# REVIEW OF 2014
# 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**

**FEBRUARY 2015**

# 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. BRETT KORMOS**
California Department of Fish and Wildlife, Santa Rosa, California

**MR. LARRIE LAVOY**
National Marine Fisheries Service, Seattle, Washington

**MR. DOUG MILWARD**
Washington Department of Fish and Wildlife, Olympia, Washington

**MR. HENRY YUEN**
U.S. Fish and Wildlife Service, Vancouver, Washington

**MS. SANDY ZEINER**
Northwest Indian Fisheries Commission (Alternate), Olympia, Washington

## PACIFIC FISHERY MANAGEMENT COUNCIL STAFF

**MR. MIKE BURNER**
**MR. JAMES SEGER**
**MS. RENEE DORVAL**
**MS. KIM AMBERT**
**MR. KRIS KLEINSCHMIDT**

The Salmon Technical Team and the Council staff express their thanks for the expert assistance provided by Ms. Wendy Beeghley, Mr. Pete Mc Hugh, and Mr. Jeff Haymes, Washington Department of Fish and Wildlife; Mr. Aaron Jenkins and Mr. Eric Schindler, Oregon Department of Fish and Wildlife; Mr. Alex Letvin, Ms. Melodie Palmer-Zwahlen, and Jennifer Simon, California Department of Fish and Wildlife; Mr. Ed Waters, economist on contract with Pacific Fishery Management Council, and numerous other agency and tribal personnel in completing this report.

This document may be cited in the following manner:
Pacific Fishery Management Council. 2015. *Review of 2014 Ocean Salmon Fisheries: Stock Assessment and Fishery Evaluation Document for the Pacific Coast Salmon Fishery Management Plan.* (Document prepared for the Council and its advisory entities.) Pacific Fishery Management Council, 7700 NE Ambassador Place, Suite 101, Portland, Oregon 97220-1384.

A report of the Pacific Fishery Management Council pursuant to National Oceanic and Atmospheric Administration Award Number FNA10NMF4410014.

# TABLE OF CONTENTS

# TABLE OF CONTENTS (continued)

## TABLE OF CONTENTS (continued)

# LIST OF TABLES

# LIST OF TABLES(continued)

# LIST OF FIGURES

# 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) |
| CDFW | California Department of Fish and Wildlife |
| 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 |
| $F_{MSY}$ | maximum sustainable yield 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) |
| $S_{ACL}$ | annual catch limit spawner abundance |
| 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 |
| SRW | Snake River Wild |
| SRWC | Sacramento River winter Chinook |

# LIST OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

| | |
|---|---|
| STEP | Salmon Trout Enhancement Program |
| STT | Salmon Technical Team (formerly the Salmon Plan Development Team) |
| SUS | Southern United States |
| 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 2014 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 2015 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 2015 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 2015 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 also adopted status determination criteria (SDC) for overfishing, approaching an overfished condition, 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 ($F_{MSY}$);
- Approaching an overfished condition occurs when the geometric mean of the two most recent postseason estimates of spawning escapement, and the current preseason forecast of spawning escapement, is less than the minimum stock size threshold (MSST);
- 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 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. 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.

Status determinations for overfishing, overfished, not overfished/rebuilding, and rebuilt are reported in this SAFE document; however, because approaching an overfished condition relies on a preseason forecast, that status determination is reported in Preseason Report I. In addition, some status determinations may be updated in Preseason Report I if more recent spawning escapement or exploitation rate estimates become available between the time this SAFE document and Preseason Report I are published.

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 2014 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.

Page Intentionally Left Blank

# 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 2014 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 2014 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 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 2014 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 FMP-defined control rules for Sacramento River fall Chinook (SRFC), Klamath River fall Chinook (KRFC), and by NMFS ESA consultation standards for

Sacramento River winter Chinook (SRWC), California Coastal Chinook, Oregon Coast Natural (OCN) coho, and Southern Oregon/Northern California Coast (SONCC) coho. The Council structured 2014 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 SRWC ESA consultation standard requiring:
    a. A 2014 maximum forecast age-3 impact rate for the area south of Point Arena of 15.4 percent.
    b. 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.
    c. 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. A 2014 Klamath basin natural area spawning escapement of no less than 40,700 fall Chinook adults which is produced, in expectation, by a spawner reduction rate of 47.1 percent, along with the allocation objective of 50 percent of the allowable adult harvest for federally-recognized tribal subsistence and commercial fisheries.

4. A 2014 SRFC spawner escapement of no less than 190,400 hatchery and natural area adults, which is produced, in expectation, by a total exploitation rate of 70.0 percent.

5. The OCN coho allowable exploitation rate (marine and freshwater combined) of no greater than 30.0 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 Rogue/Klamath (RK) hatchery coho.

Objectives 1, 2, and 3 were the constraining factors for 2014 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 40,700 natural area adults, a SRWC age-3 impact rate of 15.4 percent for the area south of Point Arena, and an SRFC spawner escapement of 314,700 hatchery and natural area adults.

### *Coho Fisheries*

Coho fishery management for 2014 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 Lower Columbia Natural (LCN), OCN and RK coho were 0.0, 1.3, and 2.9 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 2014 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 FMP-defined control rules for SRFC, KRFC, and by NMFS ESA consultation standards for California Coastal Chinook, LCN coho, OCN coho, and SONCC coho. The Council structured 2014 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 2014 Klamath basin natural area spawning escapement of no less than 40,700 fall Chinook adults, which is produced, in expectation, by a spawner reduction rate of 47.1 percent, along with the allocation objective of 50 percent of the allowable adult harvest for federally-recognized tribal subsistence and commercial fisheries.

3. A 2014 SRFC spawner escapement of no less than 190,400 hatchery and natural area adults which is produced, in expectation, by a total exploitation rate of 70.0 percent.

4. The LCN coho ESA consultation standard requirement of no greater than a 22.5 percent exploitation rate (marine and mainstem Columbia River combined).

5. The OCN coho allowable exploitation rate (marine and freshwater combined) of no greater than 30.0 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.

Objectives 1 and 2 were the constraining factors for 2014 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 40,700 natural area adults, and a SRFC spawner escapement of 314,700 hatchery and natural area 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, 0.8 percent and 3.1 percent, respectively. Coho are managed as a unit south of Cape Falcon, and details of the Council's management objectives shaping the 2014 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 FMP-defined control rules for SRFC, KRFC, and by NMFS ESA consultation standards for California Coastal Chinook, Lower Columbia River (LCR) natural tule Chinook, Snake River wild (SRW) Chinook, LCN coho, OCN coho, and SONCC coho. The

Council structured 2014 Chinook salmon fisheries in this area 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 2014 Klamath basin natural area spawning escapement of no less than 40,700 fall Chinook adults, which is produced, in expectation, by a spawner reduction rate of 47.1 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 41.0 percent in marine and freshwater fisheries combined.

4. A 2014 SRFC spawner escapement of no less than 190,400 hatchery and natural area adults which is produced, in expectation, by a total exploitation rate of 70.0 percent.

5. The LCN coho ESA consultation standard requirement of no greater than a 22.5 percent exploitation rate (marine and mainstem Columbia River combined).

6. The OCN coho allowable exploitation rate (marine and freshwater combined) of no greater than 30.0 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 on 2014 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 40,700 natural area adults, a 41.0 percent total exploitation rate on LCR natural tules, and a SRFC spawner escapement of 314,700 hatchery and natural area 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 2014 coho salmon fisheries in this area to meet the following objectives:

1. The LCN coho ESA consultation standard requirement of no greater than a 22.5 percent exploitation rate (marine and mainstem Columbia River combined).

2. The OCN coho allowable exploitation rate (marine and freshwater combined) of no greater than 30.0 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 RK hatchery coho.

Objective 1 above was the most constraining factor on 2014 coho fisheries management in this area. The Council adopted seasons in this area with projected impacts of 4.0 percent, 11.8 percent, and 0.8 percent on LCN natural coho, OCN coho, and RK coho, respectively. In all relevant fisheries, projected exploitation rates were 22.5 percent, 25.3 percent, and 6.9 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 in-river fisheries while meeting natural stock escapement objectives and hatchery fall Chinook brood stock 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 41.0 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 2014 ocean fisheries in this area. Under the adopted regulations (Tables I-1, I-2, and I-3), fisheries were projected to have a 41.0 percent total AEQ exploitation rate on LCR natural tules (17.9 percent in Council-area fisheries), and a 47.8 percent of the 1988 to 1993 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 in-river 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 22.5 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 30.0 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 2014 ocean fisheries in this area. The adopted regulations (Tables I-1, I-2, and I-3) were projected to have a 22.5 percent total exploitation rate on LCN coho (14.4 percent in Council-area fisheries), an exploitation rate in southern U.S. fisheries of 10.0 percent on Interior Fraser (Thompson River) coho (5.2 percent in Council-area fisheries), and a total exploitation rate of 25.3 percent on OCN coho (15.9 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 south of Humbug Mountain, Oregon were based on expansion of dockside sampling data.

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. Areas 3 and 4 were open May 16-17, May 23-24, and May 31-June 13, Area 2 was open May 31-June 13, and the Columbia River Area was open May 31-June 13. Preseason and postseason 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, voluntary trip reports, and dockside interviews. The observed mark rates were lower than predicted preseason in areas 3 and 4, and higher than expected in Area 2 and in the Columbia River Ocean Area.. The Columbia River Ocean Area was about equal to the preseason prediction. Observed non-retention mortality was less than expected, but the quota was not reached.

In 2014, 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). 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 18-26, 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 14 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 lower than predicted preseason. Observed non-retention mortality was less than anticipated, and the catch was less than expected for Chinook (Table I-8).
Mark-selective Chinook fisheries were also held in Puget Sound Area 9 from July 16 through August 15, in Area 10 from July 16 through August 7, 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 6 from December 1, 2014 through April 10, 2015 and Area 7 from December 1, 2014 through April 30, 2015. Winter mark-selective Chinook fisheries were held in Areas 8-1 and 8-2 November 1, 2014 through April 30, 2015. Area 9 had mark-selective Chinook opportunity November 1-30, 2014 and January 16 through April 15, 2015. Area 10 had mark-selective Chinook fisheries from October 1, 2014 through January 31, 2015. Areas 11 and 12 had mark-selective Chinook opportunity from February 1 through April 30, 2015.

### Selective Coho Fisheries

Recreational fisheries selective for marked coho were planned for the area between Cape Falcon and the OR/CA border, the four ocean subareas north of Cape Falcon, 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. Preseason and postseason 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, voluntary trip reports, and dockside interviews. The observed mark rates both north and south of Cape Falcon were very similar to what was predicted preseason. Observed non-retention mortality was less than expected in all fisheries.

## *PACIFIC SALMON COMMISSION*

The PSC was established to implement the 1985 Pacific Salmon Treaty (PST) between the U.S. 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 catches result from in-season management of fisheries for compliance with aggregate abundance-based management (AABM; see below) under the PST. They do include incidental mortality associated with 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 took effect January 1, 2009. The 2009 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. However, relative to meeting the provisions of the PST, the ISBM indices are evaluated on a post-season basis only.

In 2014, AABM fisheries were conducted in accordance with the obligations set forth in the 2009 PST agreement. SEAK fisheries were constrained by an all-gear catch ceiling of 439,400 "treaty" Chinook in 2014, a 250 percent increase from the ceiling of 176,000 in 2013, and 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 landed 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 2014 total catch of Chinook by SEAK fisheries was 485,400 while the catch of "treaty" Chinook was 432,300 (Table I-10). The catch ceiling for the Northern B.C. AABM fisheries (Northern B.C. troll plus Queen Charlotte Islands recreational) in 2014 was 290,300, compared to a ceiling in 2013 of 143,400 Chinook. The actual catch was estimated at 221,001 (172,001 troll plus 49,000 recreational). The Northern B.C. troll fishery in 2014 was conducted under a system of individual transferable quotas that was fully implemented beginning in 2008.

In addition to the overall catch ceiling determined by the PST, Canada's principal management objectives for the 2014 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 2014 by WCVI AABM fisheries under the 2009 PST Agreement was 205,400 Chinook compared to the allowable catch of 115,300 in 2013. The reported catch was 179,197 (110,005 troll, 20,827 First Nations, and 48,365 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 2014 (October 2013 through September 2014) troll fisheries were open for retention of Chinook in October through May and September (Table I-12). 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 48,365 fish, a decline of about 22 percent from the 2013 catch.

Catch estimates for all Canadian ISBM fisheries in Northern B.C. were incomplete; the reported Chinook catch in 2014 was approximately 2,600 by commercial gillnets. Approximately 8,550 Chinook were caught by anglers from lodges in Rivers Inlet, Hakai Pass, and Bella Bella and by private anglers on the mainland coast. Tidal area recreational catch estimates near the mainland coast of Northern B.C. in 2014 were not available except for creel estimates for Area 3 and 4 where the catch was estimated to be about 12,127 Chinook. Catches by First Nations were approximately 11,826 Chinook for the North Coast, 2,300 for Haida Gwaii (Queen Charlotte Island) and 600 for the Central Coast.

Southern B.C. ISBM fisheries in 2014 harvested 182,555 Chinook (104,069 recreational, 50,099 First Nations, and 28,387 commercial).

No direct management measures for Chinook salmon within the Council management area were specified under the 2009 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 U.S. 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 2014 abundance indicated that the status of interior Fraser River coho remained depressed but somewhat improved over the critically low status in recent years. 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 June 2014, Canada revised the management objective for interior Fraser River coho to an exploitation rate ceiling of 16 percent in Canadian fisheries. This was a significant increase from the ceiling rate of 3 percent that has been the ceiling exploitation rate for their domestic fishery planning. Preseason modeling for the 2014 Council fishery assessment assumed that Canadian fisheries would be managed for the 3 percent ceiling exploitation rate. The revised management objective provided additional flexibility in Canadian fisheries that target more abundant stocks and species, such as Fraser River sockeye salmon while limiting impacts on Fraser River coho to incidental catch and bycatch. 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). In 2014 a total of 215,827 coho were retained by commercial fisheries in Northern and Central B.C. and 37,453 coho in Southern B.C. 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 2014 was 88,304. 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 57,460 coho.

