 945 | 50 | 292 | 624 | 7,527 | 723 | 8,715 | 9,438 |
| 2000 | 1,188 | 50 | 278 | 1,001 | 3,745 | 1,237 | 5,025 | 6,262 |
| 2001 | 2,196 | 50 | 590 | 961 | 12,993 | 1,841 | 14,949 | 16,790 |
| 2002 | 3,982 | 50 | 150 | 1,012 | 3,939 | 2,099 | 7,034 | 9,133 |
| 2003 | 2,412 | 50 | 326 | 505 | 6,539 | 1,472 | 8,360 | 9,832 |
| 2004 | 1,337 | 50 | 343 | 1,269 | 6,527 | 1,874 | 7,652 | 9,526 |
| 2005 | 10,273 | 0 | 487 | 1,218 | 7,182 | 2,197 | 16,963 | 19,160 |
| 2006 | 2,146 | 0 | 141 | 621 | 1,832 | 1,549 | 3,191 | 4,740 |
| 2007 | 645 | 0 | 200 | 805 | 4,778 | 1,029 | 5,399 | 6,428 |
| 2008 ^{f/} | 1,313 | 0 | 198 | 706 | 6,419 | 971 | 7,665 | 8,636 |
| 2009 ^{f/} | 3,227 | 0 | 233 | 1,337 | 8,085 | 2,210 | 10,672 | 12,882 |
| 2010 ^{f/g/} | 890 | 0 | NA | 276 | 1,644 | 558 | 2,252 | 2,810 |
| 2011 ^{f/g/} | 757 | 0 | NA | 1,644 | 3,800 | 1,991 | 4,210 | 6,201 |
| GOAL | Hatchery Production | | | | | | | |

TABLE B-37. Estimated inriver run size, catch, and escapement for Quillayute River coho stocks in numbers of fish. (Page 2 of 2)

| Year or Average | Terminal Catch ^{a/} | | | Escapement | | Terminal Run Size | | |
|----------------------|------------------------------|---|---------------------------|-----------------------|------------------------|-----------------------|------------------------|--------|
| | Gillnet | Ceremonial & Subsistence ^{b/} | River Sport ^{c/} | Natural ^{d/} | Hatchery ^{e/} | Natural ^{d/} | Hatchery ^{e/} | Total |
| FALL COHO | | | | | | | | |
| 1976-1980 | 5,985 | 53 | 70 | 9,002 | 2,435 | 13,959 | 3,587 | 17,546 |
| 1981-1985 | 3,789 | 49 | 164 | 7,464 | 2,102 | 10,988 | 2,580 | 13,568 |
| 1986-1990 | 5,794 | 100 | 385 | 8,766 | 1,771 | 14,119 | 2,695 | 16,815 |
| 1991-1995 | 3,598 | 100 | 565 | 7,357 | 4,736 | 9,930 | 6,426 | 16,356 |
| 1996 | 8,419 | 100 | 1,336 | 11,009 | 11,515 | 14,596 | 17,783 | 32,379 |
| 1997 | 456 | 50 | 38 ^{h/} | 4,623 | 2,645 | 5,021 | 2,791 | 7,812 |
| 1998 | 4,606 | 50 | 1,340 | 13,866 | 12,834 | 16,980 | 15,716 | 32,696 |
| 1999 | 22,946 | 50 | 1,054 | 9,365 | 13,528 | 19,524 | 27,515 | 47,039 |
| 2000 | 5,606 | 50 | 1,059 | 13,343 | 13,118 | 17,706 | 15,470 | 33,176 |
| 2001 | 23,991 | 50 | 2,620 | 18,876 | 23,892 | 36,714 | 32,715 | 69,429 |
| 2002 | 22,214 | 50 | 2,002 | 23,016 | 30,656 | 34,695 | 43,243 | 77,938 |
| 2003 | 13,949 | 50 | 2,533 | 14,756 | 13,799 | 25,188 | 19,899 | 45,087 |
| 2004 | 19,321 | 50 | 2,831 | 13,354 | 21,248 | 25,118 | 31,687 | 56,805 |
| 2005 | 29,530 | 0 | 3,420 | 11,501 | 24,137 | 22,125 | 46,463 | 68,588 |
| 2006 | 9,779 | 0 | 291 | 5,210 | 4,450 | 12,266 | 7,464 | 19,730 |
| 2007 | 10,152 | 0 | 826 | 6,252 | 5,423 | 10,942 | 11,711 | 22,653 |
| 2008 ^{f/} | 15,722 | 10 | 511 | 6,947 | 12,098 | 12,979 | 22,309 | 35,288 |
| 2009 ^{f/} | 37,112 | 0 | 4,620 | 7,863 | 23,373 | 24,653 | 48,315 | 72,968 |
| 2010 ^{f/g/} | 27,127 | 10 | NA | 9,837 | 23,325 | 22,393 | 37,906 | 60,299 |
| 2011 ^{f/g/} | 21,983 | 11 | NA | 9,512 | 22,487 | 20,032 | 33,976 | 54,008 |
| GOAL | 6,300-15,800 | | | | | | | |

a/ Includes dip-in fish from other systems.

b/ Beginning in 2005, ceremonial and subsistence catch taken during scheduled gillnet fishery is reported as gillnet catch. Catch during designated ceremonial and subsistence fisheries is listed separately.

c/ Recreational catch of adults (coho over 20 inches).

d/ Natural escapement and run size estimates include fish taken for hatchery brood stock.

e/ Hatchery escapement and terminal run size exclude hatchery strays.

f/ Preliminary.

g/ Terminal run size estimates incomplete since inriver sport catch estimates were unavailable.

h/ Regulations required nonretention of coho.

TABLE B-38. Estimated inriver run size, catch, and escapement for Hoko River summer/fall Chinook in numbers of fish.

| Year or Average | Terminal Catch | | | Escapement | | Terminal Run Size | | |
|--------------------|----------------|-----------------------------|---------------------------|-----------------------|-------------------|-----------------------|--------------|-------|
| | Gillnet | Ceremonial & Subsistence | River Sport ^{a/} | Natural ^{b/} | Supplemental | Natural ^{b/} | Supplemental | Total |
| 1991-1995 | - | - | 5 | 362 | 432 | 362 | 432 | 795 |
| 1996 | - | - | 4 | 435 | 830 | 435 | 830 | 1,265 |
| 1997 | - | - | 8 | 365 | 529 | 365 | 529 | 894 |
| 1998 | - | - | - | 705 | 1,017 | 705 | 1,017 | 1,722 |
| 1999 | - | - | - | 734 | 954 | 734 | 954 | 1,688 |
| 2000 | - | - | - | 294 | 437 | 294 | 437 | 731 |
| 2001 | - | - | - | 496 | 450 | 496 | 450 | 946 |
| 2002 | - | - | - | 192 | 488 | 192 | 488 | 680 |
| 2003 | - | - | - | 402 | 696 | 402 | 696 | 1,098 |
| 2004 | - | - | - | 266 | 820 | 266 | 820 | 1,086 |
| 2005 | - | - | - | 72 | 212 | 72 | 212 | 284 |
| 2006 | - | - | - | 172 | 723 | 172 | 723 | 895 |
| 2007 | - | - | - | 251 | 317 | 251 | 317 | 568 |
| 2008 | - | - | - | 106 | 377 | 106 | 377 | 483 |
| 2009 ^{c/} | - | - | - | 28 | 347 | 28 | 347 | 375 |
| 2010 ^{c/} | - | - | - | 322 | 471 | 322 | 471 | 793 |
| 2011 ^{c/} | - | - | - | 1,081 | 423 | 1,081 | 423 | 1,504 |
| GOAL | | | | 850 ^{d/} | 200 ^{e/} | | | |

a/ River recreational catch of age-3 and older fish.

b/ Includes fish taken for hatchery brood stock and hatchery strays.

c/ Preliminary.

d/ Terminal run size estimates incomplete since inriver sport catch estimates are unavailable.

d/ Goal in terms of naturally spawning fish and includes supplementation production

e/ Not an FMP goal.

TABLE B-39. Puget Sound commercial net and troll fishery salmon catches in numbers of fish.^{a/} (Page 1 of 2)

| Year or Average | Fishery | Chinook | Coho | Pink ^{b/} | Chum | Sockeye |
|--------------------|---------------|---------|-----------|--------------------|-----------|-----------|
| 1971-1975 | Non-Indian | 105,332 | 525,867 | 1,172,614 | 331,029 | 2,158,784 |
| | Treaty Indian | 57,672 | 224,743 | 61,818 | 78,266 | 38,225 |
| | Total | 163,005 | 750,610 | 1,234,433 | 409,295 | 2,197,009 |
| 1976-1980 | Non-Indian | 103,546 | 413,583 | 1,050,560 | 407,859 | 1,095,603 |
| | Treaty Indian | 135,592 | 492,549 | 185,831 | 296,057 | 277,771 |
| | Total | 239,138 | 906,132 | 1,236,391 | 703,916 | 1,373,374 |
| 1981-1985 | Non-Indian | 72,934 | 346,125 | 1,154,851 | 368,762 | 928,477 |
| | Treaty Indian | 155,966 | 608,241 | 829,340 | 387,951 | 912,408 |
| | Total | 228,899 | 954,366 | 1,984,191 | 756,713 | 1,840,885 |
| 1986-1990 | Non-Indian | 57,550 | 470,494 | 509,445 | 540,843 | 964,690 |
| | Treaty Indian | 176,966 | 812,712 | 590,138 | 662,215 | 1,028,361 |
| | Total | 234,516 | 1,283,206 | 1,099,583 | 1,203,058 | 1,993,051 |
| 1991-1995 | Non-Indian | 17,519 | 74,371 | 784,067 | 523,396 | 735,834 |
| | Treaty Indian | 82,513 | 316,784 | 832,948 | 607,028 | 741,058 |
| | Total | 100,033 | 391,155 | 1,617,015 | 1,130,424 | 1,476,892 |
| 1996-2000 | Non-Indian | 12,870 | 15,204 | 174,163 | 307,799 | 240,088 |
| | Treaty Indian | 64,442 | 184,866 | 211,946 | 210,140 | 321,849 |
| | Total | 77,311 | 200,071 | 386,109 | 517,939 | 561,937 |
| 2001 | Non-Indian | 18,029 | 28,299 | 463,083 | 824,328 | 85,112 |
| | Treaty Indian | 109,865 | 366,011 | 319,553 | 777,019 | 170,309 |
| | Total | 127,894 | 394,310 | 782,636 | 1,601,347 | 255,421 |
| 2002 ^{c/} | Non-Indian | 17,628 | 24,459 | 7 | 1,117,666 | 141,456 |
| | Treaty Indian | 98,251 | 286,500 | 327 | 833,497 | 339,773 |
| | Total | 115,879 | 310,959 | 334 | 1,951,163 | 481,229 |

TABLE B-39. Puget Sound commercial net and troll fishery salmon catches in numbers of fish.^{a/} (Page 2 of 2)

| Year or Average | Fishery | Chinook | Coho | Pink ^{b/} | Chum | Sockeye |
|--------------------|---------------|---------|---------|--------------------|-----------|-----------|
| 2003 ^{c/} | Non-Indian | 8,567 | 18,105 | 683,393 | 764,132 | 90,618 |
| | Treaty Indian | 84,680 | 244,091 | 556,943 | 814,212 | 183,670 |
| | Total | 93,247 | 262,196 | 1,240,336 | 1,578,344 | 274,288 |
| 2004 ^{c/} | Non-Indian | 5,042 | 39,481 | 4 | 1,174,295 | 81,031 |
| | Treaty Indian | 99,741 | 529,668 | 712 | 934,155 | 137,699 |
| | Total | 104,783 | 569,149 | 716 | 2,108,450 | 218,730 |
| 2005 ^{c/} | Non-Indian | 6,236 | 19,694 | 144,567 | 383,127 | 65,931 |
| | Treaty Indian | 86,071 | 296,637 | 243,012 | 351,416 | 141,747 |
| | Total | 92,307 | 316,331 | 387,579 | 734,543 | 207,678 |
| 2006 ^{c/} | Non-Indian | 13,300 | 9,827 | 6 | 877,791 | 223,908 |
| | Treaty Indian | 134,604 | 292,448 | 613 | 628,271 | 543,546 |
| | Total | 147,904 | 302,275 | 619 | 1,506,062 | 767,454 |
| 2007 ^{c/} | Non-Indian | 6,785 | 13,435 | 200,687 | 680,385 | 6,266 |
| | Treaty Indian | 120,247 | 209,677 | 301,846 | 782,678 | 6,327 |
| | Total | 127,032 | 223,112 | 502,533 | 1,463,063 | 12,593 |
| 2008 ^{c/} | Non-Indian | 6,103 | 6,464 | 14 | 449,348 | 16,319 |
| | Treaty Indian | 103,295 | 227,459 | 744 | 575,727 | 44,865 |
| | Total | 109,398 | 233,923 | 758 | 1,025,075 | 61,184 |
| 2009 ^{c/} | Non-Indian | 2,753 | 20,091 | 2,789,870 | 294,841 | 1,605 |
| | Treaty Indian | 87,350 | 259,634 | 1,947,980 | 355,615 | 2,949 |
| | Total | 90,103 | 279,725 | 4,737,850 | 650,456 | 4,554 |
| 2010 ^{c/} | Non-Indian | 7,922 | 18,220 | 309 | 416,252 | 749,668 |
| | Treaty Indian | 87,882 | 154,884 | 1,828 | 557,910 | 1,165,605 |
| | Total | 95,804 | 173,104 | 2,137 | 974,162 | 1,915,273 |
| 2011 ^{c/} | Non-Indian | 10,097 | 28,821 | 2,266,672 | 463,116 | 86,908 |
| | Treaty Indian | 100,515 | 222,483 | 2,267,080 | 580,228 | 198,832 |
| | Total | 110,612 | 251,304 | 4,533,752 | 1,043,344 | 285,740 |

a/ Data does not reflect treaty Indian allocations. Includes U.S. and Canadian-origin salmon and fish caught in test fisheries.

b/ Odd-year averages for pink salmon.

c/ Preliminary.

TABLE B-40. Summary of Puget Sound marine recreational salmon catch estimates in numbers of fish from catch record cards.^{a/}

| Year or Average | Chinook | Coho | Pink ^{b/} |
|--------------------|---------|---------|--------------------|
| 1971-1975 | 225,650 | 119,301 | 14,855 |
| 1976-1980 | 253,763 | 202,983 | 47,029 |
| 1981-1985 | 156,183 | 196,632 | 14,910 |
| 1986-1990 | 127,860 | 251,087 | 40,884 |
| 1991-1995 | 77,310 | 137,637 | 71,030 |
| 1996 | 72,069 | 85,139 | 50 |
| 1997 | 60,425 | 137,571 | 35,197 |
| 1998 | 26,114 | 89,520 | 201 |
| 1999 | 28,739 | 22,055 | 23,780 |
| 2000 | 23,679 | 74,934 | 17 |
| 2001 | 44,422 | 193,454 | 117,367 |
| 2002 | 30,743 | 66,576 | 31 |
| 2003 | 30,349 | 92,114 | 143,248 |
| 2004 | 26,727 | 83,708 | 138 |
| 2005 | 22,879 | 58,309 | 68,546 |
| 2006 | 28,582 | 26,688 | 19 |
| 2007 | 48,726 | 65,306 | 93,251 |
| 2008 | 31,092 | 23,794 | 4 |
| 2009 | 31,685 | 75,684 | 156,901 |
| 2010 ^{c/} | 37,073 | 27,654 | 32 |
| 2011 ^{c/} | NA | NA | NA |

a/ WDFW Statistical Areas 5 through 13, which include the Strait of Juan de Fuca, San Juan Islands, and inner Puget Sound. 1981-1987: Adjusted all Puget Sound and freshwater estimates by 0.833, due to previous estimates being 20% too high. 1988: Area 5, no adjustment. Areas 6-13 adjusted by 0.633, due to estimates being 58% too high. 1989-Present: Area 5, no adjustment. Areas 6-13 adjusted by 0.685, due to estimates being 46% too high. 1991, 1992, and 1993 catch record card estimates adjusted for results of 1987-1990 WDFW/tribal sports emphasis study.

b/ Odd-year averages for pink salmon.

c/ Preliminary.

TABLE B-41. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound Chinook stocks.^{a/}
(Page 1 of 3)

| Year or Average | Commercial Net Catches | | | Spawning Escapement | | | Puget Sound Run Size ^{c/} | | |
|-------------------------------|------------------------|-----------------------|--------|---------------------|-----------------------|--------|------------------------------------|-----------------------|---------|
| | Hatchery | Natural ^{b/} | Total | Hatchery | Natural ^{b/} | Total | Hatchery | Natural ^{b/} | Total |
| Strait of Juan de Fuca | | | | | | | | | |
| 1981-1985 | 57 | 126 | 183 | 811 | 1,450 | 2,261 | 868 | 1,576 | 2,444 |
| 1986-1990 | 136 | 456 | 591 | 1,276 | 4,755 | 6,031 | 1,411 | 5,211 | 6,622 |
| 1991-1995 | 69 | 109 | 178 | 979 | 2,390 | 3,369 | 1,048 | 2,499 | 3,547 |
| 1996-2000 | 8 | 16 | 24 | 1,193 | 2,236 | 3,429 | 1,201 | 2,252 | 3,453 |
| 2001 | 4 | 5 | 9 | 1,660 | 1,947 | 3,607 | 1,664 | 1,952 | 3,616 |
| 2002 | 5 | 7 | 12 | 1,558 | 2,182 | 3,740 | 1,563 | 2,189 | 3,752 |
| 2003 | 7 | 16 | 23 | 1,258 | 2,787 | 4,045 | 1,265 | 2,803 | 4,068 |
| 2004 | 6 | 17 | 23 | 1,364 | 4,033 | 5,397 | 1,370 | 4,050 | 5,420 |
| 2005 | 6 | 9 | 15 | 1,401 | 2,083 | 3,484 | 1,407 | 2,092 | 3,499 |
| 2006 | 8 | 15 | 23 | 1,234 | 3,145 | 4,379 | 1,242 | 3,160 | 4,402 |
| 2007 | 3 | 4 | 7 | 769 | 1,353 | 2,122 | 772 | 1,357 | 2,129 |
| 2008 | 12 | 23 | 35 | 683 | 1,182 | 1,865 | 695 | 1,205 | 1,900 |
| 2009 | 1 | 10 | 11 | 1,530 | 1,254 | 2,784 | 1,531 | 1,264 | 2,795 |
| 2010 ^{d/} | 11 | 72 | 83 | 737 | 2,518 | 3,255 | 748 | 2,590 | 3,338 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | | 5,300 | | | |
| Nooksack-Samish | | | | | | | | | |
| 1981-1985 | 54,054 | 33,567 | 87,621 | 16,083 | 6,541 | 22,623 | 70,137 | 40,107 | 110,244 |
| 1986-1990 | 38,058 | 26,273 | 64,330 | 10,729 | 4,127 | 14,856 | 48,786 | 30,400 | 79,186 |
| 1991-1995 | 18,245 | 2,302 | 20,548 | 8,646 | 740 | 9,386 | 26,891 | 3,042 | 29,933 |
| 1996-2000 | 20,298 | 4,662 | 24,960 | 8,263 | 2,611 | 10,874 | 28,561 | 7,274 | 35,834 |
| 2001 | 21,205 | 28,241 | 49,446 | 6,306 | 9,876 | 16,182 | 27,511 | 38,117 | 65,628 |
| 2002 | 10,313 | 28,421 | 38,734 | 4,325 | 13,593 | 17,918 | 14,638 | 42,014 | 56,652 |
| 2003 | 6,660 | 12,200 | 18,860 | 3,356 | 7,864 | 11,220 | 10,016 | 20,064 | 30,080 |
| 2004 | 4,822 | 5,814 | 10,636 | 3,097 | 4,325 | 7,422 | 7,919 | 10,139 | 18,058 |
| 2005 | 8,398 | 3,973 | 12,371 | 2,461 | 1,655 | 4,116 | 10,859 | 5,628 | 16,487 |
| 2006 | 16,193 | 9,189 | 25,382 | 3,857 | 2,699 | 6,556 | 20,050 | 11,888 | 31,938 |
| 2007 | 9,870 | 7,679 | 17,549 | 4,453 | 4,535 | 8,988 | 14,323 | 12,214 | 26,537 |
| 2008 | 13,577 | 5,772 | 19,349 | 6,271 | 3,516 | 9,787 | 19,848 | 9,288 | 29,136 |
| 2009 | 4,974 | 6,377 | 11,351 | 3,494 | 6,054 | 9,548 | 8,468 | 12,431 | 20,899 |
| 2010 ^{d/} | 23,275 | 1,186 | 24,461 | 15,873 | 865 | 16,738 | 39,148 | 2,051 | 41,199 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | | 1,800 | | | |

TABLE B-41. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound Chinook stocks.^{a/} (Page 2 of 3)

| Year or Average | Commercial Net Catches | | | Spawning Escapement | | | Puget Sound Run Size ^{c/} | | |
|--------------------|------------------------|-----------------------|--------|---------------------|-----------------------|--------|------------------------------------|-----------------------|--------|
| | Hatchery | Natural ^{b/} | Total | Hatchery | Natural ^{b/} | Total | Hatchery | Natural ^{b/} | Total |
| Skagit | | | | | | | | | |
| 1981-1985 | 595 | 9,162 | 9,757 | 787 | 11,109 | 11,896 | 1,382 | 20,271 | 21,653 |
| 1986-1990 | 251 | 4,043 | 4,294 | 815 | 12,452 | 13,267 | 1,066 | 16,495 | 17,561 |
| 1991-1995 | 463 | 1,583 | 2,046 | 2,402 | 6,280 | 8,682 | 2,865 | 7,863 | 10,728 |
| 1996-2000 | 10 | 445 | 455 | 316 | 10,390 | 10,705 | 326 | 10,835 | 11,161 |
| 2001 | 3 | 249 | 252 | 150 | 13,793 | 13,943 | 153 | 14,042 | 14,195 |
| 2002 | 2 | 324 | 326 | 101 | 19,591 | 19,692 | 103 | 19,915 | 20,018 |
| 2003 | 10 | 323 | 333 | 298 | 9,777 | 10,075 | 308 | 10,100 | 10,408 |
| 2004 | 5 | 557 | 562 | 226 | 23,553 | 23,779 | 231 | 24,110 | 24,341 |
| 2005 | 41 | 2,576 | 2,617 | 331 | 20,803 | 21,134 | 372 | 23,379 | 23,751 |
| 2006 | 30 | 1,696 | 1,726 | 368 | 20,768 | 21,136 | 398 | 22,464 | 22,862 |
| 2007 | 54 | 1,658 | 1,712 | 370 | 11,281 | 11,651 | 424 | 12,939 | 13,363 |
| 2008 | 47 | 3,315 | 3,362 | 164 | 11,664 | 11,828 | 211 | 14,979 | 15,190 |
| 2009 | 57 | 5,142 | 5,199 | 77 | 6,955 | 7,032 | 134 | 12,097 | 12,231 |
| 2010 ^{d/} | 17 | 1,939 | 1,956 | 70 | 8,017 | 8,087 | 87 | 9,956 | 10,043 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | | 14,900 | | | |
| Hood Canal | | | | | | | | | |
| 1981-1985 | 4,918 | 3,649 | 8,567 | 3,787 | 2,038 | 5,824 | 8,705 | 5,686 | 14,391 |
| 1986-1990 | 10,493 | 4,938 | 15,432 | 6,189 | 2,006 | 8,195 | 16,682 | 6,944 | 23,626 |
| 1991-1995 | 1,830 | 1,021 | 2,851 | 3,946 | 1,408 | 5,355 | 5,776 | 2,430 | 8,206 |
| 1996-2000 | 3,626 | 82 | 3,708 | 11,002 | 1,606 | 12,608 | 14,629 | 1,688 | 16,317 |
| 2001 ^{d/} | 9,135 | 913 | 10,048 | 13,042 | 3,002 | 16,044 | 22,177 | 3,915 | 26,092 |
| 2002 ^{d/} | 14,851 | 220 | 15,071 | 13,451 | 1,725 | 15,176 | 28,302 | 1,945 | 30,247 |
| 2003 ^{d/} | 17,656 | 207 | 17,863 | 13,643 | 1,512 | 15,155 | 31,299 | 1,719 | 33,018 |
| 2004 ^{d/} | 14,082 | 910 | 14,992 | 15,666 | 3,663 | 19,329 | 29,748 | 4,573 | 34,321 |
| 2005 ^{d/} | 31,048 | 1,041 | 32,089 | 19,782 | 2,875 | 22,657 | 50,830 | 3,916 | 54,746 |
| 2006 ^{d/} | 22,475 | 894 | 23,369 | 15,750 | 1,549 | 17,299 | 38,225 | 2,443 | 40,668 |
| 2007 ^{d/} | 15,265 | 384 | 15,649 | 16,232 | 663 | 16,895 | 31,497 | 1,047 | 32,544 |
| 2008 ^{d/} | 15,932 | 881 | 16,813 | 14,814 | 1,439 | 16,253 | 30,746 | 2,320 | 33,066 |
| 2009 ^{d/} | 20,521 | 984 | 21,505 | 15,271 | 1,224 | 16,495 | 35,792 | 2,208 | 38,000 |
| 2010 ^{d/} | 27,631 | 773 | 28,404 | 13,957 | 1,341 | 15,298 | 41,588 | 2,114 | 43,702 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | | 3,400 | | | |

TABLE B-41. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound Chinook stocks.^{a/} (Page 3 of 3)

| Year or Average | Commercial Net Catches | | | Spawning Escapement | | | Puget Sound Run Size ^{c/} | | |
|---|------------------------|-----------------------|--------|---------------------|-----------------------|--------|------------------------------------|-----------------------|---------|
| | Hatchery | Natural ^{b/} | Total | Hatchery | Natural ^{b/} | Total | Hatchery | Natural ^{b/} | Total |
| Stillaguamish-Snohomish^{e/} | | | | | | | | | |
| 1981-1985 | 3,894 | 6,917 | 10,811 | 1,990 | 4,901 | 6,891 | 5,884 | 11,818 | 17,702 |
| 1986-1990 | 3,370 | 4,241 | 7,612 | 1,148 | 5,210 | 6,358 | 4,519 | 9,451 | 13,970 |
| 1991-1995 | 3,688 | 1,966 | 5,654 | 2,253 | 4,371 | 6,624 | 5,941 | 6,337 | 12,278 |
| 1996-2000 | 10,193 | 54 | 10,247 | 5,543 | 6,813 | 12,357 | 15,737 | 6,867 | 22,603 |
| 2001 | 5,115 | 293 | 5,408 | 872 | 9,513 | 10,385 | 5,987 | 9,806 | 15,793 |
| 2002 | 5,193 | 58 | 5,251 | 2,542 | 8,808 | 11,350 | 7,735 | 8,866 | 16,601 |
| 2003 | 8,796 | 145 | 8,941 | 5,655 | 6,435 | 12,090 | 14,451 | 6,580 | 21,031 |
| 2004 | 5,747 | 103 | 5,850 | 6,124 | 12,112 | 18,236 | 11,871 | 12,215 | 24,086 |
| 2005 | 7,370 | 241 | 7,611 | 3,592 | 5,447 | 9,039 | 10,962 | 5,688 | 16,650 |
| 2006 | 4,016 | 194 | 4,210 | 4,017 | 9,562 | 13,579 | 8,033 | 9,756 | 17,789 |
| 2007 | 3,380 | 28 | 3,408 | 6,222 | 4,769 | 10,991 | 9,602 | 4,797 | 14,399 |
| 2008 | 1,518 | 144 | 1,662 | 5,720 | 10,155 | 15,875 | 7,238 | 10,299 | 17,537 |
| 2009 | 1,309 | 173 | 1,482 | 2,422 | 3,291 | 5,713 | 3,731 | 3,464 | 7,195 |
| 2010 ^{d/} | 2,634 | 552 | 3,186 | 3,273 | 5,218 | 8,491 | 5,907 | 5,770 | 11,677 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | | 7,300 | | | |
| South Puget Sound | | | | | | | | | |
| 1981-1985 | 25,101 | 9,101 | 34,201 | 23,341 | 6,371 | 29,712 | 48,442 | 15,472 | 63,913 |
| 1986-1990 | 25,697 | 20,036 | 45,733 | 36,998 | 18,108 | 55,106 | 62,695 | 38,144 | 100,839 |
| 1991-1995 | 19,388 | 13,071 | 32,460 | 30,556 | 14,488 | 45,044 | 49,944 | 27,559 | 77,504 |
| 1996-2000 | 14,208 | 10,049 | 24,257 | 37,032 | 27,268 | 64,301 | 51,241 | 37,317 | 88,558 |
| 2001 | 21,603 | 18,557 | 40,160 | 55,026 | 42,069 | 97,095 | 76,629 | 60,626 | 137,255 |
| 2002 | 22,549 | 15,845 | 38,394 | 46,744 | 41,135 | 87,879 | 69,293 | 56,980 | 126,273 |
| 2003 | 23,916 | 13,122 | 37,038 | 33,234 | 25,457 | 58,691 | 57,150 | 38,579 | 95,729 |
| 2004 | 20,860 | 15,403 | 36,263 | 45,760 | 26,864 | 72,624 | 66,620 | 42,267 | 108,887 |
| 2005 | 21,825 | 6,496 | 28,321 | 52,049 | 12,540 | 64,589 | 73,874 | 19,036 | 92,910 |
| 2006 | 40,430 | 14,284 | 54,714 | 63,541 | 22,691 | 86,232 | 103,971 | 36,975 | 140,946 |
| 2007 | 64,716 | 13,720 | 78,436 | 75,549 | 16,389 | 91,938 | 140,265 | 30,109 | 170,374 |
| 2008 | 43,567 | 16,559 | 60,126 | 47,042 | 15,659 | 62,701 | 90,609 | 32,218 | 122,827 |
| 2009 | 33,348 | 5,302 | 38,650 | 39,336 | 7,955 | 47,291 | 72,684 | 13,257 | 85,941 |
| 2010 ^{d/} | 32,816 | 5,774 | 38,589 | 50,076 | 8,165 | 58,241 | 82,892 | 13,939 | 96,830 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | | 34,900 | | | |

a/ Includes treaty Indian and non-Indian net commercial catches during the adult accounting period. Source: Puget Sound run reconstruction model.

b/ Includes estimated off-station returns.

c/ Puget Sound run size is defined as the run available to Puget Sound net fisheries; spawning escapement plus Puget Sound net fishery catch. Does not include fish caught by troll and recreational fisheries inside Puget Sound.

d/ Preliminary.

e/ Since 1999, numbers include Tulalip hatchery returns, which are not added into escapement since no broodstock is taken at the hatchery.

TABLE B-42. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound coho stocks.^{a/} (Page 1 of 4)

| Year or Average | Commercial Net Catches ^{c/} | | | Spawning Escapement | | | Terminal Run Size ^{c/} | | |
|-------------------------------|--------------------------------------|---------|---------|------------------------|---------|--------------|---------------------------------|---------|---------|
| | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total |
| Strait of Juan de Fuca | | | | | | | | | |
| 1981-1985 | 15,822 | 2,907 | 18,729 | 9,300 | 5,960 | 15,260 | 25,122 | 8,867 | 33,989 |
| 1986-1990 | 5,956 | 2,301 | 8,258 | 2,913 | 6,920 | 9,833 | 8,869 | 9,221 | 18,091 |
| 1991-1995 | 1,872 | 286 | 2,158 | 4,316 | 4,810 | 9,126 | 6,188 | 5,096 | 11,284 |
| 1996-2000 ^{d/} | 4,117 | 811 | 4,928 | 10,276 | 12,951 | 23,227 | 15,355 | 13,999 | 29,354 |
| 2001 ^{d/} | 10,694 | 2,727 | 13,421 | 24,768 | 35,274 | 60,042 | 41,381 | 39,552 | 80,933 |
| 2002 ^{d/} | 7,680 | 1,882 | 9,562 | 10,398 | 22,375 | 32,773 | 19,894 | 24,663 | 44,557 |
| 2003 ^{d/} | 2,908 | 1,100 | 4,008 | 15,004 | 20,992 | 35,996 | 18,742 | 22,311 | 41,053 |
| 2004 ^{d/} | 3,612 | 862 | 4,474 | 5,461 | 20,986 | 26,447 | 9,956 | 22,194 | 32,150 |
| 2005 ^{d/} | 3,295 | 762 | 4,057 | 4,123 | 11,102 | 15,225 | 8,195 | 12,052 | 20,247 |
| 2006 ^{d/} | 845 | 220 | 1,065 | 596 | 3,940 | 4,536 | 1,665 | 4,224 | 5,889 |
| 2007 ^{d/} | 2,589 | 887 | 3,476 | 2,026 | 8,045 | 10,071 | 5,148 | 9,099 | 14,247 |
| 2008 ^{d/} | 663 | 169 | 832 | 692 | 3,339 | 4,031 | 1,373 | 3,511 | 4,884 |
| 2009 ^{d/} | 6,876 | 0 | 6,876 | 12,973 | 14,957 | 27,930 | 20,786 | 14,957 | 35,743 |
| 2010 ^{d/} | 2,521 | 75 | 2,596 | 4,286 | 19,282 | 23,568 | 6,583 | 20,037 | 26,620 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | | 7,000-11,000 | | | |
| Nooksack-Samish | | | | | | | | | |
| 1981-1985 | 122,433 | 17,539 | 139,972 | 27,720 | 7,700 | 35,420 | 150,153 | 25,239 | 175,392 |
| 1986-1990 | 140,733 | 21,839 | 162,572 | 23,087 | 8,020 | 31,107 | 163,821 | 29,859 | 193,680 |
| 1991-1995 | 48,056 | 13,878 | 61,934 | 19,793 | 10,835 | 30,629 | 67,849 | 24,713 | 92,563 |
| 1996-2000 ^{d/} | 36,169 | 5,272 | 41,441 | 36,920 | 7,611 | 44,530 | 75,056 | 13,577 | 88,633 |
| 2001 ^{d/} | 49,326 | 25,816 | 75,142 | 49,788 | 27,512 | 77,300 | 102,822 | 55,103 | 157,925 |
| 2002 ^{d/} | 34,705 | 16,746 | 51,451 | 45,161 | 20,313 | 65,474 | 81,534 | 38,996 | 120,530 |
| 2003 ^{d/} | 34,084 | 9,281 | 43,365 | 35,482 | 14,168 | 49,650 | 71,216 | 23,914 | 95,130 |
| 2004 ^{d/} | 70,851 | 18,771 | 89,622 | 27,625 | 11,591 | 39,216 | 99,330 | 30,671 | 130,001 |
| 2005 ^{d/} | 20,080 | 15,496 | 35,576 | 25,211 | 2,187 | 27,398 | 46,014 | 17,934 | 63,948 |
| 2006 ^{d/} | 16,932 | 4,846 | 21,778 | 8,533 | 845 | 9,378 | 25,644 | 5,966 | 31,610 |
| 2007 ^{d/} | 19,724 | 15,123 | 34,847 | 14,782 | 11,205 | 25,987 | 35,274 | 26,578 | 61,852 |
| 2008 ^{d/} | 26,260 | 2,858 | 29,118 | 6,067 | 990 | 7,057 | 32,612 | 4,055 | 36,667 |
| 2009 ^{d/} | 39,194 | 5,038 | 44,232 | 12,000 | 2,085 | 14,085 | 51,519 | 7,302 | 58,821 |
| 2010 ^{d/} | 58,127 | 38,714 | 96,841 | 15,384 | 24,582 | 39,966 | 74,396 | 63,570 | 137,966 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | 17,900 | | | | | |

TABLE B-42. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound coho stocks. ^{a/}
(Page 2 of 4)

| Year or Average | Commercial Net Catches ^{c/} | | | Spawning Escapement | | | Terminal Run Size ^{c/} | | |
|-------------------------|--------------------------------------|---------|--------|------------------------|---------|---------|---------------------------------|---------|---------|
| | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total |
| Skagit | | | | | | | | | |
| 1981-1985 | 6,619 | 8,858 | 15,477 | 21,740 | 19,800 | 41,540 | 28,359 | 28,658 | 57,017 |
| 1986-1990 | 5,309 | 11,448 | 16,757 | 13,861 | 25,800 | 39,661 | 19,170 | 37,248 | 56,418 |
| 1991-1995 | 1,338 | 1,739 | 3,077 | 11,082 | 14,240 | 25,322 | 12,420 | 15,979 | 28,399 |
| 1996-2000 ^{d/} | 738 | 5,909 | 6,647 | 10,166 | 42,139 | 52,306 | 11,251 | 50,571 | 61,822 |
| 2001 ^{d/} | 1,658 | 17,933 | 19,591 | 16,852 | 87,017 | 103,869 | 20,390 | 115,647 | 136,037 |
| 2002 ^{d/} | 2,204 | 11,742 | 13,946 | 19,098 | 55,968 | 75,066 | 22,241 | 70,754 | 92,995 |
| 2003 ^{d/} | 3,803 | 19,034 | 22,837 | 8,587 | 88,712 | 97,299 | 13,098 | 114,384 | 127,482 |
| 2004 ^{d/} | 7,493 | 27,884 | 35,377 | 11,822 | 118,490 | 130,312 | 19,844 | 151,013 | 170,857 |
| 2005 ^{d/} | 3,249 | 16,054 | 19,303 | 12,139 | 34,713 | 46,852 | 16,086 | 53,080 | 69,166 |
| 2006 ^{d/} | 1,148 | 4,288 | 5,436 | 1,927 | 7,702 | 9,629 | 3,276 | 12,797 | 16,073 |
| 2007 ^{d/} | 1,833 | 15,098 | 16,931 | 11,536 | 51,972 | 63,508 | 14,276 | 71,159 | 85,435 |
| 2008 ^{d/} | 1,781 | 6,856 | 8,637 | 11,062 | 24,093 | 35,155 | 13,342 | 32,036 | 45,378 |
| 2009 ^{d/} | 1,947 | 7,572 | 9,519 | 11,018 | 60,798 | 71,816 | 13,720 | 72,677 | 86,397 |
| 2010 ^{d/} | 2,062 | 23,062 | 25,124 | 4,570 | 31,090 | 35,660 | 6,994 | 56,616 | 63,610 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | 14,875-25,000 | | | | | | | | |
| Hood Canal | | | | | | | | | |
| 1981-1985 | 36,470 | 21,180 | 57,650 | 19,020 | 23,589 | 42,609 | 55,490 | 44,769 | 100,259 |
| 1986-1990 | 42,838 | 21,862 | 64,699 | 14,711 | 18,328 | 33,039 | 57,549 | 40,190 | 97,738 |
| 1991-1995 | 13,334 | 673 | 14,007 | 14,792 | 30,048 | 44,840 | 28,126 | 30,721 | 58,847 |
| 1996-2000 ^{d/} | 5,969 | 6,841 | 12,810 | 23,067 | 55,411 | 78,478 | 30,110 | 62,967 | 93,077 |
| 2001 ^{d/} | 10,320 | 10,342 | 20,662 | 39,237 | 94,579 | 133,816 | 68,478 | 110,005 | 178,483 |
| 2002 ^{d/} | 9,759 | 8,382 | 18,141 | 39,330 | 69,296 | 108,626 | 58,795 | 81,031 | 139,826 |
| 2003 ^{d/} | 9,625 | 23,788 | 33,413 | 33,221 | 172,345 | 205,566 | 51,243 | 199,871 | 251,114 |
| 2004 ^{d/} | 19,381 | 67,307 | 86,688 | 27,171 | 146,873 | 174,044 | 55,851 | 219,694 | 275,545 |
| 2005 ^{d/} | 34,877 | 26,835 | 61,712 | 33,991 | 38,066 | 72,057 | 77,655 | 68,303 | 145,958 |
| 2006 ^{d/} | 24,542 | 34,126 | 58,668 | 3,883 | 13,665 | 17,548 | 32,106 | 49,718 | 81,824 |
| 2007 ^{d/} | 19,357 | 29,356 | 48,713 | 8,540 | 46,658 | 55,198 | 30,222 | 78,586 | 108,808 |
| 2008 ^{d/} | 27,332 | 12,720 | 40,052 | 8,044 | 11,756 | 19,800 | 38,492 | 25,814 | 64,306 |
| 2009 ^{d/} | 43,391 | 14,167 | 57,558 | 11,421 | 26,927 | 38,348 | 59,148 | 42,418 | 101,566 |
| 2010 ^{d/} | 15,441 | 8,003 | 23,444 | 8,627 | 4,697 | 13,324 | 25,048 | 12,908 | 37,956 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | 10,750-14,350 | | | | | | | | |

TABLE B-42. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound coho stocks. ^{a/}
(Page 3 of 4)

| Year or Average | Commercial Net Catches ^{c/} | | | Spawning Escapement | | | Terminal Run Size ^{c/} | | |
|-------------------------|--------------------------------------|---------|---------|------------------------|---------------|---------|---------------------------------|---------|---------|
| | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total |
| Stillaguamish | | | | | | | | | |
| 1981-1985 | 0 | 9,492 | 9,492 | 0 | 13,592 | 13,592 | 0 | 23,572 | 23,572 |
| 1986-1990 | 0 | 20,495 | 20,495 | 0 | 15,886 | 15,886 | 0 | 36,983 | 36,983 |
| 1991-1995 | 27 | 5,132 | 5,159 | 94 | 15,717 | 15,811 | 124 | 21,231 | 21,355 |
| 1996-2000 ^{d/} | 18 | 1,286 | 1,303 | 35 | 16,770 | 16,806 | 62 | 19,273 | 19,335 |
| 2001 ^{d/} | 21 | 3,728 | 3,749 | 100 | 74,773 | 74,873 | 129 | 81,839 | 81,968 |
| 2002 ^{d/} | 5 | 2,622 | 2,627 | 60 | 27,305 | 27,365 | 67 | 30,395 | 30,462 |
| 2003 ^{d/} | 1 | 1,454 | 1,455 | 24 | 45,691 | 45,715 | 26 | 49,817 | 49,843 |
| 2004 ^{d/} | 14 | 7,391 | 7,405 | 128 | 65,228 | 65,356 | 145 | 73,861 | 74,006 |
| 2005 ^{d/} | 5 | 2,702 | 2,707 | 44 | 25,141 | 25,185 | 51 | 29,146 | 29,197 |
| 2006 ^{d/} | 0 | 2,845 | 2,845 | 0 | 8,549 | 8,549 | 0 | 11,780 | 11,780 |
| 2007 ^{d/} | 15 | 3,637 | 3,652 | 160 | 38,732 | 38,892 | 187 | 45,181 | 45,368 |
| 2008 ^{d/} | 1 | 2,243 | 2,244 | 5 | 12,938 | 12,943 | 6 | 15,346 | 15,352 |
| 2009 ^{d/} | 0 | 2,284 | 2,284 | 0 | 22,179 | 22,179 | 0 | 27,380 | 27,380 |
| 2010 ^{d/} | 7 | 568 | 575 | 71 | 15,172 | 15,243 | 80 | 16,199 | 16,279 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | 6,100-10,000 | | | | |
| Snohomish | | | | | | | | | |
| 1981-1985 | 25,601 | 31,346 | 56,947 | 11,767 | 83,460 | 95,227 | 37,914 | 117,513 | 155,426 |
| 1986-1990 | 48,719 | 75,429 | 124,148 | 26,350 | 94,156 | 120,507 | 75,971 | 173,208 | 249,179 |
| 1991-1995 | 36,652 | 26,247 | 62,900 | 23,634 | 84,503 | 108,137 | 61,054 | 114,178 | 175,232 |
| 1996-2000 ^{d/} | 31,493 | 4,900 | 36,393 | 21,206 | 83,292 | 104,498 | 55,392 | 97,133 | 152,525 |
| 2001 ^{d/} | 58,354 | 13,409 | 71,763 | 37,222 | 261,550 | 298,772 | 100,574 | 294,379 | 394,953 |
| 2002 ^{d/} | 49,482 | 15,733 | 65,215 | 11,798 | 161,441 | 173,239 | 64,069 | 185,092 | 249,161 |
| 2003 ^{d/} | 1,996 | 5,836 | 7,832 | 14,901 | 182,599 | 197,500 | 18,311 | 199,906 | 218,217 |
| 2004 ^{d/} | 52,032 | 29,168 | 81,200 | 13,856 | 252,767 | 266,623 | 66,966 | 291,458 | 358,424 |
| 2005 ^{d/} | 21,867 | 11,856 | 33,723 | 13,583 | 109,020 | 122,603 | 36,676 | 127,890 | 164,566 |
| 2006 ^{d/} | 4,898 | 24,081 | 28,979 | 6,136 | 75,630 | 81,766 | 11,224 | 102,050 | 113,274 |
| 2007 ^{d/} | 15,248 | 10,984 | 26,232 | 7,126 | 117,736 | 124,862 | 23,207 | 136,680 | 159,887 |
| 2008 ^{d/} | 31,224 | 6,521 | 37,745 | 3,329 | 36,015 | 39,344 | 34,744 | 44,603 | 79,347 |
| 2009 ^{d/} | 19,495 | 8,855 | 28,350 | 11,472 | 98,945 | 110,417 | 33,161 | 115,650 | 148,811 |
| 2010 ^{d/} | 1,402 | 327 | 1,729 | 3,030 | 49,100 | 52,130 | 3,493 | 52,383 | 55,876 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | 31,000-50,000 | | | | |

TABLE B-42. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound coho stocks. ^{a/}
(Page 4 of 4)

| Year or Average | Commercial Net Catches ^{c/} | | | Spawning Escapement | | | Terminal Run Size ^{c/} | | |
|--------------------------|--------------------------------------|---------|---------|------------------------|---------|---------|---------------------------------|---------|---------|
| | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total |
| South Puget Sound | | | | | | | | | |
| 1981-1985 | 328,516 | 141,229 | 469,745 | 76,560 | 38,510 | 115,070 | 405,076 | 179,738 | 584,815 |
| 1986-1990 | 509,525 | 211,476 | 721,001 | 69,198 | 28,882 | 98,080 | 578,723 | 240,358 | 819,081 |
| 1991-1995 | 137,961 | 56,462 | 194,423 | 97,002 | 23,945 | 120,947 | 234,963 | 80,407 | 315,370 |
| 1996-2000 ^{d/} | 57,648 | 29,324 | 86,972 | 73,685 | 28,337 | 102,022 | 140,763 | 62,893 | 203,656 |
| 2001 ^{d/} | 110,328 | 60,548 | 170,876 | 127,179 | 37,688 | 164,867 | 261,942 | 107,969 | 369,911 |
| 2002 ^{d/} | 96,471 | 34,214 | 130,685 | 115,145 | 18,296 | 133,441 | 223,889 | 55,536 | 279,425 |
| 2003 ^{d/} | 95,300 | 32,510 | 127,810 | 94,890 | 51,654 | 146,544 | 210,062 | 94,350 | 304,412 |
| 2004 ^{d/} | 172,372 | 48,095 | 220,467 | 133,614 | 43,147 | 176,761 | 317,083 | 98,809 | 415,892 |
| 2005 ^{d/} | 109,652 | 32,146 | 141,798 | 83,761 | 33,620 | 117,381 | 206,249 | 72,449 | 278,698 |
| 2006 ^{d/} | 114,496 | 29,436 | 143,932 | 47,625 | 21,449 | 69,074 | 166,886 | 55,795 | 222,681 |
| 2007 ^{d/} | 61,483 | 24,192 | 85,675 | 55,407 | 31,224 | 86,631 | 126,413 | 63,775 | 190,188 |
| 2008 ^{d/} | 98,520 | 13,830 | 112,350 | 52,340 | 17,797 | 70,137 | 156,906 | 35,642 | 192,548 |
| 2009 ^{d/} | 82,117 | 23,638 | 105,755 | 53,969 | 25,997 | 79,966 | 156,534 | 65,754 | 222,288 |
| 2010 ^{d/} | 17,443 | 7,293 | 24,736 | 20,309 | 10,366 | 30,675 | 40,725 | 19,898 | 60,623 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | 52,000 | | | | | |

a/ Includes treaty Indian and non-Indian net commercial catches during the adult accounting period. Source: Puget Sound run reconstruction model.

b/ Includes estimated off-station returns.

c/ Terminal run size is defined as the run to terminal marine areas; spawning escapement plus sport and commercial net catch (inriver and terminal fishery catch). Prior to 1996, estimates are Puget Sound run size, which is defined as the run available to Puget Sound net fisheries; spawning escapement plus commercial net catch (inriver, terminal, and pre-terminal Puget Sound net fishery catch), but not including fish caught in Puget Sound troll and recreational fisheries.

d/ Preliminary.

TABLE B-43. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound pink stocks.^{a/} (Page 1 of 4)

| Year or Average | Commercial Net Catches | | | Spawning Escapement | | | Puget Sound Run Size ^{c/} | | |
|-------------------------------|------------------------|---------|--------|------------------------|---------|---------|------------------------------------|---------|---------|
| | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total |
| Strait of Juan de Fuca | | | | | | | | | |
| 1981 | 0 | 295 | 295 | 0 | 3,100 | 3,100 | 0 | 3,395 | 3,395 |
| 1983 | 0 | 144 | 144 | 0 | 5,088 | 5,088 | 0 | 5,232 | 5,232 |
| 1985 | 0 | 58 | 58 | 0 | 4,830 | 4,830 | 0 | 4,888 | 4,888 |
| 1987 | 3 | 158 | 161 | 47 | 1,956 | 2,003 | 50 | 2,114 | 2,164 |
| 1989 | 0 | 1,053 | 1,053 | 0 | 10,903 | 10,903 | 0 | 11,956 | 11,956 |
| 1991 | 0 | 1,129 | 1,129 | 0 | 9,896 | 9,896 | 0 | 11,025 | 11,025 |
| 1993 | 0 | 91 | 91 | 0 | 1,696 | 1,696 | 0 | 1,787 | 1,787 |
| 1995 | 4 | 262 | 266 | 100 | 8,254 | 8,354 | 104 | 8,516 | 8,620 |
| 1997 | 8 | 538 | 546 | 71 | 4,953 | 5,024 | 79 | 5,491 | 5,570 |
| 1999 | 0 | 6 | 6 | 0 | 7,306 | 7,306 | 0 | 7,312 | 7,312 |
| 2001 | 3 | 578 | 581 | 469 | 80,949 | 81,418 | 472 | 81,527 | 81,999 |
| 2003 | 0 | 282 | 282 | 0 | 15,148 | 15,148 | 0 | 15,430 | 15,430 |
| 2005 ^{d/} | 0 | 241 | 241 | 0 | 8,688 | 8,688 | 0 | 8,929 | 8,929 |
| 2007 ^{d/} | 0 | 147 | 147 | 0 | 6,251 | 6,251 | 0 | 6,398 | 6,398 |
| 2009 ^{d/} | 0 | 2,711 | 2,711 | 0 | 41,533 | 41,533 | 0 | 44,244 | 44,244 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL ^{e/} | Not Agreed Upon | | | | | | | | |
| Nooksack-Samish | | | | | | | | | |
| 1981 | 0 | 21,659 | 21,659 | 0 | 26,814 | 26,814 | 0 | 48,473 | 48,473 |
| 1983 | 0 | 13,321 | 13,321 | 0 | 66,966 | 66,966 | 0 | 80,287 | 80,287 |
| 1985 | 0 | 6,204 | 6,204 | 0 | 24,914 | 24,914 | 0 | 31,118 | 31,118 |
| 1987 | 0 | 5,069 | 5,069 | 0 | 32,685 | 32,685 | 0 | 37,754 | 37,754 |
| 1989 | 237 | 24,727 | 24,964 | 1,200 | 126,006 | 127,206 | 1,437 | 150,733 | 152,170 |
| 1991 | 0 | 21,852 | 21,852 | 0 | 21,304 | 21,304 | 0 | 43,156 | 43,156 |
| 1993 | 0 | 4,323 | 4,323 | 0 | 51,680 | 51,680 | 0 | 56,003 | 56,003 |
| 1995 | 0 | 13,532 | 13,532 | 0 | 207,112 | 207,112 | 0 | 220,644 | 220,644 |
| 1997 | 0 | 4,152 | 4,152 | 0 | 26,000 | 26,000 | 0 | 30,152 | 30,152 |
| 1999 | 0 | 2,478 | 2,478 | 0 | 95,000 | 95,000 | 0 | 97,478 | 97,478 |
| 2001 | 215 | 13,735 | 13,950 | 3,714 | 226,000 | 229,714 | 3,929 | 239,735 | 243,664 |
| 2003 | 338 | 2,400 | 2,738 | 7,264 | 51,011 | 58,275 | 7,602 | 53,411 | 61,013 |
| 2005 ^{d/} | 259 | 1,975 | 2,234 | 1,791 | 13,627 | 15,418 | 2,050 | 15,602 | 17,652 |
| 2007 ^{d/} | 17 | 1,124 | 1,141 | 276 | 18,992 | 19,268 | 293 | 20,116 | 20,409 |
| 2009 ^{d/} | 283 | 6,283 | 6,566 | 2,096 | 46,603 | 48,699 | 2,379 | 52,886 | 55,265 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL ^{e/} | 50,000 | | | | | | | | |

TABLE B-43. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound pink stocks.^{a/}
(Page 2 of 4)

| Year or Average | Commercial Net Catches | | | Spawning Escapement | | | Puget Sound Run Size ^{c/} | | |
|--------------------|------------------------|---------|---------|------------------------|-----------------|-----------|------------------------------------|-----------|-----------|
| | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total |
| Skagit | | | | | | | | | |
| 1981 | 403 | 150,626 | 151,029 | 268 | 100,268 | 100,536 | 671 | 250,894 | 251,565 |
| 1983 | 4 | 19,023 | 19,027 | 128 | 470,128 | 470,256 | 132 | 489,151 | 489,283 |
| 1985 | 9 | 229,993 | 230,002 | 30 | 710,030 | 710,060 | 39 | 940,023 | 940,062 |
| 1987 | 1,090 | 421,176 | 422,266 | 1,535 | 593,535 | 595,070 | 2,625 | 1,014,711 | 1,017,336 |
| 1989 | 8 | 661,061 | 661,069 | 5 | 401,300 | 401,305 | 13 | 1,062,361 | 1,062,374 |
| 1991 | 0 | 188,927 | 188,927 | 0 | 351,000 | 351,000 | 0 | 539,927 | 539,927 |
| 1993 | 0 | 180,088 | 180,088 | 0 | 530,000 | 530,000 | 0 | 710,088 | 710,088 |
| 1995 | 0 | 568,561 | 568,561 | 0 | 857,000 | 857,000 | 0 | 1,425,561 | 1,425,561 |
| 1997 | 0 | 57,710 | 57,710 | 0 | 60,000 | 60,000 | 0 | 117,710 | 117,710 |
| 1999 | 0 | 32,626 | 32,626 | 0 | 320,000 | 320,000 | 0 | 352,626 | 352,626 |
| 2001 | 0 | 206,533 | 206,533 | 0 | 894,061 | 894,061 | 0 | 1,100,594 | 1,100,594 |
| 2003 | 0 | 232,732 | 232,732 | 0 | 567,080 | 567,080 | 0 | 799,812 | 799,812 |
| 2005 ^{d/} | 0 | 20,147 | 20,147 | 0 | 60,000 | 60,000 | 0 | 80,147 | 80,147 |
| 2007 ^{d/} | 0 | 13,154 | 13,154 | 0 | 300,000 | 300,000 | 0 | 313,154 | 313,154 |
| 2009 ^{d/} | 0 | 396,928 | 396,928 | 0 | 1,160,000 | 1,160,000 | 0 | 1,556,928 | 1,556,928 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL ^{e/} | | | | | 330,000 | | | | |
| Hood Canal | | | | | | | | | |
| 1981 | 380 | 1,241 | 1,621 | 1,557 | 6,551 | 8,108 | 1,937 | 7,792 | 9,729 |
| 1983 | 50 | 831 | 881 | 503 | 25,201 | 25,704 | 553 | 26,032 | 26,585 |
| 1985 | 138 | 2,854 | 2,992 | 1,456 | 64,101 | 65,557 | 1,594 | 66,955 | 68,549 |
| 1987 | 1,855 | 6,942 | 8,797 | 8,056 | 62,220 | 70,276 | 9,911 | 69,162 | 79,073 |
| 1989 | 7,799 | 26,946 | 34,745 | 2,500 | 60,970 | 63,470 | 10,299 | 87,916 | 98,215 |
| 1991 | 409 | 13,518 | 13,927 | 3,300 | 118,450 | 121,750 | 3,709 | 131,968 | 135,677 |
| 1993 | 623 | 1,917 | 2,540 | 11,497 | 35,647 | 47,144 | 12,120 | 37,564 | 49,684 |
| 1995 | 1,565 | 994 | 2,559 | 24,665 | 31,306 | 55,971 | 26,230 | 32,300 | 58,530 |
| 1997 | 2,436 | 910 | 3,346 | 21,493 | 8,363 | 29,856 | 23,929 | 9,273 | 33,202 |
| 1999 | 18 | 10 | 28 | 7,617 | 12,667 | 20,284 | 7,635 | 12,677 | 20,312 |
| 2001 | 713 | 703 | 1,416 | 71,539 | 98,338 | 169,877 | 72,252 | 99,041 | 171,293 |
| 2003 | 464 | 691 | 1,155 | 25,217 | 37,531 | 62,748 | 25,681 | 38,222 | 63,903 |
| 2005 ^{d/} | 98 | 121 | 219 | 14,116 | 17,481 | 31,597 | 14,214 | 17,602 | 31,816 |
| 2007 ^{d/} | 101 | 677 | 778 | 4,306 | 29,001 | 33,307 | 4,407 | 29,678 | 34,085 |
| 2009 ^{d/} | 2,670 | 1,230 | 3,900 | 22,943 | 10,575 | 33,518 | 25,613 | 11,805 | 37,418 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL ^{e/} | | | | | Not Agreed Upon | | | | |

TABLE B-43. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound pink stocks.^{a/}
(Page 3 of 4)

| Year or Average | Commercial Net Catches | | | Spawning Escapement | | | Puget Sound Run Size ^{c/} | | |
|------------------------------------|------------------------|---------|---------|------------------------|-----------|-----------|------------------------------------|-----------|-----------|
| | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total | Hatchery ^{b/} | Natural | Total |
| Stillaguamish-Snohomish | | | | | | | | | |
| 1981 | 40 | 49,480 | 49,520 | 96 | 108,096 | 108,192 | 136 | 157,576 | 157,712 |
| 1983 | 51 | 57,452 | 57,503 | 283 | 324,383 | 324,666 | 334 | 381,835 | 382,169 |
| 1985 | 63 | 175,095 | 175,158 | 192 | 502,192 | 502,384 | 255 | 677,287 | 677,542 |
| 1987 | 173 | 111,881 | 112,054 | 418 | 271,418 | 271,836 | 591 | 383,299 | 383,890 |
| 1989 | 33 | 354,805 | 354,838 | 16 | 150,549 | 150,565 | 49 | 505,354 | 505,403 |
| 1991 | 139 | 82,150 | 82,289 | 447 | 260,000 | 260,447 | 586 | 342,150 | 342,736 |
| 1993 | 13 | 21,444 | 21,457 | 135 | 210,000 | 210,135 | 148 | 231,444 | 231,592 |
| 1995 | 5 | 33,871 | 33,876 | 26 | 309,600 | 309,626 | 31 | 343,471 | 343,502 |
| 1997 | 0 | 59,173 | 59,173 | 0 | 192,109 | 192,109 | 0 | 251,282 | 251,282 |
| 1999 | 0 | 13,443 | 13,443 | 0 | 461,543 | 461,543 | 0 | 474,986 | 474,986 |
| 2001 | 0 | 100,015 | 100,015 | 0 | 1,847,648 | 1,847,648 | 0 | 1,947,663 | 1,947,663 |
| 2003 | 0 | 187,286 | 187,286 | 0 | 1,577,001 | 1,577,001 | 0 | 1,764,287 | 1,764,287 |
| 2005 ^{d/} | 0 | 19,193 | 19,193 | 0 | 600,124 | 600,124 | 0 | 619,317 | 619,317 |
| 2007 ^{d/} | 0 | 54,082 | 54,082 | 0 | 1,383,591 | 1,383,591 | 0 | 1,437,673 | 1,437,673 |
| 2009 ^{d/} | 0 | 706,958 | 706,958 | 0 | 2,882,373 | 2,882,373 | 0 | 3,589,331 | 3,589,331 |
| 2011 ^{d/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL ^{e/} - Stillaguamish | | | | | 155,000 | | | | |
| GOAL ^{e/} - Snohomish | | | | | 120,000 | | | | |
| South Puget Sound | | | | | | | | | |
| 1981 | 1,569 | 9,818 | 11,387 | 791 | 12,715 | 13,506 | 2,360 | 22,533 | 24,893 |
| 1983 | 492 | 11,265 | 11,757 | 149 | 12,200 | 12,349 | 641 | 23,465 | 24,106 |
| 1985 | 119 | 5,335 | 5,454 | 13 | 34,700 | 34,713 | 132 | 40,035 | 40,167 |
| 1987 | 15 | 9,386 | 9,401 | 3 | 42,200 | 42,203 | 18 | 51,586 | 51,604 |
| 1989 | 361 | 36,999 | 37,360 | 452 | 62,220 | 62,672 | 813 | 99,219 | 100,032 |
| 1991 | 357 | 5,037 | 5,394 | 346 | 15,950 | 16,296 | 703 | 20,987 | 21,690 |
| 1993 ^{f/} | 3 | 2,330 | 2,333 | 21 | 10,619 | 10,640 | 24 | 12,949 | 12,973 |
| 1995 ^{f/} | 13 | 5,163 | 5,176 | 84 | 18,278 | 18,362 | 97 | 23,441 | 23,538 |
| 1997 ^{f/} | 0 | 449 | 449 | 0 | 2,965 | 2,965 | 0 | 3,414 | 3,414 |
| 1999 ^{f/} | 0 | 80 | 80 | 12 | 4,670 | 4,682 | 12 | 4,750 | 4,762 |
| 2001 ^{f/g/} | 5 | 735 | 740 | 48 | 16,173 | 16,221 | 53 | 16,908 | 16,961 |
| 2003 ^{f/g/} | 1 | 5,393 | 5,394 | 68 | 185,277 | 185,345 | 69 | 190,670 | 190,739 |
| 2005 ^{d/f/g/} | 0 | 3,964 | 3,964 | 0 | 466,435 | 466,435 | 0 | 470,399 | 470,399 |
| 2007 ^{d/f/g/} | 0 | 19,162 | 19,162 | 0 | 615,678 | 615,678 | 0 | 634,840 | 634,840 |
| 2009 ^{d/f/g/} | 0 | 462,782 | 462,782 | 0 | 4,091,283 | 4,091,283 | 0 | 4,554,065 | 4,554,065 |
| 2011 ^{d/f/g/} | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL ^{e/} | | | | | 25,000 | | | | |

TABLE B-43. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound pink stocks.^{a/}
(Page 4 of 4)

a/ Includes treaty Indian and non-Indian net commercial catches during the adult accounting period. Source: Puget Sound run reconstruction model.

b/ Includes estimated off-station returns.

c/ Puget Sound run size is defined as the run available to Puget Sound net fisheries; spawning escapement plus Puget Sound net fishery catch. Does not include fish caught by troll and recreational fisheries inside Puget Sound.

d/ Preliminary.

e/ State-Tribal comanager goal; the only Council goal is for a pttal Puget Sound pink salmon spawning escapement of 900,000 natural spawners.

f/ Nisqually escapement estimate incomplete.

g/ Large runs of pinks have returned to Green River in 2001, 2003, 2005, 2007, 2009, and 2011; however, no formal escapement methodology exists, and Green River pinks are not included in the run reconstruction model. When the model is revised, pre-terminal catch estimates for all stocks will be affected.

TABLE B-44. Puget Sound spring Chinook spawning escapement estimates in numbers of adult fish.

| Year or Average | Stock | | | | | | |
|--------------------|------------------------|---------|------------------------|-----------------------|-------------------|------------------------|------------------------|
| | Skagit | | NF Nooksack | | SF Nooksack | White River | Quilcene |
| | Hatchery ^{a/} | Natural | Hatchery ^{a/} | Natural ^{b/} | Hatchery/ Natural | Hatchery ^{c/} | Hatchery ^{d/} |
| 1981-1985 | 49 | 1,408 | 0 | 152 | 317 | 70 | 149 |
| 1986-1990 | 161 | 1,826 | 0 | 235 | 280 | 408 | 125 |
| 1991-1995 | 815 | 907 | 770 | 266 | 222 | 1,065 | 19 |
| 1996 | 856 | 1,051 | 1,070 | 535 | 203 | 1,625 | 12 |
| 1997 | 1,059 | 1,041 | 1,663 | 617 | 180 | 1,609 | 16 |
| 1998 | 1,050 | 1,086 | 1,280 | 370 | 157 | 2,710 | 5 |
| 1999 | 3,172 | 471 | 3,992 | 823 | 166 | 1,550 | 4 |
| 2000 | 1,102 | 1,021 | 2,052 | 1,242 | 284 | 2,363 | 0 |
| 2001 | 1,566 | 1,856 | 5,363 | 2,185 | 267 | 5,690 | 0 |
| 2002 ^{e/} | 1,663 | 1,065 | 5,649 | 3,741 | 289 | 1,780 | 0 |
| 2003 ^{e/} | 1,545 | 844 | 5,046 | 2,857 | 204 | 2,760 | 0 |
| 2004 ^{e/} | 3,107 | 1,575 | 3,501 | 1,719 | 130 | 1,115 | 0 |
| 2005 ^{e/} | 2,258 | 1,246 | 1,552 | 2,047 | 120 | 2,061 | 0 |
| 2006 ^{e/} | 1,487 | 1,896 | 732 | 1,184 | 355 | 4,321 | 0 |
| 2007 ^{e/} | 1,931 | 613 | 505 | 1,438 | 182 | 8,417 | 0 |
| 2008 ^{e/} | 1,462 | 1,470 | 1,194 | 1,266 | 443 | 4,278 | 0 |
| 2009 ^{e/} | 900 | 978 | 769 | 1,903 | 45 | 2,640 | 0 |
| 2010 ^{e/} | 1,371 | 1,361 | 1,252 | 2,044 | NA | 2,623 | 0 |
| 2011 ^{e/} | 1,301 | 825 | 1,331 | NA | NA | NA | 0 |
| GOAL | | 3,000 | | | | | |

a/ Hatchery escapement estimates include all rack returns (retained and released).

b/ Natural escapement estimates based on carcass counts expanded by a 3.48 multiplier developed from 5 years of redd count based estimates. Most natural spawners are hatchery fish spawning in the wild.

c/ This estimate includes adult Chinook returns to Hupp Springs, White River Hatchery and to the Buckley Trap.

d/ Program has been discontinued.

e/ Preliminary.

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**APPENDIX C
HISTORICAL RECORD OF OCEAN SALMON FISHERY
REGULATIONS AND A CHRONOLOGY OF 2011 EVENTS**

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TABLE C-1. Summary of actual California commercial salmon seasons in state and federal (EEZ) waters, 2001-2011.^{a/} (Page 1 of 4)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|-------------------------------|--------------------------------------|------------------------|------------|------------------------|------------|--------------------------|------|--|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho | |
| 2001 | OR/CA Border to Humboldt South Jetty | Sept. 1-30 | - | 30 | - | 26 | - | 8,000 Chinook quota, includes 2,000 guideline for CA/OR border to Humbug Mt.; 30 Chinook per vessel per day landing limit. 3,000 Chinook quota. |
| | | | | | | | | |
| | Horse Mt. to Pt. Arena | May 1-21 | - | 21 | - | 26 | - | |
| | | Sept. 1-30 | - | 30 | - | 26 | - | |
| | Pt. Arena to Pt. Reyes | June 24-30 | - | 7 | - | 26 | - | |
| | | July 1-Sept. 30 | - | 92 | - | 27 | - | |
| | Pt. Reyes to Pt. San Pedro | May 24-June 30 | - | 38 | - | 26 | - | |
| | | July 1-Sept. 30 | - | 92 | - | 27 | - | |
| | | Oct. 1-5, 8-12 | - | 10 | - | 27 | - | |
| | Pt. San Pedro to Pt. Sur | May 1-June 30 | - | 61 | - | 26 | - | |
| July 1-Aug. 14 | | - | 45 | - | 27 | - | | |
| Pt. Sur to U.S./Mexico Border | May 1-June 30 | - | 61 | - | 26 | - | | |
| | July 1-Aug. 14 | - | 45 | - | 27 | - | | |
| | Sept. 11-30 | - | 20 | - | 27 | - | | |
| 2002 | OR/CA Border to Humboldt South Jetty | Aug. 16-30 | - | 15 | - | 26 | - | 3,000 Chinook quota; 40 Chinook per vessel per day landing limit. 10,000 Chinook quota; 40 Chinook per vessel per day landing limit. 10,000 Chinook quota. |
| | | Sept. 1-20, 26-27 | - | 22 | - | 26 | - | |
| | Horse Mt. to Pt. Arena | July 20-23 | - | 4 | - | 26 | - | |
| | | Aug. 1-30 | - | 30 | - | 26 | - | |
| | | Sept. 1-30 | - | 30 | - | 26 | - | |
| | Pt. Arena to U.S./Mexico Border | May 1-Sept. 30 | - | 153 | - | 26 | - | |
| | Pt. Reyes to Pt. San Pedro | Oct. 1-4, 7-11, 14-18 | - | 14 | - | 26 | - | |
| 2003 | OR/CA Border to Humboldt South Jetty | Sept. 1-30 | - | 30 | - | 26 | - | 10,000 Chinook quota; 40 Chinook per vessel per day landing limit. 150 Chinook per vessel per day landing limit. |
| | Horse Mt. to Pt. Arena | May 1-31 | - | 31 | - | 26 | - | |
| | | July 3-14 | - | 12 | - | 26 | - | |
| | | July 18-Sept. 30 | - | 75 | - | 26 | - | |
| | Pt. Arena to U.S./Mexico Border | May 1-Sept. 30 | - | 153 | - | 26 | - | |
| Pt. Reyes to Pt. San Pedro | Oct. 1-3, 6-10, 13-17 | - | 13 | - | 26 | - | | |

TABLE C-1. Summary of actual California commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 2 of 4)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|----------------------------|--------------------------------------|------------------------|------------|------------------------|------------|--------------------------|------|--|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho | |
| 2004 | OR/CA Border to Humboldt South Jetty | Sept. 1-17 | - | 17 | - | 28 | - | 6,000 Chinook quota; 30 Chinook per vessel per day landing limit. |
| | Horse Mt. to Pt. Arena | July 10-Aug. 29 | - | 51 | - | 27 | - | |
| | | Sept. 1-30 | - | 30 | - | 28 | - | |
| | Pt. Arena to U.S./Mexico Border | May 1-June 30 | - | 61 | - | 26 | - | |
| | | July 1-Aug. 29 | - | 60 | - | 27 | - | |
| Sept. 1-30 | | - | 30 | - | 27 | - | | |
| Pt. Reyes to Pt. San Pedro | Oct. 1, 4-8, 11-15 | - | 11 | - | 26 | - | | |
| 2005 | OR/CA Border to Humboldt South Jetty | Sept. 3-16 | - | 14 | - | 28 | - | 6,000 Chinook quota; 30 Chinook per vessel per day landing limit. |
| | Horse Mt. to Pt. Arena | Sept. 1-30 | - | 30 | - | 27 | - | |
| | Pt. Arena to Pigeon Pt. | July 4-Aug. 29 | - | 57 | - | 28 | - | |
| | | Sept. 1-30 | - | 30 | - | 27 | - | |
| | Pt. Reyes to Pt. San Pedro | Oct. 3-7, 10-14 | - | 10 | - | 26 | - | |
| | Pigeon Pt. to Pt. Sur | May 1-31 | - | 31 | - | 27 | - | |
| | | July 4-Aug. 29 | - | 57 | - | 28 | - | |
| | | Sept. 1-30 | - | 30 | - | 27 | - | |
| | Pt. Sur to U.S./Mexico Border | May 1-June 30 | - | 61 | - | 27 | - | |
| | | July 1-Aug. 31 | - | 62 | - | 28 | - | |
| Sept. 1-30 | | - | 30 | - | 27 | - | | |
| 2006 | OR/CA Border to Humboldt South Jetty | Closed | - | - | - | - | - | 75 Chinook per vessel per week landing limit. 75 Chinook per vessel per week landing limit. |
| | Horse Mt. to Pt. Arena | Sept. 1-5 | - | 5 | - | 27 | - | |
| | Pt. Arena to Pigeon Pt. | July 26-Aug. 31 | - | 37 | - | 28 | - | |
| | | Sept. 1-30 | - | 30 | - | 27 | - | |
| | Pt. Reyes to Pt. San Pedro | Oct. 2-6, 9-13 | - | 10 | - | 26 | - | |
| | Pigeon Pt. to Pt. Sur | May 1-31 | - | 31 | - | 27 | - | |
| | | July 26-Aug. 31 | - | 37 | - | 28 | - | |
| | | Sept. 1-30 | - | 30 | - | 27 | - | |
| | Pt. Sur to U.S./Mexico Border | May 1-June 30 | - | 61 | - | 27 | - | |
| | | July 1-Aug. 31 | - | 62 | - | 28 | - | |
| Sept. 1-30 | | - | 30 | - | 27 | - | | |

TABLE C-1. Summary of actual California commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 3 of 4)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|------------|--------------------------------------|--------------------------|------------|------------------------|------------|--------------------------|------|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho | |
| 2007 | OR/CA Border to Humboldt South Jetty | Sept. 10-12 | - | 3 | - | 28 | - | 6,000 Chinook quota; 30 Chinook per vessel per day landing limit. |
| | Horse Mt. to Pt. Arena | April 9-13, 16-20, 23-27 | - | 15 | - | 27 | - | 2,000 Chinook quota; 20 Chinook per vessel per day Apr. 9-13, Apr. 16-20; 30 Chinook per vessel per day Apr. 23-27. |
| | | Aug. 1-29 | - | 29 | - | 28 | - | |
| | | Sept. 1-30 | - | 30 | - | 27 | - | |
| | Pt. Arena to Pigeon Pt. | May 9-31 | - | 23 | - | 27 | - | |
| | | July 1-Aug. 29 | - | 60 | - | 28 | - | |
| | | Sept. 1-30 | - | 30 | - | 27 | - | |
| | Pt. Reyes to Pt. San Pedro | Oct. 1-5, 8-12 | - | 10 | - | 27 | - | |
| | | | - | | | | | |
| | Pigeon Pt. to Pt. Sur | May 1-31 | - | 31 | - | 27 | - | |
| | | July 1-Aug. 29 | - | 60 | - | 28 | - | |
| | | Sept. 1-30 | - | 30 | - | 27 | - | |
| | Pt. Sur to U.S./Mexico Border | May 1-June 30 | - | 61 | - | 27 | - | |
| | | July 1-Aug. 31 | - | 62 | - | 28 | - | |
| Sept. 1-30 | | - | 30 | - | 27 | - | | |
| 2008 | OR/CA Border to U.S./Mexico Border | Closed | - | - | - | - | - | |
| 2009 | OR/CA Border to U.S./Mexico Border | Closed | - | - | - | - | - | |
| 2010 | OR/CA Border to Humboldt South Jetty | Closed | - | - | - | - | - | |
| | Horse Mt. to Pt. Arena | July 1-4, 8-11 | - | 8 | - | 27 | - | 18,000 Chinook quota. 9,375 Chinook quota. |
| | | July 15-29 | - | 15 | - | 27 | - | |
| | | Aug. 1-31 | - | 31 | - | 27 | - | |
| | Pt. Arena to U.S./Mexico Border | July 1-4, 8-11 | - | 8 | - | 27 | - | |

TABLE C-1. Summary of actual California commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 4 of 4)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|--------------------|--------------------------------------|--|--|----------------------------|----------------|--------------------------|----------------|---|
| | | All-Salmon- Except-Coho | All Salmon | All-Salmon- Except-Coho | All Salmon | Chinook | Coho | |
| 2011 ^{b/} | OR/CA Border to Humboldt South Jetty | July 2-6, 9-13, 16-18 | - | 13 | - | 27 | - | 1,400 Chinook quota; 15 Chinook per vessel per day landing limit. |
| | | Aug. 1-2 | - | 2 | - | 27 | - | 880 Chinook quota; 30 Chinook per vessel per day landing limit. |
| | Horse Mt. to Pt. Arena | July 23-27, July 29-Aug.29, Sept. 1-30 | - | 67 | - | 27 | - | |
| | | Pt. Arena to Pt. Sur | May 1-31, June 25-July 5 July 9-27 July 29-Sept. 30 | - - - - | 42 15 62 | - - - | 27 27 27 | - - - |
| | Pt. Reyes to Pt. San Pedro | Oct. 3-14 | - | 10 | - | 27 | - | Closed Oct. 8-9. All fish must be landed between Pt. Arena and Pigeon Pt. |
| | Pt. Sur to U.S./Mexico Border | May 1-31 | - | 31 | - | 27 | - | |
| | | June 1-24 | - | 24 | - | 27 | - | All Salmon must be landed south of Pt. San Pedro. |
| | | June 25-July 5 | - | 11 | - | 27 | - | |
| | | July 9-27 July 29-Aug. 29 | - - | 15 32 | - - | 27 27 | - - | Closed Thursdays and Fridays. |

a/ For earlier years see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-1.

b/ For detailed regulations, including inseason adjustments, see TABLE I-1.