TABLE I-1. Summary of actual ocean non-Indian commercial troll salmon fishing regulations for 2014. (Page 1 of 4)

| Area and Season | Salmon Species | Actual Quota Chinook | Actual Quota Coho | Special Restrictions[a/] |
|---|---|---|---|---|
| U.S./Canada border to Cape Falcon, OR | | | | |
| Areas 1 and 2:<br>May 1-20, 23-27, May 30-June 3, June 6-10, 13-17, 20-24, 27-30.<br>(49 days)<br><br>Areas 3 and 4:<br>May 1-8, 10-13, 16-20, 23-27, May 30-June 3, June 6-10, 13-17, 20-24, 27-30.<br>(46 days) | All except coho | 37,900, no more than 12,200 of which may be caught in the area between the U.S./ Canada border and the Queets River. | - | Seven days per week. Chinook minimum size limit of 28 inches total length. (Open periods and landing limits were adjusted throughout the season, see Tables C.3 and C.5 for details) Mandatory Yelloweye Rockfish Conservation Area, Cape Flattery and Columbia Control Zones closed. Vessels must land and deliver their fish within 24 hours of any closure of this fishery and landings were generally restricted to area of catch. Refer to complete 2014 ocean salmon regulations for detailed landing and notification requirements. |
| Areas 1, 2, 3, and 4:<br>July 1-8, 11-15, 18-22, 25-29, Aug. 1-5, 8-12, 15-19, 22-26, Aug. 29-Sept. 2, Sept. 5-9, 12-16 (58 days) | All salmon except no chum retention north of Cape Alava, WA in August and September. | 19,000 no more than 8,750 of which may be caught in the area between the U.S./ Canada border and the Queets River. | 35,200 no more than 5,040 of which may be caught in the area between the U.S./ Canada border and the Queets River. [c/] | July 1–8, then Friday through Tuesday July 11–September 16. Begining September 5, remaining coho quota of 19,489, converted to a non-mark-selective equivalent and 3,000 were transferred to the U.S./Canada border recreational fisher resulting in a non-mark-selective coho quota of 9,900. (Open periods and landing limits were adjusted throughout the season, see Table C.5 for details) Chinook minimum size limit of 28 inches total length. All coho must be marked except as noted above. Mandatory Yelloweye Rockfish Conservation Area, Cape Flattery and Columbia Control Zones, and beginning August 9, Grays Harbor Control Zone Closed. Vessels must land and deliver their fish within 24 hours of any closure of this fishery and landings were generally restricted to area of catch. Refer to complete 2014 ocean salmon regulations for detailed landing and notification requirements. |

TABLE I-1. Summary of actual ocean non-Indian commercial troll salmon fishing regulations for 2014. (Page 2 of 4)

| Area and Season | Salmon Species | Actual Quota Chinook | Actual Quota Coho | Special Restrictions[a/] |
|---|---|---|---|---|
| Cape Falcon to Humbug Mt., OR | | | | |
| Apr. 1-July 31, Aug. 6-29 (146 days) | All except coho | None | - | Seven days per week. All salmon except coho except as listed below for September non-selective coho incidental retention. Chinook minimum size limit of 28 inches total length. All vessels fishing in the area must land their fish in the State of Oregon. See Oregon State regulations for special regulations at the mouth of Tillamook Bay. |
| Sept. 3-30 (28 days) | All salmon | None | 5,300 [d/] | Landing and possession limit of 65 Chinook and one coho for each Chinook landed up to 20 coho per vessel per landing week (Wed.-Tues.). |
| Oct. 1-31 (31 days) | All except coho | None | - | Landing and possession limit of 65 Chinook per vessel per landing week (Wed.-Tues.). |
| Elk River Ocean Terminal Area<br>Inside of a line from Cape Blanco to Black Rock to Best Rock to 42º40'30" N. Lat. 124º29'00" W. Long. to Humbug Mt. | | | | |
| Nov. 1-30 (30 days) | Chinook only | None | - | Chinook 26 inch minimum size limit. Landing and posession limit of 20 Chinook per vessel per day. Landings restricted to Port Orford. |
| Humbug Mt. to OR/CA border | | | | |
| Apr. 1-May 31 (61 days) | All except coho | None | - | Chinook 28 inch minimum size limit. Prior to June 1, all fish caught in this area must be landed and delivered in the State of Oregon. June 15–18 landing and possession limit of 30 Chinook per vessel per day; July and August landing and possession limit of 15 Chinook per vessel per day; September 12-27 landing and possession limit of 20 Chinook per vessel per day. All vessels fishing in this area must land and deliver all fish within this area or Port Orford, within 24 hours of any closure of this fishery, and prior to fishing outside of this area. State regulations require fishers intending to transport and deliver their catch to other locations after first landing in one of these ports notify ODFW prior to transport away from the port of landing.[b/] |
| June 15-18 (4 days) | All except coho | 1,500 | - | |
| July 1-2 (2 days) | All except coho | 574 [e/] | - | |
| Aug. 6-7, 13-15, 20-21, 27-28 (9 days) | All except coho | 580 [f/] | - | |
| Sept. 12-27 (16 days) | All except coho | 500 | - | |
| Chetco River Ocean Terminal Area<br>Twin Rocks (42°05'36" N Lat.) and the Oregon/California border (42°00'00" N Lat.) inside 3 nm | | | | |
| Oct. 12-31 (20 days) | Chinook only | 600 | - | Chinook 28 inch minimum size limit. Landing and possession limit of 20 Chinook per vessel per day. 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 2014. (Page 3 of 4)

| Area and Season | Salmon Species | Actual Quota Chinook | Actual Quota Coho | Special Restrictions[a/] |
|---|---|---|---|---|
| OR/CA border to Humboldt South Jetty | | | | |
| Sept. 12-16, 19-23, 26-30 (15 days) | All except coho | 4,000 | - | Chinook minimum size limit of 27 inches total length. Landing and possession limit of 20 Chinook per vessel per day through Sept. 16, 30 Chinook thereafter.. All fish caught in this area must be landed within the area and within 24 hours of any closure of the fishery and prior to fishing outside the area. See California State regulations for additional closures adjacent to the Smith and Klamath rivers. When the fishery is closed between the OR/CA border and Humbug Mountain and open to the south, vessels with fish on board caught in the open area off California may seek temporary mooring in Brookings, Oregon prior to landing in California only if such vessels first notify the Chetco River Coast Guard Station via VHF channel 22A between the hours of 0500 and 2200 and provide the vessel name, number of fish on board, and estimated time of arrival. Klamath Control Zone closed. |
| Humboldt South Jetty to Horse Mt. | | | | |
| | Closed | - | - | |
| Horse Mt. to Pt. Arena | | | | |
| June 19-30, July 15-Aug. 29, Sept. 1-30 (88 days) | All except coho | None | - | Seven days per week. All salmon except coho. Chinook minimum size limit of 27 inches total length. All fish must be landed in California and offloaded within 24 hours of the August 29 closure. When the CA KMZ fishery is open, all fish caught in the area must be landed south of Horse Mt. During September, all fish must be landed north of Pt. Arena. |

TABLE I-1. Summary of actual ocean non-Indian commercial troll salmon fishing regulations for 2014. (Page 4 of 4)

| Area and Season | Salmon Species | Actual Quota Chinook | Actual Quota Coho | Special Restrictions[a/] |
|---|---|---|---|---|
| Pt. Arena to Pigeon Pt. | | | | |
| May 1-June 30, July 15-Aug. 29, Sept. 1-30 (137 days) | All except coho | None | - | Seven days per week. Chinook minimum size limit of 27 inches total length prior to September 1, 26 inches thereafter. All fish must be landed in California and offloaded within 24 hours of the August 29 closure. During September, all fish must be landed south of Point Arena. |
| Fall Area Target Zone<br>Pt. Reyes to Pt. San Pedro<br>Oct. 1-3, 6-10, 13-15 (11 days) | All except coho | None | - | Chinook minimum size limit 26 inches. All vessels fishing in this area must land and deliver all fish between Point Arena and Pigeon Point. |
| Pigeon Pt. to U.S./Mexico Border | | | | |
| May 1-June 30, July 15-Aug. 13 (91 days) | All except coho | None | - | Seven days per week. Chinook minimum size limit of 27 inches total length. All fish must be landed in California and offloaded within 24 hours of August 29. |

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. May 1, 2014 through December 31, 2014 and April 1-30, 2015, license holders may land or possess no more than one Pacific halibut per each four Chinook, except one Pacific halibut may be possessed or landed without meeting the ratio requirement, and no more than 12 halibut may be possessed or landed per trip, unless modifed by inseason action (reduced to 1 halibut per trip May 30, increased to 3 halibut per trip July 25 and 7 per trip on Aug. 8, reduced to one per trip Aug. 22, and closed to retention on Sept. 11).

b/ Phone or email notification shall include vessel name and number, number of salmon by species, port of landing and location of delivery, and estimated time of delivery.

c/ September 5, remaining coho quota of 19,489, converted to a non-mark-selective equivalent resulting in a non-mark-selective coho quota of 9,900. On September 17, 3,000 were transferred to the recreational fishery in the Columbia River and Westport Ocean Salmon Management Areas

d/ Impact neutral transfer of a portion of the remaining June 21 - August 10 recreational mark-selective coho quota from Cape Falcon to the OR/CA border to the commercial troll salmon fishery in the area from Cape Falcon to Humbug Mountain resulting in a September troll quota in this area of 5,300 non-mark-selective coho.

e/ Increased from 500 by an impact-neutral transfer of remaining June quota of 74 Chinook making the revised July quota 574 Chinook.

f/ Increased from 500 by an impact-neutral transfer of remaining July quota of 80 Chinook making the revised August quota 580 Chinook.

TABLE I-2. Summary of actual treaty Indian commercial ocean and Area 4B troll salmon seasons for 2014.

| | Seasons[a/] | | | Minimum Size Limit (Inches) | | |
|---|---|---|---|---|---|---|
| Tribe and Area | Salmon Species | Dates | Days | Chinook | Coho | Special Restrictions |
| **Quinault** | | | | | | |
| Areas 2-3 | All except coho | May 1-June 30 | 61 | 24 | - | |
| | All | July 1- Sept. 4 | 66 | 24 | 16 | |
| | All | Sept 5-10 | 6 | 24 | 16 | 40 Chinook and 120 coho per vessel per open period landing limit |
| | All | Sept 11-15 | 5 | 24 | 16 | 45 Chinook and 135 coho per vessel per open period landing limit |
| **Hoh** | | | | | | |
| Areas 2-3 | All except coho | May 1-June 30 | 61 | 24 | - | |
| | All | July 1- Sept. 15 | 77 | 24 | 16 | |
| **Quileute** | | | | | | |
| Area 3 | All except coho | May 1-June 30 | 61 | 24 | - | |
| | All | July 1- Sept. 15 | 77 | 24 | 16 | |
| | All | Sept. 16-Oct. 15 | 30 | 24 | 16 | Ceremonial and subsistence only |
| **Makah** | | | | | | |
| Areas 3N, 4, and 4A | All except coho | May 1-June 23 | 54 | 24 | - | |
| | All except coho | June 25-30 | 6 | 24 | - | 75 Chinook per vessel per open period landing limit |
| | All | July 1-31 | 31 | 24 | 16 | |
| | All | Aug. 2-Aug. 9 | 8 | 24 | 16 | 70 Chinook per vessel per open period landing limit |
| | All | Aug. 11-13 | 3 | 24 | 16 | 70 Chniook per vessel per open period landing limit |
| | All | Aug. 15-20 | 6 | 24 | 16 | 100 Chinook and 315 coho per vessel per open period landing limit |
| | All | Aug. 22-27 | 6 | 24 | 16 | 120 Chinook and 360 coho per vessel per open period landing limit |
| | All | Aug. 29-Sept 3 | 7 | 24 | 16 | 120 Chinook and 200 coho per vessel per open period landing limit |
| | All | Sept 5-10 | 6 | 24 | 16 | 35 Chinook and 110 coho per vessel per open period landing limit |
| | All | Sept 11-15 | 5 | 24 | 16 | 45 Chinook and 135 coho per vessel per open period landing limit |
| Area 4B | All except coho | May 1-June 23 | 54 | 24 | - | |
| | All except coho | June 25-30 | 6 | 24 | - | 75 Chinook per vessel per open period landing limit |
| | All | July 1-31 | 31 | 24 | 16 | |
| | All | Aug. 2-Aug. 9 | 8 | 24 | 16 | 70 Chinook per vessel per open period landing limit |
| | All | Aug. 11-13 | 3 | 24 | 16 | 70 Chniook per vessel per open period landing limit |
| | All | Aug. 15-20 | 6 | 24 | 16 | 100 Chinook and 315 coho per vessel per open period landing limit |
| | All | Aug. 22-27 | 6 | 24 | 16 | 120 Chinook and 360 coho per vessel per open period landing limit |
| | All | Aug. 29-Sept 3 | 7 | 24 | 16 | 120 Chinook and 200 coho per vessel per open period landing limit |
| | All | Sept 5-10 | 6 | 24 | 16 | 35 Chinook and 110 coho per vessel per open period landing limit |
| | All | Sept 11-15 | 5 | 24 | 16 | 45 Chinook and 135 coho per vessel per open period landing limit |
| **S'Klallam** | | | | | | |
| Area 4B | All except coho | May 1-June 30 | 61 | 24 | - | |
| | All[c/] | Jan. 1-Apr. 15; Nov. 1-Dec. 31 | 166 | 22[b/] | 16 | |
| | All[c/] | July 1-Sept. 15 | 77 | 24 | 16 | |

a/ The overall quotas for these fisheries during the May 1-Sept. 15 ocean salmon management period were 62,500 Chinook and 57,500 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 preseason to provide 31,250 Chinook for the May 1-June 30 Chinook-directed season and 31,250 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 2014. (Page 1 of 3)

| Area and Season | Salmon Species | Actual Quota Chinook | Actual Quota Coho[a/] | Daily Limit and Special Restrictions[b/] |
|---|---|---|---|---|
| U.S./Canada Border to Cape Falcon, OR | | | | |
| U.S./Canada Border to Queets R. WA (Neah Bay and La Push subareas) | | | | |
| May 16-17, 23-24, May 31-June 13 (18 days) | All except coho | Chinook quota from U.S./ Canada border to Cape Falcon, OR combined was 9,000. | - | Two fish per day. All Chinook must be marked with a healed adipose fin clip. Chinook 24 inch total length minimum size limit. |
| Queets R. to Cape Falcon, WA (Columbia River and Westport subareas) | | | | |
| May 31 - June 13 (14 days) | All except coho | | | Two fish per day. All Chinook must be marked with a healed adipose fin clip. Chinook 24 inch total length minimum size limit. |
| U.S./Canada Border to Cape Alava, WA (Neah Bay subarea) | | | | |
| June 14-Aug. 31 (79 days) | All salmon | | 19,220 | Seven days per week. All salmon; two fish per day; Sept. 1-21 two salmon daily and unmarked coho retention allowed. No chum retention beginning August 1. Chinook non-retention east of the Bonilla-Tatoosh line during Council managed ocean fishery beginning Aug. 1. |
| Sept.1-21 (21 days) | All salmon | | 1,600 [c/] | |
| Cape Alava to Queets R., WA (La Push subarea) | | Chinook quota for all subareas from the U.S./ Canada border to Cape Falcon, OR combined was 50,100. | | |
| June 14-Aug. 31 (79 days) | All salmon | | 4,750 | Seven days per week. All salmon; two fish per day; Sept. 1-21 two salmon daily and unmarked coho retention allowed. |
| Sept.1-21 (21 days) | All salmon | | 1,500 [c/] | |
| North of 47°50'00" N. Lat. and south of 48°00'00" N. Lat. | | | | |
| Sept. 27-Oct. 12 (16 days) | All salmon | | 50 | Seven days per week. Two salmon per day. |
| Queets R. to Leadbetter Pt., WA (Westport subarea) | | | | |
| June 14-Aug. 31 (79 days) | All salmon | | 68,380 | Seven days per week. All salmon; two fish per day, June 14-Aug. 17 no more than one of which can be a Chinook; Sept. 1-19 two salmon daily and unmarked coho retention allowed. |
| Sept. 1-19 (19 days) | | | 13,750 [c/] | |
| Leadbetter Pt., WA to Cape Falcon, OR (Columbia River subarea) | | | | |
| June 14-Sept.5 (84 days) | All salmon | | 92,400 | Seven days per week. All salmon; two fish per day, no more than one of which can be a Chinook; Sept. 6-21 two salmon daily and unmarked coho retention allowed. |
| Sept. 6-21 (16 days) | All salmon | | 13,100 [c/] | |

TABLE I-3. Summary of actual ocean recreational salmon fishing regulations for 2014. (Page 2 of 3)

| Area and Season | Salmon Species | Actual Quota Chinook | Actual Quota Coho[a/] | Daily Limit and Special Restrictions[b/] |
|---|---|---|---|---|
| Cape Falcon to Humbug Mt. | | | | |
| Mar. 15-June 20, Aug. 11-29, Sept. 20-30 and Oct. 1-31 (159 days) | All except coho | None | - | Two salmon daily. Shoreward of the 15 fathom curve off Tillamook Bay between Twin Rocks and Pyramid Rock, only fin-clipped Chinook may be retained or on board while fishing prior to Aug. 1. Fishing in the Stonewall Bank groundfish conservation area restricted to trolling only on days the all depth recreational halibut fishery is open.[d/] |
| Cape Falcon to Humbug Mt. (cont.) | | | | |
| June 21-Aug. 10 (51 days) | All salmon | None | 80,000 | Two salmon daily. All coho must be marked. Shoreward of the 15 fm curve off Tillamook Bay between Twin Rocks and Pyramid Rock and prior to Aug. 1, all retained Chinook must have a healed adipose fin-clip. Fishing in the Stonewall Bank groundfish conservation area restricted to trolling only on days the all-depth recreational halibut fishery is open.[d/] |
| Cape Falcon to Humbug Mt. (cont.) | | | | |
| Aug. 30-Sept. 19 (21 days) | All salmon | None | 35,000 [e/] | 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.[d/] |
| Elk River Ocean Terminal Area | | | | |
| Inside of a line from Cape Blanco to Black Rock to Best Rock to 42º40'30" N. Lat. 124º29'00" W. Long. to Humbug Mt. | | | | |
| Nov. 1-30 (30 days) | Chinook only | None | - | Two Chinook daily, one of which can be unmarked; no more than 10 unmarked per season in aggregate with Elk R., Sixes R., and Floras Ck./New R. |
| Humbug Mt. to OR/CA border | | | | |
| May 10-June 20, Aug. 11-Sept. 7 (70 days) | All except coho | None | - | Two salmon daily. |
| June 21-Aug. 10 (51 days) | All salmon | None | [f/] | Two salmon daily. All coho must be marked. |
| Chetco River Terminal Area | | | | |
| Twin Rocks to OR/CA border inside 3 nm | | | | |
| Oct. 1-12 (12 days) | Chinook only | None | - | Two Chinook daily, one of which can be unmarked; no more than five unmarked per season. |

TABLE I-3. Summary of actual ocean recreational salmon fishing regulations for 2014. (Page 3 of 3)

| Area and Season | Salmon Species | Actual Quota Chinook | Actual Quota Coho[a/] | |
|---|---|---|---|---|
| OR/CA border to Horse Mt. | | | | |
| May 10-Sept. 7 (121 days) | All except coho | None | - | Two salmon daily. 24 inch minimum size limit. |
| Horse Mt. to Pt. Arena | | | | |
| Apr. 5-Nov. 9 (219 days) | All except coho | None | - | Two salmon daily. 20 inch minimum size limit. |
| Pt. Arena to Pigeon Pt. | | | | |
| Apr. 5-Nov. 9 (219 days) | All except coho | None | - | Two salmon daily. Minimum size limit of 24 inches total length through June 30; 20 inches thereafter. |
| Pigeon Pt. to U.S./Mexico Border | | | | |
| Apr. 5-Oct. 5 (184 days) | All except coho | None | - | Two salmon daily. 24 inch minimum size limit. |

a/ All coho fisheries and quotas are mark-selective for fish with a healed adipose fin clip unless otherwise noted.

b/ Unless otherwise noted, minimum size limits are 24 inches for Chinook and 16 inches for coho. For a complete description of gear restrictions, see the 2014 ocean salmon regulations or the 2014 Preseason Report III, Table 3.

c/ Non-mark-selective coho quotas are the result of impact-neutral transfers between sub-areas and conversions of remaining mark-selective coho quotas to non-selective equivalent quotas. For details, see Table C-9.

d/ The all-depth halibut season was open on May 8-10, 22-24, June 5-7, June 19-21, and August 1-2.

e/ A portion of the 31,470 coho remaining in the Cape Falcon to the OR/CA border recreational mark-selective quota of 80,000 coho were transferred on an impact neutral basis to the August 30 through September 19 Cape Falcon to Humbug Mt. recreational non-mark-selective coho quota. This increased the quota for this season from 20,000 up to 35,000 coho.

f/ Marked coho catch included against the Cape Falcon to Humbug Mountain quota of 80,000.

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 500 pounds may be shown as zero. (Page 1 of 4)

| Year or Average | COMMERCIAL TROLL | | | | | | | RECREATIONAL | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Effort (boat days fished) | Catch | | | | | | Effort (salmon angler trips) | Catch (numbers of fish) | | | | Salmon Per Angler Trip |
| | | Numbers of Fish | | | Thousands of Pounds (Dressed Weight) | | | | | | | | |
| | | Chinook | Coho | Pink | Chinook | Coho | Pink | | Chinook | Coho | Pink | Total | |
| | | | | | | **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 | 149,974 | 753 | 1,045 | 358 | 163,344 | 54,662 | 172,399 | 5,915 | 232,976 | 1.4 |
| 1986-90 | 6,078 | 71,534 | 137,942 | 33,565 | 662 | 603 | 117 | 119,412 | 26,075 | 165,058 | 1,919 | 193,051 | 1.6 |
| 1991-95 | 5,158 | 42,477 | 76,334 | 32,072 | 350 | 319 | 112 | 104,949 | 11,156 | 131,364 | 2,484 | 145,003 | 1.4 |
| 1996-2000 | 660 | 25,267 | 28,492 | 1,682 | 231 | 118 | 9 | 38,459 | 4,940 | 41,445 | 1,799 | 48,184 | 1.3 |
| 2001-2005 | 1,721 | 79,452 | 41,007 | 1,544 | 989 | 245 | 4 | 109,947 | 35,251 | 109,200 | 6,862 | 151,312 | 1.4 |
| 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 | 731 | 389 | 252 | 3 | 72,683 | 8,944 | 83,788 | 4,670 | 97,401 | 1.3 |
| 2008 | 1,803 | 29,543 | 15,970 | 0 | 257 | 137 | 0 | 37,610 | 14,635 | 18,870 | 0 | 33,505 | 0.9 |
| 2009 | 2,818 | 24,542 | 80,718 | 935 | 254 | 483 | 3 | 101,560 | 12,351 | 138,493 | 7,627 | 158,471 | 1.6 |
| 2010 | 3,293 | 77,475 | 13,565 | 0 | 804 | 95 | 0 | 80,955 | 36,874 | 36,278 | 0 | 73,152 | 0.9 |
| 2011 | 2,651 | 58,667 | 16,661 | 1,281 | 672 | 95 | 2 | 73,596 | 29,203 | 39,582 | 10,328 | 79,113 | 1.1 |
| 2012 | 3,014 | 91,645 | 40,729 | 0 | 950 | 216 | 0 | 77,659 | 33,729 | 31,434 | 0 | 65,163 | 0.8 |
| 2013 | 3,332 | 90,065 | 53,755 | 364 | 924 | 272 | 1 | 80,014 | 28,918 | 46,140 | 7,663 | 82,721 | 1.0 |
| 2014[c/] | 3,029 | 100,295 | 71,304 | 0 | 1,083 | 401 | 0 | 119,617 | 40,025 | 123,057 | 0 | 163,082 | 1.4 |

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 500 pounds may be shown as zero. (Page 2 of 4)

| Year or Average | COMMERCIAL TROLL | | | | | | | RECREATIONAL | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Effort (boat days fished) | Catch | | | | | | Effort (salmon angler trips) | Catch (numbers of fish) | | | | Salmon Per Angler Trip |
| | | Numbers of Fish | | | Thousands of Pounds (Dressed Weight) | | | | | | | | |
| | | Chinook | Coho | Pink | Chinook | Coho | Pink | | Chinook | Coho | Pink | Total | |
| | | | | | | **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 |
| 2001-2005 | 12,019 | 282,567 | 5,749 | 124 | 3,109 | 39 | 1 | 118,845 | 39,942 | 66,017 | 0 | 105,959 | 0.9 |
| 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 | 18 | 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 | 3,752 | 32,081 | 464 | 49 | 402 | 3 | 0 | 48,756 | 5,164 | 18,832 | 0 | 23,996 | 0.5 |
| 2012 | 6,256 | 73,097 | 625 | 0 | 741 | 4 | 0 | 67,308 | 18,794 | 16,079 | 0 | 34,873 | 0.5 |
| 2013 | 8,982 | 112,767 | 427 | 0 | 1,291 | 2 | 0 | 85,535 | 30,234 | 14,536 | 0 | 44,770 | 0.5 |
| 2014[c/] | 10,795 | 207,858 | 11,006 | 0 | 2,575 | 67 | 0 | 121,484 | 18,443 | 99,542 | 0 | 117,985 | 1.0 |

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 500 pounds may be shown as zero. (Page 3 of 4)

| Year or Average | COMMERCIAL TROLL | | | | | | | RECREATIONAL | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Effort (boat days fished) | Catch | | | | | | Effort (salmon angler trips) | Catch (numbers of fish) | | | | Salmon Per Angler Trip |
| | | Numbers of Fish | | | Thousands of Pounds (Dressed Weight) | | | | | | | | |
| | | Chinook | Coho | Pink | Chinook | Coho | Pink | | Chinook | Coho | Pink | Total | |
| | | | | | | **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 | 5,743 | 22 | 247,400 | 169,600 | 48,300 | 0 | 217,900 | 0.9 |
| 1976-80 | 95,003 | 618,637 | 210,303 | 500 | 5,867 | 1,184 | 3 | 163,469 | 92,422 | 31,158 | 0 | 123,580 | 0.8 |
| 1981-85 | 59,765 | 462,652 | 58,726 | 2,400 | 4,454 | 345 | 14 | 146,950 | 109,097 | 19,866 | 0 | 128,963 | 0.9 |
| 1986-90 | 58,511 | 794,703 | 46,780 | 300 | 8,097 | 262 | 2 | 240,667 | 166,395 | 40,388 | 0 | 206,783 | 0.9 |
| 1991-95 | 25,700 | 341,928 | 42,475 | - | 3,429 | 94 | 0 | 215,996 | 170,296 | 22,399 | 0 | 192,695 | 0.9 |
| 1996-2000 | 18,299 | 368,001 | - | 0 | 4,037 | 0 | 0 | 194,586 | 157,742 | 452 | 0 | 158,194 | 0.8 |
| 2001-2005 | 17,187 | 383,921 | - | 0 | 4,877 | 0 | 0 | 180,127 | 147,974 | 979 | 0 | 148,953 | 0.8 |
| 2006 | 8,259 | 69,728 | - | 0 | 1,043 | 0 | 0 | 126,506 | 96,292 | 1,626 | 0 | 97,918 | 0.8 |
| 2007 | 10,671 | 114,141 | - | 0 | 1,525 | 0 | 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 | - | 0 | 228 | - | 0 | 48,667 | 14,809 | 175 | 0 | 14,984 | 0.3 |
| 2011 | 6,973 | 70,028 | - | 0 | 992 | - | 0 | 91,676 | 49,822 | 316 | 0 | 50,138 | 0.5 |
| 2012 | 14,522 | 215,585 | - | 0 | 2,530 | - | 0 | 148,007 | 123,926 | 101 | 0 | 124,027 | 0.8 |
| 2013 | 17,293 | 297,627 | - | 0 | 3,793 | - | 0 | 147,296 | 116,074 | 361 | 0 | 116,435 | 0.8 |
| 2014[c/] | 14,187 | 166,486 | - | 0 | 2,228 | - | 0 | 120,254 | 74,746 | 479 | 0 | 75,225 | 0.6 |

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 500 pounds may be shown as zero. (Page 4 of 4)

| Year or Average | COMMERCIAL TROLL | | | | | | | RECREATIONAL | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Effort (boat days fished) | Catch | | | | | | Effort (salmon angler trips) | Catch (numbers of fish) | | | | Salmon Per Angler Trip |
| | | Numbers of Fish | | | Thousands of Pounds (Dressed Weight) | | | | | | | | |
| | | Chinook | Coho | Pink | Chinook | Coho | Pink | | Chinook | Coho | Pink | Total | |
| **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 | 16,559 | 170 | 730,300 | 380,000 | 615,700 | 6,100 | 1,001,800 | 1.4 |
| 1976-80 | 194,675 | 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/] | 98,043 | 679,481 | 577,980 | 154,474 | 6,638 | 2,927 | 489 | 543,838 | 196,845 | 357,658 | 8,615 | 563,117 | 1.0 |
| 1986-90 | 102,743 | 1,261,163 | 581,965 | 38,165 | 12,490 | 2,823 | 140 | 601,240 | 228,183 | 424,082 | 2,419 | 654,684 | 1.1 |
| 1991-95 | 39,874 | 485,349 | 238,176 | 32,452 | 4,719 | 738 | 114 | 420,491 | 190,686 | 256,764 | 2,544 | 449,993 | 1.1 |
| 1996-2000 | 26,146 | 522,792 | 34,625 | 2,062 | 5,682 | 132 | 11 | 278,654 | 173,912 | 54,356 | 1,859 | 230,128 | 0.8 |
| 2001-2005 | 30,927 | 745,940 | 46,757 | 1,668 | 8,975 | 284 | 5 | 408,920 | 223,168 | 176,195 | 6,862 | 406,224 | 1.0 |
| 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 | 811 | 2,379 | 353 | 3 | 266,836 | 63,589 | 145,187 | 4,670 | 213,445 | 0.8 |
| 2008 | 2,612 | 35,497 | 16,405 | 0 | 324 | 140 | 0 | 68,419 | 16,219 | 30,955 | 2 | 47,176 | 0.7 |
| 2009 | 4,037 | 25,691 | 102,686 | 953 | 269 | 614 | 3 | 191,437 | 14,608 | 228,107 | 7,627 | 250,342 | 1.3 |
| 2010 | 9,559 | 131,996 | 14,603 | 0 | 1,537 | 102 | 0 | 182,941 | 56,650 | 54,748 | 0 | 111,398 | 0.6 |
| 2011 | 13,376 | 160,776 | 17,125 | 1,330 | 2,065 | 97 | 2 | 214,028 | 84,189 | 58,730 | 10,328 | 153,247 | 0.7 |
| 2012 | 23,792 | 380,327 | 41,354 | 0 | 4,222 | 220 | 0 | 292,974 | 176,449 | 47,614 | 0 | 224,063 | 0.8 |
| 2013 | 29,607 | 500,459 | 54,182 | 364 | 6,009 | 274 | 1 | 312,845 | 175,226 | 61,037 | 7,663 | 243,926 | 0.8 |
| 2014[c/] | 28,011 | 474,639 | 82,310 | 0 | 5,886 | 469 | 0 | 361,355 | 133,214 | 223,078 | 0 | 356,292 | 1.0 |

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 prior to 2005, which were relatively minor in all years except 2004 when 25,655 Chinook were landed and 227 days fished in Oregon waters.