TABLE C-2. Summary of actual California recreational ocean salmon regulations, 2001-2011.^{a/} (Page 1 of 3)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions |
|----------------------------------|-------------------------------|---|-----------------|-----------|--------------------------|------|----------------------------------|
| | | | | | Chinook | Coho | |
| 2001 | OR/CA Border to Horse Mt. | May 17-July 8 | 53 | 2 | 20 | - | No more than 4 salmon in 7 days. |
| | | July 24-Sept. 3 | 42 | 2 | 20 | - | No more than 6 salmon in 7 days. |
| | Horse Mt. to Pt. Arena | Feb. 17-May 31 | 104 | 2 | 24 | - | |
| | | June 1-Nov. 18 | 171 | 2 | 20 | - | |
| | Pt. Arena to Pigeon Pt. | Apr. 14-June 30 | 78 | 2 | 24 | - | |
| July 1-Nov. 13 | | 136 | 2 | 20 | - | | |
| Pigeon Pt. to U.S./Mexico Border | Mar. 31-June 30 | 92 | 2 | 24 | - | | |
| | July 1-Sept. 30 | 92 | 2 | 20 | - | | |
| 2002 | OR/CA Border to Horse Mt. | May 15-June 30; July 3-4; Aug. 1- Sept. 15 | 95 | 2 | 20 | - | No more than 6 salmon in 7 days. |
| | | Horse Mt. to Pt. Arena | Feb. 16-Apr. 30 | 74 | 2 | 24 | - |
| | May 1-July 7; July 20-Nov. 17 | | 189 | 2 | 20 | - | |
| | Pt. Arena to Pigeon Pt. | Apr. 13-30 | 18 | 2 | 24 | - | |
| May 1-Nov. 10 | | 194 | 2 | 20 | - | | |
| Pigeon Pt. to U.S./Mexico Border | Mar. 30-Apr. 30 | 32 | 2 | 24 | - | | |
| | May 1-Sept. 29 | 152 | 2 | 20 | - | | |
| 2003 | OR/CA Border to Horse Mt. | May 17-Sept. 14 | 121 | 2 | 20 | - | |
| | | Horse Mt. to Pt. Arena | Feb. 15-Apr. 30 | 75 | 2 | 24 | - |
| | May 1-Nov. 16 | | 200 | 2 | 20 | - | |
| | Pt. Arena to Pigeon Pt. | Apr. 12-30 | 19 | 2 | 24 | - | |
| May 1-Nov. 9 | | 193 | 2 | 20 | - | | |
| Pigeon Pt. to U.S./Mexico Border | Mar. 29-Apr. 30 | 33 | 2 | 24 | - | | |
| | May 1-Sept. 28 | 151 | 2 | 20 | - | | |

TABLE C-2. Summary of actual California recreational ocean salmon regulations, 2001-2011.^{a/} (Page 2 of 3)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions |
|----------------------------------|---------------------------|--|------|-----------|--------------------------|------|---|
| | | | | | Chinook | Coho | |
| 2004 | OR/CA Border to Horse Mt. | May 15-Sept. 12 | 121 | 2 | 20 | - | |
| | Horse Mt. to Pt. Arena | Feb. 14-Apr. 30 | 77 | 2 | 24 | - | |
| | | May 1-Nov. 14 | 198 | 2 | 20 | - | |
| | Pt. Arena to Pigeon Pt. | Apr. 17-30 | 14 | 2 | 24 | - | |
| | | May 1-Nov. 14 | 198 | 2 | 20 | - | |
| Pigeon Pt. to U.S./Mexico Border | Apr. 3-30 | 28 | 2 | 24 | - | | |
| | May 1-Oct. 3 | 156 | 2 | 20 | - | | |
| 2005 | OR/CA Border to Horse Mt. | May 21-July 4; Aug. 14-Sept. 11 | 74 | 2 | 24 | - | |
| | Horse Mt. to Pt. Arena | Feb. 12-July 10; July 16-17; | 265 | 2 | 20 | - | |
| | | July 23-Nov. 13 | | | | | |
| | Pt. Arena to Pigeon Pt. | Apr. 2-Nov. 13 | 226 | 2 | 20 | - | |
| Pigeon Pt. to U.S./Mexico Border | Apr. 2-Sept. 25 | 177 | 2 | 20 | - | | |
| 2006 | OR/CA Border to Horse Mt. | May 15-July 4; Sept. 1-6 | 57 | 2 | 24 | - | |
| | Horse Mt. to Pt. Arena | Feb. 18-May 31; June 1-4, 7-11, | 248 | 2 | 20 | - | |
| | | 14-18, 21-25, 28-30; July 1-9, 15-16, 22-23; July 26 - Nov. 12 | | | | | |
| | Pt. Arena to Pigeon Pt. | Apr. 1-June 11; June 14-July 9; July 12-Nov. 12 | 222 | 2 | 20 | - | April 1-30 open only inside 3nm (State waters). |
| | Pigeon Pt. to Pt. Sur | Apr. 1-Sept. 24 | 177 | 2 | 20 | - | April 1-30 open only inside 3nm (State waters). |
| Pt. Sur to U.S./Mexico Border | Apr. 1-Sept. 24 | 177 | 2 | 20 | - | | |

TABLE C-2. Summary of actual California recreational ocean salmon regulations, 2001-2011.^{a/} (Page 3 of 3)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions |
|--------------------------|----------------------------------|-----------------|------|-----------|--------------------------|------|--------------------|
| | | | | | Chinook | Coho | |
| 2007 | OR/CA Border to Horse Mt. | May 5-Sept. 4 | 123 | 2 | 24 | - | |
| | Horse Mt. to Pt. Arena | Feb. 17-Nov. 11 | 268 | 2 | 20 | - | |
| | Pt. Arena to Pigeon Pt. | April 7-Nov. 11 | 219 | 2 | 20 | - | |
| | Pigeon Pt. to U.S./Mexico Border | April 7-Oct. 7 | 184 | 2 | 20 | - | |
| 2008 | OR/CA Border to Horse Mt. | Closed | - | - | - | - | |
| | Horse Mt. to Pt. Arena | Feb. 16-Mar. 31 | 45 | 2 | 20 | - | |
| | Pt. Arena to U.S. Mexico Border | Closed | - | - | - | - | |
| 2009 | OR/CA Border to Horse Mt. | Aug. 29-Sept. 7 | 10 | 2 | 24 | - | |
| | Horse Mt. to U.S. Mexico Border | Closed | - | - | - | - | |
| 2010 | OR/CA Border to Horse Mt. | May 29-Sept. 6 | 101 | 2 | 24 | - | |
| | Horse Mt. to Pt. Arena | Apr. 3-30 | 28 | 2 | 20 | - | |
| | | May 1-Sept. 6 | 129 | 2 | 24 | - | |
| | Pt. Arena to U.S./Mexico Border | Apr. 3-30 | 28 | 2 | 20 | - | |
| | | May 1-Sept. 6 | 93 | 2 | 24 | - | Thurs.-Mon. |
| 2011^{b/} | OR/CA Border to Horse Mt. | May 14-Sept. 5 | 115 | 2 | 24 | - | |
| | Horse Mt. to Pigeon Pt. | Apr. 2-Oct. 30 | 212 | 2 | 24 | - | |
| | Pigeon Pt. to U.S./Mexico Border | Apr. 2-Sept. 18 | 170 | 2 | 24 | - | |

a/ For earlier years see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-2.

b/ For detailed regulations, including inseason adjustments, see TABLE I-3.

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and federal (EEZ) waters, 2001-2011.^{a/} (Page 1 of 15)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|---|---|--------------------------------------|-------------------|------------------------|------------|--------------------------|---|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho ^{b/} | |
| 2001 | WA/OR Border to Cape Falcon | May 1-June 15 | - | 46 | - | 28 | - | |
| | | | July 20-23, 27-30 | - | 8 | 28 | 16 | 65 Chinook per open period vessel limit. |
| | | | Aug. 3-12 | - | 10 | 28 | 16 | 100 Chinook per open period vessel limit. |
| | | | Aug. 17-27 | - | 11 | 28 | 16 | 150 Chinook per open period vessel limit. |
| | | Aug. 31-Sept. 30 | - | 31 | 28 | 16 | No vessel landing limits. | |
| | Cape Falcon to Florence South Jetty | Apr. 1-July 18; | - | 204 | - | 26 | - | |
| | | July 27-Aug. 29; Sept. 1- Oct. 31 | | | | | | |
| | Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area) | Nov. 1-15 | - | 15 | - | 26 | - | Chinook only. |
| | Florence South Jetty to Humbug Mt. | Apr. 1-July 9; | - | 204 | - | 26 | - | |
| | | July 18-Aug. 29; Sept. 1- Oct. 31 | | | | | | |
| Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Nov. 1-Dec. 15 | - | 45 | - | 26 | - | Chinook only. | |
| Humbug Mt. to OR/CA Border | May 1-31 | - | 31 | - | 26 | - | | |
| | June 3-4, 7-8, 11-12, 15-30; Aug. 1-31; Sept. 1-30 | - | 94 | - | 26 | - | 30 fish per day per vessel limit. | |
| | | | | | | | | |
| Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 13-31 | - | 19 | - | 26 | - | 20 fish per day per vessel limit; Chinook only. | |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 2 of 15)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions | |
|---|---|--|--|------------------------|------------|--------------------------|---|---|---------------|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho ^{b/} | | |
| 2002 | WA/OR Border to Cape Falcon | May 1-June 7 | - | 38 | - | 28 | - | | |
| | | July 1-8 | - | 8 | - | 28 | - | 250 Chinook per open period vessel limit. | |
| | | July 12-22 | - | 11 | - | 28 | - | 400 Chinook per open period vessel limit. | |
| | | July 26-31 | Aug. 1-5 | 6 | 5 | 28 | 16 | 500 Chinook per open period vessel limit. | |
| | | | Aug. 9-18 | - | 10 | 28 | 16 | 400 Chinook per open period vessel limit. | |
| | Cape Falcon to Florence South Jetty | Mar. 20-July 15; Aug. 1-29; Sept. 1- Oct. 31 | Aug. 22-28 | - | 7 | 28 | 16 | 250 Chinook per open period vessel limit. | |
| | | | | - | 208 | - | 26 | - | |
| | | Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area) | Nov. 1-14 | - | 14 | - | 26 | - | Chinook only. |
| | | | Mar. 20-June 30; July 17-Aug. 29; Sept. 1- Oct. 31 | - | 208 | - | 26 | - | |
| | | | | | - | 45 | - | 26 | - |
| Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Nov. 1-Dec. 15 | - | 45 | - | 26 | - | | | |
| | Mar. 20-May 31 June 1-30; July 1-26; Aug. 1-29; Sept. 1-9 | - | 73 | - | 26 | - | 50 fish per trip per vessel limit. | | |
| | | - | 94 | - | 26 | - | | | |
| Oct. 14-Nov. 3 | | - | 21 | - | 26 | - | 25 fish per day per vessel limit; Chinook only. | | |
| Humbug Mt. to OR/CA Border | Oct. 14-Nov. 3 | - | 21 | - | 26 | - | 25 fish per day per vessel limit; Chinook only. | | |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | | | | | | | | |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 3 of 15)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|---|--|---|--|------------------------|------------|--------------------------|---|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho ^{b/} | |
| 2003 | WA/OR Border to Cape Falcon | May 1-June 6; June 26-30 | - | 42 | - | 28 | - | |
| | | | July 3-7 | - | 5 | 28 | 16 | 75 Chinook per open period vessel limit. |
| | | | July 10-14, 17-21, 24-28; July 31- Aug. 4; Aug. 7-11, 14-18, 21-25; Aug. 27-Sept. 1; Sept. 4-8, 11-14 | - | 49 | 28 | 16 | 150 Chinook per open period vessel limit. |
| | | | | | | | | |
| | Cape Falcon to Florence South Jetty | Mar. 15-Apr. 30 | - | 47 | - | 26 | - | |
| | | May 1-July 16; Aug. 1-19; Sept. 1-30 Oct. 1-31 | - | 126 | - | 27 | - | |
| | | | | 31 | - | 28 | - | |
| | Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area) | Nov. 1-14 | - | 14 | - | 26 | - | Chinook only. |
| | Florence South Jetty to Humbug Mt. | Mar. 15-Apr. 30 | - | 47 | - | 26 | - | |
| | | May 1-June 30; July 17-31; Aug. 11-29; Sept. 1-30 Oct. 1-31 | - | 125 | - | 27 | - | |
| | | | 31 | - | 28 | - | | |
| | | | | | | | | |
| Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Nov. 1-Dec. 15 | - | 45 | - | 28 | - | | |
| Humbug Mt. to OR/CA Border | Mar. 15-May 31 | - | 47 | - | 26 | - | | |
| | June 1-30; July 1-31; Aug. 1-29 Sept. 1-30 | - | 90 | - | 26 | - | 50 fish per trip per vessel limit. | |
| | | | 30 | - | 28 | - | 65 fish per trip per vessel limit. | |
| | | | | | | | | |
| Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 13-Nov. 3 | - | 22 | - | 26 | - | 25 fish per day per vessel limit; Chinook only. | |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 4 of 15)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|--|---|---|----------------|------------------------|----------------|--------------------------|---|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho ^{b/} | |
| 2004 | WA/OR Border to Cape Falcon | May 1-5 | - | 5 | - | 28 | - | |
| | | May 15-18 | - | 4 | - | 28 | - | 125 Chinook per open period vessel limit. |
| | | May 24-26 | - | 3 | - | 28 | - | 70 Chinook per open period vessel limit. |
| | | June 26-30 | - | 5 | - | 28 | - | 50 Chinook per open period vessel limit. |
| | | July 8-12 | - | 5 | 28 | 16 | 100 Chinook per open period vessel limit. | |
| | | July 16-19, 22-26; July 29-Aug. 2; Aug. 5-9, 11-15, 18-22, 25-29 | - | 34 | 28 | 16 | 125 Chinook per open period vessel limit. | |
| | | Sept. 1-5 | - | 5 | 28 | 16 | 125 Chinook per open period vessel limit; no coho mark restriction. | |
| | Cape Falcon to Florence South Jetty | Mar. 15-Apr. 30 | - | 47 | - | 26 | - | |
| | | May 1-June 30; July 7-12, 19-27; Aug. 1-14, 19-24; Sept. 1-30 | - | 126 | - | 27 | - | |
| | | Oct. 1-31 | - | 31 | - | 28 | - | |
| | | Nov. 1-14 | - | 14 | - | 26 | - | Chinook only. |
| | | Mar. 15-Apr. 30 May 1-July 6; July 13-18, 26-29; Aug. 1-8, 15-22, 26-29; Sept. 1-30 | - | 47 127 | - | 26 27 | - | |
| | Florence South Jetty to Humbug Mt. | Oct. 1-31 | - | 31 | - | 28 | - | |
| | | Nov. 1-Dec. 15 | - | 45 | - | 28 | - | |
| | Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Nov. 1-Dec. 15 | - | 45 | - | 28 | - | |
| Mar. 15-Apr. 30 May 1-31 June 1-19; July 1-19; Aug. 1-4 | | - | 47 31 42 | - | 26 27 27 | - | 50 fish per trip per vessel limit. | |
| Humbug Mt. to OR/CA Border | Sept. 1-3, 8-10, 15-30 | - | 22 | - | 28 | - | 65 fish per trip per vessel limit. | |
| | Oct. 13-Nov. 3 | - | 22 | - | 26 | - | 25 fish per day per vessel limit; Chinook only. | |
| Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | | Oct. 13-Nov. 3 | - | 22 | - | 26 | - | 25 fish per day per vessel limit; Chinook only. |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 5 of 15)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|---|--|--|------------|------------------------|------------|--------------------------|---|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho ^{b/} | |
| 2005 | WA/OR Border to Cape Falcon | May 1-3 | - | 3 | - | 28 | - | 75 Chinook per open period vessel limit. |
| | | May 6-9 | - | 4 | - | 28 | - | 100 Chinook per open period vessel limit. |
| | | May 13-16; 20-26 | - | 11 | - | 28 | - | 125 Chinook per open period vessel limit. |
| | | June 3-6 | - | 4 | - | 28 | - | 60 Chinook per open period vessel limit. |
| | | June 26-30 | - | 5 | - | 28 | - | 30 Chinook per open period vessel limit. |
| | | July 7-11;14-18 July 21-25; July 28-Aug. 1; Aug. 3- 7, 10-14, 17-22 | - | 10 26 | - | 28 28 | 16 16 | 75 Chinook per open period vessel limit. 100 Chinook per open period vessel limit. |
| | Cape Falcon to Florence South Jetty | Mar. 15-25; Apr. 1-15 | - | 26 | - | 27 | - | |
| | | May 1-3, 8-10, 15-17, 22-24, 29-30; June 1-30; Sept. 1-23; Oct. 1-31 | - | 98 | - | 28 | - | |
| | Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area) | Nov. 1-15 | - | 15 | - | 26 | - | Chinook only. |
| | Florence South Jetty to Humbug Mt. | Mar. 15-25; Apr. 1-15 | - | 26 | - | 27 | - | |
| | | May 1-30; Sept. 1- 23; Oct. 1-31 | - | 84 | - | 28 | - | |
| | Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Nov. 1-Dec. 15 | - | 45 | - | 28 | - | |
| Humbug Mt. to OR/CA Border | Mar. 15-25; Apr. 1-15 | - | 26 | - | 27 | - | | |
| | Sept. 3-30 | - | 28 | - | 28 | - | 45 fish per day per vessel limit. | |
| Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 13-Nov. 3 | - | 22 | - | 26 | - | 25 fish per day per vessel limit; Chinook only. | |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 6 of 15)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions | | |
|---|-----------------------------|---|--|------------------------|------------|--------------------------|--------------------|--|---|--|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho ^{b/} | | | |
| 2006 | WA/OR Border to Cape Falcon | May 1-2 | - | 2 | - | 28 | - | 75 Chinook per open period vessel limit. | | |
| | | May 6-9, 13-16, 20-23, 27-30, June 3-6, 10-13 | - | 24 | - | 28 | - | 80 Chinook per open period vessel limit. | | |
| | | June 27-30 | - | 4 | - | 28 | - | 20 Chinook per open period vessel limit. | | |
| | | July 15-18, 22-25 | - | - | 8 | - | 28 | 16 | 35 Chinook and 35 coho per open period vessel limit. | |
| | | July 29-Aug. 1 | - | - | - | 4 | 28 | 16 | 60 Chinook and 35 coho per open period vessel limit. | |
| | | Aug. 5-7, 12-14 | - | - | - | 6 | 28 | 16 | 60 Chinook and 40 coho per open period vessel limit. | |
| | | Aug. 19-22, 26-29; Sept. 2-5 | - | - | - | 12 | 28 | 16 | 80 Chinook and 40 coho per open period vessel limit. | |
| | | Sept. 8-15 | - | - | - | 8 | 28 | 16 | 160 Chinook and 40 coho per open period vessel limit. | |
| | | Cape Falcon to Florence South Jetty | June 4-7, 11-14, 18-21, 25-28; July 9-11, 16-18, 23-25; Aug. 1-3 | - | - | 28 | - | 28 | - | 75 Chinook per calendar week vessel limit. |
| | | | Sept. 17-30; Oct. 17-31 | - | - | 29 | - | 28 | - | 50 Chinook per calendar week vessel limit. |
| Cape Falcon to Pyramid Rock Inside 3 nm (Tillamook/Nehalem) | Sept. 1-16; Oct. 1-16 | - | - | 32 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. | | |
| Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area) | Nov. 1-15 | - | - | 15 | - | 28 | - | Chinook only. | | |
| Cape Kiwanda to Neskowin Creek Inside 3 nm (Nestucca Area) | Sept. 1-16; Oct. 1-16 | - | - | 32 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. | | |
| Yaquina Head to 44°33'00" Inside 3 nm (Yaquina Area) | Sept. 1-16; Oct. 1-16 | - | - | 32 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. | | |
| 44°29'00" to 44°23'00" Inside 3 nm (Alsea Area) | Sept. 1-16; Oct. 1-16 | - | - | 32 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. | | |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 7 of 15)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|-------------|--|----------------------------|------------|----------------------------|------------|--------------------------|--------------------|--|
| | | All-Salmon- Except-Coho | All Salmon | All-Salmon- Except-Coho | All Salmon | Chinook | Coho ^{b/} | |
| 2006 | Florence South Jetty to Humbug Mt. | Closed | - | - | - | - | - | |
| Cont'd | Heceta Head to 44°00'00" Inside 3 nm (Siuslaw Area) | Sept. 1-16; Oct. 1- 16 | - | 32 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. |
| | Tahkenitch Creek to 43°37'00" Inside 30 fathoms (Umpqua Area) | Sept. 1-30 | - | 30 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. |
| | 43°31'00" to Cape Arago Inside 30 fathoms (Coos Area) | Sept. 1-Oct. 16 | - | 46 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. |
| | Nesika Reef to Cape Sebastian Inside 3 nm (Rogue Area) | Sept. 1-15 | - | 15 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. |
| | Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Sept. 15-Dec. 15 | - | 92 | - | 28 | - | |
| | Humbug Mt. to OR/CA Border | Closed | - | - | - | - | - | |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 13-Nov. 3 | - | 22 | - | 28 | - | 25 fish per day per vessel limit; Chinook only. |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 8 of 15)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions | | |
|------|--|--|--|------------------------|------------|--------------------------|--------------------|---|---|--|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho ^{b/} | | | |
| 2007 | WA/OR Border to Cape Falcon | May 1-2, 5-8 | - | 6 | - | 28 | - | Per open period vessel limit of 40 Chinook. | | |
| | | May 12-15, 19-22, 26-29; June 2-5, 9-12, 16-19 | - | 24 | - | 28 | - | Per open period vessel limit of 30 Chinook. | | |
| | | June 23-26 | - | 4 | - | 28 | - | Per open period vessel limit of 30 Chinook. | | |
| | | | July 1-3, 7-10, 14-17, 21-24, 28-31; | | | 27 | 28 | 16 | Per open period vessel limit of 20 Chinook. | |
| | | | Aug. 4-7, 11-14 | | | 18 | 28 | 16 | 20 Chinook and 140 coho per open period vessel limit. | |
| | | | Aug. 18-21, 25-28; Sept. 1-4, 8-11, 15-16 | | | | | | | |
| | | | April 10-29 | - | 20 | - | 28 | - | 100 Chinook per calendar week vessel limit. | |
| | | | May 1-June 30; July 11-30; Aug. 4-14, 21-24 | - | 96 | - | 28 | - | | |
| | | | Oct. 1-31 | - | 31 | - | 28 | - | 75 Chinook per calendar week vessel limit. Bandon High Spot Control Zone closed. | |
| | | | | Aug. 15-20, 25-28 | - | 10 | 28 | 16 | 50 coho per calendar week vessel limit. 10,000 coho quota, no coho mark restriction. | |
| | | | | Sept. 10-13 | - | 4 | 28 | 16 | 150 Chinook and 50 coho per calendar week vessel limit. Remainder of 10,000 coho quota. Bandon High Spot Control Zone closed. | |
| | | | Cape Falcon to Pyramid Rock Inside 3 nm (Tillamook/Nehalem Area) | Sept. 1-8, 17-30 | - | 22 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. 2,000 quota. Landings restricted to Garibaldi or Nehalem. |
| | | | Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area) | Nov. 1-15 | - | 15 | - | 28 | - | Chinook only. |
| | Cape Lookout to Neskowin Creek Inside 3 nm (Nestucca Area) | Sept. 1-8, 17-30 | - | 22 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. 1,000 quota. Landings restricted to Pacific City or Garibaldi. | | |
| | Yaquina Head to 44°33'00" Inside 3 nm (Yaquina Area) | Sept. 1-8, 17-30 | - | 22 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. 1,000 quota. Landings restricted to Newport or Depoe Bay. | | |

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|--------|--|---------------------------------|------------|------------------------|------------|--------------------------|--------------------|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho ^{b/} | |
| 2007 | 44°29'00" to 44°23'00" | Sept. 1-8, 17-30 | - | 22 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. 2,000 quota. Landings restricted to Newport or Depoe Bay. |
| Cont'd | Inside 3 nm (Alsea Area) | | | | | | | |
| | Heceta Head to 44°00'00" Inside 3 nm (Siuslaw Area) | Sept. 1-8, 17-30 | - | 22 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. 2,000 quota. Landings restricted to Newport, Florence, Winchester Bay or Coos Bay. |
| | Tahkenitch Creek to 43°37'00" Inside 30 fathoms (Umpqua Area) | Sept. 1-8, 17-30 | - | 22 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. 500 quota. Landings restricted to Winchester Bay or Coos Bay. |
| | 43°31'00" to Cape Arago Inside 30 fathoms (Coos Area) | Sept. 1-8, 17-30 | - | 22 | - | 28 | - | Chinook only; 50 per calendar week vessel limit. 1,000 quota. Landings restricted to Coos Bay. |
| | Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Sept. 17-30; Nov. 1- Dec. 15 | - | 59 | - | 28 | - | Landings restricted to Port Orford. |
| | Humbug Mt. to OR/CA Border | Apr. 10-29 | - | 20 | - | 28 | - | 100 fish per calendar week vessel limit. 30 Chinook per day and 100 per calendar week vessel limit; 1,600 quota. Landings in Gold Beach, Port Orford, or Brookings only. |
| | | May 1-31 | - | 31 | - | 28 | - | |
| | | June 1-30 | - | 30 | - | 28 | - | |
| | | July 11-31 | - | 21 | - | 28 | - | |
| | | Aug. 1-14 | - | 14 | - | 28 | - | |
| | | Sept. 6-30 | - | 25 | - | 28 | - | |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 15-Nov. 5 | - | 22 | - | 28 | - | 25 fish per day per vessel limit. Landings restricted to Brookings. |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2010.^{a/} (Page 10 of 15)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|------|---|---|------------|------------------------|------------|--------------------------|---|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho ^{b/} | |
| 2008 | WA/OR Border to Cape Falcon | May 3-6, 10-13, 17-20, 24-27; May 31-June 3; June 7-10, 14-17 | - | 28 | - | 28 | - | Per open period vessel limit of 50 Chinook. |
| | | June 21-24 | - | 4 | - | 28 | - | Per open period vessel limit of 35 Chinook. |
| | | July 1-2, 5-8, 12-15, 19-22, 26-29; | - | 18 | 28 | 16 | Per open period vessel limit of 35 Chinook and 25 coho. | |
| | | Aug. 2-5, 9-12, 16-19, 23-26; Aug. 30-Sept. 2; Sept. 6-9, 13-16 | - | 28 | 28 | 16 | Per open period vessel limit of 50 Chinook and 25 coho. | |
| | | Sept. 1-Nov. 15 | - | 76 | - | 28 | - | 500 quota; 25 Chinook per calendar week per vessel landing limit. |
| | Cape Falcon to OR/CA Border Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area) | Nov. 1-30 | - | 30 | - | 28 | - | 250 quota; 10 Chinook per day per vessel landing limit; landings restricted to Port Orford. |
| | Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Oct. 5-8, 12 | - | 5 | - | 28 | - | 250 quota; 10 Chinook per day per vessel limit Oct. 5-8, 5 Chinook Oct. 12. Landings restricted to Brookings. |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | | | | | | | |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 11 of 15)

| Year | Area | Seasons | | | Number of Days | Minimum Size Limit (in.) | | Other Restrictions |
|------|---|------------------------|---|--|----------------|--------------------------|--------------------|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Chinook | | Chinook | Coho ^{b/} | |
| | | 2009 | WA/OR Border to Cape Falcon | May 1-5, 8-12, 16-19, 23-26; May 30-June 2; June 6-9, 13-16, 20-23, 27-30 | | - | - | |
| | | - | July 1-7, 11-14 | - | 11 | 28 | 16 | Per open period vessel limit of 40 Chinook and 200 marked coho. |
| | | - | July 18-21, 25-28; Aug. 1-4, 8-11, 15-18, 22-25; Aug. 29-Sept. 1 | - | 28 | 28 | 16 | Per open period vessel limit of 75 Chinook and 200 marked coho. |
| | | - | Sept. 5-8, 12-15 | | 8 | 28 | 16 | Per open period vessel limit of 75 Chinook and 100 marked coho. |
| | Cape Falcon to Humbug Mt. | - | - | Sept. 1-30 | 30 | - | 16 | 21,240 quota (non-mark-selective); 100 coho per calendar week per vessel landing limit. |
| | Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area) | Sept. 1-Oct. 31 | - | - | 61 | 28 | - | 300 quota; 25 Chinook per calendar week per vessel landing limit; landings restricted to Garibaldi. |
| | Cape Blanco to Tichenor Rock (Elk River Area) Inside of a line from Cape Blanco to Black Rock to Best Rock to 42°43'48" N Lat. 124°32'08" W Long. to Tichenor Rock | Oct. 15-19 | - | - | 5 | 28 | - | 300 quota; 20 Chinook per day per vessel landing limit; landings restricted to Port Orford. |
| | Humbug Mt. to OR/CA Border | Closed | - | - | - | - | - | |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 12 of 15)

| Year | Area | Seasons | | | Number of Days | Minimum Size Limit (in.) | | Other Restrictions | |
|------|--|---|---|------------------------|----------------|--------------------------|--------------------|--|--|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | | Chinook | Coho ^{b/} | | |
| 2010 | WA/OR Border to Cape Falcon | May 1-June 12; June 18-22; June 25-29 | - | - | 43 | 28 | - | Seven days per week, no landing limits. | |
| | | | - | - | 5 | 28 | - | Per open period vessel limit of 75 Chinook. | |
| | | | - | - | 5 | 28 | - | Per open period vessel limit of 25 Chinook. | |
| | | - | July 1-6, 9-13; □ | - | 11 | 28 | 16 | Per open period vessel limit of 40 Chinook and 30 marked coho. | |
| | | - | July 16-20, 23-27; | - | 10 | 28 | 16 | Per open period vessel limit of 60 Chinook and 50 marked coho. | |
| | | | July 30-Aug. 3; | | 5 | 28 | 16 | Per open period vessel limit of 75 Chinook and 50 marked coho. | |
| | | | Aug. 6-10, 13-17, 20-24, 27-31, Sept. 3-7 | | 25 | 28 | 16 | Per open period vessel limit of 30 Chinook and 50 marked coho. | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | Cape Falcon to Humbug Mt. | May 1-July 6; July 9-13, 16-20, 23-27; Aug. 1-25 | - | - | 107 | 28 | - | | |
| | Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area) | Sept. 1-Oct. 31 | - | - | 61 | 28 | - | 600 quota; 25 Chinook per calendar week per vessel landing limit; mandatory phone or email trip reports. | |
| | Cape Blanco to Tichenor Rock (Elk River Area) Inside of a line from Cape Blanco to Black Rock to Best Rock to 42°43'48" N Lat. 124°32'08" W Long. to Tichenor Rock | Oct. 15-29 | - | - | 15 | 28 | - | 1,250 quota; 20 Chinook per day per vessel landing limit; mandatory phone or email trip reports. | |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 13 of 15)

| Year | Area | Seasons | | | Number of Days | Minimum Size Limit (in.) | | Other Restrictions |
|--------------|---|------------------------|------------|------------------------|----------------|--------------------------|--------------------|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | | Chinook | Coho ^{b/} | |
| 2010 Cont | Humbug Mt. to OR/CA Border | May 1-31 | - | - | 31 | 28 | - | 100 fish per calendar week vessel limit. Landings restricted to Gold Beach, Port Orford, or Brookings. |
| | | July 1-31 | - | - | 31 | 28 | - | 1,500 quota; 30 Chinook per day and 90 per calendar week vessel limit. Landings restricted to Gold Beach, Port Orford, or Brookings; mandatory phone or email trip reports. |
| | | Aug. 1-31 | - | - | 31 | 28 | - | 1,500 quota; 30 Chinook per day and 90 per calendar week vessel limit. Landings restricted to Gold Beach, Port Orford, or Brookings; mandatory phone or email trip reports. |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 13-15, 20 | - | - | 4 | 28 | - | 500 quota; 20 Chinook per day per vessel landing limit Oct 13-15, 10 per day October 20; landings restricted to Brookings; mandatory phone or email trip reports. |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 14 of 15)

| Year | Area | Seasons | | | Number of Days | Minimum Size Limit (in.) | | Other Restrictions | |
|--------------------|-----------------------------|------------------------------|--|------------------------|----------------|--------------------------|--------------------|---|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | | Chinook | Coho ^{b/} | | |
| 2011 ^{c/} | WA/OR Border to Cape Falcon | May 1-June 21; June 23-30 | - - | - - | 52 8 | 28 28 | - - | Seven days per week, no landing limits. 30 Chinook per open period vessel limit. | |
| | | - | July 1-5, 8-12; □ | - | 10 | 28 | 16 | 50 Chinook and 50 marked coho per open period vessel limit. | |
| | | - | July 15-19, 22-26, July 29-Aug. 2, Aug. 5-9; Aug. 19; | - | 20 | 28 | 16 | 30 Chinook and 50 marked coho per open period vessel limit. | |
| | | - | Aug. 27-29; | - | 1 | 28 | 16 | 12 Chinook and 50 marked coho per open period vessel limit. | |
| | | - | Sept. 3-6, 10-13 | - | 3 | 28 | 16 | 12 Chinook and 75 marked coho per open period vessel limit. | |
| | | - | Sept. 3-6, 10-13 | - | 8 | 28 | 16 | 20 Chinook and 100 marked coho per open period vessel limit. | |
| | | - | Apr. 15-July 9, July 17-Aug. 31; October 1-31 | - - | - - | 132 31 | 28 28 | - - | 50 Chinook per calendar week vessel limit. |
| | | - | Sept. 1-30 | - | - | 30 | 28 | - | 25 Chinook per day vessel limit. Landings restricted to Garibaldi. |
| | | - | Sept. 1-30 | - | - | 30 | 28 | - | 50 Chinook per day vessel limit. Landings restricted to Coos Bay, Charleston, and Bandon. |
| | | - | Nov. 1-30 | - | - | 30 | 28 | - | 20 Chinook per day vessel limit. Landings restricted to Port Orford. |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2011.^{a/} (Page 15 of 15)

| Year | Area | Seasons | | | Number of Days | Minimum Size Limit (in.) | | Other Restrictions |
|----------------------------|---|------------------------|------------|------------------------|----------------|--------------------------|--------------------|--|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | | Chinook | Coho ^{b/} | |
| 2011 ^{c/} Cont | Humbug Mt. to OR/CA Border | May 1-31 | - | - | 31 | 28 | - | Landings restricted to Gold Beach, Port Orford, or Brookings. |
| | | June 1-30 | - | - | 30 | 28 | - | 1,500 quota; 30 Chinook per day vessel limit. Landings restricted to Gold Beach, Port Orford, or Brookings; mandatory phone or email trip reports. |
| | | July 1-31 | - | - | 31 | 28 | - | 1,200 quota; 30 Chinook per day vessel limit. Landings restricted to Gold Beach, Port Orford, or Brookings; mandatory phone or email trip reports. |
| | | Aug. 1-31 | - | - | 31 | 28 | - | 1,000 quota; 30 Chinook per day vessel limit. Landings restricted to Gold Beach, Port Orford, or Brookings; mandatory phone or email trip reports. |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 13-31 | - | - | 19 | 28 | - | 750 quota; 20 Chinook per day per vessel landing limit; landings restricted to Brookings; mandatory phone or email trip reports. |

a/ For earlier years see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-3.

b/ Mark selective coho fishery except for WA/OR Border to Cape Falcon in Sept. 2004, Cape Falcon to Humbug Mt. in 2007, and Cape Falcon to Humbug Mt. in 2009; otherwise all retained coho must be marked with a healed adipose fin clip.

c/ For detailed regulations, including inseason adjustments, see TABLE I-1.

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2011.^{a/} (Page 1 of 10)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions ^{c/} |
|---------------------------------|---|---------------------------------|-----------------|-----------|--------------------------|---|--|
| | | | | | Chinook | Coho ^{b/} | |
| 2001 | WA/OR Border to Cape Falcon | July 1-Sept. 3 | 47 | 2 | 24 | 16 | Sun.-Thurs.; no more than one Chinook. |
| | Closed south of Tillamook Head | Sept. 4-30 | 27 | 2 | 24 | 16 | No more than one Chinook. |
| | Beginning Aug. 1 | | | | | | |
| | Cape Falcon to Humbug Mt. | Apr. 1-June 21; July 20-Oct. 31 | 186 | 2 | 20 | - | All salmon except coho. |
| | | | June 22-July 19 | 28 | 2 | 20 | 16 |
| | Tillamook Triangular Control Zone | Apr. 1-July 31 | 122 | 2 | 20 | - | All retained Chinook must have a healed adipose fin clip. |
| | Marker on shore at 45°35'00" N. Lat. to #1 Green Buoy to Marker on shore at 45°32'50"N. | | | | | | |
| | Tillamook Area | Nov. 1-15 | 15 | 2 | 20 | - | Chinook only. Up to five jacks allowed before adult bag retained. No more than four adults in seven consecutive days and 10 adults per season. |
| | Twin Rocks to Pyramid Rock Inside 3 nm | | | | | | |
| | Cape Blanco to Humbug Mt. | Nov. 1-Dec. 15 | 45 | 2 | 20 | - | Chinook only. |
| Inside 3 nm (Elk River Area) | | | | | | | |
| Humbug Mt. to OR/CA Border | May 17-July 8; July 24-Sept. 3 | 95 | 1 | 20 | - | All salmon except coho. | |
| Twin Rocks to OR/CA Border | Oct. 1-12 | 12 | 1 | 20 | - | Chinook only. No more than four Chinook per season. | |
| Inside 3 nm (Chetco River Area) | | | | | | | |

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2011.^{a/} (Page 2 of 10)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions ^{c/} |
|---|---|-------------------------------|------|-----------|--------------------------|--|--|
| | | | | | Chinook | Coho ^{b/} | |
| 2002 | WA/OR Border to Cape Falcon | May 25-June 16 | 23 | 2 | 24 | - | Chinook only. |
| | | July 7-20 | 10 | 2 | 24 | 16 | Sun.-Thurs. |
| | | July 21-Aug. 7 | 14 | 2 | 26 | 16 | Sun.-Thurs. |
| | Closed south of Tillamook Head Beginning Aug. 1 | Aug. 8-15 | 6 | 2 | - | 16 | Sun.-Thurs.; all salmon except Chinook. |
| | | Aug. 16-Sept. 2; Sept. 6-15 | 28 | 2 | - | 16 | All salmon except Chinook. |
| | Cape Falcon to Humbug Mt. | Apr. 1-July 6; Aug. 2-Oct. 31 | 188 | 2 | 20 | - | All salmon except coho. |
| | | July 7-Aug. 1 | 26 | 2 | 20 | 16 | 22,500 marked coho quota. |
| | Tillamook Triangular Control Zone Marker on shore at 45°35'00" N. Lat. to #1 Green Buoy to Marker on shore at 45°32'50"N. | Apr. 1-July 31 | 122 | 2 | 20 | - | All retained Chinook must have a healed adipose fin clip. |
| | Tillamook Area Twin Rocks to Pyramid Rock Inside 3 nm | Nov. 1-15 | 15 | 2 | 20 | - | Chinook only. Up to five jacks allowed before adult bag retained. No more than four adults in seven consecutive days and 10 adults per season. |
| | Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Nov. 1-Dec. 15 | 45 | 2 | 20 | - | Chinook only. |
| Humbug Mt. to OR/CA Border | May 15-June 30; July 3-4; Aug. 1-Sept. 15 | 95 | 2 | 20 | - | All salmon except coho. | |
| Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 1-13 | 13 | 1 | 20 | - | Chinook only. No more than four Chinook per season. | |

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2011.^{a/} (Page 3 of 10)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions ^{c/} |
|---|---|----------------------------------|------|-----------|--------------------------|---|--|
| | | | | | Chinook | Coho ^{b/} | |
| 2003 | WA/OR Border to Cape Falcon | June 29-July 24 | 20 | 2 | 26 | 16 | Sun.-Thurs.; no more than one Chinook. |
| | Closed south of Tillamook Head | July 25-Sept. 30 | 68 | 2 | 26 | 16 | No more than one Chinook. |
| | Beginning Aug. 1 | | | | | | |
| | Cape Falcon to Humbug Mt. | Mar. 15-June 20; Aug. 20-Oct. 31 | 171 | 2 | 20 | - | |
| | | June 21-Aug. 19 | 60 | 2 | 20 | 16 | 88,000 marked coho quota. |
| | Tillamook Triangular Control Zone | Mar. 15-July 31 | 139 | 2 | 20 | - | All retained Chinook must have a healed adipose fin clip. |
| | Marker on shore at 45°35'00" N. Lat. to #1 Green Buoy to Marker on shore at 45°32'50"N. | | | | | | |
| | Tillamook Area Twin Rocks to Pyramid Rock Inside 3 nm | Nov. 1-15 | 15 | 2 | 20 | - | Chinook only. Up to five jacks allowed before adult bag retained. No more than four adults in seven consecutive days and 10 adults per season. |
| Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Nov. 1-Dec. 15 | 45 | 2 | 20 | - | Chinook only. | |
| Humbug Mt. to OR/CA Border | May 17-Sept. 14 | 121 | 2 | 20 | - | All salmon except coho. | |
| Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 1-12 | 12 | 1 | 20 | - | Chinook only. No more than four Chinook per season. | |

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2011.^{a/} (Page 4 of 10)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions ^{c/} |
|--|---|----------------------------------|------------------|-----------|--------------------------|---|--|
| | | | | | Chinook | Coho ^{b/} | |
| 2004 | WA/OR Border to Cape Falcon | June 27-July 22 | 19 | 2 | 26 | 16 | Sun.-Thurs.; no more than one Chinook. |
| | Closed south of Tillamook Head | July 23-Aug. 12 | 21 | 2 | 26 | 16 | Two Chinook allowed. |
| | | Aug. 1-Sept. 3 | Aug. 13-Sept. 30 | 49 | 2 | 24 | 16 |
| | Cape Falcon to Humbug Mt. | Mar. 15-June 18; Sept. 1-Oct. 31 | 157 | 2 | 20 | - | |
| | | June 19-Aug. 31 | 74 | 2 | 20 | 16 | 75,000 marked coho quota for Cape Falcon to OR/CA border. |
| | Tillamook Triangular Control Zone | Mar. 15-July 31 | 139 | 2 | 20 | - | All retained Chinook must have a healed adipose fin clip. |
| | Twin Rocks to #1 Green Buoy to Pyramid Rock | | | | | | |
| | Tillamook Area | Nov. 1-15 | 15 | 2 | 20 | - | Chinook only. Up to five jacks allowed before adult bag retained. No more than four adults in seven consecutive days and 10 adults per season. |
| | Twin Rocks to Pyramid Rock Inside 3 nm | | | | | | |
| | | | | | | | |
| Humbug Mt. to OR/CA Border | May 15-June 18; Sept. 1-12 | 47 | 2 | 20 | - | All salmon except coho. | |
| | June 19-Aug. 31 | 74 | 2 | 20 | 16 | 75,000 marked coho quota for Cape Falcon to OR/CA border. | |
| Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 1-12 | 12 | 1 | 20 | - | Chinook only. No more than four Chinook per season. | |

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2011.^{a/} (Page 5 of 10)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions ^{c/} |
|---|--|----------------------------------|------|-----------|--------------------------|---|--|
| | | | | | Chinook | Coho ^{b/} | |
| 2005 | WA/OR Border to Cape Falcon | July 3-28 | 20 | 2 | 24 | 16 | Sun.-Thurs.; no more than one Chinook. |
| | Closed south of Tillamook Head Beginning Aug. 1 | July 29-Sept. 8; Sept. 17-30 | 56 | 2 | 24 | 16 | Two Chinook allowed. |
| | | Sept. 9-16 | 8 | 2 | - | 16 | All salmon except Chinook. |
| | Cape Falcon to Humbug Mt. | Mar. 15-June 17; Aug. 1-Oct. 31 | 188 | 2 | 20 | - | All salmon except coho. |
| | | June 18-July 31 | 44 | 2 | 20 | 16 | 40,000 marked coho quota for Cape Falcon to OR/CA border. |
| | Tillamook Triangular Control Zone Twin Rocks to #1 Green Buoy to Pyramid Rock | Mar. 15-July 31 | 139 | 2 | 20 | - | All retained Chinook must have a healed adipose fin clip. |
| | Tillamook Area Twin Rocks to Pyramid Rock Inside 3 nm | Nov. 1-15 | 15 | 2 | 20 | - | Chinook only. No more than four adults in seven consecutive days and 10 adults per season. |
| | Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Nov. 1-Dec. 15 | 45 | 2 | 20 | - | Chinook only. |
| | Humbug Mt. to OR/CA Border | May 21-June 17; Aug. 14-Sept. 11 | 57 | 2 | 24 | - | All salmon except coho. |
| | | June 18-July 4 | 17 | 2 | 20 | 16 | 40,000 marked coho quota for Cape Falcon to OR/CA border. |
| Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 1-12 | 12 | 1 | 20 | - | Chinook only. No more than four Chinook per season. | |

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2011.^{a/} (Page 6 of 10)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions ^{c/} |
|---|--|--|------|-----------|--------------------------|---|--|
| | | | | | Chinook | Coho ^{b/} | |
| 2006 | WA/OR Border to Cape Falcon | July 3-Aug. 10 | 29 | 2 | 24 | 16 | Sun.-Thurs.; no more than one Chinook; closed south of Tillamook Head Aug. 1-10. |
| | | Aug. 11-Sept. 30 | 51 | 2 | 24 | 16 | Two Chinook allowed; closed south of Tillamook Head Aug. 11-25. |
| | Cape Falcon to Humbug Mt. | Mar. 15-June 16; Aug. 1-31; Sept. 7-Oct. 31 | 180 | 2 | 20 | - | All salmon except coho. |
| | | June 17-July 31; Sept. 1-6 | 51 | 2 | 20 | 16 | 20,000 marked coho quota for Cape Falcon to OR/CA border. |
| | Tillamook Triangular Control Zone Twin Rocks to #1 Green Buoy to Pyramid Rock | Mar. 15-July 31 | 139 | 2 | 20 | - | All retained Chinook must have a healed adipose fin clip. |
| | Tillamook Area Twin Rocks to Pyramid Rock Inside 3 nm | Nov. 1-15 | 15 | 2 | 20 | - | Chinook only. No more than four adults in seven consecutive days and 10 adults per season. |
| | Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Nov. 1-Dec. 15 | 45 | 2 | 20 | - | Chinook only. |
| | Humbug Mt. to OR/CA Border | May 15-June 16 | 33 | 2 | 24 | - | All salmon except coho. |
| | | June 17-July 4; Sept. 1-6 | 24 | 2 | 20 | 16 | 20,000 marked coho quota for Cape Falcon to OR/CA border. |
| Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 1-12 | 12 | 1 | 20 | - | Chinook only. No more than four Chinook per season. | |

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2011.^{a/} (Page 7 of 10)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions ^{c/} |
|------|--|--------------------------------------|------|-----------|--------------------------|--------------------|---|
| | | | | | Chinook | Coho ^{b/} | |
| 2007 | WA/OR Border to Cape Falcon | July 1 - Aug. 25; Sept. 2 - 30 | 85 | 2 | 24 | 16 | No more than one Chinook. |
| | Cape Falcon to Humbug Mt. | Mar. 15-June 22; Sept. 17-Oct. 31 | 145 | 2 | 24 | - | All salmon except coho. |
| | | June 23-Sept. 16 | 86 | 2 | 24 | 16 | 50,000 marked coho quota for Cape Falcon to OR/CA Border. |
| | Tillamook Area Twin Rocks to Pyramid Rock Inside 15 fathom curve | Mar. 15-July 31 | 139 | 2 | 24 | - | All retained Chinook must have a healed adipose fin clip. |
| | Tillamook Area Twin Rocks to Pyramid Rock Inside 3 nm | Nov. 1-15 | 15 | 2 | 24 | - | Chinook only. No more than four adults in seven |
| | Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Nov. 1-Dec. 15 | 45 | 2 | 24 | - | All salmon except coho. |
| | Humbug Mt. to OR/CA Border | May 15-June 22 | 39 | 2 | 24 | - | All salmon except coho. |
| | | June 23-Sept. 4 | 74 | 2 | 24 | 16 | 50,000 marked coho quota for Cape Falcon to OR/CA Border. |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 1-14 | 14 | 1 | 24 | - | Chinook only. No more than four Chinook per season. |
| 2008 | WA/OR Border to Cape Falcon | June 1-20 | 20 | 1 | 24 | - | Chinook only. |
| | | June 21-28 | 8 | 2 | 24 | - | Chinook only. |
| | | June 29 - Aug. 17 | 36 | 2 | 24 | 16 | Sun.-Thurs. |
| | Cape Falcon to OR/CA Border | June 22-Aug. 14 | 54 | 2 | - | 16 | All salmon except Chinook; 9,000 marked coho quota. |
| | Tillamook Area Twin Rocks to Pyramid Rock Inside 3 nm | Sept. 1-Nov. 15 | 76 | 2 | 24 | - | Chinook only, only one of which can be unmarked. No more than five unmarked Chinook per season. |
| | Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area) | Nov. 1-30 | 30 | 2 | 24 | - | Chinook only, only one of which can be unmarked. No more than five unmarked Chinook per season. |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 1-4, 11 | 5 | 1 | 24 | - | Chinook only. No more than four Chinook per season. |

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2011.^{a/} (Page 8 of 10)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions ^{c/} |
|------|--|-----------------------|------|-----------|--------------------------|--------------------|--|
| | | | | | Chinook | Coho ^{b/} | |
| 2009 | WA/OR Border to Cape Falcon | June 28 - July 31 | 34 | 2 | 24 | 16 | No more than one Chinook. |
| | | Aug. 1-31; Sept. 7-30 | 55 | 2 | 24 | 16 | Two Chinook allowed. |
| | Cape Falcon to Humbug Mt. | June 20-Aug. 31 | 73 | 3 | - | 16 | All salmon except Chinook; Cape Falcon to OR/CA Border June 20-Aug. 31; 110,000 marked coho quota. |
| | | Sept. 1-30 | 30 | 2 | - | 16 | All salmon except Chinook; 9,560 marked coho quota. |
| | Tillamook Area Twin Rocks to Pyramid Rock Inside 3 nm | Sept. 1-30 | 30 | 2 | 24 | 16 | Barbless hooks required through Sept. 30. Two salmon daily, only one of which can be an unmarked Chinook. No more than five unmarked Chinook per season in the Tillamook and Elk River Zones combined. |
| | | Oct. 1-31 | 31 | 2 | - | - | |
| | Cape Blanco to Tichenor Rock: Inside of a line from Cape Blanco to Black Rock to Best Rock to 42°43'48" N. Lat. 124°32'08" W. Long. to Tichenor Rock (Elk River Area) | Oct. 15-Nov. 30 | 47 | 2 | 20 | - | Chinook only; two daily, only one of which can be unmarked. No more than five unmarked Chinook per season in the Tillamook and Elk River Zones combined. |
| | Humbug Mt. to OR/CA Border | June 20-Aug. 28 | 70 | 2 | - | 16 | Border June 20-Aug. 31; 110,000 marked coho quota. |
| | | Aug. 29-31 | 3 | 2 | 24 | 16 | All salmon; Cape Falcon to OR/CA Border June 20-Aug. 31; remainder of 110,000 marked coho quota. |
| | | Sept. 1-7 | 7 | 2 | 24 | - | All salmon except coho; Cape Falcon to OR/CA Border June 20-Aug. 31. |

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2011.^{a/} (Page 9 of 10)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions ^{c/} |
|------|---|-------------------------------|------|-----------|--------------------------|--------------------|---|
| | | | | | Chinook | Coho ^{b/} | |
| 2010 | WA/OR Border to Cape Falcon | June 12-30 | 19 | 2 | 24 | - | 12,000 marked Chinook quota north of Cape Falcon to U.S./Canada border. |
| | | July 1-7 | 7 | 2 | 24 | 16 | No more than one Chinook. |
| | | July 8-Sept. 30 | 85 | 2 | 24 | 16 | Two Chinook allowed. |
| | Cape Falcon to OR/CA Border | May 29-June 25 | 28 | 2 | 24 | - | All salmon except coho. |
| | | June 26-Sept. 6 | 73 | 2 | 24 | 16 | All salmon; 26,000 marked coho quota. |
| | Tillamook Area Twin Rocks to Pyramid Rock Inside 15 fm | May 29-July 31 | 64 | 2 | 24 | 16 | Same regulations as ocean fishery above except that all retained Chinook must be marked. |
| | Tillamook Area Twin Rocks to Pyramid Rock Inside 3 nm | Sept. 1-6 Sept. 7- Oct. 31 | 6 | 2 | 24 | 16 | Barbless hooks required through Sept. 6. Two salmon daily, only one of which can be an unmarked Chinook. No more than 10 unmarked Chinook per season. |
| | Cape Blanco to Humbug Mt.: Inside a line from Cape Blanco to Black Rock to Best Rock to 42°40'30" N. Lat. 124°29'00" W. Long. to Humbug Mt. (Elk River Area) | Oct. 15-Nov. 30 | 47 | 2 | 24 | - | |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 1-12 | 12 | 1 | 24 | - | No more than five Chinook per season. |

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2011.^{a/} (Page 10 of 10)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions ^{c/} |
|--------------------|---|--|------|-----------|--------------------------|--------------------|--|
| | | | | | Chinook | Coho ^{b/} | |
| 2011 ^{d/} | WA/OR Border to Cape Falcon | June 18-25 | 8 | 2 | 24 | - | 4,800 marked Chinook quota Cape Falcon, OR to U.S./Canada Border. |
| | 40,600 coho quota and 7,710 Chinook guideline south of Leadbetter Pt. WA | June 26-Aug. 6 | 42 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Aug. 7-13 | 7 | 2 | 24 | 16 | Seven days per week; no more than two Chinook. |
| | | Aug. 14-28 | 15 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Aug. 29-Sept. 4 | 7 | 2 | 24 | 16 | Seven days per week; Chinook prohibited. |
| | | Sept. 5-30 | 26 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | Cape Falcon to Humbug Mt. | Mar. 15-July 1, Aug. 14-31, Sept. 8-30 | 150 | 2 | 24 | - | All salmon except coho. |
| | | July 2-Aug. 13 | 43 | 2 | 24 | 16 | All salmon; 15,000 marked coho quota. |
| | | Sept. 1-7 | 7 | 2 | 24 | 16 | All salmon; 5,900 non-mark-selective coho quota. |
| | Tillamook Area Twin Rocks to Pyramid Rock Inside 15 fm | Mar. 15-July 31 | 139 | 2 | 24 | 16 | Same regulations as ocean fishery above except that all retained Chinook must be marked. |
| | Tillamook Area Twin Rocks to Pyramid Rock Inside 3 nm | Sept. 8- Oct. 31 | 54 | 2 | 24 | - | Barbless hooks required. Only one unmarked Chinook per day, no more than 10 unmarked Chinook per season. |
| | Cape Blanco to Humbug Mt.: Inside a line from Cape Blanco to Black Rock to Best Rock to 42°40'30" N. Lat. 124°29'00" W. Long. to Humbug Mt. (Elk River Area) | Nov. 1-30 | 30 | 2 | 24 | - | Barbless hooks required. Only one unmarked Chinook per day, no more than 10 unmarked Chinook per season. |
| | Humbug Mt. to OR/CA Border | May 14-Sept. 5 | 114 | 2 | 24 | - | |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 1-12 | 12 | 1 | 24 | - | Barbless hooks required. No more than five Chinook per season. |

a/ For earlier years see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-4.

b/ Mark-selective coho fishery unless otherwise noted; all retained coho must be marked with a healed adipose fin clip except September 1-7, 2011 Cape Falcon to Humbug Mt.

c/ All seasons are seven days per week unless otherwise indicated.

d/ For detailed regulations, including inseason adjustments, see TABLE I-3.

TABLE C-5. Summary of actual Washington commercial salmon seasons in state and federal (EEZ) waters, 2001-2011. ^{a/} (Page 1 of 4)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|-------------|------------------------------------|------------------------|--|------------------------|------------|--------------------------|--------------------|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho ^{b/} | |
| 2001 | U.S./Canada Border to WA/OR Border | May 1-June 15 | - | 46 | - | 28 | - | |
| | | - | July 20-23, 27-30 | - | 8 | 28 | 16 | 65 Chinook per open period vessel limit. |
| | | - | Aug. 3-12 | - | 10 | 28 | 16 | 100 Chinook per open period vessel limit. |
| | | - | Aug. 17-27 | - | 11 | 28 | 16 | 150 Chinook per open period vessel limit. |
| | | - | Aug. 31-Sept. 30 | - | 31 | 28 | 16 | No Chinook limit. |
| 2002 | U.S./Canada Border to WA/OR Border | May 1-June 7 | - | 38 | - | 28 | - | |
| | | July 1-8 | - | 8 | - | 28 | - | 250 Chinook per open period vessel limit. |
| | | July 12-22 | - | 11 | - | 28 | - | 400 Chinook per open period vessel limit. |
| | | July 26-31 | Aug. 1-5 | 6 | 5 | 28 | 16 | 450 Chinook per open period vessel limit; No coho north of Leadbetter Point |
| | | - | Aug. 9-18 | - | 10 | 28 | 16 | 400 Chinook per open period vessel limit; No coho north of Leadbetter Point. |
| | | - | Aug. 22-28 | - | 7 | 28 | 16 | 250 Chinook per open period vessel limit; No coho north of Leadbetter Point. |
| 2003 | U.S./Canada Border to WA/OR Border | May 1-June 6; | - | 37 | - | 28 | - | |
| | | June 26-30 | - | 5 | - | 28 | - | 50 Chinook per open period vessel limit. |
| | | - | July 3-7 | - | 5 | 28 | 16 | 75 Chinook per open period vessel limit. |
| | | - | July 10-14, 17-21, 24-28; July 31- Aug. 4; Aug. 7-11, 14-18, 21-25; Aug. 27-Sept. 1; Sept. 4-8, 11-14 | - | 49 | 28 | 16 | 150 Chinook per open period vessel limit. |
| 2004 | U.S./Canada Border to WA/OR Border | May 1-5 | - | 5 | - | 28 | - | |
| | | May 15-18 | - | 4 | - | 28 | - | 125 Chinook per open period vessel limit. |
| | | May 24-26 | - | 3 | - | 28 | - | 70 Chinook per open period vessel limit. |
| | | June 26-30 | - | 5 | - | 28 | - | 50 Chinook per open period vessel limit. |
| | | - | July 8-12 | - | 5 | 28 | 16 | 100 Chinook per open period vessel limit. |
| | | - | July 16-19, 22-26; July 29-Aug. 2; Aug. 5-9, 11-15, 18-22, 25-29 | - | 34 | 28 | 16 | 125 Chinook per open period vessel limit; No chum beginning Aug. 1. |
| | | - | Sept. 1-5 | - | 5 | 28 | 16 | 125 Chinook per open period vessel limit; no coho mark restriction. |

TABLE C-5. Summary of actual Washington commercial salmon seasons in state and federal (EEZ) waters, 2001-2011.^{a/} (Page 2 of 4)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|------|------------------------------------|--|--|------------------------|------------|--------------------------|--|--|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho ^{b/} | |
| 2005 | U.S./Canada Border to WA/OR Border | May 1-3 | - | 3 | - | 28 | - | 75 Chinook per open period vessel limit. |
| | | May 6-9 | - | 4 | - | 28 | - | 100 Chinook per open period vessel limit. |
| | | May 13-16, 20-26 | - | 11 | - | 28 | - | 125 Chinook per open period vessel limit. |
| | | June 3-6 | - | 4 | - | 28 | - | 60 Chinook per open period vessel limit. |
| | | June 26-30 | - | 5 | - | 28 | - | 30 Chinook per open period vessel limit. |
| | | - | July 7-11; 14-18 | - | 10 | 28 | 16 | 75 Chinook per open period vessel limit. |
| | | - | July 21-25; July 28-Aug. 1; Aug. 3-7, 10-14, 17-22 | - | 36 | 28 | 16 | 100 Chinook per open period vessel limit. |
| 2006 | U.S./Canada Border to WA/OR Border | May 1-2 | - | 2 | - | 28 | - | 75 Chinook per open period vessel limit. |
| | | May 6-9, 13-16, 20-23, 27-30; June 3-6, 10-13 | - | 24 | - | 28 | - | 80 Chinook per open period vessel limit. |
| | | June 27-30 | - | 4 | - | 28 | - | 20 Chinook per open period vessel limit. |
| | | July 15-18, 22-25 | - | 8 | 28 | 16 | 35 Chinook and 35 coho per open period vessel limit. | |
| | | July 29-Aug. 1 | - | 4 | 28 | 16 | 60 Chinook and 35 coho per open period vessel limit. | |
| | | Aug. 5-7, 12-14 | - | 6 | 28 | 16 | 60 Chinook and 40 coho per open period vessel limit. | |
| | | Aug. 19-22, 26-29, Sept. 2-5 Sept. 8-15 | - | 12 | 28 | 16 | 80 Chinook and 40 coho per open period vessel limit. | |
| 2007 | U.S./Canada Border to WA/OR Border | May 1-2, 5-8 | - | 6 | - | 28 | - | Per open period vessel limit: 60 Chinook north of Leadbetter Pt; 40 Chinook south. |
| | | May 12-15, 19-22, 26-29; June 2-5, 9-12, 16-19 | - | 24 | - | 28 | - | Per open period vessel limit: 60 Chinook north of Leadbetter Pt; 30 Chinook south. |
| | | June 23-26 | - | 4 | - | 28 | - | Per open period vessel limit: 50 Chinook north of Leadbetter Pt; 30 Chinook south. |
| | | July 1-3, 7-10, 14-17, 21-24 | - | 15 | 28 | 16 | Per open period vessel limit: 40 Chinook north of Leadbetter Pt; 20 Chinook south. | |
| | | July 28-31; | - | 12 | 28 | 16 | Per open period vessel limit: 20 Chinook north of Leadbetter Pt; 20 Chinook south. | |
| | | Aug. 4-7, 11-14 | - | 18 | 28 | 16 | 20 Chinook and 140 coho per open period vessel limit. | |
| | | Aug. 18-21, 25-28; Sep. 1-4, 8-11, 15-16 | - | 18 | 28 | 16 | 20 Chinook and 140 coho per open period vessel limit. | |

TABLE C-5. Summary of actual Washington commercial salmon seasons in state and federal (EEZ) waters, 2001-2011.^{a/} (Page 3 of 4)

| Year | Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|------|------------------------------------|---|---|------------------------|------------|--------------------------|--------------------|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho ^{b/} | |
| 2008 | U.S./Canada Border to WA/OR Border | May 3-6, 10-13, 17-20, 24-27; May 31-June 3; June 7-10, 14-17 June 21-24 | - | 28 | - | 28 | - | Per open period vessel limit of 50 Chinook north or 50 Chinook south of Leadbetter Point. |
| | | | - | 4 | - | 28 | - | Per open period vessel limit of 35 Chinook north or 35 Chinook south of Leadbetter Point. |
| | | | July 1-2, 5-8, 12-15, 19-22, 26-29 | - | 18 | 28 | 16 | Per open period vessel limit of 35 Chinook and 25 coho north or 35 Chinook and 25 coho south of Leadbetter Point. Plugs >6 in. only. |
| | | | Aug. 2-5, 9-12, 16-19, 23-26, Aug. 30-Sept. 2; Sept. 6-9, 13-16 | - | 28 | 28 | 16 | Per open period vessel limit of 50 Chinook and 25 coho north or 50 Chinook and 25 coho south of Leadbetter Point. Plugs >6 in. only prior to Aug. 16. |
| 2009 | U.S./Canada Border to WA/OR Border | May 1-5, 8-12, 16-19, 23-26; May 30-June 2; June 6-9, 13-16, 20-23, 27-30 | - | - | 38 | 28 | - | Per open period vessel limit of 75 Chinook north of Leadbetter Point or 75 Chinook south of Leadbetter Point. |
| | | - | July 1-7, 11-14; | - | 11 | 28 | 16 | Per open period vessel limit of 40 Chinook and 200 marked coho north of Leadbetter Point or the same south of Leadbetter Point. |
| | | - | July 18-21, 25-28; Aug. 1-4, 8-11, 15-18, 22-25; Aug. 29-Sept. 1; | - | 28 | 28 | 16 | Per open period vessel limit of 75 Chinook and 200 marked coho north of Leadbetter Point or the same south of Leadbetter Point. |
| | | - | Sept. 5-8, 12-15 | | 8 | 28 | 16 | Per open period vessel limit of 75 Chinook and 100 marked coho north of Leadbetter Point or the same south of Leadbetter Point. |

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations, 2001-2011. ^{a/} (Page 1 of 6)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions |
|----------------------------------|----------------------------------|--|----------------|-----------|--------------------------|--------------------|--|
| | | | | | Chinook | Coho ^{b/} | |
| 2001 | U.S./Canada Border to Cape Alava | July 1-Sept. 30 | 92 | 2 | 24 | 16 | No more than one Chinook. |
| | Cape Alava to Queets River | July 1-Sept. 23 | 85 | 2 | 24 | 16 | No more than one Chinook. |
| | Cake Rock-Q Buoy-Teahwhit Head | Sept. 24-Oct. 21 | 28 | 2 | 24 | 16 | No more than one Chinook. |
| | Queets River to Leadbetter Point | July 1-Sept. 6 | 69 | 2 | 24 | 16 | Sun.-Thurs.; No more than one Chinook. |
| | | Sept. 7-30 | 24 | 2 | 24 | 16 | Seven days per week; No more than one Chinook. |
| | Leadbetter Point to WA/OR Border | July 1-Sept. 3 | 47 | 2 | 24 | 16 | Sun.-Thurs.; No more than one Chinook. |
| | | Closed Leadbetter Pt. to N. Head Lighthouse Sept. 4-6; Closed N. Head Lighthouse to Klipsan Beach Sept. 7-30 | Sept. 4-30 | 27 | 2 | 24 | 16 |
| | 2002 | U.S./Canada Border to Cape Alava | May 25-June 16 | 23 | 2 | 24 | - |
| July 7-20 | | | 14 | 2 | 24 | 16 | |
| July 21-31 | | | 11 | 2 | 28 | 16 | |
| Aug. 1-7 | | | 7 | 2 | 28 | 16 | No chum. |
| Aug. 8-Sept. 8 | | | 32 | 2 | - | 16 | No Chinook or chum. |
| Cape Alava to Queets River | | May 25-June 16 | 23 | 2 | 24 | - | Chinook only. |
| | | July 7-20 | 14 | 2 | 24 | 16 | |
| | | July 21-Aug. 7 | 18 | 2 | 28 | 16 | |
| | | Aug. 8-Sept. 8 | 32 | 2 | - | 16 | No Chinook. |
| Cake Rock-Q Buoy-Teahwhit Head | | Sept. 21-Oct. 6 | 16 | 2 | 24 | 16 | No more than one Chinook. |
| | | Queets River to Leadbetter Point | May 25-June 16 | 23 | 2 | 24 | - |
| June 30-July 20 | | | 15 | 2 | 24 | 16 | Sun.-Thurs. |
| July 21-Aug. 17 | | | 20 | 2 | 28 | 16 | Sun.-Thurs. |
| Aug. 18-19 | | | 2 | 2 | - | 16 | Sun.-Thurs.; no Chinook. |
| Leadbetter Point to WA/OR Border | | May 25-June 16 | 23 | 2 | 24 | - | Chinook only. |
| | | July 7-20 | 10 | 2 | 24 | 16 | Sun.-Thurs. |
| | | July 21-Aug. 7 | 14 | 2 | 26 | 16 | Sun.-Thurs. |
| | | Aug. 8-15 | 6 | 2 | - | 16 | Sun.-Thurs.; no Chinook. |
| | | Aug. 16-Sept. 2; Sept. 6-15 | 28 | 2 | - | 16 | Seven days per week; no Chinook. |

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations, 2001-2011.^{a/} (Page 2 of 6)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions | |
|---|--|----------------------------------|-----------------------------|-----------------|--------------------------|--|--|-------------------------------|
| | | | | | Chinook | Coho ^{b/} | | |
| 2003 | U.S./Canada Border to Cape Alava | June 22-July 31 | 40 | 2 ^{d/} | 26 | 16 | No more than one Chinook. | |
| | | Aug. 1-Sept. 14 | 45 | 2 ^{d/} | 26 | 16 | No more than one Chinook; no chum. | |
| | Cape Alava to Queets River Cake Rock-Q Buoy-Teahwhit Head | June 22-Sept. 19 | 90 | 2 ^{d/} | 26 | 16 | No more than one Chinook. | |
| | | Sept. 20-Oct. 5 | 16 | 2 ^{d/} | 26 | 16 | No more than one Chinook. | |
| | Queets River to Leadbetter Point | June 22-July 24 | 25 | 2 | 26 | 16 | Sun.-Thurs.; no more than one Chinook. | |
| | | July 25-Sept. 14 | 52 | 2 | 26 | 16 | Seven days per week; no more than one Chinook. | |
| | Leadbetter Point to WA/OR Border | June 29-July 24 | 20 | 2 | 26 | 16 | Sun.-Thurs.; no more than one Chinook. | |
| | | July 25-Sept. 30 | 68 | 2 | 26 | 16 | Seven days per week; no more than one Chinook. | |
| | 2004 | U.S./Canada Border to Cape Alava | June 27-July 31 | 35 | 2 | 26 | 16 | No more than one Chinook. |
| | | | Aug. 1-Sept. 2; Sept. 10-19 | 43 | 2 | 24 | 16 | Two Chinook allowed; no chum. |
| Cape Alava to Queets River | | June 27-Aug. 12 | 47 | 2 | 26 | 16 | No more than one Chinook. | |
| | | Aug. 13-Sept. 19 | 38 | 2 | 24 | 16 | Two Chinook allowed. | |
| 47°58' N. Lat. to 47°50' N. Lat. Inside 3 nm | | Sept. 25-Oct. 10 | 16 | 2 | 24 | 16 | Two Chinook allowed. | |
| | | | | | | | | |
| Queets River to Leadbetter Point | | June 27-July 22 | 19 | 2 | 26 | 16 | Sun.-Thurs.; no more than one Chinook. | |
| | | July 23-Aug. 12 | 21 | 2 | 26 | 16 | Seven days per week. | |
| | | Aug. 13-28 | 16 | 2 | 24 | 16 | | |
| | | Aug. 29-Sept. 6 | 9 | 2 | 24 | 16 | No coho mark restriction. | |
| Leadbetter Point to WA/OR Border | June 27-July 22 | 19 | 2 | 26 | 16 | Sun.-Thurs.; no more than one Chinook. | | |
| | July 23-Aug. 12 | 21 | 2 | 26 | 16 | Seven days per week. | | |
| | Aug. 13-Sept. 30 | 49 | 2 | 24 | 16 | | | |

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations, 2001-2011.^{a/} (Page 3 of 6)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions |
|----------------------------------|----------------------------------|----------------------------------|-----------------|-----------|--------------------------|--------------------|--|
| | | | | | Chinook | Coho ^{b/} | |
| 2005 | U.S./Canada Border to Cape Alava | July 1-July 31 | 22 | 2 | 24 | 16 | Tues.-Sat.; no more than one Chinook. |
| | | Aug. 1-15 | 10 | 2 | 24 | 16 | Tues.-Sat.; no more than one Chinook; no chum. |
| | | Aug. 16-29 | 10 | 2 | 24 | 16 | Tues.-Sat.; two Chinook allowed; no chum. |
| | | Aug. 30-Sept. 18 | 20 | 2 | 24 | 16 | Seven days per week; two Chinook allowed; no chum. |
| | Cape Alava to Queets River | July 1-28 | 20 | 2 | 24 | 16 | Tues.-Sat.; no more than one Chinook. |
| | | July 29-Sept. 18 | 52 | 2 | 24 | 16 | Seven days per week; two Chinook allowed. |
| | 48°00' N. Lat. to 47°50' N. Lat. | Sept. 24-Oct. 9 | 16 | 2 | 24 | 16 | Seven days per week; two Chinook allowed. |
| | | Queets River to Leadbetter Point | June 26-July 28 | 25 | 2 | 24 | 16 |
| | Leadbetter Point to WA/OR Border | July 29-Sept. 8; Sept. 17-30 | 56 | 2 | 24 | 16 | Seven days per week; two Chinook allowed. |
| | | Sept. 9-16 | 8 | 2 | - | 16 | Seven days per week; no Chinook. |
| | | July 3-28 | 20 | 2 | 24 | 16 | Sun.-Thurs; no more than one Chinook. |
| | 2006 | U.S./Canada Border to Cape Alava | June 30-Aug. 10 | 30 | 2 | 24 | 16 |
| Aug. 11-Sept. 17 | | | 38 | 2 | 24 | 16 | Seven days per week; two Chinook allowed. |
| Cape Alava to Queets River | | June 30-Aug. 10 | 30 | 2 | 24 | 16 | Tues.-Sat.; no more than one Chinook. |
| | | Aug. 11-Sept. 17 | 38 | 2 | 24 | 16 | Seven days per week; two Chinook allowed. |
| 48°00' N. Lat. to 47°50' N. Lat. | | Sept. 23-Oct. 8 | 16 | 2 | 24 | 16 | Seven days per week; two Chinook allowed. |
| | | Queets River to Leadbetter Point | July 3-Aug. 10 | 29 | 2 | 24 | 16 |
| Leadbetter Point to WA/OR Border | | Aug. 11-Sept. 17 | 38 | 2 | 24 | 16 | Seven days per week; two Chinook allowed. |
| | | July 3-Aug. 10 | 29 | 2 | 24 | 16 | Sun.-Thurs.; no more than one Chinook. |
| Leadbetter Point to WA/OR Border | | Aug. 11-Sept. 30 | 51 | 2 | 24 | 16 | Seven days per week; two Chinook allowed. |

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations, 2001-2011.^{a/} (Page 4 of 6)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------|--------------------------|--|---|
| | | | | | Chinook | Coho ^{b/} | |
| 2007 | U.S./Canada Border to Cape Alava | July 3 - Aug. 16 | 33 | 2 ^{e/} | 24 | 16 | Tues.-Sat.; no more than one Chinook. |
| | | Aug. 17 - Sept. 15 | 30 | 2 ^{e/} | 24 | 16 | Seven days per week; no more than one Chinook. |
| | Cape Alava to Queets River | July 3 - Aug. 16 | 33 | 2 ^{e/} | 24 | 16 | Tues.-Sat.; no more than one Chinook. |
| | | Aug. 17 - Sept. 15 | 30 | 2 ^{e/} | 24 | 16 | Seven days per week; no more than one Chinook. |
| | 48°00' N. Lat. to 47°50' N. Lat. | Sept. 22 - Oct. 7 | 16 | 2 ^{e/} | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Queets River to Leadbetter Point | July 1 - Aug. 16 | 35 | 2 | 24 | 16 |
| | Leadbetter Point to WA/OR Border | Aug. 17 - Sept. 16 | 31 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | July 1 - Aug. 25 | 56 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | Sept. 2 - 30 | 29 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. | |
| | | 2008 | U.S./Canada Border to Cape Alava | June 3-20 | 14 | 1 | 24 |
| June 21-28 | 6 | | | 2 | 24 | - | Tues.-Sat.; Chinook only. |
| July 1 - Aug. 23 | 40 | | | 2 | 24 | 16 | Tues.-Sat.; no Chinook retention East of Bonilla-Tatoosh line in August. |
| Aug. 26 - Sept. 13 | 19 | | | 2 | - | 16 | Seven days per week; closed west of Bonilla-Tatoosh line; no chinook retention. |
| Cape Alava to Queets River | June 3-20 | 14 | 1 | 24 | - | Tues.-Sat.; Chinook only. | |
| | June 21-28 | 6 | 2 | 24 | - | Tues.-Sat.; Chinook only. | |
| | July 1 - Aug. 23 | 40 | 2 | 24 | 16 | Tues.-Sat. | |
| | Aug. 26 - Sept. 13 | 19 | 2 | 24 | 16 | Seven days per week. | |
| | Sept. 20 - Oct. 5 | 16 | 2 | 24 | 16 | Seven days per week. | |
| Queets River to Leadbetter Point | June 1-19 | 15 | 1 | 24 | - | Sun.-Thurs.; Chinook only. | |
| | June 22-26 | 5 | 2 | 24 | - | Sun.-Thurs.; Chinook only. | |
| | June 29 - Aug. 25 | 42 | 2 | 24 | 16 | Sun.-Thurs. | |
| | Aug. 26 - Sept. 13 | 19 | 2 | 24 | 16 | Seven days per week. | |
| Leadbetter Point to WA/OR Border | June 1-20 | 20 | 1 | 24 | - | Seven days per week; Chinook only. | |
| | June 21-28 | 8 | 2 | 24 | - | Seven days per week; Chinook only. | |
| | June 29 - Aug. 17 | 36 | 2 | 24 | 16 | Sun.-Thurs. | |

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations, 2001-2011.^{a/} (Page 5 of 6)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions |
|-----------------|------------------------------------|--------------------|------|-----------------|--------------------------|----------------------|---|
| | | | | | Chinook | Coho ^{b/} | |
| 2009 | U.S./Canada Border to Cape Alava | June 27 - July 17 | 15 | 2 ^{f/} | 24 | 16 | Tue.-Sat.; no more than one Chinook. |
| | | July 18-31 | 14 | 2 ^{f/} | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Aug. 1-Sept. 20 | 51 | 2 ^{f/} | 24 | 16 | Seven days per week. |
| | Cape Alava to Queets River | June 27 - July 17 | 15 | 2 ^{f/} | 24 | 16 | Tue.-Sat.; no more than one Chinook. |
| | | July 18-31 | 14 | 2 ^{f/} | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Aug. 1-Sept. 20 | 51 | 2 ^{f/} | 24 | 16 | Seven days per week. |
| | 48°00' N. Lat. to 47°50' N. Lat. | Sept. 26 - Oct. 11 | 16 | 2 ^{f/} | 24 | 16 | Seven days per week. |
| | Queets River to Leadbetter Point | June 28 - July 23 | 20 | 2 ^{d/} | 24 | 16 | Sun.-Thurs.; no more than one Chinook. |
| | | July 24-31 | 8 | 2 ^{d/} | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Aug. 1-Sept. 20 | 51 | 2 ^{d/} | 24 | 16 | Seven days per week. |
| | Leadbetter Point to WA/OR Border | June 28 - July 31 | 34 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Aug. 1-Aug. 31 | 31 | 2 | 24 | 16 | Seven days per week. |
| Sept. 7-30 | | 24 | 2 | 24 | 16 | Seven days per week. | |
| 2010 | U.S./Canada Border to WA/OR Border | June 12-30 | 19 | 2 | 24 | - | 12,000 marked Chinook quota north of Cape Falcon, OR. |
| | U.S./Canada Border to Cape Alava | July 1-7 | 5 | 2 | 24 | 16 | Tue.-Sat.; no more than one Chinook. |
| | | July 8-22 | 11 | 2 | 24 | 16 | Tue.-Sat.; two Chinook allowed. |
| | | July 23-Sept. 19 | 59 | 2 | 24 | 16 | Seven days per week. |
| | Cape Alava to Queets River | July 1-7 | 5 | 2 | 24 | 16 | Tue.-Sat.; no more than one Chinook. |
| | | July 8-22 | 11 | 2 | 24 | 16 | Tue.-Sat.; two Chinook allowed. |
| | | July 23-Sept. 19 | 59 | 2 | 24 | 16 | Seven days per week. |
| | 48°00' N. Lat. to 47°50' N. Lat. | Sept. 25 - Oct. 10 | 16 | 2 | 24 | 16 | Seven days per week. |
| | Queets River to Leadbetter Point | July 4-7 | 4 | 2 | 24 | 16 | Sun.-Thurs.; no more than one Chinook. |
| | | July 8-22 | 11 | 2 | 24 | 16 | Sun.-Thurs.; two Chinook allowed. |
| | | July 23-Sept. 19 | 59 | 2 | 24 | 16 | Seven days per week. |
| | Leadbetter Point to WA/OR Border | July 1-7 | 7 | 2 | 24 | 16 | No more than one Chinook. |
| July 8-Sept. 30 | | 85 | 2 | 24 | 16 | Two Chinook allowed. | |

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations, 2001-2011.^{a/} (Page 6 of 6)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) | | Other Restrictions |
|--------------------|--|-------------------|------|-----------------|--------------------------|--------------------|--|
| | | | | | Chinook | Coho ^{b/} | |
| 2011 ^{c/} | U.S./Canada Border to WA/OR Border | June 18-25 | 8 | 2 | 24 | - | 4,800 marked Chinook quota north of Cape Falcon, OR. |
| | U.S./Canada Border to Cape Alava | June 26-July 31 | 36 | 2 ^{d/} | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Aug. 1-28 | 28 | 2 ^{d/} | 24 | 16 | Seven days per week; no more than two Chinook. |
| | 5,990 coho quota and 3,330 Chinook guideline. | Aug. 29-Sept. 4 | 7 | 2 ^{d/} | 24 | 16 | Seven days per week; Chinook prohibited. |
| | | Sept. 5-18 | 11 | 2 ^{d/} | 24 | 16 | Seven days per week; no more than one Chinook. |
| | Cape Alava to Queets River | June 26-July 31 | 36 | 2 ^{d/} | 24 | 16 | Seven days per week; no more than one Chinook. |
| | 2,600 coho quota and 1,460 Chinook guideline. | Aug. 1-28 | 28 | 2 ^{d/} | 24 | 16 | Seven days per week; no more than two Chinook. |
| | | Aug. 29-Sept. 4 | 7 | 2 ^{d/} | 24 | 16 | Seven days per week; Chinook prohibited. |
| | | Sept. 5-18 | 11 | 2 ^{d/} | 24 | 16 | Seven days per week; no more than one Chinook. |
| | 48°00' N. Lat. to 47°50' N. Lat. | Sept. 24 - Oct. 9 | 16 | 2 ^{d/} | 24 | 16 | Seven days per week; no more than one Chinook. |
| | Queets River to Leadbetter Point | June 26-July 31 | 26 | 2 | 24 | 16 | Sun.-Thurs.; no more than one Chinook. |
| | 24,860 coho quota and 17,600 Chinook guideline. | Aug. 1-6 | 6 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Aug. 7-13 | 7 | 2 | 24 | 16 | Seven days per week; no more than two Chinook. |
| | | Aug. 14-18 | 5 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Aug. 19-28 | 6 | 2 | 24 | 16 | Sun.-Thurs.; no more than one Chinook. |
| | | Aug. 29-Sept. 4 | 7 | 2 | 24 | 16 | Seven days per week; Chinook prohibited. |
| | | Sept. 5-18 | 14 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | Leadbetter Point to WA/OR Border. | June 26-Aug. 6 | 42 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Aug. 7-13 | 7 | 2 | 24 | 16 | Seven days per week; no more than two Chinook. |
| | 33,600 coho quota and 7,710 Chinook guideline for Leadbetter | Aug. 14-28 | 15 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | Pt. to Cape Falcon, OR | Aug. 29-Sept. 4 | 7 | 2 | 24 | 16 | Seven days per week; Chinook prohibited. |
| | | Sept. 5-30 | 26 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |

a/ For earlier years see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-6.

b/ Mark selective coho fishery; all retained coho must be marked with a healed adipose fin clip except Aug. 29-Sept. 6, 2004 Queets River to Leadbetter Point.

c/ For detailed regulations, including quotas and inseason adjustments, see TABLE I-3.

d/ Plus one additional pink salmon.

e/ Plus one additional pink salmon beginning August 1.

f/ Plus two additional pink salmon.