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

| | COMMERCIAL TROLL | | | | RECREATIONAL | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Effort[a/] (days | Catch (numbers of fish) | | | Effort (salmon | Catch (numbers of fish) | | | | Salmon Per |
| Year | fished) | Chinook | Coho | Pink | angler trips) | Chinook | Coho | Pink | Total | Angler Trip |
| **- - - - - U.S./CANADA BORDER TO CAPE FALCON - - - - -** | | | | | | | | | | |
| **Treaty Indian (U.S./Canada Border to Leadbetter Point)[b/]:** | | | | | | | | | | |
| 2006 | 805 | 30,545 | 31,938 | 0 | - | - | - | - | - | - |
| 2007 | 590 | 22,943 | 40,038 | 584 | - | - | - | - | - | - |
| 2008 | 580 | 20,907 | 14,264 | 0 | - | - | - | - | - | - |
| 2009 | 827 | 12,226 | 60,663 | 800 | - | - | - | - | - | - |
| 2010 | 857 | 32,376 | 11,461 | 0 | - | - | - | - | - | - |
| 2011 | 587 | 31,765 | 13,608 | 1,066 | - | - | - | - | - | - |
| 2012 | 954 | 54,790 | 37,461 | 0 | - | - | - | - | - | - |
| 2013 | 1,024 | 49,975 | 47,714 | 223 | - | - | - | - | - | - |
| 2014[c/] | 1,007 | 61,588 | 55,897 | 0 | - | - | - | - | - | - |
| **Non-Indian:** | | | | | | | | | | |
| 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 | 153 | 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 | 2,353 | 29,738 | 3,517 | 49 | 80,979 | 30,822 | 45,628 | 10,828 | 87,278 | 1.1 |
| 2012 | 2,476 | 45,299 | 3,893 | 0 | 84,271 | 35,433 | 33,106 | 0 | 68,539 | 0.8 |
| 2013 | 2,595 | 42,051 | 6,468 | 184 | 86,150 | 30,836 | 50,153 | 7,668 | 88,657 | 1.0 |
| 2014[c/] | 2,850 | 54,901 | 23,141 | 0 | 131,868 | 42,327 | 139,802 | 0 | 182,129 | 1.4 |
| **- - - - - CAPE FALCON TO HUMBUG MOUNTAIN - - - - -** | | | | | | | | | | |
| 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 | 0 | 8,241 | 0.4 |
| 2009 | 691 | 437 | 9,280 | 0 | 66,337 | 410 | 68,990 | 2 | 69,402 | 1.0 |
| 2010 | 3,476 | 27,444 | - | 0 | 37,115 | 2,331 | 12,127 | 0 | 14,458 | 0.4 |
| 2011 | 3,174 | 27,919 | - | 0 | 35,113 | 2,609 | 12,758 | 0 | 15,367 | 0.4 |
| 2012 | 5,458 | 59,209 | - | 0 | 43,649 | 7,767 | 14,198 | 0 | 21,965 | 0.5 |
| 2013 | 7,988 | 103,990 | - | 0 | 59,291 | 17,867 | 10,084 | 0 | 27,951 | 0.5 |
| 2014[c/] | 9,190 | 175,567 | 3,272 | 0 | 92,183 | 9,324 | 82,229 | 0 | 91,553 | 1.0 |
| **- - - - - HUMBUG MOUNTAIN TO HORSE MOUNTAIN (KMZ) - - - - -** | | | | | | | | | | |
| 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 | - | 0 | 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 | 490 | 3,717 | - | - | 21,209 | 10,923 | 126 | 0 | 11,049 | 0.5 |
| 2012 | 687 | 10,675 | - | - | 50,203 | 48,767 | 276 | 0 | 49,043 | 1.0 |
| 2013 | 1,368 | 16,994 | - | - | 49,936 | 44,430 | 676 | 0 | 45,106 | 0.9 |
| 2014[c/] | 873 | 16,710 | - | - | 37,684 | 22,644 | 850 | 0 | 23,494 | 0.6 |
| **- - - - - HORSE MOUNTAIN TO U.S./MEXICO BORDER - - - - -** | | | | | | | | | | |
| 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 | 0 | 14,214 | 0.3 |
| 2011 | 6,772 | 67,637 | - | - | 76,727 | 39,835 | 218 | 0 | 40,053 | 0.5 |
| 2012 | 14,217 | 210,354 | - | - | 116,625 | 84,482 | 34 | 0 | 84,516 | 0.7 |
| 2013 | 16,632 | 287,449 | - | - | 117,468 | 82,093 | 124 | 0 | 82,217 | 0.7 |
| 2014[c/] | 14,091 | 165,873 | - | - | 99,620 | 58,919 | 197 | 0 | 59,116 | 0.6 |

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 2014 Council managed fisheries compared with actual harvest by management area and fishery.

| | Chinook | | | Coho | | |
|---|---|---|---|---|---|---|
| Fishery Governed by Quota or Guideline | 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) | 31,250 | 29,574 | 0.95 | - | - | - |
| U.S./Canada Border to Cape Falcon (July-Sept.) | 33,022 [b/] | 32,014 | 0.97 | 62,500 | 55,897 | 0.89 |
| Subtotal Treaty Indian Commercial Troll | 64,272 | 61,588 | 0.96 | 62,500 | 55,897 | 0.89 |
| NON-INDIAN COMMERCIAL TROLL | | | | | | |
| U.S./Canada Border to Cape Falcon (May-June) | 37,900 * | 36,881 | 0.97 | - | - | - |
| U.S./Canada Border to Cape Falcon (July-Sept.) | 19,000 * | 2,842 | 0.15 | 35,200 [b/] | 23,141 | 0.66 |
| Subtotal Non-Indian Commercial Troll | 56,900 | 39,723 | 0.70 | 35,200 [b/] | 23,141 | 0.66 |
| RECREATIONAL | | | | | | |
| U.S./Canada Border to Cape Falcon (May-June) | 9,000 * | 4,973 | 0.55 | - | - | - |
| U.S./Canada Border to Cape Alava (July-Sept.) | 7,000 * | 5,632 | 0.80 | 19,220 [b/] | 5,702 | 0.30 |
| Cape Alava to Queets River (July-Oct.) | 2,400 * | 1,576 | 0.66 | 4,800 [b/] | 4,608 | 0.96 |
| Queets River to Leadbetter Pt. (July-Sept.) | 27,600 * | 22,264 | 0.81 | 68,380 [b/] | 54,798 | 0.80 |
| Leadbetter Pt. to Cape Falcon (July-Sept.) | 13,100 * | 10,754 | 0.82 | 92,400 [b/] | 75,342 | 0.82 |
| Subtotal Recreational | 59,100 | 45,199 | 0.76 | 184,800 [b/] | 140,450 | 0.76 |
| TOTAL NORTH OF CAPE FALCON | 180,272 | 146,510 | 0.81 | 282,500 [b/] | 219,488 | 0.78 |
| **SOUTH OF CAPE FALCON** | | | | | | |
| COMMERCIAL TROLL (all except coho) | | | | | | |
| Humbug Mt. to OR/CA Border (June) | 1,500 | 1,345 | 0.90 | - | - | - |
| Humbug Mt. to OR/CA Border (July) | 574 [b/] | 500 | 0.87 | - | - | - |
| Humbug Mt. to OR/CA Border (August) | 580 [b/] | 404 | 0.70 | - | - | - |
| Humbug Mt. to OR/CA Border (Sept.) | 500 | 54 | 0.11 | - | - | - |
| OR/CA Border to Humboldt South Jetty (Sept.) | 4,000 | 613 | 0.15 | - | - | - |
| Subtotal Troll | 7,154 [b/] | 2,916 | 0.41 | - | - | - |
| RECREATIONAL | | | | | | |
| Cape Falcon to OR/CA border (June 21 - Aug. 10) | - | - | - | 80,000 | 48,530 | 0.61 |
| Cape Falcon to Humbug Mt. (Aug. 30 -Sept. 19) | - | - | - | 35,000 [b/] | 34,267 | 0.98 |
| TOTAL SOUTH OF CAPE FALCON | 7,154 [b/] | 2,916 | 0.41 | 115,000 [b/] | 82,797 | 0.72 |
| GRAND TOTAL COUNCIL AREA | 187,426 [b/] | 149,426 | 0.80 | 397,500 [b/] | 302,285 | 0.76 |

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

b/ Quotas do not match preseason quota/guidelines because inseason actions (i.e., trades, transferring quotas on an impact neutral basis, and converting to non-mark-selective fishery equivalence) resulted in increases or decreases to the overall quota. See Tables I-I, 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 2014 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 | 2014 Catch Projection | 2014 Bycatch Mortalitya/ Projection | 2014 Bycatch Projection[b/] | Observed in 2014 | |
|---|---|---|---|---|---|
| | | | | Catch | Bycatch Mortality |
| | | | **CHINOOK (thousands of fish)** | | |
| OCEAN FISHERIES: | | | | | |
| NORTH OF CAPE FALCON | | | | | |
| Treaty Indian Ocean Troll | 62.5 | 14.7 | 48.6 | 61.5 | 47.8 |
| Non-Indian Commercial Troll | 56.9 | 26.4 | 95.3 | 54.9 | 25.5 |
| Recreational | 59.1 | 14.8 | 87.4 | 42.3 | 10.6 |
| CAPE FALCON TO HUMBUG MT.[c/] | | | | | |
| Commercial Troll | 140.6 | 18.1 | 44.7 | 175.6 | 22.6 [d/] |
| Recreational | 10.7 | 1.0 | 3.3 | 9.3 | 0.9 |
| HUMBUG MT. TO HORSE MT.[c/] | | | | | |
| Commercial Troll | 7.9 | 1.0 | 2.5 | 16.7 | 3.2 [d/] |
| Recreational | 21.3 | 2.0 | 6.5 | 22.6 | 2.8 [d/] |
| SOUTH OF HORSE MT. | | | | | |
| Commercial | 171.0 | 22.1 | 54.4 | 165.9 | 24.4 [d/] |
| Recreational | 80.7 | 7.8 | 22.3 | 58.9 | 6.1 [d/] |
| TOTAL OCEAN FISHERIES | | | | | |
| Commercial Troll | 438.9 | 82.3 | 245.5 | 474.6 | 123.5 |
| Recreational | 171.8 | 25.6 | 119.5 | 133.1 | 20.4 |
| INSIDE FISHERIES: | | | | | |
| Area 4B | - | - | - | - | - |
| Buoy 10 | 37.4 | 0.6 | 3.3 | 26.8 | 4.4 [d/] |
| | | | **COHO (thousands of fish)** | | |
| OCEAN FISHERIES: | | | | | |
| NORTH OF CAPE FALCON | | | | | |
| Treaty Indian Ocean Troll | 57.5 | 4.3 | 8.2 | 55.7 | 4.2 |
| Non-Indian Commercial Troll | 35.2 | 15.0 | 49.3 | 23.1 | 9.9 |
| Recreational | 184.8 | 32.0 | 136.5 | 139.8 | 20.4 |
| SOUTH OF CAPE FALCON[c/] | | | | | |
| Commercial Troll | - | 13.1 | 50.6 | 3.3 | 9.8 |
| Recreational | 100.0 | 27.0 | 124.7 | 82.8 | 22.4 |
| TOTAL OCEAN FISHERIES | | | | | |
| Commercial Troll | 92.7 | 32.4 | 108.1 | 82.1 | 23.9 |
| Recreational | 284.8 | 59.0 | 261.2 | 222.6 | 42.8 |
| INSIDE FISHERIES: | | | | | |
| Area 4B | - | - | - | - | - |
| Buoy 10 | 50.0 | 8.0 | 29.5 | 57.7 | 10.3 [d/] |

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 or coho in California fisheries. Used as a surrogate in Oregon fisheries.

TABLE I-8. Summary of 2014 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 | 88% | 70% | - | 246 | 334 | 333 | 1 | 166 | 554 | 126 | 1,335 |
| Westport | 63% | 74% | - | 2,697 | 1,146 | 1,146 | 0 | 523 | 348 | 205 | 2,647 |
| Columbia River | 80% | 86% | - | 559 | 618 | 617 | 1 | 131 | 373 | 108 | 998 |
| North of Cape Falcon Total | - | - | 9,000 | 3,502 | 2,098 | 2,096 | 2 | 820 | 1,275 | 439 | 4,980 |
| Inside Fisheries | | | | | | | | | | | |
| Strait of Juan de Fuca[d/] | 56% | 48% | 6,296 [e/] | 3,389 | 5,155 | 5,106 | 49 | 3,727 | 11,123 | 3,041 | 23,731 |
| **Grand Total** | - | - | 15,296 | 6,891 | 7,253 | 7,202 | 51 | 4,547 | 12,398 | 3,481 | 28,711 |

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 - Aug. 15, 2014) selective fishery only. Data are preliminary.

e/ Expected catch; not a quota.

TABLE I-9. Summary of 2014 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 | 53% | 56% | 19,220 | 4,654 | 4,165 | 4,054 | 111 | 4,327 | 1,233 | 13,571 |
| La Push | 59% | 52% | 4,800 | 975 | 3,543 | 3,504 | 40 | 3,784 | 987 | 4,513 |
| Westport | 64% | 63% | 68,380 | 12,280 | 41,495 | 41,329 | 166 | 26,729 | 7,810 | 43,622 |
| Columbia River | 72% | 73% | 92,400 | 13,316 | 63,162 | 62,923 | 239 | 22,313 | 7,708 | 47,516 |
| North of Cape Falcon Total | - | - | 184,800 | 31,225 | 112,365 | 111,809 | 556 | 57,153 | 17,737 | 109,222 |
| Cape Falcon to OR/CA Border | 52% | 48% | 80,000 | 19,816 | 48,526 | 48,215 | 311 | 52,919 | 12,481 | 55,693 |
| Ocean Fisheries Total | - | - | 264,800 | 51,041 | 160,891 | 160,024 | 867 | 110,072 | 30,218 | 164,915 |
| Inside Fisheries | | | | | | | | | | |
| 4B Add-on | - | - | - | - | - | - | - | - | - | - |
| Strait of Juan de Fuca[d/] | 48% | 43% | 20,260 [e/] | 4,455 | 17,713 | 17,532 | 181 | 24,446 | 3,819 | 35,845 |
| Buoy 10 | 68% | 60% | 50,000 [e/] | 8,048 | 57,744 | 57,553 | 191 | 38,923 | 10,283 | 107,522 |
| Inside Fisheries Total | - | - | 70,260 | 12,503 | 75,457 | 75,085 | 372 | 63,369 | 14,102 | 143,367 |
| **Commercial** | | | | | | | | | | |
| Neah Bay | 52% | - | - | 166 | 41 | 41 | 0 | 43 | 15 | 11 |
| La Push | 55% | - | - | 1,557 | 4,602 | 4,602 | 0 | 4,267 | 1,553 | 341 |
| Westport | 61% | - | - | 2,953 | 4,839 | 4,818 | 21 | 3,554 | 1,344 | 454 |
| Columbia River | 67% | - | - | 4,596 | 5,702 | 5,702 | 0 | 3,319 | 1,314 | 321 |
| Commercial Total | - | - | 14,220 | 9,272 | 15,184 | 15,163 | 21 | 11,183 | 4,226 | 1,127 |
| **Grand Total** | - | - | 349,280 | 72,816 | 251,532 | 250,272 | 1,260 | 184,625 | 48,545 | - |

a/ Hook-and-release plus drop-off mortality of marked plus unmarked fish; computation of estimated nonretention mortality differs from 2010 and prior years; computation of North of Falcon recreational fisheries estimated nonretention mortality differs from 2011 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 – Sep 18 and Sep 26-October 31, 2014) 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.

| | Total Catches | | | Treaty Chinook | | | Additional Catch | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Terminal | Hatchery |
| Year | Troll | Net | Sport | Troll | Net | Sport | Exclusion[a/] | 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 | 338.5 | 68.1 | 86.6 | 304.6 | 20.3 | 63.2 | 40.2 | 64.8 |
| 2006 | 282.3 | 67.4 | 85.8 | 263.8 | 26.6 | 69.2 | 27.0 | 48.9 |
| 2007 | 268.1 | 53.6 | 82.8 | 240.2 | 25.3 | 62.2 | 8.1 | 68.9 |
| 2008 | 151.9 | 43.0 | 49.3 | 126.2 | 13.7 | 32.5 | 5.3 | 66.6 |
| 2009 | 175.6 | 48.5 | 69.6 | 159.0 | 20.6 | 47.9 | 3.7 | 62.4 |
| 2010 | 195.6 | 30.6 | 58.5 | 177.8 | 8.3 | 44.2 | 0.5 | 53.9 |
| 2011 | 242.2 | 48.2 | 66.6 | 220.1 | 16.2 | 53.8 | 0.7 | 66.1 |
| 2012 | 209.0 | 39.5 | 46.5 | 191.3 | 13.2 | 37.6 | 1.1 | 51.9 |
| 2013 | 209.0 | 39.5 | 46.5 | 191.3 | 13.2 | 37.6 | 1.1 | 51.9 |
| 2014[c/] | 355.6 | 50.0 | 79.8 | 339.9 | 21.1 | 71.3 | 0.7 | 52.3 |

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.

| | Northern B.C. | | Central B.C. | | North-Central B.C. | WCVI | | | | Strait of Georgia | | | | Juan de Fuca | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Outside | | | Sport | | | | |
| Year or Avg. | Troll | Net | Troll | Net | Sport | NW Troll | SW Troll | Net | Sport | Troll | Net[a/] | North[e/] | South | Troll | Net | Sport |
| **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 | 25.6 | 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 | 47.4 | 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 | 23.9 | 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 | 26.3 | 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 | 26.4 | 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 | 20.3 | 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 | 22.3 | 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 | 10.9 | 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 | 23.9 | 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 | 21.5 | 4.0 | - | 0.2 | 15.6 |
| 2011 | 74.7 | 4.6 | - | 4.8 | 70.1 | 70.0 | 54.0 | 21.8 | 78.4 | 0.0 | 0.5 | 27.4 | 6.1 | - | 0.0 | 13.6 |
| 2012 | 80.2 | 1.4 | 0.0 | 3.6 | 52.9 | 32.3 | 23.2 | 10.2 | 65.4 | 0.0 | 1.9 | 26.9 | 3.4 | 0.0 | 0.3 | 22.1 |
| 2013 | 69.3 | 2.7 | 0.0 | 5.3 | 61.4 | 8.2 | 26.9 | 8.7 | 60.6 | 0.0 | 0.4 | 28.2 | 4.1 | 0.0 | 0.0 | 34.2 |
| 2014[b/] | 172.0 | 2.6 | 0.0 | 2.3 | 69.6 | 90.8 | 19.0 | 19.0 | 48.3 | 0.0 | 0.0 | 27.5 | 3.8 | 0.0 | 0.0 | 21.1 |
| **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 | 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 |
| 2012 | 215.5 | 0.0 | 0.0 | 0.5 | 6.0[c/] | 0.4 | 1.7 | 0.3 | 46.2 | 0.0 | 0.0 | 1.2 | 2.5 | 0.0 | 0.0 | 16.6 |
| 2013 | 378.2 | 21.0 | 21.1 | 24.5 | NA | 5.3 | 0.8 | 1.1 | 72.3 | 0.0 | 2.6 | 19.7[f/] | 4.6 | 0.0 | 0.0 | 19.7 |
| 2014[b/] | 177.5 | 26.7 | 0.0 | 11.6 | NA | 2.2 | 32.8 | 0.6 | 23.4 | 0.0 | 1.9 | 13.0[f/] | 1.2 | 0.0 | 0.0 | 21.1 |

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.

e/ Includes Johnstone Strait Sport (Chinook).

f/ Does not include areas 15 (North) and 16 (South).

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 | - | - | - | - | - | - | 8,553 | 31,296 | 23,652 | - | 11,642 | 3,980 | 79,123 |
| 2010-2011 | - | - | - | - | 1,849 | 875 | 8,670 | 41,239 | 34,394 | 15,619 | 21,284 | - | 123,930 |
| 2011˜2012 | - | - | 245 | 129 | 542 | 243 | 10,493 | 22,334 | - | - | 4,280 | 17,264 | 55,530 |
| 2012-2013 | 3,344 | 271 | 271 | 1,018 | 361 | 500 | 1,204 | 25,666 | - | - | - | 2,531 | 35,166 |
| 2013-2014[a/] | 2,358 | 28 | 25 | 49 | 586 | 1,422 | 13,345 | 40,336 | 0 | 26,494 | 10,002 | 15,151 | 109,796 |

a/ Preliminary.

b/ Fishery restricted to plugs only.

TABLE I-13. Summary of 2014 coho catch and release in British Columbia commercial fisheries.

| Gear/Area | Coho Kept | Coho Released |
|---|---|---|
| Northern Troll | 177,461 | 33,652 |
| Northern Net | 26,730 | 713 |
| North Central Troll | 0 | 77 |
| South Central Troll | - | - |
| Central Net | 11,636 | 7,983 |
| Johnstone Strait Net | 1,800 | 26,252 |
| Strait of Georgia Net | 30 | 247 |
| Strait of Georgia Troll | 0 | 92 |
| Fraser Gill Net | 67 | 3,840 |
| Northwest Vancouver Island Troll | 2,189 | 14,469 |
| Southwest Vancouver Island Troll | 32,760 | 726 |
| Northwest Vancouver Island Net | 0 | 1 |
| Southwest Vancouver Island Net | 607 | 30 |

TABLE I-14. Summary of 2014 coho catch and release in British Columbia recreational fisheries.

| Area | Kept | Released |
|---|---|---|
| Juan de Fuca Strait | 21,105 | 25,989 |
| Strait of Georgia | 14,920 | 10,635 |
| Johnstone Strait | 10,932 | 5,417 |
| WCVI[a/] | 41,347 | 15,677 |
| Total | 88,304 | 57,718 |

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

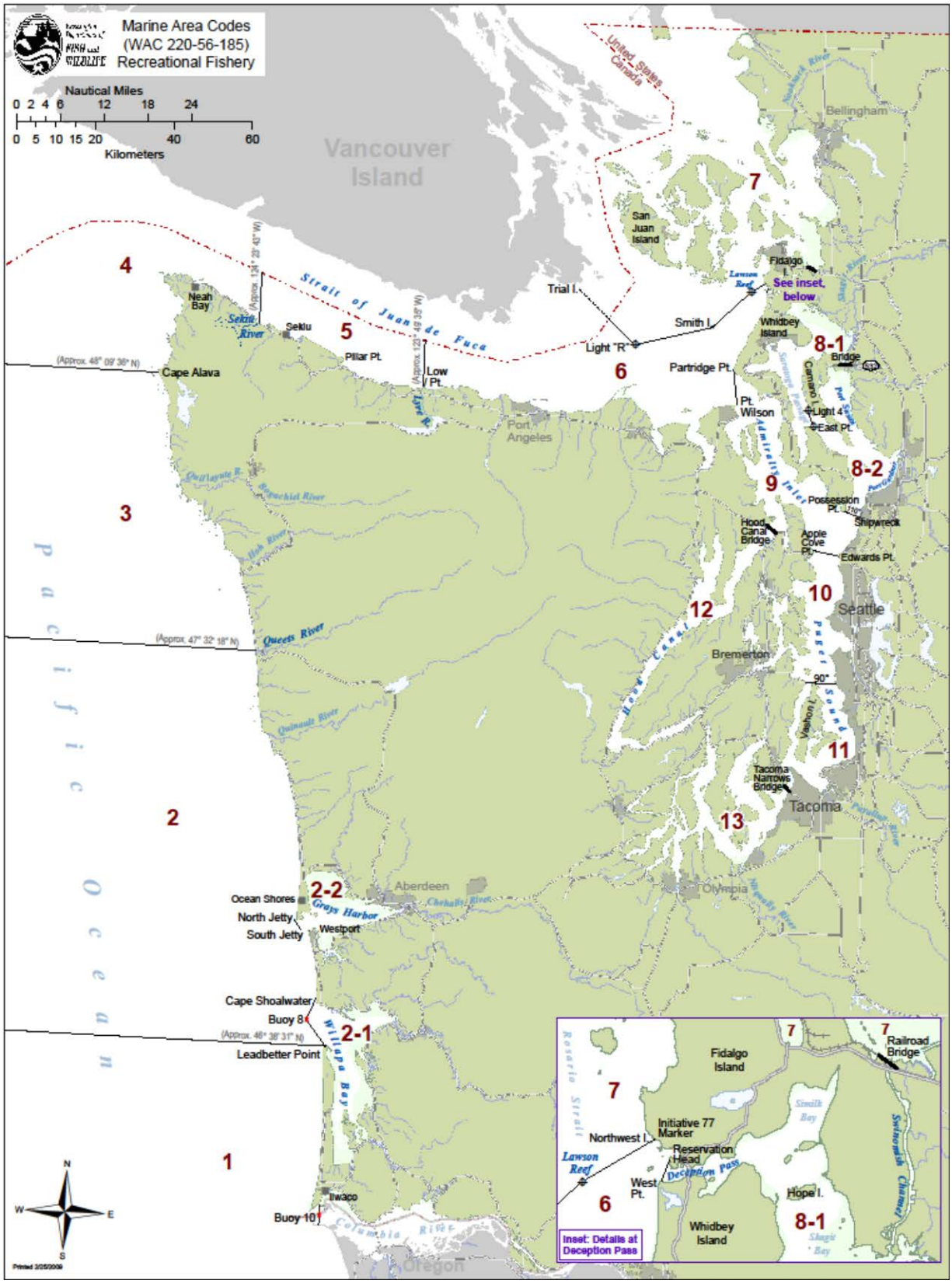



Figure I-1. Washington marine area code numbers and locations.

# 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 objectives guided Council management of Central Valley Chinook salmon stocks in the 2014 fisheries: (1) for SRWC, the ESA consultation standard specifying a maximum predicted age-3 impact rate of 15.4 percent and restrictions concerning the duration, timing, and minimum size limits for commercial and recreational ocean salmon fisheries south of Point Arena; and (2) for SRFC, an escapement of at least 190,400 hatchery and natural area adults. Harvest impacts on Central Valley Chinook were a primary management concern in fisheries south of Point Arena.

### Regulations to Achieve Objectives

In 2014, fishing opportunity south of Cape 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, the control rule-defined minimum KRFC natural area spawning escapement of 40,700 adults, and the exploitation rate limit on ESA-listed tule Chinook. Fisheries south of Point Arena were also constrained by the SRWC consultation standard. Season and size limit details are presented in Tables I-1 and I-3.

### *Commercial*

Harvest impacts on SRWC were a primary management concern for fisheries south of Point Arena while no specific restrictions were required for ocean salmon fisheries to meet the escapement goal for SRFC. SRFC were projected to have a 2014 hatchery and natural area adult escapement of 314,700, which exceeded the minimum allowable escapement, defined by the control rule, of 190,400.

The fishery south of Point Arena was open from May 1 through June 30. After a two week closure, the season reopened on July 15 and closed on September 30 for the area between Point Arena and Pigeon Point (with a two day closure at the end of August), and on August 13 for the area south of Pigeon Point. In addition, an October 1-15 fishery was open Monday through Friday between Point Reyes and Point San Pedro. Commercial fisheries south of Point Arena had a 27-inch minimum size limit through August, which reduced to 26 inches for September and October. Commercial fisheries in the Fort Bragg area and the Klamath Management Zone were more restricted than those to the south, primarily to meet the California Coastal Chinook consultation standard and the KRFC natural area spawning escapement requirements.

### *Recreational*

Recreational fisheries south of Point Arena were structured primarily to meet the SRWC ESA consultation standard and no specific restrictions were implemented to meet the SRFC escapement goal.

Recreational fisheries south of Horse Mountain opened on April 5, and extended through November 9 in the area from Horse Mountain to Pigeon Point and October 5 south of Pigeon Point. The minimum size limit for recreational fisheries from Horse Mountain to Point Arena was 20 inches. From Point Arena to

Pigeon Point the minimum size limit was 24 inches through June 30, and 20 inches thereafter. South of Pigeon Point the minimum size limit was 24 inches for the duration of the season. The fishery in the KMZ opened on May 10 and continued through September 7 with a minimum size limit of 24 inches. Oregon fisheries between Cape Falcon and Humbug Mountain were open from March 15 through October 31 with a minimum size limit of 24 inches.

### *Inside Harvest*

Recreational angling for salmon in Central Valley rivers was expected to result in a catch of 51,200 adult SRFC. An estimate of catch in Central Valley rivers was not available in time for inclusion in this document.

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 the recovery of winter Chinook coded-wire-tags (CWTs) in the sport fishery. Owing to low Chinook escapement to the Stanislaus, Tuolumne, and Merced rivers, the majority of the San Joaquin River has been closed to recreational salmon fishing. However, beginning in 2012, recreational angling opportunity was reintroduced on the Mokelumne River, the first such opportunity since 2007.

### *Escapement and Management Performance*

Total Chinook catch in commercial and recreational fisheries south of Cape Falcon was close to preseason expectations. Overall, commercial Chinook fisheries caught approximately 112 percent of preseason expectations and recreational Chinook fisheries caught approximately 81 percent of preseason expectations (Table I-7).

## Sacramento River Fall Chinook

Under the 2014 regulations, the projected spawning escapement in the Sacramento River Basin was 314,700 hatchery and natural area fall Chinook adults. A total of 211,668 hatchery and natural area adult spawners were estimated to have returned to the Sacramento River basin in 2014 (Table II-1, Figure II-1).

Fall Chinook returns to Sacramento River hatcheries in 2014 totaled 44,552 adults, and escapement to natural areas was 167,116 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 area and hatchery fall spawner escapement estimates. For a more detailed breakdown of the historical escapement see Appendix B, Table B-1.

Under the terms of Amendment 16 to the salmon FMP, SRFC are considered to be overfished when the 3-year geometric mean spawning escapement falls below the minimum stock size threshold (MSST) of 91,500 hatchery and natural area adult spawners. The geometric mean of adult spawning escapement for years 2012-2014 is 290,601 and therefore SRFC are not overfished.

SRFC are considered to have been subject to overfishing if the estimated exploitation rate exceeds their maximum fishing mortality threshold (MFMT) of 0.78. An estimate of the 2014 SRFC exploitation rate is not yet available. However, fisheries in 2013 resulted in an exploitation rate of 0.53, well below the MFMT. Therefore, overfishing did not occur in 2013 (Table II-6).

### Sacramento River Winter and Spring Chinook

Spawner escapement of endangered winter Chinook salmon in 2014 was estimated to be 2,688 adults and 327 jacks. This estimate was derived from a carcass survey conducted on the upper Sacramento River and includes winter Chinook captured in the Keswick trap, which provides brood stock to Livingston Stone National Fish Hatchery.

Winter Chinook 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. Red Bluff Diversion Dam gates were permanently removed in 2012, and escapement estimates based on dam passage are no longer available.

Escapement of spring Chinook to the Sacramento River system in 2014 totaled 9,720 fish (jacks and adults), most of which (an estimated 6,895 fish) returned to upper Sacramento River tributaries; the remaining 2,825 fish returned to the Feather River Hatchery. Estimates of spring Chinook escapement to the upper mainstem Sacramento River are no longer made owing to the permanent removal of the Red Bluff Diversion Dam gates in 2012. 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. Since 2005, 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.

### Sacramento River Late-Fall Chinook

Late-fall Chinook spawning escapement in 2014 was estimated to be 11,667 adults and 1,383 jacks. These Chinook returned primarily to the Coleman National Fish Hatchery and the upper Sacramento River. These numbers also include late-fall Chinook that returned to upper Sacramento River tributaries and those captured in the Keswick trap for use as broodstock at Coleman National Fish Hatchery (Appendix B, Tables B-3 provides historical spawner escapement).

### 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 2014 totaled 8,153 jacks and adults in natural areas and 9,622 jacks and adults to hatcheries (Appendix B, Table B-2 provides historical spawner escapements). 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 influenced management of 2014 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. KRFC were managed in accordance with their control rule specifying a maximum adult natural spawner reduction rate of 47.1 percent, resulting in an expected spawner escapement of 40,700 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 92,800 fall Chinook adults, resulting in a spawner escapement of 40,700 adults to natural areas, taking into account projected river fishery impacts of 33,900 adults and returns to basin hatcheries; (2) 50 percent (27,300) of the allowable adult harvest for tribal subsistence and commercial fisheries; (3) 15.1 percent (4,100) of the non-tribal harvest to the Klamath River recreational fishery; and (4) 9.0 percent (approximately 2,100 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 primarily during the summer months to meet the California Coastal Chinook ESA consultation standard of a maximum KRFC age-4 ocean harvest rate of 16.0 percent. The Oregon KMZ had monthly quota fisheries from June through September, and was open without quotas for April and May. The California KMZ was closed except for a September quota fishery. Commercial fishing opportunity north and south of the KMZ was broadly similar to the previous two years (Table I-1).

### *Recreational*

Recreational fisheries were open in the KMZ from May 10 through September 7. 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 5 for the area south of Horse Mountain. These fisheries also extended later into the fall than recreational fisheries in the KMZ. (Table I-3).

### *Inside Harvest*

Yurok and Hoopa tribes shared a federally-reserved right of 50 percent (27,300) of the available harvest surplus of adult Klamath fall Chinook. Tribal adult harvest was 25,913, which was 95 percent of the quota (Appendix B, Tables B-4 and B-5). The State of California managed the river recreational fishery under a 4,100 adult fall Chinook quota. The estimated recreational fishery harvest was 5,277 adult fish, which was 128 percent of the quota (Table B-4). Harvest estimates for streams outside the Klamath River Basin were not available.

### *Escapement and Management Performance*

In the Oregon portion of the KMZ, the commercial catch in May was well above average and June through August quotas were nearly met. The unused portions of the June and July quotas were transferred to the following month (July and August) on an impact-neutral basis. Commercial catches in September, for both the Oregon and California KMZ, were well below quota levels (Table I-6).

### Threatened California Coastal 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 began in 2000, but were not conducted in 2014 because a new counting facility was under construction. A sonar-derived count was performed on Dry Creek (a tributary to the Russian River) and a video count was made on the Russian River at a site near Healdsburg. The sum of these counts is reported in Appendix B, Table B-7, though the number reported is not comparable to Mirabel Dam counts from previous years and should be considered a minimum value.