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2011.^{a/} (Page 1 of 8)

| Year | Tribe/Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions | |
|---|--|--|-----------------|------------------------|------------|--------------------------|------|--------------------|--|
| | | All-Salmon- Except-Coho | All Salmon | All-Salmon- Except- | All Salmon | Chinook | Coho | | |
| 2001 | Quinault, Quileute, and Hoh Sand Point to Point Chehalis | May 1-June 30 | - | 61 | - | 24 | - | | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | | |
| | Makah Ocean waters north of 48°02'15" N. Lat. and east of 125°44'00" W. Long. | May 1-June 30 | - | 61 | - | 24 | - | | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | | |
| | | Area 4B inside waters | Jan. 1-Apr. 15 | - | 105 | - | 22 | - | |
| | | May 1-June 30 | - | 61 | - | 24 | - | | |
| | | - | July 2-Sept. 15 | - | 76 | 24 | 16 | | |
| | | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | | |
| | S'Klallam Area 4B inside waters | - | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | | |
| | | May 1-June 30 | - | 61 | - | 24 | - | | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | | |
| | | Nov. 1-Dec. 31 | - | 61 | - | 22 | - | | |
| | 2002 | Quinault, Quileute, and Hoh Sand Point to Point Chehalis | May 1-June 30 | - | 61 | - | 24 | - | |
| | | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | | Makah Ocean waters north of 48°02'15" N. Lat. and east of 125°44'00" W. Long. | May 1-June 30 | - | 61 | - | 24 | - | |
| - | | | July 1-Sept. 15 | - | 77 | 24 | 16 | | |
| Area 4B inside waters | | | Jan. 1-Apr. 15 | - | 105 | - | 22 | - | |
| | | May 1-June 30 | - | 61 | - | 24 | - | | |
| | | - | July 2-Sept. 15 | - | 76 | 24 | 16 | | |
| | | Sept. 16-Oct. 31 | - | 46 | - | 24 | - | | |
| | | Nov. 1-Dec. 31 | - | 61 | - | 22 | - | | |
| S'Klallam Area 4B inside waters | | - | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | | |
| | | May 1-June 30 | - | 61 | - | 24 | - | | |
| | | - | July 1-Oct. 31 | - | 123 | 24 | 16 | | |
| | | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | | |

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2011.^{a/} (Page 2 of 8)

| Year | Tribe/Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|------|---|--------------------------------------|------------------|--------------------|------------|--------------------------|---|---|
| | | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except- | All Salmon | Chinook | Coho | |
| 2003 | Quinault, Quileute, and Hoh | | | | | | | |
| | Sand Point to Point Chehalis | May 1-June 30 | - | 61 | - | 24 | - | No size limits for ceremonial and subsistence |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | No size limits for ceremonial and subsistence |
| | Sand Point to Queets River (Quileute only) | - | Sept. 16-Oct. 15 | - | 30 | None | None | Ceremonial and subsistence only |
| | Makah | | | | | | | |
| | Ocean waters north of 48°02'15" N. Lat. and east of 125°44'00" W. Long. | May 1-June 30 | - | 61 | - | 24 | - | No size limits for ceremonial and subsistence |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | No size limits for ceremonial and subsistence |
| | Area 4B inside waters | Jan. 1-Apr. 15 | - | 105 | - | 22 | - | No size limits for ceremonial and subsistence |
| | | May 1-June 30 | - | 61 | - | 24 | - | No size limits for ceremonial and subsistence |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | No size limits for ceremonial and subsistence |
| | | Sept. 16-Oct. 31 | - | 46 | - | 24 | - | No size limits for ceremonial and subsistence |
| | | Nov. 1-Dec. 31 | - | 61 | - | 22 | - | No size limits for ceremonial and subsistence |
| | S'Klallam | | | | | | | |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | No size limits for ceremonial and subsistence |
| | May 1-June 30 | - | 61 | - | 24 | - | No size limits for ceremonial and subsistence | |
| | - | July 1-Oct. 31 | - | 123 | 24 | 16 | No size limits for ceremonial and subsistence | |
| | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | No size limits for ceremonial and subsistence | |
| 2004 | Quinault, Quileute, and Hoh | | | | | | | |
| | Sand Point to Point Chehalis | May 1-June 17 | - | 48 | - | 24 | - | |
| | | - | July 1-Sept. 10 | - | 72 | 24 | 16 | |
| | Sand Point to Queets River (Quileute only) | - | Sept. 16-Oct. 15 | - | 30 | 24 | 16 | Ceremonial and subsistence only |
| | Makah | | | | | | | |
| | Ocean waters north of 48°02'15" N. Lat. and east of 125°44'00" W. Long. | May 1-June 17 | - | 48 | - | 24 | - | |
| | | - | July 1-Sept. 10 | - | 72 | 24 | 16 | |
| | Area 4B inside waters | Jan. 1-Apr. 15 | - | 106 | - | 22 | - | |
| | | May 1-June 17 | - | 48 | - | 24 | - | |
| | | - | July 1-Sept. 10 | - | 72 | 24 | 16 | |
| | | Sept. 16-Oct. 31 | - | 46 | - | 24 | - | |
| | | Nov. 1-Dec. 31 | - | 61 | - | 22 | - | |
| | S'Klallam | | | | | | | |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | - | 106 | 22 | 16 | |
| | May 1-June 17 | - | 48 | - | 24 | - | | |
| | - | July 1-Sept. 10; Sept. 16-Oct. 31 | - | 118 | 24 | 16 | | |
| | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | | |

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2011.^{a/} (Page 3 of 8)

| Year | Tribe/Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|------|--|----------------------------|---|------------------------|------------|--------------------------|------|---------------------------------|
| | | All-Salmon- Except-Coho | All Salmon | All-Salmon- Except- | All Salmon | Chinook | Coho | |
| 2005 | Quinault, Quileute, and Hoh | | | | | | | |
| | Sand Point to Point Chehalis | May 1-June 23 | - | 54 | - | 24 | - | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | Sand Point to Queets River (Quileute only) | | Sept. 16-Oct. 15 | - | 30 | 24 | 16 | Ceremonial and subsistence only |
| | Makah | | | | | | | |
| | Ocean waters north of 48°02'15" N. Lat. and east of 125°44'00" W. Long. | May 1-June 23 | - | 54 | - | 24 | - | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | Area 4B inside waters | | Jan. 1-Feb. 3 | - | 34 | 22 | 16 | |
| | | May 1-June 23 | - | 54 | - | 24 | - | |
| | | - | July 1-July 3 | - | 55 | 24 | 16 | |
| | | | July 19-23; 26-30; Aug. 2-6; 9-13; Aug. 15-Sept. 15 | - | | | | |
| | | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | |
| | S'Klallam | | | | | | | |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | | May 1-June 23 | - | 54 | - | 24 | - | |
| | | - | July 1-Sept. 15; Sept. 16-Oct. 31 | - | 123 | 24 | 16 | |
| | | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | |

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2011.^{a/} (Page 4 of 8)

| Year | Tribe/Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|------|--|----------------------------|--------------------------------------|------------------------|------------|--------------------------|------|---------------------------------|
| | | All-Salmon- Except-Coho | All Salmon | All-Salmon- Except- | All Salmon | Chinook | Coho | |
| 2006 | Quinault, Quileute, and Hoh | | | | | | | |
| | Sand Point to Point Chehalis | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | Sand Point to Queets River (Quileute only) | | Sept. 16-Oct. 15 | - | 30 | 24 | 16 | Ceremonial and subsistence only |
| | Makah | | | | | | | |
| | Ocean waters north of 48°02'15" N. Lat. and east of 125°44'00" W. Long. | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | Area 4B inside waters | | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | |
| | S'Klallam | | | | | | | |
| | Area 4B inside waters | | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Sept. 15; Sept. 16-Oct. 31 | - | 123 | 24 | 16 | |
| | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | | |
| 2007 | Quinault, Quileute, and Hoh | | | | | | | |
| | Sand Point to Point Chehalis | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Sept. 4 | - | 66 | 24 | 16 | |
| | Sand Point to Queets River (Quileute only) | | Sept. 16-Oct. 15 | | 30 | 24 | 16 | Ceremonial and subsistence only |
| | Makah | | | | | | | |
| | Ocean waters north of 48°02'15" N. Lat. and east of 125°44'00" W. Long. | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Aug. 31 | - | 62 | 24 | 16 | |
| | Area 4B inside waters | | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Aug. 31 | - | 62 | 24 | 16 | |
| | | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | |
| | S'Klallam | | | | | | | |
| | Area 4B inside waters | | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Oct. 31 | - | 123 | 24 | 16 | |
| | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | | |

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2011.^{a/} (Page 5 of 8)

| Year | Tribe/Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|------|--|----------------------------|------------------|------------------------|------------|--------------------------|------|---------------------------------|
| | | All-Salmon- Except-Coho | All Salmon | All-Salmon- Except- | All Salmon | Chinook | Coho | |
| 2008 | Quinault, Quileute, and Hoh | | | | | | | |
| | Sand Point to Point Chehalis | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | Sand Point to Queets River (Quileute only) | - | Sept. 16-Oct. 15 | - | 30 | 24 | 16 | Ceremonial and subsistence only |
| | Makah | | | | | | | |
| | Ocean waters north of 48°02'15" N. Lat. and east of 125°44'00" W. Long. | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | - | 106 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | |
| | S'Klallam | | | | | | | |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | - | 106 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Oct. 31 | - | 123 | 24 | 16 | |
| | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | | |

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2011.^{a/} (Page 6 of 8)

| Year | Tribe/Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|-------------|--|----------------------------|--|------------------------|--------------------|--------------------------|----------------------|--|
| | | All-Salmon- Except-Coho | All Salmon | All-Salmon- Except- | All Salmon | Chinook | Coho | |
| 2009 | Quinault, Quileute, and Hoh | | | | | | | |
| | Sand Point to Point Chehalis | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Aug. 18; Aug. 19-21; Sept. 8-Sept. 11 | - | 48 3 4 | 24 24 24 | 16 16 16 | Quinault only 50 coho landing limit Quinault only 68 coho landing limit |
| | (Quileute only) | - | Sept. 16-Oct. 15 | - | 30 | 24 | 16 | Ceremonial and subsistence only |
| | Makah | | | | | | | |
| | Ocean waters north of 48°02'15" N. Lat. and east of 125°44'00" W. Long. | - | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Aug. 17 Aug. 18-20 Sept. 9-Sept. 15 | - | 48 3 7 | 24 24 24 | 16 16 16 | 25 coho landing limit 5 coho landing limit |
| | | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Aug. 17 Aug. 18-20 Sept. 9-Sept. 15 Nov. 1-Dec. 31 | - | 48 3 7 61 | 24 24 24 22 | 16 16 16 16 | 25 coho landing limit 5 coho landing limit |
| | S'Klallam | | | | | | | |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Oct. 31 Nov. 1-Dec. 31 | - | 123 61 | 24 22 | 16 16 | |

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2011.^{a/} (Page 7 of 8)

| Year | Tribe/Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|-------------|--|----------------------------|------------------|------------------------|------------|--------------------------|------|---------------------------------|
| | | All-Salmon- Except-Coho | All Salmon | All-Salmon- Except- | All Salmon | Chinook | Coho | |
| 2010 | Quinault, Quileute, and Hoh | | | | | | | |
| | Sand Point to Point Chehalis | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | (Quileute only) | - | Sept. 16-Oct. 15 | - | 30 | 24 | 16 | Ceremonial and subsistence only |
| | Makah | | | | | | | |
| | Ocean waters north of 48°02'15" N. Lat. and east of 125°44'00" W. Long. | - | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | Area 4B inside waters | | | | | | | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | |
| | S'Klallam | | | | | | | |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Oct. 31 | - | 123 | 24 | 16 | |
| | | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | |

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2011.^{a/} (Page 8 of 8)

| Year | Tribe/Area | Seasons | | Number of Days | | Minimum Size Limit (in.) | | Other Restrictions |
|--------------------|--|----------------------------|------------------|------------------------|------------|--------------------------|----------------------------|---|
| | | All-Salmon- Except-Coho | All Salmon | All-Salmon- Except- | All Salmon | Chinook | Coho | |
| 2011 ^{b/} | Quinault, Quileute, and Hoh | | | | | | | |
| | Sand Point to Point Chehalis | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Aug. 19 | - | 50 | 24 | 16 | |
| | | - | Aug. 24-Sept. 7 | - | 15 | 24 | 16 | 23 Chinook per vessel per week landing limit |
| | Sand Point to Queets River (Quileute only) | - | Sept. 16-Oct. 15 | - | 30 | 24 | 16 | Ceremonial and subsistence only |
| | Makah | | | | | | | |
| | Ocean waters north of 48°02'15" N. Lat. and east of 125°44'00" W. Long. | - | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 7-July 23 | - | 17 | 24 | 16 | |
| | | - | July 25-Aug. 8 | - | 15 | 24 | 16 | 100 Chinook per vessel per week landing limit |
| | | - | Aug. 9-Aug. 16 | - | 8 | 24 | 16 | 75 Chinook per vessel per week landing limit |
| | | - | Aug. 17-Aug. 19 | - | 3 | 24 | 16 | 100 Chinook per vessel per week landing limit |
| | | - | Aug. 24-Sept. 6 | - | 14 | 24 | 16 | 23 Chinook per vessel per week landing limit |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 7-July 23 | - | 17 | 24 | 16 | |
| | | - | July 25-Aug. 8 | - | 15 | 24 | 16 | 100 Chinook per vessel per week landing limit |
| | | - | Aug. 9-Aug. 16 | - | 8 | 24 | 16 | 75 Chinook per vessel per week landing limit |
| | | - | Aug. 17-Aug. 19 | - | 3 | 24 | 16 | 100 Chinook per vessel per week landing limit |
| | | - | Aug. 24-Sept. 6 | - | 14 | 24 | 16 | 23 Chinook per vessel per week landing limit |
| | | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | |
| | S'Klallam | | | | | | | |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | - | 105 | 22 | 16 | |
| | May 1-June 30 | - | 61 | - | 24 | - | | |
| | - | July 1-Oct. 31 | - | 123 | 24 | 16 | Ocean troll closed Sept. 7 | |
| | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | | |

a/ For earlier years see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-7.

b/ For detailed regulations see TABLE I-2.

TABLE C-8. Council preseason adopted catch quotas (thousands of fish) for ocean fisheries north of Cape Falcon and critical stocks driving management. (Page 1 of 2)

| Year | Critical Stocks | Chinook | | | Coho | | | |
|------|---|---------------|-----------------------|-------|--|---------------|-----------------------|-----------------------|
| | | Catch Quota | | | Critical Stocks | Catch Quota | | |
| | | Treaty Indian | Non-Indian Commercias | Sport | | Treaty Indian | Non-Indian Commercias | Sport |
| 1979 | None | - | - | - | None | - | - | - |
| 1980 | None | - | - | - | Washington coastal coho | - | - | - |
| 1981 | None | - | - | - | Hoh and Skagit ^{a/} | - | 372.0 | 248.0 |
| 1982 | None | - | - | - | Washington coastal coho | - | 293.0 | 215.0 |
| 1983 | Columbia River hatchery and depressed upriver stocks | - | 114.0 | 88.0 | Queets and Skagit ^{b/} | - | 164.0 | 318.0 |
| 1984 | Columbia River Lower River and Spring Creek Hatchery tules | 8.3 | 16.7 | 10.3 | Grays Harbor | 38.5 | 24.8 | 50.2 |
| 1985 | Columbia River Spring Creek Hatchery tules | 10.5 | 47.5 ^{c/} | 37.2 | Skagit | 75.0 | 91.5 | 198.4 |
| 1986 | Columbia River Spring Creek Hatchery tules | 12.5 | 51.0 | 37.1 | Quillayute and Queets | 86.0 | 140.6 | 207.5 |
| 1987 | Columbia River Spring Creek Hatchery tules | 15.8 | 58.2 ^{d/} | 44.6 | Skagit | 86.0 | 141.2 | 200.9 |
| 1988 | Columbia River upriver stocks | 60.0 | 73.7 | 29.8 | Washington coastal and Puget Sound | 68.0 | 0.0 ^{e/} | 100.0 |
| 1989 | Columbia River upriver stocks | 32.0 | 47.5 | 47.5 | Queets and Skagit | 77.0 | 75.0 | 225.0 |
| 1990 | Columbia River Lower River Hatchery tules | 31.2 | 37.5 | 37.5 | Queets and Skagit | 90.0 | 105.0 | 245.0 |
| 1991 | Columbia River Lower River Hatchery tules | 33.0 | 40.0 | 40.0 | Hood Canal and Skagit | 80.0 | 87.0 | 233.0 |
| 1992 | Columbia River Lower River and Spring Creek Hatchery tules, and Snake River falls | 33.0 | 47.0 | 33.0 | Hood Canal and Stillaguamish | 68.0 | 19.0 | 141.0 |
| 1993 | Columbia River Lower River and Spring Creek Hatchery tules, and Snake River falls | 33.0 | 35.0 | 25.0 | Skagit | 90.0 | 47.5 | 202.5 |
| 1994 | Columbia River Lower River Hatchery tules and Snake River falls | 16.4 | 0.0 | 0.0 | Washington coastal and Puget Sound | 0.0 | 0.0 | 0.0 |
| 1995 | Columbia River Lower River Hatchery tules and Snake River falls | 12.0 | 0.0 | 0.0 | Washington coastal and Puget Sound | 30.0 | 25.0 | 75.0 |
| 1996 | Columbia River Lower River Hatchery tules and Snake River falls | 11.0 | 0.0 | 0.0 | Washington coastal and Puget Sound | 30.0 | 20.8 | 62.2 |
| 1997 | Snake River falls | 15.0 | 11.5 | 5.2 | Washington coastal and Puget Sound | 12.4 | 0.0 | 32.3 ^{f/} |
| 1998 | Columbia River Lower River Hatchery tules | 15.0 | 6.5 | 3.5 | Washington coastal and Oregon Coast Natural | 10.0 | 0.0 | 16.0 |
| 1999 | Columbia River Lower River Wild (Lewis River) | 30.0 | 28.5 | 21.5 | Queets, Strait of Juan de Fuca, and Oregon Coast Natural | 38.5 | 20.0 | 110 ^{g/} |
| 2000 | Columbia River Lower River Wild (Lewis River) | 25.5 | 12.5 | 12.5 | Strait of Juan de Fuca, and Oregon Coast Natural | 20.0 | 25.0 ^{g/} | 75.0 ^{g/} |
| 2001 | Columbia River natural tules (Coweeman) | 37.0 | 30.0 | 30.0 | Oregon Coast Natural | 90.0 | 75.0 ^{g/} | 225.0 ^{g/} |
| 2002 | Columbia River natural tules (Coweeman) | 60.0 | 82.5 | 67.5 | Oregon Coast Natural | 60.0 | 5.0 ^{g/i/} | 115.0 ^{g/i/} |

TABLE C-8. Council preseason adopted catch quotas (thousands of fish) for ocean fisheries north of Cape Falcon and critical stocks driving management. (Page 2 of 2)

| Year | Critical Stocks | Chinook | | | Coho | | | |
|------|---|---------------|-----------------------|--------------------|---|-----------------------|--------------------|---------------------|
| | | Catch Quota | | | Catch Quota | | | |
| | | Treaty Indian | Non-Indian Commercias | Sport | Treaty Indian | Non-Indian Commercias | Sport | |
| 2003 | Columbia River natural tules (Coweeman) and Snake River falls | 60.0 | 64.4 | 59.6 | Oregon Coast Natural | 90.0 | 75.0 ^{g/} | 225.0 ^{g/} |
| 2004 | Snake River falls and Columbia River natural tules (Coweeman) | 49.0 | 44.5 | 44.5 | Interior Fraser (B.C.), Oregon Coast Natural, and upper Columbia River escapement | 75.0 | 67.5 ^{g/} | 202.5 ^{g/} |
| 2005 | Snake River falls | 48.0 | 43.3 | 43.3 | Interior Fraser (B.C.) and Skagit River | 50.0 | 23.2 ^{g/} | 121.8 ^{g/} |
| 2006 | Columbia River natural tules (Coweeman) ^{h/} | 42.2 | 34.0 | 31.0 | Lower Columbia River natural and Interior Fraser (B.C.) | 37.5 | 6.8 ^{g/} | 73.2 ^{g/} |
| 2007 | Columbia River natural tules (Coweeman) ^{h/} | 35.0 | 16.3 | 16.3 | Lower Columbia River natural and Interior Fraser (B.C.) | 38.0 | 22.4 ^{g/} | 117.6 ^{g/} |
| 2008 | Lower River wild (Lewis River) ^{h/} and Columbia River natural tules | 37.5 | 20.0 | 20.0 | Lower Columbia River natural and Hood Canal Natural | 20.0 | 4.0 ^{g/} | 20.35 ^{g/} |
| 2009 | Columbia River natural tules | 39.0 | 20.5 | 20.5 | Lower Columbia River, Skagit, Stillaguamish, and Interior Fraser Natural | 60.0 | 33.6 ^{g/} | 176.4 ^{g/} |
| 2010 | Columbia River natural tules | 55.0 | 56.0 | 61.0 ^{i/} | Lower Columbia River, Strait of Juan de Fuca, and Interior Fraser Natural | 41.5 | 12.8 ^{g/} | 67.2 ^{g/} |
| 2011 | Columbia River natural tules | 41.0 | 30.9 | 33.7 ^{j/} | Lower Columbia River and Interior Fraser Natural | 42.0 | 12.8 ^{g/} | 67.2 ^{g/} |

a/ Although the Skagit River escapement goal would not be achieved, management was based on meeting WDFW's escapement goal for Hoh River coho and allocation based on aggregation to Washington coastal tribes.

b/ The Council management regime was not expected to meet equitable adjustment requirements for Skagit River coho.

c/ Plus 7,430 hooking mortality for pink fishery.

d/ Plus 3,250 hooking mortality for pink fishery.

e/ Hooking mortality of 2,800 coho for June 1-15 fishery not included.

f/ Plus 1,200 hook-and-release mortality for the Neah Bay all-salmon-except-coho fishery.

g/ Marked hatchery coho only (healed adipose fin clip). Except 2004 non-Indian troll Sept. 1-5 between Queets River and Cape Falcon, and sport Aug. 29-Sept. 6 between Queets River and Leadbetter Point.

h/ Sharing of impacts on ESA listed Puget Sound Chinook also affected the shaping of ocean and inside fisheries.

i/ For 2002, the Council elected to constrain fishing so that the OCN exploitation rate would not exceed 12.5 percent per ODFW's recommendation to provide additional protection for lower Columbia River natural coho, which are listed as endangered under the Oregon State-ESA. The FMP objective for OCN coho was 15 percent.

j/ Includes mark-selective fishery quotas of: 12,000 (equivalent to 5,000 non-mark selective quota) in 2010, and 4,800 (equivalent to 2,000 non-mark selective quota) in 2011.

GENERAL MANAGEMENT ACTIONS AND INSEASON CONFERENCES

| | |
|------------|---|
| Mar. 3 | National Marine Fisheries Service (NMFS) provides the Council with a letter outlining the 2011 management guidance for stocks listed under the Endangered Species Act (ESA) and stocks of concern. |
| Mar. 7 | Based on Council recommendations, NMFS takes inseason action to: <ol style="list-style-type: none"> 1) Delay the scheduled opening for the commercial salmon fishery from Cape Falcon, Oregon to Humbug Mountain, Oregon, from March 15, 2011, to April 15, 2011. 2) Cancel the commercial fishery from Humbug Mountain, Oregon to the Oregon/California Border previously scheduled for March 15 to April 30. 3) Establish a recreational fishery from Horse Mountain to Point Arena open April 2-30, 2011, seven days per week, all salmon except coho, two fish per day, and Chinook minimum size limit of 24 inches total length. 4) Establish a recreational fishery from Point Arena to the U.S./Mexico Border open April 2-30, 2011, seven days per week, all salmon except coho, two fish per day, and Chinook minimum size limit of 24 inches total length. <p>New regulations to take effect May 1, 2011.</p> |
| Mar. 9 | Council adopts three commercial, tribal, and recreational ocean salmon fishery management alternatives for public review. |
| Mar. 15-16 | North of Cape Falcon Salmon Forum meets in Olympia and Lacey, Washington to initiate consideration of recommendations for treaty Indian and non-Indian salmon management alternatives. |
| Mar. 28-29 | Council holds public hearings on proposed 2011 management alternatives in Westport, Washington; Coos Bay, Oregon; and Eureka, California. |
| Apr. 5-6 | North of Cape Falcon Salmon Forum meets in Lynnwood, Washington to further consider recommendations for treaty Indian and non-Indian salmon management alternatives. |
| Apr. 13 | Council adopts final ocean salmon fishery management recommendations for approval and implementation by the U.S. Secretary of Commerce. The proposed measures comply with the salmon fishery management plan (FMP) and the current biological opinions for listed species. |
| May 4 | Ocean salmon seasons implemented as recommended by the Council and published in the <i>Federal Register</i> on May 5 (75 FR 25246), with an effective date of May 1, 2011. |
| May 26 | NMFS inseason conference number two results in closing the non-Indian commercial salmon troll fishery to retention of incidentally caught Pacific halibut effective May 28, 2011, until further notice. |
| June 20 | NMFS inseason conference number three for the U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon-except-coho fishery results in closing the fishery effective June 21; the fishery will reopen June 23 through June 30 with a landing and possession limit of 30 Chinook salmon per vessel for the open period. |
| July 14 | NMFS inseason conference number four results in changing the open period landing and possession limit to 30 Chinook and 50 marked coho per vessel north of Leadbetter Point or 30 Chinook and 50 marked coho south of Leadbetter Point for the U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon fishery effective July 15. |
| July 18 | NMFS inseason conference number five results in closing the commercial salmon fishery from Oregon/California border to Humboldt South Jetty effective July 18 as the quota was reached. |
| July 28 | NMFS inseason conference number six results in modifying the commercial salmon fishery from Oregon/California border to Humboldt south jetty to open Monday, August 1 through Friday, August 5, subject to a quota of 880 Chinook (1,000 preseason minus 120 from 176 overage in July fishery; KRFC impact neutral), with a daily landing limit of 30 Chinook per vessel per day. |

TABLE C-9. Sequence of events in ocean salmon fishery management, 2011.^{a/} (Page 2 of 6)

GENERAL MANAGEMENT ACTIONS AND INSEASON CONFERENCES (continued)

| | |
|---------|---|
| | NMFS inseason conference number seven results in: <ol style="list-style-type: none"> 1) Reopening the non-Indian commercial salmon troll fishery to retention of incidentally caught Pacific halibut effective July 29, 2011, subject to a landing limit of no more than one halibut per seven-day period, Friday through Thursday, and a remaining quota of 2,952 lbs. 2) Opening the recreational fishery from Queets River to Leadbetter Point seven days per week effective August 1 until further notice. 3) Changing the bag limit to allow retention of two Chinook for the U.S./Canada border to Queets River, recreational all-salmon fishery effective August 1. |
| Aug. 2 | NMFS inseason conference number eight results in closing the commercial salmon fishery from Oregon/California border to Humboldt South Jetty effective August 2 as the quota was reached. |
| Aug. 3 | NMFS inseason conference number nine results in changing the bag limit to allow retention of two Chinook for the Queets River to Cape Falcon, recreational all-salmon fishery effective August 7. |
| Aug. 11 | NMFS inseason conference number 10 results in suspending the August 12-16 open period for the for the U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon fishery. |
| Aug. 12 | NMFS inseason conference number 11 results in changing the bag limit to allow retention of no more than one Chinook for the Queets River to Cape Falcon, recreational all-salmon fishery effective August 14. |
| Aug. 16 | NMFS inseason conference number 12 results in closing the recreational fishery from Queets River to Leadbetter Point on Fridays and Saturdays until further notice. |
| Aug. 17 | NMFS inseason conference number 13 results in opening the U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon fishery for one day, August 19, with a landing limit of 12 Chinook and 50 marked coho per vessel for the open period. |
| Aug. 23 | NMFS inseason conference number 14 results in opening the recreational salmon fishery from the U.S./Canada Border to Cape Falcon, Oregon to seven days per week with no retention of Chinook salmon effective August 29. |
| Aug. 24 | NMFS inseason conference number 15 results: <ol style="list-style-type: none"> 1. Changing the bag limit to prohibit retention of Chinook for the U.S./Canada border to Cape Falcon, recreational all-salmon fishery effective August 29. 2. Opening the recreational fishery from Queets River to Leadbetter Point seven days per week effective August 29 until further notice. |
| Aug. 25 | NMFS inseason conference number 16 results in increasing the Cape Falcon to Humbug Mt, recreational fishery non-mark selective coho quota to 5,900 (3,000 preseason quota plus impact neutral roll-over of 8,000 coho from the July-August mark-selective coho quota). |
| Aug. 31 | NMFS inseason conference number 17 results in: <ol style="list-style-type: none"> 1. Opening the U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon fishery Saturday through Tuesday, September 3-6 and September 10-13. With an open period landing limit per vessel of 20 Chinook and 100 marked coho. 2. Changing the bag limit to allow retention of one Chinook for the U.S./Canada border to Cape Falcon, recreational all-salmon fishery effective September 5. 3. An impact neutral transfer of 1,000 marked coho from the Neah Bay recreational fishery quota resulting in increasing the La Push recreational fishery quota by 850 marked coho. |
| Sept. 6 | NMFS inseason conference number 18 results in closing the Cape Falcon to Humbug Mt, recreational fishery non-mark selective coho fishery effective September 7 as the quota is reached, and reopening the all salmon except coho fishery effective September 8. |

TABLE C-9. Sequence of events in ocean salmon fishery management, 2011.^{a/} (Page 3 of 6)

NON-INDIAN COMMERCIAL TROLL SEASONS

| | |
|-----------------|--|
| April 15-July 9 | Cape Falcon to Humbug Mt. non-Indian commercial all-salmon-except-coho fishery opens seven days per week. |
| May 1-31 | Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery opens. Pt. Arena to Pt. Sur non-Indian commercial all-salmon-except-coho fishery opens seven days per week. |
| May 1-June 30 | U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon-except-coho fishery opens May 1 through the earlier of June 30 or a 20,600 Chinook quota. 1) May 1-June 21: Seven days per week, no landing and possession limit. 2) June 23-30: landing and possession limit of 30 Chinook per vessel per open period. |
| May 1-July 5 | Pt. Sur to U.S./Mexico border non-Indian commercial all-salmon-except-coho fishery opens seven days per week. |
| June 1 | Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery opens through the earlier of June 30 or a 1,500 Chinook quota. |
| June 25-July 5 | Pt. Arena to Pt. Sur non-Indian commercial all-salmon-except-coho fishery opens seven days per week. |
| June 30 | U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon-except-coho fishery closes as scheduled. Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery closes as scheduled. |
| July 1 | Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery opens through the earlier of July 31 or a 1,200 Chinook quota. U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon fishery opens through the earlier of September 15 or a 10,300 preseason Chinook guideline or a 12,800 marked coho quota. 1) July 1-12: Friday through Tuesday, landing and possession limit of 50 Chinook and 50 coho per vessel per open period north of Leadbetter Point or 50 Chinook and 50 coho south of Leadbetter Point. 2) July 15-Aug. 9: Friday through Tuesday, landing and possession limit of 30 Chinook and 50 coho per vessel per open period north of Leadbetter Point or 30 Chinook and 50 coho south of Leadbetter Point. 3) Aug. 19: landing and possession limit of 12 Chinook and 50 coho per vessel per open period. 4) Aug. 27-29: landing and possession limit of 12 Chinook and 75 coho per vessel per open period. 5) Sept. 3-6, 10-13: landing and possession limit of 20 Chinook and 100 coho per vessel per open period. |
| July 2 | OR/CA border to Humboldt south jetty non-Indian commercial all-salmon-except-coho fishery opens through the earlier of July 20 or a 1,400 Chinook quota. |
| July 9-27 | Pt. Arena to U.S./Mexico border non-Indian commercial all-salmon-except-coho fishery opens Saturday-Wednesday. |
| July 17-Aug. 31 | Cape Falcon to Humbug Mt. non-Indian commercial all-salmon-except-coho fishery opens seven days per week. |
| July 18 | OR/CA border to Humboldt south jetty non-Indian commercial all-salmon-except-coho fishery closes as quota is reached. |

TABLE C-9. Sequence of events in ocean salmon fishery management, 2011.^{a/} (Page 4 of 6)

NON-INDIAN COMMERCIAL TROLL SEASONS (continued)

| | |
|-----------------|---|
| July 23-27 | Horse Mt. to Pt. Arena non-Indian commercial all-salmon-except-coho fishery opens seven days per week. |
| July 29-Aug. 29 | Horse Mt. to U.S./Mexico border non-Indian commercial all-salmon-except-coho fishery opens seven days per week. |
| July 31 | Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery closes as scheduled. |
| Aug. 1 | Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery opens through the earlier of August 31 or a 1,000 Chinook quota. OR/CA border to Humboldt south jetty non-Indian commercial all-salmon-except-coho fishery opens through the earlier of Aug. 5 or an 880 Chinook quota (1,000 preseason quota minus overage from July fishery; KRFC impact neutral). |
| Aug. 2 | OR/CA border to Humboldt south jetty non-Indian commercial all-salmon-except-coho fishery closes as quota is reached. |
| Aug. 31 | Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery closes as scheduled. |
| Sept. 1-30 | Horse Mt. to Pt. Sur non-Indian commercial all-salmon-except-coho fishery opens seven days per week. |
| Sept. 13 | U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon fishery closes as Chinook quota is reached. |
| Oct. 1-31 | Cape Falcon to Humbug Mt. non-Indian commercial all-salmon-except-coho fishery opens seven days per week: landing and possession limit of 50 Chinook per vessel per calendar week. |
| Oct. 3-14 | Pt. Reyes to Pt. San Pedro non-Indian commercial all-salmon-except-coho fishery opens Monday-Friday. |

TREATY INDIAN COMMERCIAL TROLL SEASONS

| | |
|---------|---|
| May 1 | All-salmon-except-coho fisheries open through the earlier of June 30 or a 19,750 Chinook quota. |
| June 30 | All-salmon-except-coho fisheries close as scheduled. |
| July 1 | All-salmon fisheries open through the earlier of September 15, a 21,250 Chinook quota, or a 42,000 non-mark-selective coho quota. |
| Sept. 6 | All-salmon fisheries close as the Chinook quota is reached. |

RECREATIONAL SEASONS

| | |
|-----------------|--|
| Mar. 15-July 1 | Cape Falcon to Humbug Mt. all-salmon-except-coho fishery opens seven days per week with a 24-inch minimum size limit for Chinook. |
| Apr. 2-Oct. 30 | Horse Mt. to Pigeon Pt. all-salmon-except-coho fishery opens seven days per week with a 24-inch minimum size limit for Chinook. |
| Apr. 2-Sept. 18 | Pigeon Pt. to U.S./Mexico border all-salmon-except-coho fishery opens seven days per week with a 24-inch minimum size limit for Chinook. |
| May 14-Sept. 5 | Humbug Mt. to Horse Mt. all-salmon-except-coho fishery opens seven days per week with a 24-inch minimum size limit for Chinook. |

TABLE C-9. Sequence of events in ocean salmon fishery management, 2011.^{a/} (Page 5 of 6)

RECREATIONAL SEASONS, (continued)

| | |
|----------|--|
| June 18 | U.S./Canada border to Cape Falcon all-salmon-except-coho mark-selective Chinook fishery opens through the earlier of June 25 or a quota of 4,800 marked Chinook. Fishery is open seven days per week with a 24-inch minimum size limit for Chinook. |
| June 25 | U.S./Canada border to Cape Falcon all-salmon-except-coho mark-selective Chinook fishery closes as scheduled. |
| June 26 | <p>U.S./Canada border to Cape Alava, all-salmon mark-selective coho fishery opens through the earlier of September 18 or a 6,990 marked coho quota, with a 3,330 Chinook guideline (3,200 preseason plus transfer from May mark-selective fishery), seven days per week. Bag-limit is two fish per day plus one additional pink salmon; no more than one Chinook per day prior to August 1 and September 4-18, no more than two Chinook per day August 1-28, and no Chinook retention August 29 to September 4. No chum retention in August and September.</p> <p>Cape Alava to Queets River, all-salmon mark-selective coho fishery opens through the earlier of September 18 or a 1,700 marked coho quota, with a 1,410 Chinook guideline (1,350 preseason plus transfer from May mark-selective fishery), seven days per week. Bag-limit is two fish per day plus one additional pink salmon; no more than one Chinook per day prior to August 1 and September 5-18, no more than two Chinook per day August 1-28, and no Chinook retention August 29 to September 4. No chum retention in August and September.</p> <p>Queets River to Leadbetter Pt., all-salmon mark-selective coho fishery opens through the earlier of September 18 or a 24,860 marked coho quota, with a 17,600 Chinook guideline (16,900 preseason plus transfer from May mark-selective fishery). Fishery is open Sunday to Thursday through July 31, seven days per week August 1-18, Sunday to Thursday August 19-29, and seven days per week thereafter. Bag-limit is two fish per day; no more than one Chinook per day prior to August 7, August 14-28 and September 5-18; no more than two Chinook per day August 7-13, and; no Chinook retention August 29 to September 4. Grays Harbor Control Zone closed beginning August 1.</p> <p>Leadbetter Pt. to Cape Falcon, all-salmon mark-selective coho fishery opens through the earlier of September 30 or a 33,600 marked coho quota, with a 7,710 Chinook guideline (7,400 preseason plus transfer from May mark-selective fishery) seven days per week. Bag-limit is two fish per day; no more than one Chinook per day prior to August 7, August 14-28, and September 5-30; no more than two Chinook per day August 7-28, and, no Chinook retention August 29 to September 4.</p> |
| July 2 | Cape Falcon to OR/CA border all-salmon mark-selective-coho fishery opens through earlier of August 13 or a 15,000 marked coho quota. Fishery is open seven days per week with a 24-inch minimum size limit for Chinook. |
| Aug. 13 | Cape Falcon to OR/CA border all-salmon mark-selective-coho fishery closes as scheduled. |
| Sept. 1 | Cape Falcon to Humbug Mt, recreational fishery non-mark selective coho fishery opens through September 10 or a 5,900 coho quota (3,000 preseason plus roll-over from July-August mark selective coho quota; LCN impact neutral). |
| Sept 7. | Cape Falcon to Humbug Mt, recreational fishery non-mark selective coho fishery closes as the quota is reached. |
| Sept. 18 | <p>U.S./Canada border to Cape Alava, all-salmon mark-selective coho fishery closes as scheduled.</p> <p>Cape Alava to Queets River, all-salmon mark-selective coho fishery closes as scheduled.</p> <p>Queets River to Leadbetter Point, all-salmon mark-selective coho fishery closes as scheduled.</p> |
| Sept. 24 | La Push area (48 00'00" N. Lat. to 47 50'00" N. Lat.), all-salmon mark-selective coho fishery opens through the earlier of October 9 or a 50 Chinook quota or a 50 coho quota. |

TABLE C-9. Sequence of events in ocean salmon fishery management, 2011.^{a/} (Page 6 of 6)

RECREATIONAL SEASONS, (continued)

| | |
|----------|---|
| Sept. 30 | Leadbetter Point to Cape Falcon all-salmon mark-selective coho fishery closes as scheduled. |
| Oct. 9 | La Push area, all-salmon mark-selective coho fishery closes as scheduled. |

a/ Unless stated otherwise, season openings or modifications of restrictions are effective at 0001 hours of the listed date. Closures are effective at 2359 hours of the listed date.