The 2014 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 estimate of the 2014 KRFC age-4 ocean harvest rate is not available.

### Klamath River Fall Chinook

The 2014 preliminary postseason river run size estimate for KRFC was 160,444 adults compared to the preseason-predicted ocean escapement (river run size) of 92,800. The escapement to natural spawning areas was 95,330 adults, which was 234 percent of the 40,700 adult preseason prediction. The estimated hatchery return was 31,276 adults. Jack returns to the Klamath Basin totaled 22,348, including 17,269 that escaped to natural spawning areas. 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 27,538 adults. The Shasta River has historically been the most important Chinook salmon spawning stream in the upper Klamath River, supporting a spawning escapement of 27,600 adults as recently as 2012 and 63,700 in 1935. The escapement in 2014 to the Shasta River was 14,412 adults. Escapement to the Salmon and Scott Rivers was 10,419 and 2,706 adults, respectively (Appendix B, Table B-6).

Under the terms of Amendment 16 to the salmon FMP, KRFC are considered to be overfished when the 3-year geometric mean spawning escapement falls below the minimum stock size threshold (MSST) of 30,525 natural area adult spawners. The geometric mean of adult spawning escapement in natural areas for years 2012-2014 is 88,170 and therefore KRFC are not overfished (Table II-6).

KRFC are considered to have been subject to overfishing if the estimated exploitation rate exceeds their maximum fishing mortality threshold (MFMT) of 0.71. An estimate of the 2014 KRFC exploitation rate is not yet available. However, fisheries in 2013 resulted in an exploitation rate of 0.64, which is lower than the MFMT. Therefore, overfishing did not occur in 2013 (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, impacts on these stocks from Council-area fisheries have not significantly affected achievement of management objectives in recent years.

Oregon State waters terminal area fisheries in 2014 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 some 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 2014 fisheries, conservative regulations were adopted with the intention of reducing impacts on some of these stocks. Complete estimates of the 2014 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 two fall terminal area commercial fisheries was 941 Chinook.

Under the 2014 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 2014. ODFW is developing alternate methodologies for establishing escapement goals for Oregon coastal Chinook stocks, including fall Chinook PSC indicator stocks. ODFW recently completed this for the South/Local stocks. The Council approved the new methodology and adopted new management goals for South/Local stocks during the 2014 Methodology Review for use beginning in 2015.

### North Migrating Chinook

Index counts of adult spawners (peak count per index mile) were conducted for eight of the nine standard streams and used to measure natural spawner escapement trends for north-migrating fall Chinook in 2014. Data have been collected since about 1950 for most systems. Overall peak Chinook adult index spawner counts in 2014 were preliminarily estimated at 156 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 2012, 2013, and 2014 was 163 fish per mile, which exceeded both the MSST (30) and the MSY spawner escapement level. Estimates of exploitation rates were not available for 2013 or 2014, but earlier fisheries resulted in 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 2014 were preliminarily estimated at 32 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). Passage estimates of naturally produced fall Chinook at Huntley Park in the lower Rogue River are presented in Table B-10.

Two trend indicators of escapement for naturally produced spring Chinook are 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 recent years, 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 (Figures II-3 and II-4).

The geometric mean of south/local migrating Oregon Coast Chinook adult escapement in 2012, 2013, and 2014 was 31 fish per mile, which exceeded the MSST (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 in April 1992; (2) Snake River spring/summer listed as threatened in April 1992; (3) upper Columbia River spring listed as endangered in March 1999; (4) LCR Chinook listed as threatened in March 1999; and (5) upper Willamette River spring listed as threatened in 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 inriver 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 2014 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 41.0 percent. 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 33,400. 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. The 2014 combined abundance of URB, Fraser River origin, and other stocks contributing to the southeast Alaska and British Columbia AABM fisheries and the corresponding allowable catch were higher than that in 2013. The 2014 preseason forecast of Columbia River stocks were greater than that in 2013.

The 2014 overall non-Indian Chinook total allowable catch (TAC) for North of Cape Falcon was 116,000 including a coastwide 9,000 mark-selective Chinook quota for a portion of the recreational fishery (non-mark-selective equivalent of 111,500). These compare to a 2013 non-Indian TAC of 92,000, including a coastwide 8,000 mark-selective Chinook quota for a portion of the recreational fishery; the equivalent non-mark-selective TAC was 88,000. The 2014 overall TAC was divided into 56,900 commercial and 59,100 recreational (non-mark-selective equivalent of 54,600). The treaty Indian ocean troll TAC was 62,500

Chinook, and is applicable to the May-September period. This compares to a 2013 treaty Indian TAC of 52,500. 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, and later close the area north of the Queets River toward the end of the season to ensure the quota of 29,300 Chinook was not exceeded and limit impacts on Puget Sound Chinook.

The non-Indian commercial all-salmon fishery was scheduled for July 1 through September 17 with preseason quotas of 14,700 Chinook and 14,220 marked coho. The fishery was open Friday through Tuesday most weeks with various landing and possession limits for each open period. Chinook sub-quotas of no more than 12,200 in the spring and 8,750 in the summer were applied to the area between the U.S./Canada border and the Queets River; a coho sub-quota of no more than 5,040 was also applied to the area between the U.S./Canada border and the Queets River during the all-salmon fishery.

### *Recreational*

In the area between the U.S./Canada Border and Cape Falcon, an area-wide mark-selective Chinook fishery was adopted; starting and ending dates differed between subareas, opening on May 16 in the Neah Bay and La Push subareas and on May 31 in the Westport and Columbia River subareas. The fishery was open for a total of 18 days in the northern subareas and 14 days in the southern subareas and operated under a coastwide quota of 9,000 marked Chinook. The all-salmon recreational fisheries in the subareas between the U.S./Canada Border and Cape Falcon opened on June 14, and operated under regulations similar to recent years. Chinook guidelines and coho subarea quotas are increased compared with 2013. No Area 4B add-on fishery was scheduled in 2014. For the north and central Oregon coast south of Cape Falcon, the Chinook fishery opened March 15 and continued uninterrupted through October.

### *Treaty Indian Ocean Harvest*

The adopted management measures were generally similar in structure to recent years. Chinook and coho quotas were increased due to an increased abundance of Columbia River hatchery Chinook and higher abundance of OPI hatchery coho and the less restrictive standard for LCN coho specified in the NMFS guidance for 2014. The Treaty Indian troll fishery opened on May 1 with a Chinook only fishery and continued through June 30 with a 31,250 sub-quota. The all-salmon fishery was open July 1 through September 15 with a sub-quota of 31,250 Chinook and 57,500 coho.

### *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 8,000 SRW fall Chinook, the allowable URB impact rate would be 45.0 percent. NMFS used the URB impact rate as a proxy in the SRW consultation standard.

In 2014, the fall fisheries were managed to achieve the NMFS ESA consultation standards for threatened LCR natural tule and SRW Chinook, and the 2014 URB and SRW preseason forecast run sizes were both large enough to allow a 45.0 percent harvest rate in inriver fisheries.

Within the ESA limitations there were harvestable numbers of salmon available for all major stocks in 2014. 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 59,307 spring, 2,838 summer, and 105,210 fall Chinook, which included 4,643 spring, 45 summer, and 19,180 fall Chinook in Select Area (terminal) fisheries. The preliminary catch estimates (adults) for the treaty Indian fisheries were 24,703 spring, 19,389 summer, and 266,462 fall Chinook. The preliminary catch estimate (adults) for the recreational fisheries included 27,680 fall Chinook in the Buoy 10 fishery, and 16,272 spring, 2,358 summer, and 44,880 fall Chinook in mainstem fisheries below Bonneville Dam, 3,581 spring Chinook in mainstem fisheries above Bonneville Dam, and 41,590 fall Chinook above Bonneville Dam which include 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; 78,304 summer, 113,930 LRH; 33,400 LRW; 98,800 SCH; 860,090 URB; 351,430 MCB; and 14,172 SRW. The total ocean escapement of the five fall stocks was 1,468,970 fall Chinook (Figure II-5). The estimated escapement for summer Chinook in 2014 was 77,982, exceeding the MSY spawner escapement objective of 12,143 adults established under FMP Amendment 16. The preliminary estimated natural area escapement (Hanford Reach, Yakima River, and above Priest Rapids Dam) for URB Chinook in 2014 was 346,000 exceeding the MSY spawner escapement level of 39,625 adults established under FMP Amendment 16.

The preliminary 2014 URB inriver harvest rate estimate was 45.9 percent. The total adult SRW, hatchery, and supplementation fall Chinook count at Lower Granite Dam in 2014 was 60,687, up from 56,565 in 2013. Estimates of SRW and supplementation fall Chinook spawning escapement in 2014 were not available. The eight-year mean of SRW natural origin spawners through 2013 was 4,867 fish.

Postseason estimates of exploitation rate on LCR natural tule 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.

The geometric mean of Columbia upper river summer Chinook adult escapement in 2012, 2013 and 2014 was 65,286, which exceeded the MSST threshold (6,072); therefore, Columbia upper river summer Chinook should not be considered overfished (Table II-6). Estimates of combined ocean and inriver exploitation rates were not available for 2013 and 2014, but the 2012 exploitation rate of 0.54 was lower than the MFMT (0.75); therefore, Columbia upper river summer Chinook experienced overfishing in 2012 (Table II-6).

The geometric mean of Columbia URB fall Chinook adult escapement in 2012, 2013, and 2014 was 465,286, which exceeded the MSST threshold (19,182); therefore, Columbia URB fall Chinook should not be considered overfished (Table II-6). Estimates of combined ocean and inriver exploitation rates were not available for 2013 and 2014, 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 Quinault 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 preseason 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 2014.

## 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. 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 2014 but there was an 84-hour marked Chinook-directed fishery in early August 2014. 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 includes 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 2014 pre-season forecast of Chinook returning to Willapa Bay was 32,438 fish (3,112 natural and 29,326 hatchery). There were five 12-hour and five 24-hour marked Chinook-directed non-Indian gillnet fisheries beginning September 8 through September 21. Retention of unmarked Chinook was prohibited. Total Chinook harvest in the non-Indian gillnet fisheries during 2014 was 15,440 fish, based on preliminary data.

Recreational fisheries in the marine waters of Willapa Bay were open from May 31, 2014 through July 31, 2014, concurrent with the Ocean Marine Area 2 (ocean rules applied). From August 1, 2014 through January 31, 2015, 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 unmarked Chinook was prohibited. Anglers were allowed to fish with two poles if they had a Two-Pole Endorsement.

Recreational salmon fisheries in tributaries to Willapa Bay varied in duration but were generally open August 1 through January 31, 2015. Retention of unmarked Chinook was prohibited. Single-point, barbless hooks were required in all areas except Naselle, South Fork Willapa, and Bear rivers where only barbless hooks were required. Recreational harvest estimates for 2014 were not available.

#### Escapement and Management Performance

During 2013, Chinook returning to hatcheries in the Willapa Bay watershed totaled 14,527 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 2014.

An estimate of the 2014 natural spawning escapement was not available; the 2013 natural escapement was 1,904 Chinook, below the FMP objective of 3,393.

The geometric mean of Willapa fall Chinook adult escapement in 2011, 2012, and 2013 was 2,687, which exceeded the MSST (1,696); therefore, Willapa Bay fall Chinook should not be considered overfished (Table II-6). Exploitation rate estimates were not available for 2013 and 2014. 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 MFMT for Willapa Bay fall Chinook is 0.78. In 2010, 2011 and 2012, the Willapa Bay fall Chinook exploitation rates, using Queets stock as a surrogate, were 0.61, 0.64 and 0.79, respectively; therefore, in 2012 Willapa Bay fall Chinook were 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 2014. Mesh restrictions were imposed to allow targeting of spring/summer Chinook and white sturgeon. Fourteen spring Chinook were reported in the harvest during these fisheries.

The non-Indian recreational season allowed a modified spring Chinook fishery in the Chehalis River during the spring Chinook management period. The non-Indian recreational season was open for the retention of one Chinook per day from May 1 through June 30 in the mainstem Chehalis River. Preliminary catch data are not available for the 2014 fishery, however, preliminary data indicate that 148 Chinook were harvested during this fishery scheduled in 2013. The report on harvest of spring Chinook by the Chehalis Tribe fishery is not available at this time. No summer non-Indian gillnet fishery directed at non-local Chinook stocks occurred in 2014.

The Quinault Indian Nation conducted a fall gillnet fishery harvesting a total of 5,094 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 catch 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 4,102 Chinook, which was about 72 percent of what was

expected. The Humptulips area treaty Indian fishery reported harvest was only about 46 percent of what was expected. A total of 992 Chinook were caught in the Humptulips fishing areas. The combined Grays Harbor treaty Indian Chinook catch was 52 percent of what was expected.

The non-Indian gillnet fishery in Humptulips commercial Area 2-C was open for four days in late October and November. Retention of all fall Chinook, hatchery-origin coho, and chum was allowed. No harvest was reported during this fishery. The non-Indian gillnet fishery in the Chehalis River commercial Areas 2A and 2D was open for four 8-hour and five 12-hour periods in late October through mid-November. During these fisheries, all areas of 2D were open. During all fisheries live boxes were required, and wild Chinook could not be retained. A total of 15 hatchery-origin Chinook were harvested during this fishery, 25 percent less than expected. There were another 57 Chinook mortalities associated with release requirements during the non-Indian gillnet fishery.

A recreational fishery in the northern portion of Marine Area 2-2, Commercial Area 2C, was open from August 16 through August 31. During this time 2 adult salmon could be retained, of which one could be a Chinook and wild coho must be released. From September 16 through November 30, the portion of Marine Area 2-2 east of a line from the mouth of Johns River to Brackenridge Bluff Tripod was open for the retention of up to 3 adult salmon per day. During this time only coho and chum could be retained.

The spring/summer recreational fishery in the Chehalis River was open to the retention of one Chinook per day from May 1 to the end of June. This fishery was allowed only in the mainstem Chehalis River from the mouth up to the Hwy 6 Bridge near the town of Adna. The fall recreational fishery in the mainstem Chehalis River from the mouth to the confluence with the Black River was open August 16 through November 30 allowing the retention of jack Chinook along with 3 adult salmon, however adult Chinook were required to be released. This same fishery was open from September 16 through November 30 in the mainstem Chehalis River from the confluence with Black River upstream to the Hwy 6 Bridge near the town of Adna. A recreational mark-selective Chinook fishery was open on the Satsop River from September 16 through the end of November. This fishery was limited to the Satsop mainstem from the mouth upstream of the bridge at Schafer Park. In the fall recreational Humptulips River fishery from the mouth to confluence of the East and West forks, a daily limit of 3 adults, of which only one could be a Chinook, was allowed from September 1 through October 31. From November 1 through January 31, all Chinook were required to be released. Recreational harvest estimates were not available at this time.

### Escapement and Management Performance

Chehalis River spring Chinook are of natural origin and managed for an escapement goal of 1,400 adults. The 2014 terminal run forecast for spring Chinook was 3,024 adult fish. The preliminary escapement estimate for 2014 spring Chinook is 1,583 fish.

Grays Harbor fall Chinook were managed for a natural spawning escapement goal of 13,500 adults. The 2014 Grays Harbor fall Chinook forecast was 23,835 natural and 2,232 hatchery adults. The return of hatchery-origin fall Chinook to Grays Harbor hatchery programs were sufficient to provide for 2014 fall Chinook production goals. The preliminary natural spawning escapement estimate for 2014 is 12,400. The 2013 spawning ground escapement estimate for the Grays Harbor was, 12,582 natural-origin fish and 701 hatchery-origin fish. The 2013 natural escapement to the Chehalis River was 9,500 and to the Humptulips River it was 3,082.

### *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 21 spring/summer Chinook in 2014 primarily during its sockeye directed fishery.

The 2014 harvest of Quinault River fall Chinook was mostly hatchery-origin fish taken in September and October. The treaty Indian net catch totaled 12,349 fall Chinook.