**APPENDIX D
HISTORICAL ECONOMIC DATA**

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TABLE D-1. California monthly troll Chinook and coho average dressed weights (pounds) by area of landing. (Page 1 of 3)

| Year | Apr. | May | June | July | Aug. | Sept. | Oct. | Season ^{a/} | May | June | July | Aug. | Sept. | Season |
|----------------------|---------|------|------|------|------|-------|------|----------------------|------|------|------|------|-------|--------|
| | CHINOOK | | | | | | | | COHO | | | | | |
| <u>Crescent City</u> | | | | | | | | | | | | | | |
| 1976-1980 | 8.6 | 8.5 | 8.8 | 9.0 | 9.8 | 8.4 | - | 8.9 | 4.0 | 4.6 | 6.2 | 7.0 | 7.4 | 5.6 |
| 1981-1985 | - | 7.7 | 8.3 | 8.6 | 8.7 | 9.2 | - | 8.5 | 3.9 | 4.6 | 5.4 | 6.4 | 6.8 | 5.9 |
| 1986-1990 | - | - | 9.6 | 9.5 | 9.2 | 9.4 | - | 9.6 | - | 5.0 | 5.0 | 4.5 | 5.6 | 5.0 |
| 1991-1995 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1996-2000 | - | - | - | - | 8.3 | 10.2 | - | 10.0 | - | - | - | - | - | - |
| 2001 | - | - | - | - | - | 13.8 | - | 13.8 | - | - | - | - | - | - |
| 2002 | - | - | - | - | 13.4 | 12.1 | 11.1 | 12.2 | - | - | - | - | - | - |
| 2003 | 12.0 | 12.0 | 12.0 | - | - | 10.3 | 9.1 | 11.2 | - | - | - | - | - | - |
| 2004 | 10.1 | - | 9.8 | 11.6 | 11.9 | 10.8 | - | 11.8 | - | - | - | - | - | - |
| 2005 | - | - | - | - | - | 14.1 | - | 14.1 | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | 13.7 | - | 13.7 | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2011 ^{b/} | - | - | - | 15.5 | 16.0 | - | - | 16.0 | - | - | - | - | - | - |
| <u>Eureka</u> | | | | | | | | | | | | | | |
| 1976-1980 | 7.7 | 8.1 | 8.4 | 8.9 | 9.2 | 9.5 | - | 8.4 | 4.1 | 4.4 | 6.2 | 6.9 | 6.8 | 5.1 |
| 1981-1985 | - | 7.4 | 8.2 | 8.9 | 9.2 | 9.6 | - | 6.6 | 4.6 | 4.7 | 5.9 | 6.2 | 6.6 | 5.7 |
| 1986-1990 | - | - | 9.0 | 10.1 | 10.2 | 9.2 | 9.6 | 9.3 | - | 5.1 | 5.6 | 5.5 | 6.2 | 5.3 |
| 1991-1995 | - | - | - | - | - | 9.5 | 17.7 | 10.1 | - | - | - | - | 6.2 | 6.2 |
| 1996-2000 | - | - | - | - | 11.9 | 10.1 | - | 10.2 | - | - | - | - | - | - |
| 2001 | - | - | - | - | - | 11.5 | - | 11.5 | - | - | - | - | - | - |
| 2002 | - | - | - | - | 11.4 | 12.1 | - | 12.0 | - | - | - | - | - | - |
| 2003 | - | - | - | - | - | 9.9 | - | 9.9 | - | - | - | - | - | - |
| 2004 | - | - | - | - | - | 11.4 | - | 11.4 | - | - | - | - | - | - |
| 2005 | - | - | - | - | - | 11.8 | - | 11.8 | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | 12.3 | - | 12.3 | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2011 ^{b/} | - | - | - | 13.7 | 11.7 | - | - | 13.3 | - | - | - | - | - | - |

TABLE D-1. California monthly troll Chinook and coho average dressed weights (pounds) by area of landing. (Page 2 of 3)

| Year | Apr. | May | June | July | Aug. | Sept. | Oct. | Season ^{a/} | May | June | July | Aug. | Sept. | Season |
|----------------------|------|------|------|------|------|-------|------|----------------------|------|------|------|------|-------|--------|
| CHINOOK | | | | | | | | | COHO | | | | | |
| <u>Fort Bragg</u> | | | | | | | | | | | | | | |
| 1976-1980 | 7.7 | 8.5 | 7.8 | 10.5 | 10.1 | 10.1 | - | 10.0 | 4.1 | 4.7 | 6.8 | 7.0 | 8.8 | 5.9 |
| 1981-1985 | 7.6 | 9.0 | 10.4 | 9.6 | 10.3 | 10.1 | - | 9.8 | 5.3 | 6.0 | 6.3 | 6.6 | 7.2 | 6.2 |
| 1986-1990 | - | 9.3 | 10.2 | 9.3 | 10.1 | 10.1 | - | 9.6 | - | 5.3 | 5.8 | 6.4 | 6.2 | 5.7 |
| 1991-1995 | - | 8.2 | - | - | 10.5 | 10.4 | - | 10.7 | - | - | - | 6.4 | - | 6.4 |
| 1996-2000 | - | - | - | - | 11.0 | 11.4 | - | 11.3 | - | - | - | - | - | - |
| 2001 | - | 12.3 | - | - | - | 13.0 | - | 12.8 | - | - | - | - | - | - |
| 2002 | - | - | - | 11.7 | 13.8 | 15.3 | - | 13.4 | - | - | - | - | - | - |
| 2003 | - | 14.9 | - | 12.7 | 12.1 | 11.4 | - | 12.4 | - | - | - | - | - | - |
| 2004 | - | - | - | 12.0 | 11.7 | 13.1 | - | 12.0 | - | - | - | - | - | - |
| 2005 | - | - | - | - | - | 12.2 | - | 12.2 | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | 15.9 | - | 15.9 | - | - | - | - | - | - |
| 2007 | 12.5 | - | - | - | 15.8 | 12.9 | - | 15.6 | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 15.8 | 14.6 | - | - | 15.2 | - | - | - | - | - | - |
| 2011 ^{b/} | - | - | - | 14.3 | 14.8 | 12.4 | - | 14.5 | - | - | - | - | - | - |
| <u>San Francisco</u> | | | | | | | | | | | | | | |
| 1976-1980 | 8.5 | 8.9 | 7.8 | 10.7 | 11.3 | 11.7 | - | 9.9 | 4.6 | 5.2 | 7.1 | 6.8 | 8.4 | 6.1 |
| 1981-1985 | 6.8 | 8.6 | 9.4 | 10.5 | 10.5 | 10.1 | - | 9.7 | 5.3 | 5.9 | 6.7 | 6.6 | 7.8 | 6.3 |
| 1986-1990 | - | 9.2 | 10.2 | 10.9 | 12.4 | 12.1 | - | 10.1 | - | 5.6 | 6.1 | 6.7 | 6.2 | 5.9 |
| 1991-1995 | - | 8.6 | 9.3 | 10.2 | 11.3 | 11.8 | - | 10.0 | - | 5.3 | 5.9 | 5.6 | - | 5.2 |
| 1996-2000 | 9.9 | 9.4 | 9.8 | 11.0 | 12.5 | 12.9 | - | 10.6 | - | - | - | - | - | - |
| 2001 | - | 10.9 | 12.9 | 12.8 | 14.2 | 14.8 | 16.8 | 12.7 | - | - | - | - | - | - |
| 2002 | - | 11.4 | 12.9 | 12.7 | 14.7 | 15.1 | 14.9 | 12.6 | - | - | - | - | - | - |
| 2003 | - | 12.0 | 15.0 | 12.3 | 12.7 | 13.2 | 11.2 | 13.6 | - | - | - | - | - | - |
| 2004 | - | 13.4 | 11.8 | 12.0 | 14.9 | 13.8 | 12.9 | 12.4 | - | - | - | - | - | - |
| 2005 | - | - | - | 12.9 | 13.7 | 15.0 | 15.2 | 13.4 | - | - | - | - | - | - |
| 2006 | - | - | - | 15.1 | 14.4 | 16.8 | 18.0 | 15.3 | - | - | - | - | - | - |
| 2007 | - | 11.4 | - | 13.2 | 14.3 | 17.5 | 19.0 | 12.8 | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 14.9 | - | - | - | 14.9 | - | - | - | - | - | - |
| 2011 ^{b/} | - | 13.2 | 13.1 | 13.8 | 13.9 | 13.0 | 14.9 | 13.5 | - | - | - | - | - | - |

TABLE D-1. California monthly troll Chinook and coho average dressed weights (pounds) by area of landing. (Page 3 of 3)

| Year | Apr. | May | June | July | Aug. | Sept. | Oct. | Season ^{a/} | May | June | July | Aug. | Sept. | Season |
|------------------------|------|------|------|------|------|-------|------|----------------------|------|------|------|------|-------|--------|
| CHINOOK | | | | | | | | | COHO | | | | | |
| Monterey | | | | | | | | | | | | | | |
| 1976-1980 | 8.5 | 9.3 | 7.9 | 11.3 | 13.0 | 10.1 | - | 10.1 | 4.6 | 4.8 | 5.9 | 7.1 | 6.5 | 5.3 |
| 1981-1985 | 7.3 | 8.6 | 9.6 | 10.4 | 11.1 | 10.2 | - | 9.3 | 5.4 | 5.2 | 6.5 | 7.6 | 8.3 | 6.1 |
| 1986-1990 | - | 10.3 | 11.3 | 12.2 | 12.3 | 11.7 | - | 11.1 | - | 5.6 | 6.0 | 6.5 | 6.4 | 5.9 |
| 1991-1995 | - | 9.4 | 10.9 | 11.3 | 11.7 | 11.1 | - | 10.6 | - | 4.8 | 5.6 | 5.5 | - | 5.0 |
| 1996-2000 | 11.1 | 10.3 | 11.0 | 12.4 | 11.8 | 10.1 | - | 10.8 | - | - | - | - | - | - |
| 2001 | - | 11.5 | 11.9 | 12.6 | 11.0 | 14.7 | - | 11.6 | - | - | - | - | - | - |
| 2002 | - | 11.1 | 13.5 | 14.4 | 13.2 | 13.9 | - | 13.0 | - | - | - | - | - | - |
| 2003 | - | 13.0 | 14.4 | 14.0 | 14.7 | 13.8 | - | 13.8 | - | - | - | - | - | - |
| 2004 | - | 13.9 | 12.5 | 13.2 | 14.5 | 13.7 | - | 13.2 | - | - | - | - | - | - |
| 2005 | - | 10.9 | 13.1 | 14.1 | 16.5 | 13.1 | - | 12.1 | - | - | - | - | - | - |
| 2006 | - | 12.4 | 12.6 | 16.2 | 13.3 | 15.7 | - | 12.6 | - | - | - | - | - | - |
| 2007 | - | 14.1 | 13.2 | 13.6 | 14.1 | 17.6 | - | 14.0 | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 14.2 | - | - | - | 14.2 | - | - | - | - | - | - |
| 2011 ^{b/} | - | 14.9 | 14.4 | 14.5 | 12.5 | 12.9 | - | 14.6 | - | - | - | - | - | - |
| Total Statewide | | | | | | | | | | | | | | |
| 1976-1980 | 8.3 | 8.6 | 9.3 | 10.1 | 10.7 | 10.4 | - | 9.5 | 3.9 | 4.6 | 6.4 | 6.9 | 7.4 | 5.5 |
| 1981-1985 | 7.1 | 8.5 | 9.7 | 10.0 | 10.2 | 10.0 | - | 9.5 | 5.2 | 5.6 | 6.3 | 6.6 | 7.0 | 6.2 |
| 1986-1990 | - | 9.5 | 10.2 | 10.3 | 11.1 | 10.8 | 9.6 | 10.1 | - | 5.2 | 5.9 | 6.5 | 6.0 | 5.6 |
| 1991-1995 | - | 9.0 | 9.9 | 10.5 | 11.1 | 11.2 | 17.7 | 10.1 | - | 4.8 | 5.6 | 5.6 | 6.2 | 5.1 |
| 1996-2000 | 10.3 | 10.0 | 10.4 | 11.5 | 12.3 | 12.1 | - | 10.7 | - | - | - | - | - | - |
| 2001 | - | 11.2 | 12.6 | 12.8 | 14.1 | 13.5 | 16.8 | 12.5 | - | - | - | - | - | - |
| 2002 | - | 11.3 | 13.1 | 12.8 | 13.9 | 13.8 | 13.0 | 12.8 | - | - | - | - | - | - |
| 2003 | 12.0 | 13.4 | 14.9 | 12.7 | 12.2 | 11.7 | 11.0 | 13.0 | - | - | - | - | - | - |
| 2004 | 10.1 | 13.5 | 11.9 | 12.1 | 12.5 | 12.7 | 12.9 | 12.4 | - | - | - | - | - | - |
| 2005 | - | 10.9 | 13.1 | 13.1 | 14.1 | 13.1 | 15.2 | 12.8 | - | - | - | - | - | - |
| 2006 | - | 12.4 | 12.6 | 15.1 | 14.4 | 16.4 | 18.0 | 15.0 | - | - | - | - | - | - |
| 2007 | 12.5 | 12.2 | 13.2 | 13.2 | 15.3 | 13.7 | 19.0 | 13.4 | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 15.4 | 14.6 | - | - | 15.1 | - | - | - | - | - | - |
| 2011 ^{b/} | - | 13.8 | 13.5 | 14.2 | 14.6 | 12.8 | 14.9 | 14.2 | - | - | - | - | - | - |

a/ Total statewide and season averages includes minor landings from Oregon prior to 2005.

b/ Preliminary.

TABLE D-2. Oregon monthly troll Chinook and coho average dressed weights (pounds) by area of landing.

| Year | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season |
|--------------------|------|------|------|------|------|------|-------|------|------|------|--------|
| CHINOOK | | | | | | | | | | | |
| 1971-1975 | - | - | 9.5 | 10.7 | 10.4 | 10.2 | 9.4 | 10.7 | 16.9 | - | 10.2 |
| 1976-1980 | - | - | 10.2 | 10.2 | 10.6 | 10.0 | 9.9 | 10.5 | 15.4 | - | 10.3 |
| 1981-1985 | - | - | 9.0 | 9.1 | 9.5 | 9.0 | 8.8 | 11.5 | 14.7 | - | 9.2 |
| 1986-1990 | - | - | 9.3 | 9.5 | 9.6 | 9.0 | 9.3 | 10.4 | 13.8 | - | 9.5 |
| 1991-1995 | - | - | 9.9 | 9.8 | 9.2 | 9.4 | 9.2 | 10.7 | 12.3 | - | 9.6 |
| 1996-2000 | - | - | 11.1 | 11.7 | 12.0 | 10.5 | 10.1 | 12.5 | 14.6 | - | 10.9 |
| 2001 | - | 10.3 | 10.8 | 10.3 | 10.5 | 10.7 | 9.8 | 10.3 | 13.8 | 13.2 | 10.5 |
| 2002 | 12.3 | 9.9 | 10.2 | 10.5 | 11.2 | 10.9 | 11.4 | 11.1 | 15.1 | 14.1 | 10.9 |
| 2003 | 10.3 | 9.9 | 11.6 | 11.2 | 11.8 | 11.3 | 10.5 | 10.4 | 15.6 | 15.0 | 10.9 |
| 2004 | 9.4 | 10.1 | 10.9 | 11.5 | 11.5 | 11.4 | 9.8 | 12.2 | 14.4 | 12.6 | 10.9 |
| 2005 | 8.6 | 8.9 | 9.9 | 10.5 | 10.7 | 10.9 | 11.9 | 11.4 | 15.4 | 13.9 | 10.7 |
| 2006 | - | - | 12.2 | 13.6 | 15.5 | 15.3 | 13.8 | 16.0 | 15.8 | 13.7 | 13.9 |
| 2007 | - | 13.4 | 13.7 | 13.9 | 13.7 | 11.9 | 12.6 | 15.4 | 13.5 | 14.3 | 13.1 |
| 2008 | - | - | 10.4 | 10.4 | 12.1 | 11.5 | 14.3 | 19.9 | 15.3 | - | 11.1 |
| 2009 | - | - | 11.0 | 13.1 | 12.2 | 13.0 | 12.5 | 15.5 | - | - | 13.3 |
| 2010 | - | - | 12.4 | 12.3 | 12.7 | 13.7 | 13.6 | 17.6 | - | - | 12.8 |
| 2011 ^{a/} | - | 11.4 | 11.9 | 13.1 | 14.3 | 13.5 | 13.3 | 14.5 | 11.8 | - | 12.5 |
| COHO | | | | | | | | | | | |
| 1971-1975 | - | - | - | 5.1 | 6.1 | 7.0 | 7.0 | 7.9 | - | - | 6.2 |
| 1976-1980 | - | - | - | 4.4 | 5.5 | 6.1 | 5.9 | 6.3 | - | - | 5.5 |
| 1981-1985 | - | - | - | - | 4.8 | 5.3 | 3.6 | - | - | - | 5.0 |
| 1986-1990 | - | - | - | 4.8 | 4.8 | 5.1 | 5.4 | 7.2 | - | - | 4.9 |
| 1991-1995 | - | - | - | 4.2 | 4.0 | 4.8 | 5.4 | - | - | - | 4.7 |
| 1996-2000 | - | - | - | - | - | 5.9 | 6.6 | - | - | - | 5.9 |
| 2001 | - | - | - | - | 5.0 | 6.2 | 6.0 | - | - | - | 5.6 |
| 2002 | - | - | - | - | - | 7.0 | - | - | - | - | 7.0 |
| 2003 | - | - | - | - | 5.2 | 6.7 | 6.7 | - | - | - | 6.4 |
| 2004 | - | - | - | - | 5.6 | 6.8 | 7.9 | - | - | - | 7.5 |
| 2005 | - | - | - | - | 5.4 | 7.7 | 8.3 | - | - | - | 7.5 |
| 2006 | - | - | - | - | 7.2 | 9.1 | 9.5 | - | - | - | 9.2 |
| 2007 | - | - | - | - | 4.9 | 6.0 | 7.0 | - | - | - | 5.9 |
| 2008 | - | - | - | - | 5.2 | 8.6 | 8.9 | - | - | - | 8.4 |
| 2009 | - | - | - | - | 4.7 | 6.0 | 7.1 | - | - | - | 6.0 |
| 2010 | - | - | - | - | 6.1 | 7.3 | 12.0 | - | - | - | 6.7 |
| 2011 ^{a/} | - | - | - | - | 4.9 | 6.0 | 6.9 | - | - | - | 5.6 |

a/ Preliminary.

TABLE D-3. Washington monthly troll Chinook and coho salmon average dressed weights (pounds).^{a/}

| Year | May | | June | | July | | Aug. | | Sept. | | Oct. | | Season | |
|-------------------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|-----------------------------|------------|
| | Treaty Indian | Non-Indian | Treaty Indian ^{b/} | Non-Indian |
| CHINOOK | | | | | | | | | | | | | | |
| 1980 | 10.9 | 12.0 | 12.6 | - | 12.5 | 13.2 | 14.2 | 13.5 | 10.9 | 13.1 | 6.7 | - | 7.3 | 13.0 |
| 1981-1985 | 7.3 | 9.7 | 8.8 | - | 9.6 | 12.3 | 9.3 | 12.2 | 7.7 | 12.7 | 5.1 | - | 6.4 | 10.6 |
| 1986-1990 | 8.1 | 9.5 | 8.1 | 11.1 | 9.6 | 12.1 | 9.1 | 12.1 | 6.8 | 12.2 | 5.2 | 12.6 | 6.7 | 10.4 |
| 1991-1995 ^{c/} | 7.1 | 10.7 | 7.8 | 10.8 | 8.7 | 12.1 | 8.3 | 11.2 | 6.6 | 11.2 | 6.4 | 8.3 | 6.9 | 10.2 |
| 1996-2000 ^{c/} | 8.4 | 11.2 | 8.5 | 12.0 | 7.1 | 12.3 | 8.4 | 11.0 | 7.5 | 10.7 | - | - | 8.5 | 11.5 |
| 2001 | 7.4 | 10.3 | 9.5 | 11.7 | 12.1 | 12.6 | 9.7 | 10.9 | 8.7 | 10.1 | - | - | 9.5 | 11.4 |
| 2002 | 9.5 | 11.4 | 12.9 | 12.2 | 11.5 | 13.1 | 11.8 | 14.5 | 8.3 | NA | - | - | 11.3 | 12.6 |
| 2003 | 11.2 | 12.4 | 9.3 | 12.9 | 13.9 | 16.0 | 18.0 | 17.4 | 13.4 | 13.9 | - | - | 12.5 | 14.6 |
| 2004 | 10.2 | 11.6 | 12.1 | 14.4 | 13.7 | 16.2 | 13.0 | 16.5 | 17.3 | 16.8 | 5.0 | - | 11.8 | 14.2 |
| 2005 | 9.1 | 10.7 | 9.9 | 11.7 | 16.2 | 17.1 | 18.4 | 17.9 | 12.0 | - | - | - | 11.9 | 13.4 |
| 2006 | 8.5 | 11.9 | 9.8 | 12.3 | 13.3 | 15.6 | 10.4 | 15.4 | 7.2 | 14.4 | - | - | 10.2 | 13.2 |
| 2007 | 7.7 | 12.0 | 8.2 | 12.3 | 8.2 | 14.3 | 14.2 | 17.0 | 6.8 | 15.8 | - | - | 8.9 | 12.9 |
| 2008 | 7.8 | 11.1 | 7.7 | 11.3 | 8.5 | 12.5 | 7.5 | 12.3 | 7.1 | 11.2 | - | - | 7.5 | 11.6 |
| 2009 | 8.7 | 11.3 | 7.4 | 12.4 | 9.4 | 16.2 | 9.4 | 15.1 | 5.8 | 12.7 | - | - | 8.1 | 12.6 |
| 2010 | 7.2 | 10.4 | 7.5 | 11.6 | 9.6 | 13.2 | 10.3 | 13.1 | 10.2 | 12.3 | - | - | 8.7 | 11.9 |
| 2011 | 8.9 | 10.3 | 9.1 | 11.4 | 12.2 | 13.6 | 14.1 | 15.0 | 15.0 | 17.2 | - | - | 11.0 | 12.0 |
| COHO | | | | | | | | | | | | | | |
| 1980 | 2.5 | - | 3.4 | - | 4.3 | 4.8 | 5.7 | 6.0 | 6.9 | 5.7 | - | - | 3.7 | 5.2 |
| 1981-1985 | 2.3 | - | 3.2 | - | 3.8 | 4.6 | 4.9 | 4.6 | 5.6 | 5.4 | 6.5 | 5.8 | 4.6 | 4.5 |
| 1986-1990 | - | - | 2.8 | - | 4.0 | 4.9 | 4.2 | 4.4 | 4.9 | 5.5 | 5.3 | 7.0 | 4.1 | 4.5 |
| 1991-1995 | - | - | 2.7 | - | 3.7 | 3.7 | 4.4 | 4.7 | 3.9 | 5.4 | 5.9 | - | 4.3 | 4.6 |
| 1996-2000 | - | - | 4.0 | - | 5.0 | 4.2 | 4.4 | 5.2 | 5.0 | 6.3 | - | - | 4.8 | 5.1 |
| 2001 | - | - | 5.2 | - | 4.8 | 5.0 | 5.6 | 6.1 | 6.0 | 6.8 | - | - | 5.6 | 6.0 |
| 2002 | 12.0 | - | 5.0 | - | 5.4 | 10.0 | 6.6 | 5.9 | 5.4 | - | - | - | 5.8 | 6.0 |
| 2003 | 7.3 | - | - | - | 5.3 | 5.1 | 6.2 | 6.4 | 5.8 | 7.1 | - | - | 5.7 | 6.0 |
| 2004 | 5.0 | - | 5.0 | - | 5.5 | 5.9 | 6.0 | 6.7 | 7.9 | 7.3 | 7.4 | - | 6.2 | 6.8 |
| 2005 | 3.7 | - | 3.9 | - | 4.5 | 6.1 | 6.9 | 7.0 | 5.5 | - | - | - | 6.3 | 6.8 |
| 2006 | 5.5 | - | 4.3 | - | 5.6 | 5.9 | 6.4 | 7.1 | 6.3 | 10.1 | - | - | 6.1 | 7.7 |
| 2007 | - | - | 4.8 | - | 4.3 | 4.9 | 7.1 | 5.9 | 6.9 | 6.4 | - | - | 5.5 | 5.6 |
| 2008 | - | - | 3.4 | - | 6.5 | 6.2 | 7.3 | 8.6 | 9.3 | 9.7 | - | - | 8.6 | 8.4 |
| 2009 | - | - | 3.5 | - | 5.2 | 5.5 | 6.1 | 7.1 | 6.2 | 7.7 | - | - | 5.7 | 6.8 |
| 2010 | - | - | - | - | 6.3 | 6.5 | 6.3 | 7.7 | 8.8 | 9.0 | - | - | 7.0 | 7.1 |
| 2011 | - | - | - | - | 5.2 | 5.2 | 5.8 | 5.9 | 5.9 | 6.3 | - | - | 5.7 | 5.6 |

a/ All values in this table are based on preliminary information available at the start of each year's review. Treaty Indian statistics include landings from Puget Sound.

b/ Season totals include additional winter treaty Indian troll.

c/ In 1994-1996 the non-Indian fishery for Chinook was closed north of Cape Falcon; however, Chinook were caught off Oregon and landed in Washington.

TABLE D-4. California troll combined Chinook and coho salmon landings in dressed weight, value of landings and number of registered vessels making commercial salmon landings.^{a/}

| Year | Dressed Pounds Landed (thousands) | Nominal Exvessel Value (\$ thousands) | Vessels Landing Salmon | Vessels with Permits | Nominal Average Exvessel Value/Vessel (dollars) | Real Average Exvessel Value/Vessel (2011 dollars) |
|--------------------|-----------------------------------|---------------------------------------|------------------------|----------------------|---|---|
| 1960 | 6,221 | 3,339 | 1,365 | - | 2,446 | 14,927 |
| 1961-1965 | 7,772 | 4,206 | 1,586 | - | 2,642 | 15,734 |
| 1966-1970 | 7,925 | 4,327 | 2,088 | - | 2,089 | 11,225 |
| 1971-1975 | 7,917 | 6,338 | 2,542 | - | 2,461 | 10,341 |
| 1976-1980 | 7,233 | 12,083 | 3,997 | - | 2,989 | 8,826 |
| 1981-1985 | 5,082 | 11,826 | 3,729 | 4,920 | 3,099 | 6,506 |
| 1986-1990 | 8,392 | 21,532 | 2,487 | 3,622 | 8,593 | 14,889 |
| 1991-1995 | 3,083 | 7,550 | 1,447 | 2,960 | 5,171 | 7,697 |
| 1996-2000 | 4,337 | 7,091 | 852 | 2,068 | 8,223 | 11,080 |
| 2001 | 2,409 | 4,773 | 689 | 1,650 | 6,927 | 8,672 |
| 2002 | 5,008 | 7,776 | 708 | 1,586 | 10,982 | 13,529 |
| 2003 | 6,392 | 12,181 | 584 | 1,521 | 20,858 | 25,153 |
| 2004 | 6,230 | 17,895 | 741 | 1,511 | 24,150 | 28,319 |
| 2005 | 4,347 | 12,913 | 680 | 1,477 | 18,990 | 21,549 |
| 2006 | 1,043 | 5,350 | 477 | 1,408 | 11,216 | 12,329 |
| 2007 | 1,525 | 7,902 | 601 | 1,390 | 13,149 | 14,046 |
| 2008 | - | - | - | 1,306 | - | - |
| 2009 | - | - | - | 1,281 | - | - |
| 2010 | 228 | 1,246 | 215 | 1,238 | 5,794 | 5,923 |
| 2011 ^{b/} | 988 | 5,113 | 462 | 1,167 | 11,068 | 11,068 |

a/ Derived from vessel registrations and fish landing tickets.

b/ Preliminary.

TABLE D-5. Oregon troll combined Chinook and coho salmon landings in dressed weight, value of landings and number of registered vessels making commercial salmon landings.^{a/}

| Year | Dressed Pounds Landed (thousands) | Nominal Exvessel Value (\$ thousands) | Vessels Landing Salmon | Vessels with Permits | Nominal Average Exvessel Value/Vessel (dollars) | Real Average Exvessel Value/Vessel (2011 dollars) |
|---------------------------|-----------------------------------|---------------------------------------|------------------------|----------------------|---|---|
| 1974 | - | 7,937 | 2,253 | - | 3,523 | 13,037 |
| 1975 | - | 5,808 | 2,304 | - | 2,521 | 8,523 |
| 1976-1980 ^{b/} | 6,679 | 8,185 | 3,875 | 4,314 | 2,112 | 5,020 |
| 1981-1985 ^{c/d/} | 2,969 | 5,774 | 2,050 | 2,993 | 2,817 | 5,191 |
| 1986-1990 | 5,688 | 6,641 | 1,557 | 2,528 | 4,265 | 6,704 |
| 1991-1995 ^{e/} | 1,265 | 3,294 | 476 | 1,465 | 6,920 | 9,631 |
| 1996-2000 | 1,428 | 3,063 | 399 | 1,062 | 7,677 | 9,827 |
| 2001 ^{f/} | 2,949 | 4,721 | 449 | 1,175 | 10,515 | 13,163 |
| 2002 ^{f/} | 3,498 | 5,391 | 468 | 1,175 | 11,519 | 14,190 |
| 2003 ^{f/} | 3,681 | 7,222 | 494 | 1,178 | 14,620 | 17,630 |
| 2004 ^{f/} | 2,920 | 9,919 | 595 | 1,181 | 16,670 | 19,548 |
| 2005 ^{f/} | 2,691 | 8,503 | 565 | 1,168 | 15,050 | 17,078 |
| 2006 ^{f/} | 499 | 2,701 | 357 | 1,127 | 7,565 | 8,316 |
| 2007 | 565 | 2,822 | 436 | 1,009 | 6,473 | 6,915 |
| 2008 | 70 | 494 | 138 | 1,092 | 3,579 | 3,823 |
| 2009 | 146 | 345 | 225 | 1,062 | 1,531 | 1,584 |
| 2010 | 513 | 2,791 | 370 | 1,021 | 7,543 | 7,712 |
| 2011 ^{g/} | 403 | 2,390 | 302 | 1,003 | 7,914 | 7,914 |

a/ Derived from vessel registrations and fish landing tickets.

b/ In 1980, the establishment of a restricted vessel permit system drew a number of historically active vessels back into the fishery.

c/ In 1984, vessels were not required to land at least one salmon to be eligible for a permit in 1985. The Oregon Fish and Wildlife Commission waived this requirement because of the elimination of the coho fishery south of Cape Falcon.

d/ In 1985, vessels traditionally landing salmon south of Cape Blanco and north of Cape Falcon were not required to land at least one salmon to be eligible for a permit in 1986. The Oregon Fish and Wildlife Commission waived this requirement because of the complete closure of the coho season south of Cape Blanco and a limited one-day coho season between the Columbia River and Cape Falcon.

e/ During the 1991 session of the Oregon Legislature, legislation passed waiving the requirement that troll permit holders must buy a 1991 permit to be able to renew for 1992. This was a one-time exemption for 1991 only.

f/ Permits were reissued in a lottery, because the total number of permits had fallen below 1,200.

g/ Preliminary.

TABLE D-6. Washington non-Indian troll combined Chinook and coho salmon landings in dressed weight, value of landings and number of registered vessels making commercial salmon landings.^{a/}

| Year | Dressed Pounds Landed (thousands) | Nominal Exvessel Value (\$ thousands) | Vessels Landing Salmon | Vessels with Permits | Nominal Average Exvessel Value/Vessel (dollars) | Real Average Exvessel Value/Vessel (2011 dollars) |
|-------------------------------|-----------------------------------|---------------------------------------|------------------------|----------------------|---|---|
| 1978 | 4,746 | 10,025 | 3,041 | 3,291 | 3,297 | 9,260 |
| 1979 | 5,262 | 15,091 | 2,778 | 3,068 | 5,432 | 14,087 |
| 1980 | 3,398 | 7,114 | 2,626 | 2,797 | 2,709 | 6,438 |
| 1981-1985 ^{b/c/} | 1,433 | 3,225 | 1,675 | 2,233 | 1,696 | 3,438 |
| 1986-1990 | 752 | 1,670 | 913 | 1,349 | 1,997 | 3,366 |
| 1991-1995 ^{d/e/f/g/} | 345 | 834 | 397 | 586 | 1,607 | 2,355 |
| 1996-2000 ^{h/i/j/} | 126 | 197 | 54 | 270 | 4,188 | 5,497 |
| 2001 | 290 | 383 | 57 | 169 | 6,718 | 8,409 |
| 2002 | 679 | 758 | 75 | 165 | 10,102 | 12,444 |
| 2003 | 875 | 991 | 82 | 163 | 12,087 | 14,576 |
| 2004 | 594 | 1,185 | 86 | 160 | 13,779 | 16,157 |
| 2005 | 481 | 1,290 | 91 | 158 | 14,170 | 16,080 |
| 2006 | 231 | 1,045 | 84 | 158 | 12,440 | 13,675 |
| 2007 | 217 | 953 | 79 | 158 | 12,062 | 12,885 |
| 2008 | 114 | 709 | 86 | 158 | 8,244 | 8,807 |
| 2009 | 291 | 1,169 | 97 | 158 | 12,051 | 12,463 |
| 2010 | 537 | 3,115 | 116 | 158 | 26,856 | 27,457 |
| 2011 | 339 | 1,687 | 112 | 158 | 15,066 | 15,066 |

a/ Derived from vessel registrations and fish landing tickets. All values in this table are based on preliminary information available at the start of each year's salmon review.

b/ In 1984 312 licenses and delivery permits purchased by buyback program.

c/ In 1985 118 licenses and delivery permits purchased by buyback program.

d/ The 1994 season was closed north of Cape Falcon, but Chinook were caught off Oregon and landed in Puget Sound.

e/ Value information in 1994 is not provided in order to preserve confidentiality.

f/ Vessels were not required to purchase a permit in 1994 to maintain their eligibility for a permit in 1995.

g/ In 1995 190 licenses and delivery permits purchased by buyback program.

h/ 72 licenses and delivery permits purchased by buyback program at the end of 1996 and early 1997.

i/ 100 licenses and delivery permits purchased by buyback program at the end of 1997 and early 1998.

j/ 41 licenses purchased by buyback program at the end of 2000.