#### Escapement and Management Performance

Quinault fall Chinook were managed for hatchery production. The 2014 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. The 2013 natural spawner escapement estimate was 3,048.

### *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 2014 treaty Indian gillnet harvest of spring/summer Chinook remained closed during the spring/summer period into August when a fishery was opened the last two weeks of August to target early entering hatchery coho. The non-Indian inriver recreational fishery was closed to retention of Chinook. Up to 75 early Chinook were taken in this latter August opening.

Fall Chinook were harvested from September 1 through week 41, the week of October 11th, with additional fishing scheduled at three days during week 43 with large mesh in order to take remaining available chinook. Fishing resumed in week 47 with normal mesh sizes. During the last week of August when early hatchery coho were targeted it is estimated a total of 10 fall chinook were taken. The treaty Indian fishery was structured to target hatchery coho up to week 41, while closing week 42 to limit wild coho harvest then targeting remaining harvestable Chinook in week 43 with a large mesh restriction to achieve a total tribal plus non-tribal harvest rate of 40 percent. The treaty Indian gillnet fishery harvested 1,182 fall Chinook in the commercial fishery compared to a preseason expected catch of 1,356. 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 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 2014 recreational salmon fisheries were not available.

#### Escapement and Management Performance

The 2014 spawning escapement estimate for Queets River spring/summer Chinook was 377 adults, about 47 percent below the MSY spawner escapement goal of 700.

The geometric mean of Queets River spring/summer Chinook adult spawning escapement in 2012, 2013, and 2014 was 530, which is above the MSST (350); therefore, Queets River fall Chinook should not be considered overfished (Table II-6). Estimates of exploitation rates for 2013 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 2014, Queets River fall Chinook spawner survey estimate is not available. The indicator Chinook originate from wild brood stock taken each year in the river. The spawning escapement estimate for 2013 Queets River fall Chinook was 2,413 with an additional 124 wild Chinook taken for broodstock.

The geometric mean of Queets River fall Chinook adult spawning escapement in 2011, 2012, and 2013 was 3,178, which exceeded the MSST (1,250); therefore, Queets River fall Chinook should not be considered overfished (Table II-6). Estimates of exploitation rates were not available for 2013, but estimates from 2010, 2011, and 2012 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 2014 Hoh River spring/summer Chinook terminal abundance forecast was 876 fish, 24 fish below the escapement goal floor of 900. The treaty Indian gillnet fishery occurred between the weeks of April 29 and June 17, and was scheduled for one day per week in statistical weeks 18-25. Commercial salmon fishing was closed in weeks 26-35. Preseason targeted harvest rate (including ceremonial and subsistence catch), was 5.8 percent of the forecasted run. Tribal regulation in 2014 required a minimum of an 8-inch stretch mesh during the first four weeks in order to minimize incidental take of steelhead kelts. The Treaty Indian commercial gillnet fishery harvested 331 Spring Chinook. Results of mark sampling and scales indicated that 264 of these were of hatchery origin and 67 of natural origin. An additional 20 hatchery and 8 native wild Chinook were harvested by the Hoh Tribe for Ceremonial and Subsistence purposes.

The non-Indian recreational fishery was closed May 16 through August 31.

Hoh River fisheries for fall Chinook were based on an expected terminal run size of 2,448 adults, allowing for a terminal harvest rate of 36.2 percent. The spawning escapement was expected to be 1,469 adults.

The treaty Indian fishery targeted 23.96 percent of the terminal run. The treaty Indian gillnet fishery was closed in week 37 due to a Hoh Tribal Fishing Committee decision necessitated by extreme low-water conditions. The gillnet fishery was scheduled for one day per week during weeks 36, 38-40 and 45-47 and two days per week in weeks 41 and 43 and three days per week in weeks 42 and 49-52. The Hoh treaty commercial fishery caught approximately 541 wild Chinook, with a pre-season expected catch of 586, an estimated 10 Chinook were harvested for Ceremonial and Subsistence purposes. Results of marked Chinook catch was not available for the Hoh treaty commercial fishery.

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. The sport fishery harvest of wild Chinook was not available.

#### Escapement and Management Performance

The 2014 preliminary spawning escapement for Hoh River spring/summer Chinook is 744. The geometric mean of Hoh River spring/summer Chinook spawner escapement in 2012, 2013, and 2014 was 799, which exceeded the MSST (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 lack of ocean harvest data, it is difficult to assess the extent to which Hoh River spring/summer Chinook were subject to overfishing in SUS fisheries in recent years (Table II-6). The population remains in decline with spawning escapement at or below the floor eight of the past nine years. The declining abundance is constraining to the Hoh Tribal Treaty In-River Fishery.

The preliminary 2014 spawning escapement estimate for Hoh River fall Chinook is not available at this time. The geometric mean of Hoh River fall Chinook adult spawning escapement in 2011, 2012, and 2013 was 828, which exceeded the MSST (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 2013 but earlier estimates were below the MFMT (0.90); given these assumptions, 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 brood stock 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 2014 was 513 spring and 227 summer Chinook. Catch for ceremonial and subsistence use is included in the inriver gillnet harvest numbers. Estimates of 2014 recreational spring and summer Chinook harvest were unavailable.

The total 2014 Quileute Tribal harvest of fall natural Chinook was 4,122. Fall hatchery Chinook catch was 91. Catch for ceremonial and subsistence use is included in the inriver gillnet harvest numbers. An estimate of the 2014 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 2014 management agreement called for an escapement goal of 200 hatchery spring Chinook. The actual rack return was 342, which exceeded hatchery requirements.

The summer Chinook run was managed to achieve an MSY spawner escapement of 1,200 adults, jacks, and brood stock collection combined. The preliminary estimated natural spawning summer Chinook escapement of 547 was under the escapement goal.

The geometric mean of Quillayute River summer Chinook spawner escapement in 2012, 2013, and 2014 was 744, 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 2,766 fall Chinook was below the escapement goal.

The geometric mean of Quillayute River fall Chinook adult spawning escapement in 2012, 2013, and 2014 was 3,434, 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 was used as a proxy. Exploitation rate estimates were not available for 2013, 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. There have been no tribal or recreational fisheries in the Hoko River for Chinook salmon since the early 1980's, although some catch is occasionally reported by anglers on WDFW Catch Record Cards.

#### Escapement and Management Performance

The preliminary 2014 escapement estimate of 1,818 Chinook was well above the MSY spawner escapement goal of 850. Estimates of origin of these spawners (supplemental *vs*. natural were not available when this report was prepared. (Appendix B, Table B-38).

The geometric mean of Hoko River summer/fall Chinook spawner escapement form 2012 through 2014 was 1,405, which exceeds 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 2013 and 2014, but the 2012 exploitation rate was 35 percent, 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*

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 regulations affecting any of these stocks was closing the Cape Flattery Control Zone for the non-Indian commercial troll fishery and holding the non-Indian commercial troll fishery to impacts in Area 3 and Area 4 not to exceed those modeled preseason. 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 2014 was 62,570 Chinook, compared to 113,871 Chinook caught in 2013. The 2014 non-Indian net catch was 4,463 Chinook, compared to 9,189 Chinook caught in 2013. The 2014 treaty Indian net and troll harvest was 58,107 Chinook, compared to 104,682 Chinook caught in 2013.

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 2014 Puget Sound recreational fishery were unavailable.

### *Escapement and Management Performance*

Puget Sound Chinook management goals for fishery planning processes in 2014 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 2014. Preliminary data suggest no Puget Sound spring Chinook natural stocks met their escapement goals. Preliminary information on 2014 natural spawning escapements for summer/fall Chinook stocks indicate escapement goals were met in some areas, but not in many others. Escapement estimates for 2014 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 2014 were met for stocks with available estimates (Table II-5). Information to assess compliance with FMP conservation objectives and ESA consultation standards in 2014 was unavailable for LCR natural tule Chinook, SRW fall Chinook, several Washington coast Chinook stocks, and all Puget Sound natural Chinook stocks.

SRFC and KRFC are managed to meet or exceed annual catch limit spawner abundance ($S_{ACL}$) levels. In 2014, escapement goals for these stocks were equal to the preseason $S_{ACL}$ as a result of large abundance forecasts. It is not yet possible to evaluate spawner escapement estimates for SRFC and KRFC against postseason $S_{ACL}$ values; this evaluation will be made in the Preseason I report.

### *Stock Status Determinations*

In 2011 the Council adopted 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 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. Stock specific reference points and recent year estimates for relevant stocks are presented in Table II-6.

Based on the most recent available data on exploitation rates and spawning escapements, none of the relevant Chinook stocks were overfished. Columbia River upper river summer Chinook, and Grays Harbor and Willapa Bay fall Chinook were all subject to overfishing in 2012. In each case the estimated total exploitation rate exceeded MFMT by 0,01.

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

| | Upper River[a/] | | | Lower River | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|
| Year | Hatchery | Natural[b/] | Subtotal | Hatchery | Natural[b/] | Subtotal | Hatchery | Natural[b/] | Grand Total |
| 1970 | 3,010 | 61,160 | 64,170 | 10,266 | 82,230 | 92,496 | 13,275 | 143,390 | 156,665 |
| 1971 | 1,503 | 67,586 | 69,089 | 11,011 | 74,557 | 85,568 | 12,514 | 142,143 | 154,657 |
| 1972 | 1,188 | 36,485 | 37,673 | 6,766 | 47,647 | 54,413 | 7,954 | 84,132 | 92,086 |
| 1973 | 1,047 | 48,948 | 49,995 | 18,010 | 151,422 | 169,432 | 19,057 | 200,370 | 219,427 |
| 1974 | 1,305 | 66,304 | 67,609 | 11,799 | 121,929 | 133,728 | 13,104 | 188,233 | 201,337 |
| 1975 | 1,823 | 72,985 | 74,808 | 10,781 | 68,565 | 79,346 | 12,605 | 141,550 | 154,155 |
| 1976 | 1,799 | 80,263 | 82,062 | 8,612 | 75,974 | 84,586 | 10,410 | 156,237 | 166,647 |
| 1977 | 4,741 | 60,967 | 65,708 | 14,896 | 82,066 | 96,962 | 19,636 | 143,033 | 162,669 |
| 1978 | 1,090 | 66,991 | 68,081 | 9,937 | 47,303 | 57,240 | 11,027 | 114,294 | 125,321 |
| 1979 | 4,766 | 81,332 | 86,098 | 12,359 | 72,299 | 84,658 | 17,125 | 153,631 | 170,756 |
| 1980 | 8,800 | 45,504 | 54,304 | 14,725 | 71,609 | 86,334 | 23,525 | 117,113 | 140,638 |
| 1981 | 4,438 | 51,831 | 56,269 | 25,115 | 92,129 | 117,244 | 29,553 | 143,960 | 173,513 |
| 1982 | 16,225 | 39,694 | 55,919 | 15,229 | 92,600 | 107,829 | 31,455 | 132,294 | 163,749 |
| 1983 | 5,367 | 42,570 | 47,937 | 12,735 | 48,831 | 61,566 | 18,102 | 91,401 | 109,503 |
| 1984 | 18,668 | 51,772 | 70,440 | 19,873 | 67,733 | 87,606 | 38,541 | 119,505 | 158,046 |
| 1985 | 13,089 | 103,698 | 116,787 | 13,987 | 105,753 | 119,740 | 27,076 | 209,451 | 236,527 |
| 1986 | 11,283 | 113,875 | 125,158 | 12,511 | 102,435 | 114,946 | 23,793 | 216,310 | 240,103 |
| 1987 | 9,981 | 76,861 | 86,842 | 10,291 | 97,931 | 108,222 | 20,273 | 174,792 | 195,065 |
| 1988 | 12,594 | 128,725 | 141,319 | 16,921 | 69,227 | 86,148 | 29,515 | 197,952 | 227,467 |
| 1989 | 10,212 | 67,296 | 77,508 | 15,668 | 59,386 | 75,054 | 25,880 | 126,682 | 152,562 |
| 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 | 66,648 | 87,620 | 32,556 | 133,031 | 165,587 |
| 1995 | 24,810 | 112,235 | 137,045 | 17,017 | 141,251 | 158,268 | 41,827 | 253,486 | 295,313 |
| 1996 | 18,848 | 131,268 | 150,116 | 15,712 | 135,804 | 151,516 | 34,561 | 267,072 | 301,633 |
| 1997 | 44,590 | 167,353 | 211,943 | 20,651 | 112,247 | 132,898 | 65,241 | 279,600 | 344,841 |
| 1998 | 42,400 | 60,713 | 103,113 | 35,364 | 107,431 | 142,795 | 77,763 | 168,144 | 245,907 |
| 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 | 19,312 | 20,466 | 39,778 | 23,559 | 56,005 | 79,564 | 42,871 | 76,471 | 119,342 |
| 2012 | 77,318 | 67,190 | 144,508 | 44,946 | 95,975 | 140,921 | 122,264 | 163,165 | 285,429 |
| 2013 | 67,822 | 89,409 | 157,231 | 36,858 | 212,111 | 248,969 | 104,680 | 301,520 | 406,200 |
| 2014[d/] | 18,059 | 79,570 | 97,629 | 26,493 | 87,546 | 114,039 | 44,552 | 167,116 | 211,668 |
| 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.

| | Spawning Escapement | | | | Inriver Recreational Catch | | Indian Net Catch | | Non-landed Fishing Mortality | | Inriver Run Size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | 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 | 63% | 1,919 | 3% | 22,259 | 32% | 1,974 | 3% | 70,554 |
| 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 | 22,337 | 46,763 | 69,100 | 68% | 4,147 | 4% | 26,353 | 26% | 2,377 | 2% | 101,977 |
| 2012 | 55,939 | 121,543 | 177,482 | 60% | 13,876 | 5% | 95,386 | 32% | 8,578 | 3% | 295,322 |
| 2013 | 17,148 | 59,156 | 76,304 | 46% | 19,800 | 12% | 63,036 | 38% | 5,885 | 4% | 165,025 |
| 2014[b/] | 31,276 | 95,330 | 126,606 | 79% | 5,277 | 3% | 25,913 | 16% | 2,361 | 1% | 160,444 [c/] |
| Goal | | ≥40,700[d/e/] | | | | | | | | | |

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/ Total inriver run includes 299 fish (adults and jacks) collected from the Klamath River by the Yurok Tribe to test for the presence of the parasite Ichthyophthirius multifiliis.

d/ 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.

e/ Annual escapement goals may be more or less than $S_{MSY}$ in some years due to meeting $S_{ACL}$ requirements and de minimis fishing provisions.