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.^{a/} (Page 1 of 5)

| Year | Vessels | | | Catch ^{c/} | | |
|--------------------|------------------------|----------------------|------------------|---------------------------|----------------|------------------|
| | Length Category (feet) | Number ^{b/} | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 2011 ^{d/} | <20 | 26 | 6% | 244 | 6,348 | 1% |
| | 21-25 | 86 | 19% | 733 | 63,021 | 6% |
| | 26-30 | 78 | 17% | 892 | 69,564 | 7% |
| | 31-35 | 91 | 20% | 1,742 | 158,546 | 16% |
| | 36-40 | 86 | 19% | 3,171 | 272,729 | 28% |
| | 41-45 | 64 | 14% | 4,330 | 277,137 | 28% |
| | 46-50 | 23 | 5% | 4,784 | 110,034 | 11% |
| | 51-55 | 5 | 1% | 3,416 | 17,078 | 2% |
| | >56 | 3 | 1% | 4,679 | 14,037 | 1% |
| TOTAL | 462 | | 2,140 | 988,494 | | |
| 2010 | <20 | 9 | 4% | 419 | 3,772 | 2% |
| | 21-25 | 46 | 21% | 524 | 24,124 | 11% |
| | 26-30 | 31 | 14% | 1,161 | 35,990 | 16% |
| | 31-35 | 46 | 21% | 637 | 29,289 | 13% |
| | 36-40 | 40 | 19% | 1,360 | 54,414 | 24% |
| | 41-45 | 30 | 14% | 1,533 | 45,985 | 20% |
| | 46-50 | 10 | 5% | 2,066 | 20,656 | 9% |
| | 51-55 | 3 | 1% | 4,451 | 13,352 | 6% |
| | >56 | e/ | - | e/ | e/ | - |
| TOTAL | 215 | | 1,059 | 227,582 | | |
| 2009 | <20 | - | - | - | - | - |
| | 21-25 | - | - | - | - | - |
| | 26-30 | - | - | - | - | - |
| | 31-35 | - | - | - | - | - |
| | 36-40 | - | - | - | - | - |
| | 41-45 | - | - | - | - | - |
| | 46-50 | - | - | - | - | - |
| | 51-55 | - | - | - | - | - |
| | >56 | - | - | - | - | - |
| TOTAL | - | | - | - | | |
| 2008 | <20 | - | - | - | - | - |
| | 21-25 | - | - | - | - | - |
| | 26-30 | - | - | - | - | - |
| | 31-35 | - | - | - | - | - |
| | 36-40 | - | - | - | - | - |
| | 41-45 | - | - | - | - | - |
| | 46-50 | - | - | - | - | - |
| | 51-55 | - | - | - | - | - |
| | >56 | - | - | - | - | - |
| TOTAL | - | | - | - | | |
| 2007 | <20 | 20 | 3% | 275 | 5,506 | 0% |
| | 21-25 | 95 | 16% | 718 | 68,173 | 4% |
| | 26-30 | 87 | 14% | 1,417 | 123,280 | 8% |
| | 31-35 | 119 | 20% | 2,622 | 312,075 | 20% |
| | 36-40 | 124 | 21% | 3,312 | 410,698 | 27% |
| | 41-45 | 79 | 13% | 4,273 | 337,558 | 22% |
| | 46-50 | 55 | 9% | 3,633 | 199,821 | 13% |
| | 51-55 | 12 | 2% | 3,676 | 44,108 | 3% |
| | >56 | 10 | 2% | 2,403 | 24,026 | 2% |
| TOTAL | 601 | | 2,538 | 1,525,245 | | |

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.^{a/} (Page 2 of 5)

| Year | Vessels | | | Catch ^{c/} | | |
|-------|------------------------|----------------------|------------------|---------------------------|----------------|------------------|
| | Length Category (feet) | Number ^{b/} | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 2006 | <20 | 19 | 4% | 338 | 6,427 | 1% |
| | 21-25 | 85 | 18% | 944 | 80,260 | 8% |
| | 26-30 | 80 | 17% | 1,441 | 115,300 | 11% |
| | 31-35 | 105 | 22% | 2,288 | 240,201 | 23% |
| | 36-40 | 88 | 18% | 3,027 | 266,387 | 26% |
| | 41-45 | 59 | 12% | 3,723 | 219,638 | 21% |
| | 46-50 | 30 | 6% | 2,851 | 85,517 | 8% |
| | 51-55 | 7 | 1% | 3,356 | 23,492 | 2% |
| | >56 | 4 | 1% | 1,533 | 6,131 | 1% |
| TOTAL | 477 | | 2,187 | 1,043,353 | | |
| 2005 | <20 | 34 | 5% | 840 | 28,546 | 1% |
| | 21-25 | 107 | 16% | 2,249 | 240,668 | 6% |
| | 26-30 | 107 | 16% | 3,325 | 355,799 | 8% |
| | 31-35 | 132 | 19% | 6,127 | 808,775 | 19% |
| | 36-40 | 130 | 19% | 7,754 | 1,008,071 | 23% |
| | 41-45 | 84 | 12% | 10,779 | 905,449 | 21% |
| | 46-50 | 62 | 9% | 11,429 | 708,576 | 16% |
| | 51-55 | 13 | 2% | 15,821 | 205,679 | 5% |
| | >56 | 11 | 2% | 7,802 | 85,827 | 2% |
| TOTAL | 680 | | 6,393 | 4,347,390 | | |
| 2004 | <20 | 39 | 5% | 1,121 | 43,706 | 1% |
| | 21-25 | 118 | 16% | 2,203 | 259,933 | 4% |
| | 26-30 | 112 | 15% | 3,288 | 368,224 | 6% |
| | 31-35 | 144 | 19% | 7,202 | 1,037,078 | 17% |
| | 36-40 | 141 | 19% | 9,880 | 1,393,035 | 22% |
| | 41-45 | 84 | 11% | 16,223 | 1,362,724 | 22% |
| | 46-50 | 66 | 9% | 17,814 | 1,175,700 | 19% |
| | 51-55 | 18 | 2% | 21,405 | 385,281 | 6% |
| | >56 | 19 | 3% | 10,764 | 204,515 | 3% |
| TOTAL | 741 | | 8,408 | 6,230,196 | | |
| 2003 | <20 | 22 | 4% | 1,966 | 43,251 | 1% |
| | 21-25 | 104 | 18% | 2,665 | 277,192 | 4% |
| | 26-30 | 94 | 16% | 4,208 | 395,574 | 6% |
| | 31-35 | 111 | 19% | 8,288 | 919,974 | 14% |
| | 36-40 | 113 | 19% | 14,938 | 1,687,971 | 26% |
| | 41-45 | 68 | 12% | 20,592 | 1,400,250 | 22% |
| | 46-50 | 48 | 8% | 24,450 | 1,173,576 | 18% |
| | 51-55 | 12 | 2% | 24,685 | 296,220 | 5% |
| | >56 | 12 | 2% | 16,468 | 197,613 | 3% |
| TOTAL | 584 | | 10,945 | 6,391,621 | | |
| 2002 | <20 | 34 | 5% | 1,314 | 44,687 | 1% |
| | 21-25 | 123 | 17% | 2,211 | 271,972 | 5% |
| | 26-30 | 111 | 16% | 3,137 | 348,249 | 7% |
| | 31-35 | 122 | 17% | 5,760 | 702,716 | 14% |
| | 36-40 | 147 | 21% | 9,090 | 1,336,204 | 27% |
| | 41-45 | 79 | 11% | 13,411 | 1,059,442 | 21% |
| | 46-50 | 64 | 9% | 11,734 | 750,989 | 15% |
| | 51-55 | 15 | 2% | 19,988 | 299,817 | 6% |
| | >56 | 13 | 2% | 14,880 | 193,446 | 4% |
| TOTAL | 708 | | 7,073 | 5,007,522 | | |

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.^{a/} (Page 3 of 5)

| Year | Vessels | | | Catch ^{c/} | | |
|-------|------------------------|----------------------|------------------|---------------------------|----------------|------------------|
| | Length Category (feet) | Number ^{b/} | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 2001 | <20 | 26 | 4% | 559 | 14,529 | 1% |
| | 21-25 | 117 | 17% | 1,117 | 130,707 | 5% |
| | 26-30 | 105 | 15% | 2,212 | 232,279 | 10% |
| | 31-35 | 124 | 18% | 3,308 | 410,150 | 17% |
| | 36-40 | 145 | 21% | 4,627 | 670,878 | 28% |
| | 41-45 | 76 | 11% | 6,087 | 462,586 | 19% |
| | 46-50 | 64 | 9% | 5,245 | 335,652 | 14% |
| | 51-55 | 18 | 3% | 5,324 | 95,824 | 4% |
| | >56 | 14 | 2% | 4,000 | 56,006 | 2% |
| TOTAL | 689 | | 3,496 | 2,408,611 | | |
| 2000 | <20 | 41 | 5% | 1,348 | 55,282 | 1% |
| | 21-25 | 139 | 18% | 2,502 | 347,743 | 7% |
| | 26-30 | 116 | 15% | 3,850 | 446,629 | 9% |
| | 31-35 | 130 | 17% | 6,389 | 830,573 | 16% |
| | 36-40 | 165 | 22% | 8,183 | 1,350,228 | 26% |
| | 41-45 | 73 | 10% | 11,447 | 835,622 | 16% |
| | 46-50 | 66 | 9% | 12,811 | 845,530 | 16% |
| | 51-55 | 17 | 2% | 17,942 | 305,017 | 6% |
| | >56 | 12 | 2% | 9,512 | 114,139 | 2% |
| TOTAL | 759 | | 6,760 | 5,130,763 | | |
| 1999 | <20 | 41 | 6% | 891 | 36,524 | 1% |
| | 21-25 | 125 | 19% | 2,259 | 282,366 | 7% |
| | 26-30 | 88 | 13% | 3,712 | 326,697 | 8% |
| | 31-35 | 131 | 20% | 5,196 | 680,635 | 18% |
| | 36-40 | 139 | 21% | 7,867 | 1,093,568 | 28% |
| | 41-45 | 65 | 10% | 10,422 | 677,411 | 18% |
| | 46-50 | 55 | 8% | 10,202 | 561,119 | 15% |
| | 51-55 | 15 | 2% | 9,101 | 136,509 | 4% |
| | >56 | 7 | 1% | 7,275 | 50,928 | 1% |
| TOTAL | 666 | | 5,774 | 3,845,757 | | |
| 1998 | <20 | 45 | 7% | 934 | 42,044 | 2% |
| | 21-25 | 154 | 23% | 1,406 | 216,593 | 12% |
| | 26-30 | 101 | 15% | 2,277 | 229,951 | 12% |
| | 31-35 | 119 | 18% | 2,604 | 309,870 | 17% |
| | 36-40 | 129 | 19% | 4,040 | 521,184 | 28% |
| | 41-45 | 64 | 10% | 4,514 | 288,916 | 16% |
| | 46-50 | 40 | 6% | 4,764 | 190,579 | 10% |
| | 51-55 | 11 | 2% | 3,256 | 35,821 | 2% |
| | >56 | 6 | 1% | 2,018 | 12,105 | 1% |
| TOTAL | 669 | | 2,761 | 1,847,063 | | |
| 1997 | <20 | 54 | 6% | 1,482 | 80,022 | 2% |
| | 21-25 | 197 | 24% | 2,791 | 549,756 | 10% |
| | 26-30 | 126 | 15% | 4,462 | 562,213 | 11% |
| | 31-35 | 144 | 17% | 6,358 | 915,510 | 17% |
| | 36-40 | 157 | 19% | 8,500 | 1,334,555 | 25% |
| | 41-45 | 78 | 9% | 11,281 | 879,913 | 17% |
| | 46-50 | 54 | 6% | 13,156 | 710,418 | 14% |
| | 51-55 | 13 | 2% | 11,806 | 153,476 | 3% |
| | >56 | 12 | 1% | 5,161 | 61,929 | 1% |
| TOTAL | 835 | | 6,285 | 5,247,792 | | |

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.^{a/} (Page 4 of 5)

| Year | Vessels | | | Catch ^{c/} | | |
|-------|------------------------|----------------------|------------------|---------------------------|----------------|------------------|
| | Length Category (feet) | Number ^{b/} | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 1996 | <20 | 66 | 7% | 1,500 | 99,021 | 2% |
| | 21-25 | 221 | 22% | 1,793 | 396,205 | 10% |
| | 26-30 | 163 | 17% | 2,648 | 431,620 | 10% |
| | 31-35 | 161 | 16% | 4,315 | 694,793 | 17% |
| | 36-40 | 176 | 18% | 5,945 | 1,046,274 | 25% |
| | 41-45 | 97 | 10% | 7,311 | 709,120 | 17% |
| | 46-50 | 73 | 7% | 7,984 | 582,826 | 14% |
| | 51-55 | 14 | 1% | 7,751 | 108,511 | 3% |
| | >56 | 14 | 1% | 3,217 | 45,032 | 1% |
| TOTAL | 985 | | 4,176 | 4,113,402 | | |
| 1995 | <20 | 88 | 7% | 1,478 | 130,074 | 2% |
| | 21-25 | 295 | 25% | 2,905 | 856,987 | 13% |
| | 26-30 | 188 | 16% | 4,542 | 853,887 | 13% |
| | 31-35 | 176 | 15% | 6,636 | 1,167,899 | 18% |
| | 36-40 | 210 | 18% | 8,147 | 1,710,765 | 26% |
| | 41-45 | 105 | 9% | 8,748 | 918,546 | 14% |
| | 46-50 | 82 | 7% | 8,480 | 695,374 | 10% |
| | 51-55 | 21 | 2% | 10,708 | 224,861 | 3% |
| | >56 | 14 | 1% | 5,362 | 75,068 | 1% |
| TOTAL | 1,179 | | 5,626 | 6,633,461 | | |
| 1994 | <20 | 78 | 8% | 584 | 45,530 | 1% |
| | 21-25 | 254 | 25% | 1,425 | 362,007 | 12% |
| | 26-30 | 170 | 17% | 2,085 | 354,515 | 11% |
| | 31-35 | 151 | 15% | 3,340 | 504,287 | 16% |
| | 36-40 | 188 | 18% | 4,719 | 887,232 | 29% |
| | 41-45 | 94 | 9% | 5,878 | 552,514 | 18% |
| | 46-50 | 69 | 7% | 4,001 | 276,100 | 9% |
| | 51-55 | 13 | 1% | 8,541 | 111,033 | 4% |
| | >56 | 7 | 1% | 1,412 | 9,887 | 0% |
| TOTAL | 1,024 | | 3,030 | 3,103,105 | | |
| 1993 | <20 | 101 | 8% | 447 | 45,103 | 2% |
| | 21-25 | 321 | 26% | 1,028 | 330,110 | 13% |
| | 26-30 | 218 | 18% | 1,538 | 335,333 | 13% |
| | 31-35 | 167 | 13% | 2,467 | 411,989 | 16% |
| | 36-40 | 216 | 17% | 3,103 | 670,209 | 26% |
| | 41-45 | 103 | 8% | 3,859 | 397,525 | 16% |
| | 46-50 | 78 | 6% | 3,050 | 237,930 | 9% |
| | 51-55 | 22 | 2% | 4,205 | 92,500 | 4% |
| | >56 | 14 | 1% | 1,156 | 16,185 | 1% |
| TOTAL | 1,240 | | 2,046 | 2,536,884 | | |
| 1992 | <20 | 98 | 9% | 347 | 33,962 | 2% |
| | 21-25 | 279 | 26% | 838 | 233,894 | 14% |
| | 26-30 | 190 | 18% | 1,178 | 223,847 | 14% |
| | 31-35 | 158 | 15% | 1,535 | 242,532 | 15% |
| | 36-40 | 180 | 17% | 2,579 | 464,288 | 28% |
| | 41-45 | 87 | 8% | 2,842 | 247,249 | 15% |
| | 46-50 | 64 | 6% | 1,720 | 110,058 | 7% |
| | 51-55 | 19 | 2% | 3,719 | 70,668 | 4% |
| | >56 | 10 | 1% | 1,691 | 16,906 | 1% |
| TOTAL | 1,085 | | 1,515 | 1,643,404 | | |

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.^{a/} (Page 5 of 5)

| Year | Vessels | | | Catch ^{c/} | | |
|------|---------------------------|----------------------|---------------------|------------------------------|-------------------|---------------------|
| | Length Category (feet) | Number ^{b/} | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 1991 | <20 | 196 | 11% | 540 | 105,895 | 3% |
| | 21-25 | 427 | 24% | 944 | 403,026 | 11% |
| | 26-30 | 300 | 17% | 1,489 | 446,841 | 12% |
| | 31-35 | 219 | 12% | 2,284 | 500,112 | 14% |
| | 36-40 | 309 | 17% | 3,194 | 987,011 | 27% |
| | 41-45 | 148 | 8% | 4,315 | 638,649 | 17% |
| | 46-50 | 118 | 7% | 3,814 | 450,025 | 12% |
| | 51-55 | 27 | 2% | 4,852 | 130,991 | 4% |
| | 56-60 | 13 | 1% | 1,514 | 19,681 | 1% |
| | >60 | 9 | 1% | 1,594 | 14,349 | 0% |
| | Unknown | 3 | 0% | 226 | 677 | 0% |
| | TOTAL | 1,769 | | 2,090 | 3,697,257 | |

a/ Derived from vessel registrations and fish landing tickets.

b/ Number of boats includes only those recording pounds greater than 0.

c/ Excludes pink salmon landings.

d/ Preliminary.

e/ Fewer than three vessels. Values combined with nearest category to preserve confidentiality.

TABLE D-8. Oregon salmon troll boat-size catch statistics in pounds of dressed salmon. (Page 1 of 3)

| Year | Vessels | | | Catch | | |
|--------------------|------------------------|----------------------|------------------|---------------------------|----------------|------------------|
| | Length Category (feet) | Number ^{a/} | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 2011 ^{b/} | <20 | c/ | c/ | c/ | c/ | c/ |
| | 20-29 | 82 | 27% | 628 | 51,463 | 13% |
| | 30-39 | 101 | 33% | 1,311 | 132,450 | 33% |
| | 40-49 | 97 | 32% | 1,926 | 186,807 | 46% |
| | >50 | 22 | 7% | 1,462 | 32,163 | 8% |
| | TOTAL | 302 | | 1,334 | 402,883 | |
| 2010 | <20 | 4 | 1% | 498 | 1,990 | 0% |
| | 20-29 | 86 | 23% | 620 | 53,298 | 10% |
| | 30-39 | 124 | 34% | 1,339 | 166,008 | 32% |
| | 40-49 | 126 | 34% | 1,991 | 250,837 | 49% |
| | >50 | 30 | 8% | 1,351 | 40,527 | 8% |
| | TOTAL | 370 | | 1,386 | 512,660 | |
| 2009 | <20 | 3 | 1% | 269 | 808 | 1% |
| | 20-29 | 94 | 42% | 674 | 63,374 | 43% |
| | 30-39 | 65 | 29% | 693 | 45,040 | 31% |
| | 40-49 | 53 | 24% | 656 | 34,771 | 24% |
| | >50 | 9 | 4% | 241 | 2,167 | 1% |
| | TOTAL | 224 | | 653 | 146,160 | |
| 2008 | <20 | 3 | 2% | 87 | 260 | 0% |
| | 20-29 | 47 | 34% | 250 | 11,738 | 17% |
| | 30-39 | 43 | 31% | 509 | 21,882 | 32% |
| | 40-49 | 38 | 28% | 828 | 31,473 | 46% |
| | >50 | 7 | 5% | 500 | 3,498 | 5% |
| | TOTAL | 138 | | 499 | 68,851 | |
| 2007 | <20 | 3 | 1% | 246 | 739 | 0% |
| | 20-29 | 90 | 21% | 851 | 76,558 | 14% |
| | 30-39 | 153 | 35% | 1,426 | 218,197 | 39% |
| | 40-49 | 146 | 33% | 1,562 | 227,980 | 40% |
| | >50 | 44 | 10% | 942 | 41,429 | 7% |
| | TOTAL | 436 | | 1,296 | 564,903 | |
| 2006 | <20 | 3 | 1% | 1,094 | 3,281 | 1% |
| | 20-29 | 78 | 22% | 662 | 51,607 | 10% |
| | 30-39 | 124 | 35% | 1,484 | 184,030 | 37% |
| | 40-49 | 127 | 36% | 1,672 | 212,290 | 43% |
| | >50 | 25 | 7% | 1,898 | 47,462 | 10% |
| | TOTAL | 357 | | 1,397 | 498,670 | |
| 2005 | <20 | 7 | 1% | 335 | 2,343 | 0% |
| | 20-29 | 122 | 22% | 1,716 | 209,336 | 8% |
| | 30-39 | 186 | 33% | 4,878 | 907,312 | 34% |
| | 40-49 | 188 | 33% | 6,436 | 1,209,982 | 45% |
| | >50 | 62 | 11% | 5,840 | 362,051 | 13% |
| | TOTAL | 565 | | 4,763 | 2,691,024 | |

TABLE D-8. Oregon salmon troll boat-size catch statistics in pounds of dressed salmon. (Page 2 of 3)

| Year | Vessels | | | Catch | | |
|------|------------------------|----------------------|------------------|---------------------------|----------------|------------------|
| | Length Category (feet) | Number ^{a/} | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 2004 | <20 | 4 | 1% | 721 | 2,883 | 0% |
| | 20-29 | 120 | 20% | 2,266 | 271,944 | 9% |
| | 30-39 | 205 | 34% | 5,149 | 1,055,574 | 36% |
| | 40-49 | 199 | 33% | 6,360 | 1,265,683 | 44% |
| | >50 | 67 | 11% | 4,668 | 312,752 | 11% |
| | TOTAL | 595 | | 4,889 | 2,908,836 | |
| 2003 | <20 | 4 | 1% | 957 | 3,829 | 0% |
| | 20-29 | 120 | 24% | 2,425 | 291,051 | 8% |
| | 30-39 | 167 | 34% | 7,702 | 1,286,218 | 35% |
| | 40-49 | 152 | 31% | 10,170 | 1,545,898 | 42% |
| | >50 | 48 | 10% | 11,220 | 538,580 | 15% |
| | TOTAL | 491 | | 7,466 | 3,665,576 | |
| 2002 | <20 | 3 | 1% | 1,760 | 5,281 | 0% |
| | 20-29 | 103 | 22% | 3,488 | 359,299 | 10% |
| | 30-39 | 179 | 38% | 7,931 | 1,419,713 | 41% |
| | 40-49 | 140 | 30% | 10,092 | 1,412,864 | 40% |
| | >50 | 42 | 9% | 7,173 | 301,280 | 9% |
| | TOTAL | 467 | | 7,491 | 3,498,437 | |
| 2001 | <20 | 6 | 1% | 1,271 | 7,626 | 0% |
| | 20-29 | 102 | 23% | 2,768 | 282,386 | 10% |
| | 30-39 | 170 | 38% | 6,894 | 1,172,058 | 40% |
| | 40-49 | 141 | 31% | 9,175 | 1,293,723 | 44% |
| | >50 | 30 | 7% | 6,488 | 194,652 | 7% |
| | TOTAL | 449 | | 6,571 | 2,950,445 | |
| 2000 | <20 | 3 | 1% | 2,056 | 6,169 | 0% |
| | 20-29 | 100 | 25% | 1,933 | 193,346 | 12% |
| | 30-39 | 157 | 39% | 4,726 | 741,968 | 48% |
| | 40-49 | 111 | 28% | 4,594 | 509,986 | 33% |
| | >50 | 28 | 7% | 3,606 | 100,965 | 7% |
| | TOTAL | 399 | | 3,891 | 1,552,434 | |
| 1999 | <20 | 6 | 2% | 1,131 | 6,783 | 1% |
| | 20-29 | 68 | 21% | 1,205 | 81,964 | 11% |
| | 30-39 | 140 | 43% | 2,517 | 352,355 | 49% |
| | 40-49 | 93 | 28% | 2,499 | 232,418 | 32% |
| | >50 | 21 | 6% | 2,298 | 48,263 | 7% |
| | TOTAL | 328 | | 2,201 | 721,783 | |
| 1998 | <20 | 5 | 1% | 1,536 | 7,679 | 1% |
| | 20-29 | 65 | 17% | 1,036 | 67,332 | 5% |
| | 30-39 | 163 | 44% | 3,673 | 598,702 | 43% |
| | 40-49 | 110 | 29% | 5,395 | 593,433 | 42% |
| | >50 | 30 | 8% | 4,351 | 130,537 | 9% |
| | TOTAL | 373 | | 3,747 | 1,397,683 | |

TABLE D-8. Oregon salmon troll boat-size catch statistics in pounds of dressed salmon. (Page 3 of 3)

| Year | Vessels | | | Catch | | |
|------|------------------------|----------------------|------------------|---------------------------|----------------|------------------|
| | Length Category (feet) | Number ^{a/} | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 1997 | <20 | 5 | 1% | 1,149 | 5,743 | 0% |
| | 20-29 | 98 | 23% | 838 | 82,089 | 5% |
| | 30-39 | 185 | 43% | 3,976 | 735,478 | 48% |
| | 40-49 | 114 | 26% | 5,401 | 615,756 | 40% |
| | >50 | 31 | 7% | 3,322 | 102,982 | 7% |
| | TOTAL | 433 | | 3,561 | 1,542,048 | |
| 1996 | <20 | 6 | 1% | 2,088 | 12,530 | 1% |
| | 20-29 | 117 | 26% | 1,009 | 118,069 | 6% |
| | 30-39 | 186 | 41% | 5,010 | 931,895 | 48% |
| | 40-49 | 115 | 25% | 6,466 | 743,584 | 39% |
| | >50 | 32 | 7% | 3,720 | 119,048 | 6% |
| | TOTAL | 456 | | 4,222 | 1,925,126 | |
| 1995 | <20 | 8 | 2% | 1,561 | 12,486 | 1% |
| | 20-29 | 142 | 30% | 1,190 | 168,999 | 9% |
| | 30-39 | 185 | 39% | 4,571 | 845,647 | 44% |
| | 40-49 | 111 | 23% | 6,884 | 764,118 | 39% |
| | >50 | 30 | 6% | 4,995 | 149,846 | 8% |
| | TOTAL | 476 | | 4,078 | 1,941,096 | |
| 1994 | <20 | 7 | 2% | 968 | 6,776 | 2% |
| | 20-29 | 114 | 31% | 435 | 49,573 | 17% |
| | 30-39 | 153 | 41% | 825 | 126,188 | 44% |
| | 40-49 | 85 | 23% | 1,080 | 91,834 | 32% |
| | >50 | 12 | 3% | 1,032 | 12,382 | 4% |
| | TOTAL | 371 | | 773 | 286,753 | |
| 1993 | <20 | 10 | 2% | 662 | 6,619 | 1% |
| | 20-29 | 206 | 34% | 558 | 115,029 | 15% |
| | 30-39 | 236 | 39% | 1,549 | 365,597 | 47% |
| | 40-49 | 128 | 21% | 1,888 | 241,663 | 31% |
| | >50 | 32 | 5% | 1,282 | 41,029 | 5% |
| | TOTAL | 612 | | 1,258 | 769,937 | |
| 1992 | <20 | 7 | 1% | 706 | 4,945 | 0% |
| | 20-29 | 242 | 37% | 849 | 205,466 | 17% |
| | 30-39 | 245 | 38% | 2,384 | 584,162 | 48% |
| | 40-49 | 134 | 21% | 2,911 | 390,040 | 32% |
| | >50 | 21 | 3% | 1,630 | 34,231 | 3% |
| | TOTAL | 649 | | 1,878 | 1,218,844 | |
| 1991 | <20 | 22 | 2% | 621 | 13,672 | 1% |
| | 20-29 | 568 | 47% | 1,266 | 719,071 | 34% |
| | 30-39 | 365 | 30% | 2,138 | 780,386 | 37% |
| | 40-49 | 209 | 17% | 2,468 | 515,790 | 24% |
| | >50 | 53 | 4% | 1,590 | 84,279 | 4% |
| | TOTAL | 1,217 | | 1,736 | 2,113,198 | |

a/ Number of boats includes only those with at least one landing containing troll-caught salmon.

b/ Preliminary.

c/ Fewer than three vessels. Values combined with next category below to preserve confidentiality.

TABLE D-9. Washington non-Indian salmon troll boat-size catch statistics in pounds of dressed salmon.^{a/b/} (Page 1 of 3)

| Year | Vessels | | | Catch | | |
|------|------------------------|----------------------|------------------|---------------------------|----------------|------------------|
| | Length Category (feet) | Number ^{c/} | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 2011 | <25 | 12 | 11% | 1,329 | 15,946 | 5% |
| | 25-36 | 33 | 29% | 3,002 | 99,059 | 29% |
| | >36 | 66 | 59% | 3,406 | 224,809 | 66% |
| | Unknown | 1 | 1% | 508 | 508 | 0% |
| | TOTAL | 112 | | 8,245 | 340,322 | |
| 2010 | <25 | 10 | 9% | 1,490 | 14,902 | 3% |
| | 25-36 | 31 | 27% | 3,990 | 123,695 | 23% |
| | >36 | 72 | 62% | 5,693 | 409,871 | 75% |
| | Unknown | 3 | 3% | 427 | 1,281 | 0% |
| | TOTAL | 116 | | 11,600 | 549,749 | |
| 2009 | <25 | 5 | 5% | 2,160 | 10,800 | 4% |
| | 25-36 | 28 | 29% | 3,553 | 99,475 | 34% |
| | >36 | 64 | 66% | 2,842 | 181,911 | 62% |
| | Unknown | 0 | - | - | - | - |
| | TOTAL | 97 | | 8,555 | 292,186 | |
| 2008 | <25 | 4 | 5% | 1,341 | 5,364 | 5% |
| | 25-36 | 27 | 31% | 1,486 | 42,835 | 37% |
| | >36 | 55 | 64% | 1,203 | 66,167 | 58% |
| | Unknown | 0 | - | - | - | - |
| | TOTAL | 86 | | 4,030 | 114,366 | |
| 2007 | <25 | 3 | 4% | 3,180 | 9,539 | 4% |
| | 25-36 | 25 | 32% | 2,610 | 65,240 | 30% |
| | >36 | 51 | 65% | 2,807 | 143,155 | 66% |
| | Unknown | 0 | - | - | - | - |
| | TOTAL | 79 | | 8,596 | 217,934 | |
| 2006 | <25 | 3 | 4% | 2,398 | 7,194 | 3% |
| | 25-36 | 24 | 29% | 1,983 | 47,593 | 21% |
| | >36 | 56 | 67% | 3,073 | 172,069 | 74% |
| | Unknown | 1 | 1% | 4,804 | 4,804 | 2% |
| | TOTAL | 84 | | 12,258 | 231,660 | |
| 2005 | <25 | 6 | 7% | 4,309 | 25,854 | 5% |
| | 25-36 | 24 | 26% | 4,801 | 115,228 | 24% |
| | >36 | 60 | 66% | 5,540 | 332,400 | 69% |
| | Unknown | 1 | 1% | 7,088 | 7,088 | 1% |
| | TOTAL | 91 | | 21,738 | 480,570 | |
| 2004 | <25 | 8 | 9% | 4,463 | 35,700 | 6% |
| | 25-36 | 20 | 23% | 5,797 | 115,933 | 20% |
| | >36 | 56 | 65% | 7,749 | 433,952 | 73% |
| | Unknown | 2 | 2% | 4,464 | 8,927 | 2% |
| | TOTAL | 86 | | 6,913 | 594,512 | |
| 2003 | <25 | 10 | 12% | 6,141 | 61,407 | 7% |
| | 25-36 | 19 | 23% | 7,433 | 141,235 | 16% |
| | >36 | 53 | 65% | 12,715 | 673,876 | 77% |
| | Unknown | 0 | - | - | - | - |
| | TOTAL | 82 | | 10,689 | 876,518 | |

TABLE D-9. Washington non-Indian salmon troll boat-size catch statistics in pounds of dressed salmon.^{a/b/} (Page 2 of 3)

| Year | Vessels | | | Catch | | |
|------|------------------------|----------------------|------------------|---------------------------|----------------|------------------|
| | Length Category (feet) | Number ^{c/} | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 2002 | <25 | 7 | 9% | 7,326 | 51,283 | 8% |
| | 25-36 | 17 | 23% | 6,275 | 106,668 | 16% |
| | >36 | 50 | 67% | 9,931 | 496,565 | 73% |
| | Unknown | 1 | 1% | 25,133 | 25,133 | 4% |
| | TOTAL | 75 | | 9,062 | 679,649 | |
| 2001 | <25 | 3 | 5% | 4,534 | 13,603 | 5% |
| | 25-36 | 15 | 26% | 3,960 | 59,403 | 20% |
| | >36 | 39 | 68% | 5,576 | 217,467 | 75% |
| | Unknown | 0 | - | - | - | - |
| | TOTAL | 57 | | 5,096 | 290,473 | |
| 2000 | <25 | 3 | 6% | 873 | 2,620 | 2% |
| | 25-36 | 13 | 27% | 3,401 | 44,218 | 27% |
| | >36 | 29 | 59% | 3,627 | 105,171 | 65% |
| | Unknown | 4 | 8% | 2,573 | 10,291 | 6% |
| | TOTAL | 49 | | 3,312 | 162,300 | |
| 1999 | <25 | 5 | 9% | 2,511 | 12,557 | 6% |
| | 25-36 | 14 | 25% | 3,731 | 52,237 | 24% |
| | >36 | 35 | 61% | 4,333 | 151,638 | 69% |
| | Unknown | 3 | 5% | 1,220 | 3,661 | 2% |
| | TOTAL | 57 | | 3,861 | 220,093 | |
| 1998 | <25 | 3 | 13% | 545 | 1,634 | 2% |
| | 25-36 | 6 | 26% | 2,842 | 17,050 | 21% |
| | >36 | 13 | 57% | 4,799 | 62,385 | 76% |
| | Unknown | 1 | 4% | 522 | 522 | 1% |
| | TOTAL | 23 | | 3,547 | 81,591 | |
| 1997 | <25 | 7 | 14% | 322 | 2,253 | 3% |
| | 25-36 | 16 | 31% | 1,468 | 23,491 | 29% |
| | >36 | 26 | 51% | 2,096 | 54,500 | 67% |
| | Unknown | 2 | 4% | 352 | 703 | 1% |
| | TOTAL | 51 | | 1,587 | 80,947 | |
| 1996 | <25 | 39 | 43% | 709 | 27,664 | 31% |
| | 25-36 | 24 | 27% | 868 | 20,826 | 23% |
| | >36 | 20 | 22% | 1,372 | 27,440 | 31% |
| | Unknown | 7 | 8% | 1,861 | 13,029 | 15% |
| | TOTAL | 90 | | 988 | 88,959 | |
| 1995 | <25 | 45 | 47% | 1,864 | 83,901 | 36% |
| | 25-36 | 30 | 31% | 2,936 | 88,083 | 38% |
| | >36 | 17 | 18% | 2,950 | 50,144 | 22% |
| | Unknown | 4 | 4% | 2,351 | 9,403 | 4% |
| | TOTAL | 96 | | 2,412 | 231,531 | |

TABLE D-9. Washington non-Indian salmon troll boat-size catch statistics in pounds of dressed salmon.^{a/b/} (Page 3 of 3)

| Year | Vessels | | | Catch | | |
|--------------------|------------------------|----------------------|------------------|---------------------------|----------------|------------------|
| | Length Category (feet) | Number ^{c/} | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 1994 ^{d/} | <25 | 0 | - | - | - | - |
| | 25-36 | 0 | - | - | - | - |
| | >36 | 1 | 100% | 7,263 | 7,263 | 100% |
| | Unknown | 0 | - | - | - | - |
| | TOTAL | 1 | | 7,263 | 7,263 | |
| 1993 | <25 | 174 | 37% | 235 | 40,879 | 10% |
| | 25-36 | 134 | 28% | 627 | 84,005 | 20% |
| | >36 | 145 | 31% | 1,832 | 265,684 | 65% |
| | Unknown | 21 | 4% | 924 | 19,406 | 5% |
| | TOTAL | 474 | | 865 | 409,974 | |
| 1992 | <25 | 241 | 40% | 276 | 66,617 | 11% |
| | 25-36 | 167 | 28% | 727 | 121,416 | 21% |
| | >36 | 170 | 28% | 2,175 | 369,833 | 63% |
| | Unknown | 26 | 4% | 956 | 24,848 | 4% |
| | TOTAL | 604 | | 965 | 582,714 | |
| 1991 | <25 | 292 | 36% | 426 | 124,397 | 16% |
| | 25-36 | 204 | 25% | 729 | 148,643 | 19% |
| | >36 | 212 | 26% | 1,859 | 394,075 | 51% |
| | Unknown | 103 | 13% | 1,006 | 103,637 | 13% |
| | TOTAL | 811 | | 950 | 770,752 | |

a/ All values in this table are based on preliminary information available at the start of each year's review.

b/ Excludes pink salmon landings.

c/ Number of boats includes only those recording pounds greater than 0.

d/ The fishery was closed north of Cape Falcon, however, Chinook were caught off Oregon and landed in Puget Sound.

TABLE D-10. Preliminary California salmon landings (in pounds of dressed salmon) and exvessel values by vessel size categories and port from Crescent City to Morro Bay South, 2011.

| Port | Length Category (feet) | Number of Deliveries | Total Dressed Pounds Landed | Total Exvessel Value (dollars) | Percent Exvessel Value Landed in Port |
|--------------------------|------------------------|----------------------|-----------------------------|--------------------------------|---------------------------------------|
| Crescent City | <26 | a/ | a/ | a/ | a/ |
| | 26-36 | 10 | 3,199 | 15,667 | 38% |
| | >36 | 16 | 5,131 | 24,941 | 61% |
| | TOTAL | 26 | 8,330 | 40,608 | |
| Eureka | <26 | 58 | 6,545 | 33,426 | 13% |
| | 26-36 | 44 | 5,330 | 26,994 | 10% |
| | >36 | 97 | 40,756 | 200,198 | 77% |
| | TOTAL | 199 | 52,631 | 260,618 | |
| Shelter Cove | <26 | 66 | 16,419 | 80,461 | 45% |
| | 26-36 | 10 | 5,377 | 26,578 | 15% |
| | >36 | 11 | 14,866 | 72,000 | 40% |
| | TOTAL | 87 | 36,662 | 179,039 | |
| Fort Bragg ^{b/} | <26 | 81 | 8,662 | 41,111 | 2% |
| | 26-36 | 246 | 114,226 | 562,663 | 21% |
| | >36 | 565 | 461,656 | 2,140,339 | 78% |
| | TOTAL | 892 | 584,544 | 2,744,113 | |
| Bodega Bay | <26 | 115 | 9,922 | 62,891 | 10% |
| | 26-36 | 196 | 31,119 | 164,866 | 27% |
| | >36 | 167 | 68,057 | 389,227 | 63% |
| | TOTAL | 478 | 109,098 | 616,984 | |
| San Francisco | <26 | 140 | 6,232 | 41,071 | 15% |
| | 26-36 | 83 | 14,599 | 89,424 | 32% |
| | >36 | 106 | 25,286 | 152,289 | 54% |
| | TOTAL | 329 | 46,117 | 282,784 | |
| Half Moon Bay | <26 | 21 | 1,547 | 11,643 | 3% |
| | 26-36 | 77 | 6,056 | 45,524 | 11% |
| | >36 | 195 | 50,735 | 339,583 | 86% |
| | TOTAL | 293 | 58,338 | 396,750 | |
| Santa Cruz | <26 | 54 | 2,817 | 17,296 | 13% |
| | 26-36 | 163 | 12,161 | 75,828 | 58% |
| | >36 | 38 | 5,649 | 37,410 | 29% |
| | TOTAL | 255 | 20,627 | 130,534 | |
| Moss Landing | <26 | 201 | 7,336 | 42,927 | 24% |
| | 26-36 | 205 | 11,186 | 67,964 | 37% |
| | >36 | 73 | 12,425 | 72,188 | 39% |
| | TOTAL | 479 | 30,947 | 183,079 | |
| Monterey | <26 | 140 | 7,503 | 48,462 | 28% |
| | 26-36 | 231 | 17,988 | 115,688 | 66% |
| | >36 | 24 | 1,803 | 12,050 | 7% |
| | TOTAL | 395 | 27,294 | 176,200 | |
| Morro Bay south | <26 | 45 | 1,993 | 13,812 | 14% |
| | 26-36 | 73 | 7,263 | 53,952 | 53% |
| | >36 | 66 | 4,652 | 34,774 | 34% |
| | TOTAL | 184 | 13,908 | 102,538 | |

a/ Fewer than three vessels. Values combined with nearest category to preserve confidentiality.

b/ Fort Bragg includes minor landings made in Mendocino County areas.

TABLE D-11. Preliminary 2011 Washington non-Indian troll salmon landings (in pounds of dressed salmon) and exvessel value by vessel size category and port area.^{a/b/}

| Port Area | Length Category (feet) | Number of Boats | Number of Boat Days Fished | Total Dressed Pounds Landed | Total Exvessel Value (dollars) | Percent Exvessel Value Landed in Port |
|---------------------------|------------------------|-----------------|----------------------------|-----------------------------|--------------------------------|---------------------------------------|
| Neah Bay | <25 | c/ | c/ | c/ | c/ | c/ |
| | 25-36 | 8 | 111 | 23,823 | 96,785 | 18% |
| | >36 | 25 | 466 | 95,293 | 445,202 | 82% |
| | Unknown | c/ | c/ | c/ | c/ | c/ |
| | TOTAL | 33 | 577 | 119,116 | 541,987 | |
| La Push | <25 | 5 | 9 | 784 | 3,339 | 2% |
| | 25-36 | 6 | 92 | 15,115 | 79,263 | 37% |
| | >36 | 6 | 123 | 29,707 | 131,818 | 61% |
| | Unknown | 0 | - | - | - | - |
| | TOTAL | 17 | 224 | 45,606 | 214,420 | |
| Westport | <25 | 8 | 127 | 13,138 | 59,227 | 7% |
| | 25-36 | 23 | 471 | 61,444 | 327,702 | 38% |
| | >36 | 42 | 598 | 89,864 | 485,505 | 56% |
| | Unknown | c/ | c/ | c/ | c/ | c/ |
| | TOTAL | 73 | 1,196 | 164,446 | 872,434 | |
| Ilwaco | <25 | 0 | - | - | - | - |
| | 25-36 | 3 | 7 | 701 | 3,704 | 6% |
| | >36 | 12 | 87 | 10,453 | 55,773 | 94% |
| | Unknown | 0 | - | - | - | - |
| | TOTAL | 15 | 94 | 11,154 | 59,477 | |
| Puget Sound ^{d/} | <25 | - | - | - | - | - |
| | 25-36 | - | - | - | - | - |
| | >36 | - | - | - | - | - |
| | Unknown | - | - | - | - | - |
| | TOTAL | - | - | - | - | - |

a/ Preliminary.

b/ Total pounds and exvessel values reported in this table may be less than are reported in other tables of the Review. The differences are generally one percent or less and likely related to vessel information missing for certain landings.

c/ Fewer than three vessels. Values combined with next category to preserve confidentiality.

d/ Landed on the coast and transported to Puget Sound for processing.

TABLE D-12. California number of vessels landing 50 percent and 90 percent of total pounds of salmon troll catch by year.

| Year | Total Vessels | 50 Percent of Pounds Landed | | 90 Percent of Pounds Landed | |
|--------------------|---------------|-----------------------------|------------------|-----------------------------|------------------|
| | | Number of Vessels | Percent of Fleet | Number of Vessels | Percent of Fleet |
| 1978 | 4,919 | 542 | 11.0% | 2,024 | 41.1% |
| 1979 | 4,594 | 373 | 8.1% | 1,641 | 35.7% |
| 1980 | 4,738 | 431 | 9.1% | 1,733 | 36.6% |
| 1981 | 4,102 | 395 | 9.6% | 1,599 | 39.0% |
| 1982 | 4,013 | 438 | 10.9% | 1,602 | 39.9% |
| 1983 | 3,223 | 353 | 11.0% | 1,268 | 39.3% |
| 1984 | 2,569 | 213 | 8.3% | 918 | 35.7% |
| 1985 | 2,308 | 241 | 10.4% | 898 | 38.9% |
| 1986 | 2,582 | 302 | 11.7% | 1,151 | 44.6% |
| 1987 | 2,442 | 320 | 13.1% | 1,080 | 44.2% |
| 1988 | 2,571 | 409 | 15.9% | 1,285 | 50.0% |
| 1989 | 2,534 | 363 | 14.3% | 1,244 | 49.1% |
| 1990 | 2,115 | 295 | 13.9% | 976 | 46.1% |
| 1991 | 1,769 | 224 | 12.7% | 791 | 44.7% |
| 1992 | 1,085 | 131 | 12.1% | 485 | 44.7% |
| 1993 | 1,240 | 163 | 13.1% | 554 | 44.7% |
| 1994 | 1,024 | 141 | 13.8% | 459 | 44.8% |
| 1995 | 1,179 | 190 | 16.1% | 581 | 49.3% |
| 1996 | 985 | 128 | 13.0% | 434 | 44.1% |
| 1997 | 835 | 117 | 14.0% | 377 | 45.1% |
| 1998 | 670 | 90 | 13.4% | 325 | 48.5% |
| 1999 | 666 | 103 | 15.5% | 316 | 47.4% |
| 2000 | 759 | 117 | 15.4% | 370 | 48.7% |
| 2001 | 689 | 90 | 13.1% | 328 | 47.6% |
| 2002 | 708 | 89 | 12.6% | 315 | 44.5% |
| 2003 | 584 | 74 | 12.7% | 237 | 40.6% |
| 2004 | 741 | 108 | 14.6% | 344 | 46.4% |
| 2005 | 680 | 111 | 16.3% | 341 | 50.1% |
| 2006 | 477 | 80 | 16.8% | 236 | 49.5% |
| 2007 | 601 | 95 | 15.8% | 293 | 48.8% |
| 2008 | - | - | - | - | - |
| 2009 | - | - | - | - | - |
| 2010 | 215 | 21 | 9.8% | 84 | 39.1% |
| 2011 ^{a/} | 462 | 58 | 12.6% | 202 | 43.7% |

a/ Preliminary.

TABLE D-13. Oregon number of vessels landing 50 percent and 90 percent of total pounds of salmon troll catch by year.^{a/}

| Year | Total Vessels | 50% of Pounds Landed | | 90% of Pounds Landed | |
|--------------------|---------------|----------------------|------------------|----------------------|------------------|
| | | Number of Vessels | Percent of Fleet | Number of Vessels | Percent of Fleet |
| 1974 | 1,914 | 326 | 17.0% | 1,032 | 53.9% |
| 1975 | 1,979 | 329 | 16.6% | 1,054 | 53.3% |
| 1976 | 2,770 | 453 | 16.4% | 1,460 | 52.7% |
| 1977 | 3,108 | 473 | 15.2% | 1,597 | 51.4% |
| 1978 | 3,157 | 446 | 14.1% | 1,576 | 49.9% |
| 1979 | 3,114 | 423 | 13.6% | 1,449 | 46.5% |
| 1980 | 3,875 | 372 | 9.6% | 1,375 | 35.5% |
| 1981 | 3,615 | 420 | 11.6% | 1,391 | 38.5% |
| 1982 | 3,269 | 359 | 11.0% | 1,249 | 38.2% |
| 1983 | 2,951 | 294 | 10.0% | 1,082 | 36.7% |
| 1984 | 771 | 88 | 11.4% | 333 | 43.2% |
| 1985 | 2,050 | 132 | 6.4% | 514 | 25.1% |
| 1986 | 2,284 | 238 | 10.4% | 851 | 37.3% |
| 1987 | 2,111 | 292 | 13.8% | 928 | 44.0% |
| 1988 | 2,061 | 337 | 16.4% | 1,069 | 51.9% |
| 1989 | 1,937 | 303 | 15.6% | 959 | 49.5% |
| 1990 | 1,557 | 221 | 14.2% | 709 | 45.5% |
| 1991 | 1,217 | 206 | 16.9% | 651 | 53.5% |
| 1992 | 649 | 87 | 13.4% | 286 | 44.1% |
| 1993 | 612 | 67 | 10.9% | 235 | 38.4% |
| 1994 | 371 | 43 | 11.6% | 152 | 41.0% |
| 1995 | 476 | 52 | 10.9% | 184 | 38.7% |
| 1996 | 456 | 62 | 13.6% | 202 | 44.3% |
| 1997 | 433 | 60 | 13.9% | 184 | 42.5% |
| 1998 | 373 | 51 | 13.7% | 165 | 44.2% |
| 1999 | 328 | 47 | 14.3% | 150 | 45.7% |
| 2000 | 399 | 68 | 17.0% | 197 | 49.4% |
| 2001 | 449 | 68 | 15.1% | 221 | 49.2% |
| 2002 | 467 | 76 | 16.3% | 230 | 49.3% |
| 2003 | 491 | 83 | 16.9% | 254 | 51.7% |
| 2004 | 595 | 110 | 18.5% | 318 | 53.4% |
| 2005 | 565 | 103 | 18.2% | 310 | 54.9% |
| 2006 | 357 | 67 | 18.8% | 200 | 56.0% |
| 2007 | 436 | 69 | 15.8% | 232 | 53.2% |
| 2008 | 140 | 25 | 17.9% | 75 | 53.6% |
| 2009 | 224 | 27 | 12.1% | 105 | 46.9% |
| 2010 | 370 | 43 | 11.6% | 139 | 37.6% |
| 2011 ^{b/} | 302 | 32 | 10.6% | 113 | 37.4% |

a/ Includes licensed (permitted for 1980 on) and properly identified vessels only. Total poundage on which the numbers are based is not equal to total aggregate troll landings because of landings by unlicensed or misidentified vessels. Percentages of total pounds not credited to licensed (permitted) vessels were: 1974 -19 percent, 1975 - 19 percent, 1976 - 9.4 percent, 1977 - 8 percent, 1978 - 1.4 percent, 1979 - 0.2 percent, 1980 - 1.7 percent, 1981 - 0.11 percent, 1982-2002 - less than 0.05 percent, 2003 - 0.06 percent, 2004 - 0.15 percent, 2005 - 0.32 percent, 2006 - 0.08 percent, 2007 - 0.7 percent, 2008 - 0.05 percent; 2009 - 0.05 percent; 2010 - 0.05 percent; and 2011 - 0.02 percent.

b/ Preliminary.

TABLE D-14. Washington number of vessels landing 50 percent and 90 percent (by numbers of fish) of non-Indian troll salmon catch.^{a/}

| Year | Total Vessels | 50% of Fish Landed | | 90% of Fish Landed | |
|--------------------|---------------|--------------------|------------------|--------------------|------------------|
| | | Number of Vessels | Percent of Fleet | Number of Vessels | Percent of Fleet |
| 1978 | 3,041 | 223 | 7.3% | 1,040 | 34.2% |
| 1979 | 2,778 | 253 | 9.1% | 946 | 34.1% |
| 1980 | 2,626 | 206 | 7.8% | 883 | 33.6% |
| 1981 | 2,439 | 214 | 8.8% | 810 | 33.2% |
| 1982 | 2,253 | 181 | 8.0% | 703 | 31.2% |
| 1983 | 2,056 | 75 | 3.6% | 409 | 19.9% |
| 1984 | 374 | 55 | 14.7% | 180 | 48.1% |
| 1985 | 1,259 | 104 | 8.3% | 443 | 35.2% |
| 1986 | 1,252 | 100 | 8.0% | 387 | 30.9% |
| 1987 | 883 | 97 | 11.0% | 385 | 43.6% |
| 1988 | 650 | 51 | 7.8% | 239 | 36.8% |
| 1989 | 883 | 70 | 7.9% | 268 | 30.4% |
| 1990 | 897 | 111 | 12.4% | 373 | 41.6% |
| 1991 | 811 | 84 | 10.4% | 344 | 42.4% |
| 1992 | 604 | 59 | 9.8% | 193 | 32.0% |
| 1993 | 474 | 47 | 9.9% | 162 | 34.2% |
| 1994 ^{b/} | 1 | NA | NA | NA | NA |
| 1995 | 96 | 13 | 13.5% | 41 | 42.7% |
| 1996 | 90 | 14 | 15.6% | 45 | 50.0% |
| 1997 | 51 | 7 | 13.7% | 23 | 45.1% |
| 1998 | 23 | 5 | 21.7% | 12 | 52.2% |
| 1999 | 57 | 10 | 17.5% | 32 | 56.1% |
| 2000 | 49 | 11 | 22.4% | 28 | 57.1% |
| 2001 | 57 | 12 | 21.1% | 34 | 59.6% |
| 2002 | 75 | 15 | 20.0% | 42 | 56.0% |
| 2003 | 82 | 18 | 22.0% | 47 | 57.3% |
| 2004 | 86 | 18 | 20.9% | 53 | 61.6% |
| 2005 | 91 | 25 | 27.5% | 63 | 69.2% |
| 2006 | 84 | 17 | 20.2% | 48 | 57.1% |
| 2007 | 79 | 17 | 21.5% | 49 | 62.0% |
| 2008 | 86 | 18 | 20.9% | 47 | 54.7% |
| 2009 | 97 | 18 | 18.6% | 61 | 62.9% |
| 2010 | 116 | 29 | 25.0% | 73 | 62.9% |
| 2011 | 112 | 27 | 24.1% | 70 | 62.5% |

a/ All values in this table are based on preliminary information available at the start of each year's review and are not updated in subsequent years.

b/ The fishery was closed north of Cape Falcon; however, Chinook were caught off Oregon and landed in Puget Sound. Values omitted to preserve confidentiality

TABLE D-15. Preliminary 2011 California, Oregon, and Washington troll fleet by home state and salmon landings and exvessel value.^{a/}

| Home State | Number of Vessels | Percent | Landings (Pounds) | Percent | Total Value (Dollars) | Percent |
|-------------------|-------------------|---------|-------------------|---------|-----------------------|---------|
| CALIFORNIA | | | | | | |
| California | 443 | 96% | 921,390 | 93% | 4,825,930 | 94% |
| Oregon | 11 | 2% | 47,567 | 5% | 207,266 | 4% |
| Washington | 3 | 1% | 10,826 | 1% | 42,519 | 1% |
| Unknown/Other | 5 | 1% | 8,711 | 1% | 37,530 | 1% |
| TOTAL | 462 | | 988,494 | | 5,113,245 | |
| OREGON | | | | | | |
| Oregon | 254 | 84% | 336,522 | 84% | N/A | N/A |
| California | 17 | 6% | 21,120 | 5% | N/A | N/A |
| Washington | 28 | 9% | 42,625 | 11% | N/A | N/A |
| Unknown/Other | 3 | 1% | 2,616 | 1% | N/A | N/A |
| TOTAL | 302 | | 402,883 | | | |
| WASHINGTON | | | | | | |
| Washington | 102 | 91% | 313,469 | 92% | 1,533,790 | 91% |
| Oregon | 9 | 8% | 26,375 | 8% | 152,825 | 9% |
| California | 0 | 0% | 0 | 0% | 0 | 0% |
| Unknown/Other | 1 | 1% | 508 | 0% | 1,703 | 0% |
| TOTAL | 112 | | 340,352 | | 1,688,318 | |

a/ Pinks excluded, except Oregon.

TABLE D-16. Vessels landing salmon in California by vessel length and skipper's state of residence.

| Year | Home State ^{a/} | | | | | | | | | | | | | | | |
|---------------------|--------------------------|-------|-------|----------|-----------------|-------|-----|----------|---------------------|-------|-----|----------|------------------------------|-------|-------|---------------------------|
| | California (length) | | | | Oregon (length) | | | | Washington (length) | | | | Total (length) ^{b/} | | | Grand Total ^{c/} |
| | <26 | 26-36 | >36 | Subtotal | <26 | 26-36 | >36 | Subtotal | <26 | 26-36 | >36 | Subtotal | <26 | 26-36 | >36 | |
| 1978 | 2,325 | 1,165 | 1,006 | 4,496 | 97 | 176 | 262 | 535 | 5 | 16 | 85 | 106 | 2,462 | 1,365 | 1,378 | 4,919 |
| 1979 | 2,243 | 1,152 | 980 | 4,375 | 68 | 158 | 210 | 436 | 3 | 20 | 59 | 82 | 2,338 | 1,338 | 1,266 | 4,594 |
| 1980 | 2,069 | 1,248 | 1,138 | 4,455 | 97 | 163 | 228 | 488 | 6 | 25 | 90 | 121 | 2,189 | 1,447 | 1,478 | 4,738 |
| 81-85 ^{d/} | 1,209 | 906 | 744 | 2,860 | 39 | 79 | 135 | 253 | 2 | 11 | 43 | 56 | 1,277 | 1,024 | 939 | 3,243 |
| 86-90 | 828 | 757 | 635 | 2,220 | 12 | 44 | 86 | 143 | 2 | 6 | 32 | 39 | 856 | 814 | 760 | 2,449 |
| 91-95 | 420 | 415 | 346 | 1,180 | 3 | 19 | 30 | 52 | 0 | 3 | 7 | 11 | 424 | 438 | 384 | 1,259 |
| 96-00 | 210 | 264 | 252 | 726 | 1 | 7 | 23 | 31 | 1 | 2 | 8 | 11 | 214 | 277 | 286 | 783 |
| 2001 | 142 | 221 | 286 | 649 | 0 | 4 | 23 | 27 | 1 | 3 | 7 | 11 | 1443 | 229 | 317 | 689 |
| 2002 | 153 | 229 | 285 | 667 | 1 | 3 | 28 | 32 | 2 | 0 | 4 | 6 | 157 | 233 | 318 | 708 |
| 2003 | 126 | 201 | 230 | 557 | 0 | 2 | 16 | 18 | 0 | 0 | 5 | 5 | 126 | 205 | 253 | 584 |
| 2004 | 155 | 250 | 288 | 693 | 1 | 3 | 28 | 32 | 0 | 2 | 11 | 13 | 157 | 256 | 328 | 741 |
| 2005 | 139 | 233 | 271 | 643 | 1 | 2 | 25 | 28 | 0 | 2 | 3 | 5 | 141 | 239 | 300 | 680 |
| 2006 | 103 | 181 | 180 | 464 | 0 | 1 | 5 | 6 | 0 | 1 | 1 | 2 | 104 | 185 | 188 | 477 |
| 2007 | 112 | 200 | 255 | 567 | 1 | 3 | 22 | 26 | 0 | 1 | 1 | 2 | 115 | 206 | 280 | 601 |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | 55 | 74 | 81 | 210 | 0 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 55 | 77 | 83 | 215 |
| 2011 ^{e/} | 109 | 165 | 169 | 443 | 0 | 2 | 9 | 11 | 1 | 0 | 2 | 3 | 112 | 169 | 181 | 462 |

a/ "Home state" refers to the declared state of residence of vessel skipper, who, in most cases, is also the vessel owner.

b/ Includes vessels with home states other than California, Oregon, and Washington.

c/ Includes vessels of unknown lengths.

d/ Length category for 1982 is >36.

e/ Preliminary.

TABLE D-17. Percentages of vessels landing troll salmon in Oregon by license holder's state of residence.

| Year | Oregon | California | Washington | Other/Unknown |
|--------------------|--------|------------|------------|---------------|
| 1977 | 83.8% | 6.9% | 8.7% | 0.6% |
| 1978 | 83.6% | 5.9% | 10.0% | 0.5% |
| 1979 | 82.5% | 6.5% | 10.3% | 0.7% |
| 1980 | 80.4% | 8.5% | 9.6% | 1.5% |
| 1981 | 81.2% | 7.4% | 9.9% | 1.6% |
| 1982 | 82.1% | 6.3% | 10.2% | 1.4% |
| 1983 | 85.0% | 3.9% | 10.1% | 1.0% |
| 1984 | 85.2% | 2.9% | 11.0% | 0.9% |
| 1985 | 86.9% | 4.0% | 8.0% | 1.1% |
| 1986 | 84.5% | 5.2% | 9.1% | 1.2% |
| 1987 | 81.7% | 6.8% | 10.2% | 1.2% |
| 1988 | 78.7% | 6.4% | 13.5% | 1.3% |
| 1989 | 80.0% | 5.6% | 12.9% | 1.4% |
| 1990 | 81.1% | 6.7% | 10.7% | 1.5% |
| 1991 | 83.8% | 2.5% | 12.1% | 1.6% |
| 1992 | 83.4% | 3.4% | 12.5% | 0.8% |
| 1993 | 85.8% | 2.5% | 11.1% | 0.6% |
| 1994 | 86.5% | 1.1% | 12.1% | 0.3% |
| 1995 | 85.5% | 2.7% | 10.7% | 1.1% |
| 1996 | 83.5% | 2.0% | 13.8% | 0.7% |
| 1997 | 85.0% | 1.2% | 12.5% | 1.4% |
| 1998 | 82.3% | 0.8% | 16.6% | 0.3% |
| 1999 | 87.2% | 0.9% | 11.6% | 0.3% |
| 2000 | 84.4% | 1.8% | 13.3% | 0.5% |
| 2001 | 81.1% | 4.0% | 14.3% | 0.6% |
| 2002 | 79.7% | 3.9% | 15.6% | 9.8% |
| 2003 | 79.2% | 3.7% | 15.9% | 1.2% |
| 2004 | 72.3% | 10.3% | 15.8% | 1.7% |
| 2005 | 73.3% | 10.8% | 14.2% | 1.8% |
| 2006 | 81.0% | 4.8% | 13.4% | 0.8% |
| 2007 | 78.0% | 10.3% | 11.2% | 0.5% |
| 2008 | 83.6% | 2.1% | 13.6% | 0.7% |
| 2009 | 90.2% | 1.3% | 7.6% | 0.9% |
| 2010 | 80.3% | 9.7% | 9.2% | 0.8% |
| 2011 ^{a/} | 84.1% | 5.6% | 9.3% | 1.0% |

a/ Preliminary.

TABLE D-18. Percentages of vessels landing non-Indian troll salmon in Washington by license holder's state of residence.^{a/}

| Year | Washington | Oregon | California | Alaska | Other/Unknown |
|--------------------|------------|--------|------------|--------|---------------|
| 1978 | 90.8% | 4.6% | 0.3% | 0.2% | 4.1% |
| 1979 | 90.9% | 3.8% | 0.3% | 0.3% | 4.7% |
| 1980 | 93.7% | 3.6% | 0.3% | 0.3% | 2.1% |
| 1981 | 92.6% | 3.0% | 0.4% | 0.2% | 3.8% |
| 1982 | 92.6% | 4.1% | 0.6% | 0.0% | 2.8% |
| 1983 | 92.7% | 2.8% | 0.2% | 0.1% | 4.2% |
| 1984 | 94.8% | 1.6% | 0.0% | 0.0% | 3.7% |
| 1985 | 92.7% | 3.3% | 0.2% | 0.2% | 3.6% |
| 1986 | 93.1% | 1.7% | 0.0% | 0.1% | 5.1% |
| 1987 | 90.4% | 1.3% | 0.0% | 0.3% | 8.0% |
| 1988 | 88.0% | 1.8% | 0.2% | 1.5% | 8.5% |
| 1989 | 92.2% | 0.9% | 0.0% | 1.0% | 5.9% |
| 1990 | 92.7% | 0.7% | 0.0% | 0.1% | 6.5% |
| 1991 | 85.8% | 0.7% | 0.0% | 0.0% | 13.5% |
| 1992 | 92.7% | 2.0% | 0.7% | 0.3% | 4.3% |
| 1993 | 93.3% | 0.8% | 0.8% | 0.0% | 5.1% |
| 1994 ^{b/} | 100.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 1995 | 95.8% | 0.0% | 0.0% | 0.0% | 4.2% |
| 1996 | 93.3% | 0.0% | 0.0% | 0.0% | 6.7% |
| 1997 | 96.1% | 0.0% | 0.0% | 0.0% | 3.9% |
| 1998 | 95.7% | 0.0% | 0.0% | 0.0% | 4.3% |
| 1999 | 94.7% | 0.0% | 0.0% | 0.0% | 5.3% |
| 2000 | 91.8% | 0.0% | 0.0% | 0.0% | 8.2% |
| 2001 | 100.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 2002 | 96.1% | 0.0% | 0.0% | 0.0% | 3.9% |
| 2003 | 100.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 2004 | 96.5% | 1.2% | 0.0% | 0.0% | 2.3% |
| 2005 | 95.6% | 3.3% | 0.0% | 0.0% | 1.1% |
| 2006 | 98.8% | 1.2% | 0.0% | 0.0% | 0.0% |
| 2007 | 93.7% | 6.3% | 0.0% | 0.0% | 0.0% |
| 2008 | 95.3% | 3.5% | 0.0% | 1.2% | 0.0% |
| 2009 | 94.8% | 4.1% | 1.0% | 0.0% | 0.0% |
| 2010 | 91.4% | 5.2% | 0.0% | 0.0% | 3.4% |
| 2011 | 91.1% | 8.0% | 0.0% | 0.0% | 0.9% |

a/ All values in this table are based on preliminary information available at the start of each year's review.

b/ The fishery was closed north of Cape Falcon; however, Chinook were caught off Oregon and landed in Washington.

TABLE D-19. Number of California charter boats participating in the ocean recreational salmon fishery, by port area and activity level.

| Year | Activity Level ^{a/} | Port Area | | | | | | Total |
|--------------------|------------------------------|-----------|---------------|------------|--------|---------------|-----------------------|-------|
| | | Monterey | San Francisco | Fort Bragg | Eureka | Crescent City | Unknown ^{b/} | |
| 2011 ^{c/} | Active | 9 | 35 | 8 | 7 | 0 | - | 59 |
| | Casual | 8 | 23 | 1 | 3 | 0 | - | 35 |
| | TOTAL | 17 | 58 | 9 | 10 | 0 | - | 94 |
| 2010 | Active | 7 | 13 | 1 | 0 | 0 | - | 21 |
| | Casual | 12 | 38 | 7 | 7 | 0 | - | 64 |
| | TOTAL | 19 | 51 | 8 | 7 | 0 | - | 85 |
| 2009 | Active | - | - | - | 0 | 0 | - | 0 |
| | Casual | - | - | - | 14 | 0 | - | 14 |
| | TOTAL | - | - | - | 14 | 0 | - | 14 |
| 2008 | Active | - | - | 0 | - | - | - | 0 |
| | Casual | - | - | 3 | - | - | - | 3 |
| | TOTAL | - | - | 3 | - | - | - | 3 |
| 2007 | Active | 2 | 24 | 6 | 7 | 0 | 0 | 39 |
| | Casual | 21 | 25 | 6 | 4 | 0 | 0 | 56 |
| | TOTAL | 23 | 49 | 12 | 11 | 0 | 0 | 95 |
| 2006 | Active | 9 | 41 | 10 | 5 | 0 | 0 | 65 |
| | Casual | 15 | 17 | 1 | 4 | 0 | 0 | 37 |
| | TOTAL | 24 | 58 | 11 | 9 | 0 | 0 | 102 |
| 2005 | Active | 16 | 46 | 10 | 5 | 0 | 0 | 77 |
| | Casual | 9 | 17 | 1 | 3 | 0 | 0 | 30 |
| | TOTAL | 25 | 63 | 11 | 8 | 0 | 0 | 107 |
| 2004 | Active | 16 | 48 | 11 | 8 | 0 | 0 | 83 |
| | Casual | 7 | 12 | 1 | 1 | 1 | 0 | 22 |
| | TOTAL | 23 | 60 | 12 | 9 | 1 | 0 | 105 |
| 2003 | Active | 10 | 43 | 11 | 3 | 0 | 0 | 67 |
| | Casual | 14 | 10 | 2 | 4 | 0 | 0 | 30 |
| | TOTAL | 24 | 53 | 13 | 7 | 0 | 0 | 97 |
| 2002 | Active | 17 | 50 | 13 | 5 | 0 | 0 | 85 |
| | Casual | 23 | 6 | 4 | 2 | 0 | 0 | 35 |
| | TOTAL | 40 | 56 | 17 | 7 | 0 | 0 | 120 |
| 2001 | Active | 17 | 40 | 10 | 4 | 0 | 0 | 71 |
| | Casual | 6 | 21 | 2 | 1 | 1 | 0 | 31 |
| | TOTAL | 23 | 61 | 12 | 5 | 1 | 0 | 102 |
| 2000 | Active | 23 | 46 | 9 | 2 | 0 | 0 | 80 |
| | Casual | 2 | 15 | 0 | 2 | 1 | 0 | 20 |
| | TOTAL | 25 | 61 | 9 | 4 | 1 | 0 | 100 |
| 1999 | Active | 7 | 43 | 2 | 1 | 0 | 0 | 53 |
| | Casual | 14 | 28 | 11 | 3 | 0 | 0 | 56 |
| | TOTAL | 21 | 71 | 13 | 4 | 0 | 0 | 109 |
| 1998 | Active | 41 | 19 | 6 | 1 | 0 | 0 | 67 |
| | Casual | 16 | 38 | 2 | 3 | 0 | 0 | 59 |
| | TOTAL | 57 | 57 | 8 | 4 | 0 | 0 | 126 |

a/ Active vessels landed more than 100 salmon; casual vessels landed 100 salmon or less.

b/ Unknown vessels did not report port of landing or landed in two or more port areas during the season.

c/ Preliminary.

TABLE D-20. Number of charter boats licensed in Oregon.

| Year | Total Number of Licensed Charter Boats ^{a/} | Oregon Resident License Holders | Washington Resident License Holders | Other State Resident License Holders |
|--------------------|--|---------------------------------|-------------------------------------|--------------------------------------|
| 1980 | 194 | 192 | 2 | 0 |
| 1981 | 248 | 213 | 34 | 1 |
| 1982 | 253 | 212 | 40 | 1 |
| 1983 | 255 | 206 | 47 | 2 |
| 1984 | 218 | 185 | 31 | 2 |
| 1985 | 226 | 198 | 25 | 3 |
| 1986 | 247 | 216 | 26 | 5 |
| 1987 | 254 | 226 | 23 | 5 |
| 1988 | 313 | 266 | 42 | 5 |
| 1989 | 322 | 273 | 44 | 5 |
| 1990 ^{b/} | 170 | 157 | 9 | 4 |
| 1991 | 171 | 161 | 7 | 3 |
| 1992 | 157 | 150 | 4 | 3 |
| 1993 | 148 | 144 | 2 | 2 |
| 1994 | 145 | 137 | 6 | 2 |
| 1995 | 134 | N/A | N/A | N/A |
| 1996 | 127 | 121 | 6 | 0 |
| 1997 | 122 | 119 | 3 | 0 |
| 1998 | 129 | 125 | 4 | 0 |
| 1999 | 137 | 133 | 4 | 0 |
| 2000 | 143 | 139 | 4 | 0 |
| 2001 | 172 | 162 | 10 | 0 |
| 2002 | 181 | 172 | 9 | 0 |
| 2003 | 206 | 186 | 19 | 1 |
| 2004 | 203 | 184 | 18 | 1 |
| 2005 | 225 | 205 | 19 | 1 |
| 2006 | 228 | 203 | 24 | 1 |
| 2007 | 228 | 198 | 26 | 4 |
| 2008 | 237 | 192 | 41 | 4 |
| 2009 | 249 | 200 | 46 | 3 |
| 2010 | 238 | 196 | 39 | 3 |
| 2011 | 260 | 209 | 46 | 5 |

a/ Legislation that created the license requirement expired in 1987. Annual license fees were between \$25 and \$100 from 1980-1987. The license requirement was reinstated by rule in 1988 and 1989 with a \$10 fee.

b/ In 1990, responsibility for licensing of charter vessels was transferred to the Marine Board and fees for Oregon residents were increased from \$10 to between \$50 and \$100.

TABLE D-21. Number of salmon charter boats licensed in Washington (including Puget Sound).

| Year | Number of Licenses Issued | Washington Resident | Other State Resident | Buyback |
|--------------------|---------------------------|---------------------|----------------------|---------|
| | | License Holders | License Holders | |
| 1975 | 404 | 351 | 53 | - |
| 1976 | 427 | 362 | 65 | - |
| 1977 ^{a/} | 569 | NA | NA | - |
| 1978 | 535 | 483 | 52 | - |
| 1979 | 516 | 473 | 43 | - |
| 1980 | 510 | 465 | 45 | 16 |
| 1981 | 478 | 443 | 35 | 3 |
| 1982 | 415 | 387 | 28 | 25 |
| 1983 | 375 | 354 | 21 | 19 |
| 1984 | 334 | 313 | 21 | 21 |
| 1985 | 288 | 268 | 20 | 19 |
| 1986 | 308 | 286 | 22 | 15 |
| 1987 | 280 | 269 | 11 | - |
| 1988 | 281 | 268 | 13 | - |
| 1989 | 276 | 263 | 13 | - |
| 1990 | 273 | 258 | 15 | - |
| 1991 | 267 | 251 | 16 | - |
| 1992 | 269 | 252 | 17 | - |
| 1993 | 265 | 250 | 15 | - |
| 1994 | 260 | 245 | 15 | - |
| 1995 | 231 | 217 | 14 | 23 |
| 1996 | 210 | 199 | 9 | 18 |
| 1997 | 210 | 197 | 13 | 0 |
| 1998 | 198 | 188 | 10 | 20 |
| 1999 | 180 | 172 | 8 | 0 |
| 2000 | 143 | 139 | 4 | 37 |
| 2001 | 142 | 137 | 5 | 0 |
| 2002 | 138 | 134 | 4 | 0 |
| 2003 | 140 | 137 | 3 | 0 |
| 2004 | 143 | 140 | 3 | 0 |
| 2005 | 142 | 136 | 6 | 0 |
| 2006 | 142 | 138 | 4 | 0 |
| 2007 | 142 | 138 | 4 | 0 |
| 2008 | 142 | 138 | 4 | 0 |
| 2009 | 141 | 137 | 4 | 0 |
| 2010 | 141 | 137 | 4 | 0 |
| 2011 ^{b/} | 141 | 135 | 6 | 0 |

a/ First year moratorium in effect.

b/ Preliminary.

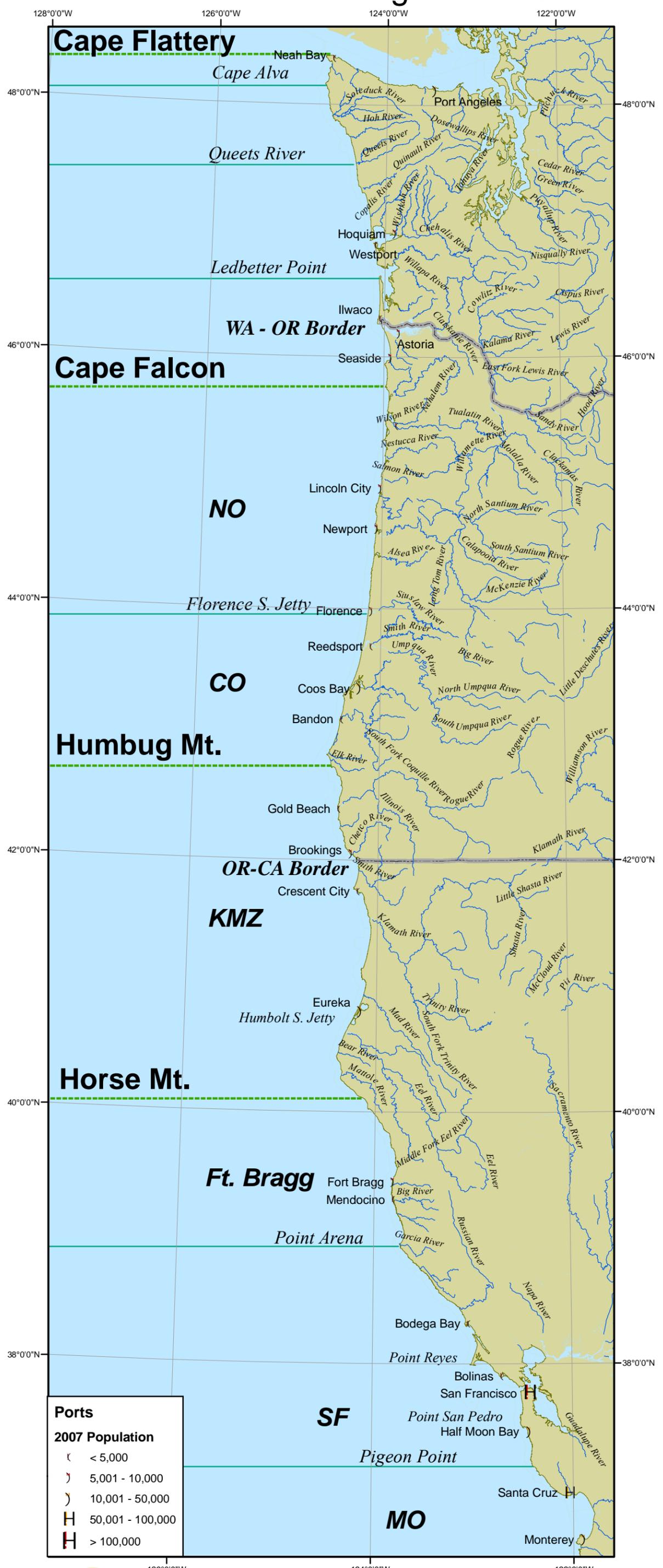
TABLE D-22. Price index.^{a/}

| Year | Price Index |
|--------------------|-------------|
| 1960 | 16.4 |
| 1961 | 16.6 |
| 1962 | 16.8 |
| 1963 | 17.0 |
| 1964 | 17.2 |
| 1965 | 17.6 |
| 1966 | 18.1 |
| 1967 | 18.6 |
| 1968 | 19.4 |
| 1969 | 20.4 |
| 1970 | 21.4 |
| 1971 | 22.5 |
| 1972 | 23.5 |
| 1973 | 24.8 |
| 1974 | 27.0 |
| 1975 | 29.6 |
| 1976 | 31.3 |
| 1977 | 33.3 |
| 1978 | 35.6 |
| 1979 | 38.6 |
| 1980 | 42.1 |
| 1981 | 46.0 |
| 1982 | 48.8 |
| 1983 | 50.8 |
| 1984 | 52.7 |
| 1985 | 54.3 |
| 1986 | 55.5 |
| 1987 | 57.1 |
| 1988 | 59.0 |
| 1989 | 61.3 |
| 1990 | 63.6 |
| 1991 | 65.9 |
| 1992 | 67.4 |
| 1993 | 68.9 |
| 1994 | 70.4 |
| 1995 | 71.9 |
| 1996 | 73.2 |
| 1997 | 74.5 |
| 1998 | 75.4 |
| 1999 | 76.5 |
| 2000 | 78.1 |
| 2001 | 79.9 |
| 2002 | 81.2 |
| 2003 | 82.9 |
| 2004 | 85.3 |
| 2005 | 88.1 |
| 2006 | 91.0 |
| 2007 | 93.6 |
| 2008 | 95.7 |
| 2009 | 96.7 |
| 2010 | 97.8 |
| 2011 ^{b/} | 100.0 |

a/ Based on gross domestic product implicit price deflator.

b/ Preliminary estimate of annual change based on the second and third quarters of the year.

Marine Fisheries Management Zones



Andrew Weiss
 Fish Program
 Biological Data Systems
 Feb. 2009