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

| | Return to Facilities | | | | |
|---|---|---|---|---|---|
| | Public Hatchery[a/] | | Private | Estuary and Freshwater Harvest[b/] | |
| Year | Spring | Fall | All | Spring | Fall |
| | | | **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 | - | 5.8 | 18.3 |
| 2009 | 7.2 | 4.2 | - | 9.2 | 26.5 |
| 2010 | 10.9 | 5.0 | - | 15.6 | 44.1 |
| 2011 | 7.8 | 4.0 | - | 16.0 | 63.0 |
| 2012 | 13.5 | 6.0 | - | 18.8 | 51.4 |
| 2013 | 13.2 | 7.5 | - | NA | NA |
| 2014[c/] | 13.6 | 7.4 | - | 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/]

| | Fall Chinook Spawner Indices | | South/local Migrating Spring Chinook Spawner Indices | |
|---|---|---|---|---|
| Year | North Migrating Peak Count Adults Per Mile | Rogue River (South/local migrating) Adult Carcass Counts | Rogue River 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 | 109 | d/ | 10[e/] | 9 |
| 2012 | 146 | d/ | 14[e/] | 8 |
| 2013 | 189 | d/ | 12.1[e/] | 7 |
| 2014[c/] | 156 | d/ | 5.6[e/] | 5 |
| 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 2014 preseason conservation objectives (preliminary data). (Page 1 of 2)

| System and Stock | 2014 Conservation Objective(s) | Achievement |
|---|---|---|
| **Sacramento River Chinook** | | |
| Fall | 122,000-180,000 natural and hatchery adults. | Preliminary estimate of 211,668 natural and hatchery adult fall Chinook, well above the upper end of the escapement goal range. |
| Winter (Endangered) | Age-3 impact rate for the area south of Point Arena, CA no greater than 15.4% (NMFS ESA consultation standard). | Preseason projection of 15.4%; no postseason estimate was available at time of printing. |
| Spring (Threatened) | Same objective as for winter Chinook. | See winter Chinook achievement. |
| **California North Coast Chinook** | | |
| Klamath River Fall | Minimum escapement of 40,700 natural area adult spawners. | Preliminary estimate of 95,330 is well above the conservation 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 at time of printing. |
| **Oregon Coast Chinook** | | |
| North Migrating Stocks<br>South/Local Migrating Stocks | 150,000-200,000 natural adult spawners (equivalent to peak spawner index counts of 60-90 adults per mile). | 156 natural adult spawners per mile, above the upper 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. | Preliminary estimate of 26,320, well above 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 41.0%. | Preseason projection of 41.0%. No postseason estimate was available. |
| LRH | 12,600 adult hatchery spawners. | 41,220 adult hatchery spawners, well above the goal. |
| SCH | 7,000 adult hatchery spawners. | 19,910 adult hatchery spawners, well above the goal. |
| MCB | No FMP objective; target of 7,750 hatchery adults. | 106,760 adult hatchery spawners, well above the goal. |
| URB | 40-45,000 natural and hatchery adults above McNary Dam, plus meet treaty Indian obligations. *U.S. v. Oregon* parties agreed to 60,000 in 2011. | 410,786 natural and hatchery adults over McNary Dam, well over the MSY target in FMP. |

TABLE II-5. Performance of Chinook salmon stocks in relation to 2014 preseason conservation objectives (preliminary data). (Page 2 of 2)

| System and Stock | 2014 Conservation Objective(s) | Achievement |
|---|---|---|
| **Columbia River Basin Fall Chinook (continued)** | | |
| Snake River Fall Chinook (Threatened; component of URB) | SRFI ≤0.700 for all ocean fisheries combined (i.e., no less than a 30.0% reduction from the 1988-1993 base period exploitation rate). | Preseason SRFI projection of 0.478. Postseason estimate was not available. |
| **Washington Coastal Chinook** | | |
| Fall | Natural spawner escapement objectives as provided in state-tribal agreements; meet hatchery egg-take goals and meet treaty Indian obligations. | Based on preliminary estimates, objectives were met. Willapa Bay and Garys Harbor fall estimates were not available. |
| Spring/Summer | Natural spawner escapement objectives as provided in state-tribal agreements; meet hatchery egg-take goals and meet treaty Indian obligations. | Based on preliminary estimates, objectives were met. Grays Harbor spring estimates were not available. |
| **Puget Sound Chinook** | | |
| (Threatened) | Minor part of Washington ocean harvest; Council ocean management not directed at these stocks. Adult equivalent exploitation rate standard developed for some stocks: | Postseason estimates were not available. Preseason predictions of adult equivalent exploitation rates and spawner objectives were: |

| | Exploitation Rate | Spawner Esc. | ISBM | Exploitation Rate | Spawner Esc. | ISBM |
|---|---|---|---|---|---|---|
| · Nooksack spring | 7% SUS | - | ≤60% | 6.3% | - | 27% |
| · Skagit summer/fall | 50% Total | - | ≤60% | 42.6% | - | 72% |
| · Skagit spring | 38% Total | - | ≤60% | 32.8% | - | 36% |
| · Stillaguamish summer/fall | 25% Total | - | ≤60% | 18.3% | - | 13% |
| · Snohomish summer/fall | 21% Total | - | ≤60% | 20.3% | - | 19% |
| · Lake Wash. summer/fall | 20% SUS | - | ≤60% | 20.0% | - | 47% |
| · White River spring | 20% total | - | - | 19.3% | - | - |
| · Green River summer/fall | 12% pre-term SUS | 5,800 | ≤60% | 9.6% | 2,700 | 25% |
| · Puyallup summer/fall | 50% Total | | - | 49.5% | - | - |
| · Nisqually summer/fall | 52% Total | - | - | 52.0% | - | - |
| · Skokomish summer/fall | 50% total | - | - | 49.8% | - | - |
| · Mid-Hood Canal fall | 15% pre-term SUS | - | - | 10.6% | - | - |
| · Dungeness spring | 6% SUS | - | - | 2.8% | - | - |
| · Elwha summer/fall | 10% SUS | - | - | 2.4% | - | - |

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).

| | Spawning Escapement | | | | | | | | | Total Exploitation Rate | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chinook Stock | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 3-yr Geo Mean | MSST | $S_{MSY}$ | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | MFMT |
| Sacramento Fall | 40,873 | 124,270 | 119,342 | 285,429 | 406,200 | 211,668 | 290,601 | 91,500 | 122,000 | 0.01 | 0.17 | 0.42 | 0.54 | 0.53 | NA | 0.78 |
| Klamath River Fall | 44,409 | 37,225 | 46,763 | 121,543 | 59,156 | 95,330 | 88,170 | 30,525 | 40,700 | 0.37 | 0.42 | 0.38 | 0.46 | 0.64 | NA | 0.71 |
| Southern Oregon | 66 | 52 | 35 | 39 | 23 | 32 | 31 | 30 fish/mile | 150,000 to 200,000 | NA | NA | NA | NA | NA | NA | 0.78 |
| Central and Northern OR[a/] | 61 | 87 | 109 | 146 | 189 | 156 | 163 | | | 0.68 | 0.69 | 0.60 | 0.65 | NA | NA | 0.78 |
| Upper River Bright - Fall[a/] | 62,428 | 114,230 | 93,510 | 94,925 | 305,445 | 346,000 | 215,673 | 19,182 | 39,625 | 0.69 | 0.43 | 0.60 | 0.54 | NA | NA | 0.86 |
| Upper River - Summer[a/] | 44,295 | 47,220 | 44,432 | 52,184 | 68,380 | 77,982 | 65,286 | 6,072 | 12,143 | 0.48 | 0.55 | 0.62 | **0.76** | NA | NA | 0.75 |
| Willapa Bay - Fall[b/] | 2,345 | 4,499 | 3,805 | 2,677 | 1,904 | NA | 2,687 | 1,696 | 3,393 | 0.60 | 0.61 | 0.64 | **0.79** | NA | NA | 0.78 |
| Grays Harbor Fall[b/] | 8,358 | 16,951 | 20,317 | 11,969 | 12,582 | 12,400 | 12,314 | 5,694 | 11,388 | 0.60 | 0.61 | 0.64 | **0.79** | NA | NA | 0.78 |
| Grays Harbor Spring | 1,132 | 3,495 | 2,563 | 878 | 2,459 | 1,583 | 1,506 | 546 | 1,092 | NA | NA | NA | NA | NA | NA | 0.78 |
| Queets - Fall[a/] | 3,135 | 4,031 | 3,857 | 3,707 | 2,582 | NA | 3,330 | 1,250 | 2,500 | 0.60 | 0.61 | 0.64 | 0.79 | NA | NA | 0.87 |
| Queets - Sp/Su | 495 | 259 | 373 | 760 | 520 | 377 | 530 | 350 | 700 | NA | NA | NA | NA | NA | NA | 0.78 |
| Hoh - Fall[b/] | 2,081 | 2,599 | 1,293 | 1,800 | 1,269 | 1,514 | 1,512 | 600 | 1,200 | 0.60 | 0.61 | 0.64 | 0.79 | NA | NA | 0.90 |
| Hoh Sp/Su | 880 | 828 | 827 | 915 | 750 | 744 | 799 | 450 | 900 | NA | NA | NA | NA | NA | NA | 0.78 |
| Quillayute - Fall[b/] | 3,130 | 4,635 | 3,963 | 3,518 | 4,017 | 2,766 | 3,394 | 1,500 | 3,000 | 0.60 | 0.61 | 0.64 | 0.79 | NA | NA | 0.87 |
| Quillayute - Sp/Su | 555 | 772 | 569 | 729 | 957 | 547 | 725 | 600 | 1,200 | NA | NA | NA | NA | NA | NA | 0.78 |
| Hoko -Su/Fa[a/] | 385 | 793 | 1,504 | 1,086 | 1,406 | 1,818 | 1,405 | 425 | 850 | 0.30 | 0.14 | 0.18 | 0.35 | NA | NA | 0.78 |

a/ CWT based exploitation rates from PSC-CTC 2013 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.

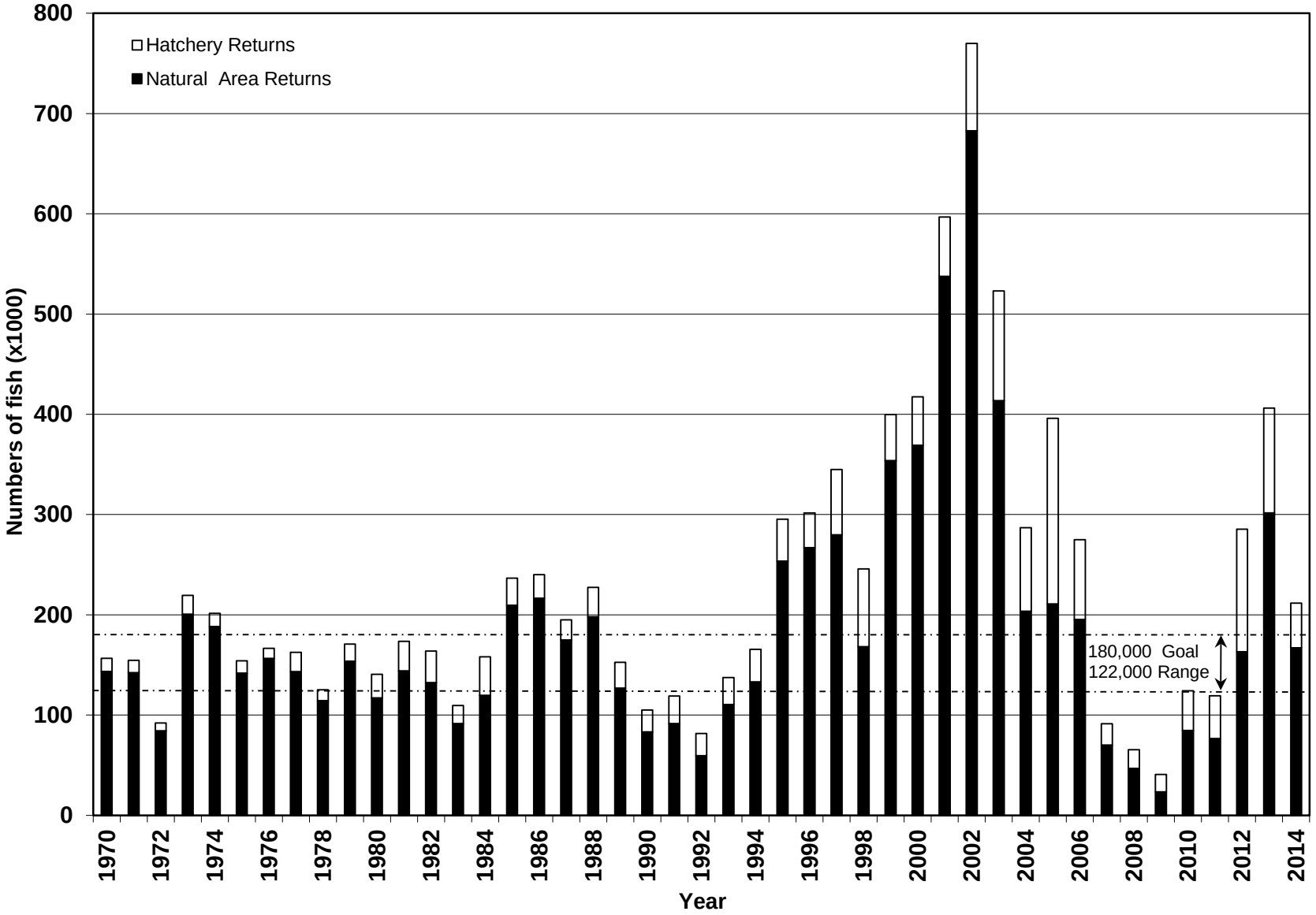



Figure II-1. Sacramento River adult fall Chinook spawning escapement, 1970-2014.

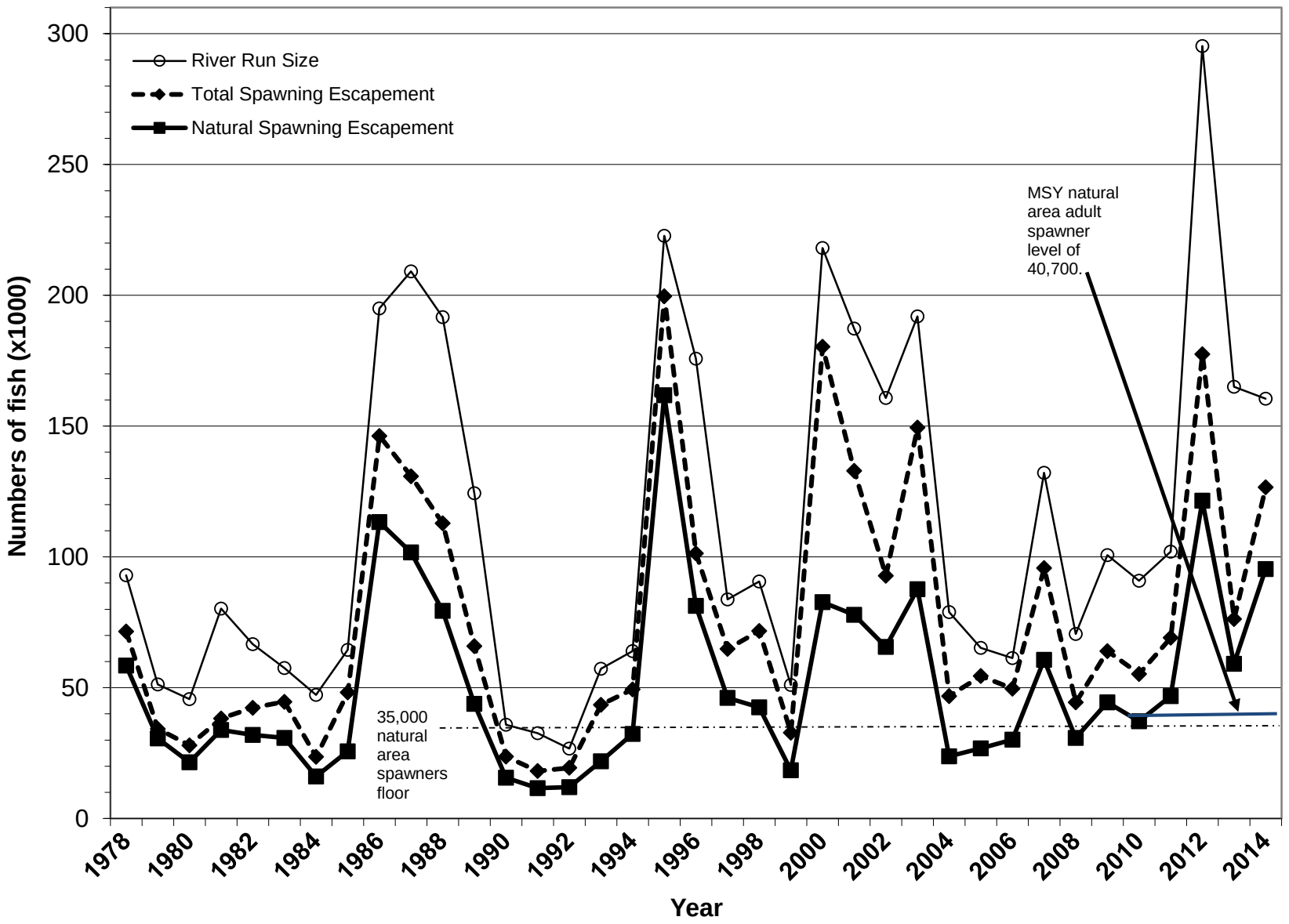



Figure II-2. Klamath River adult fall Chinook returns and spawning escapement, 1978-2014.

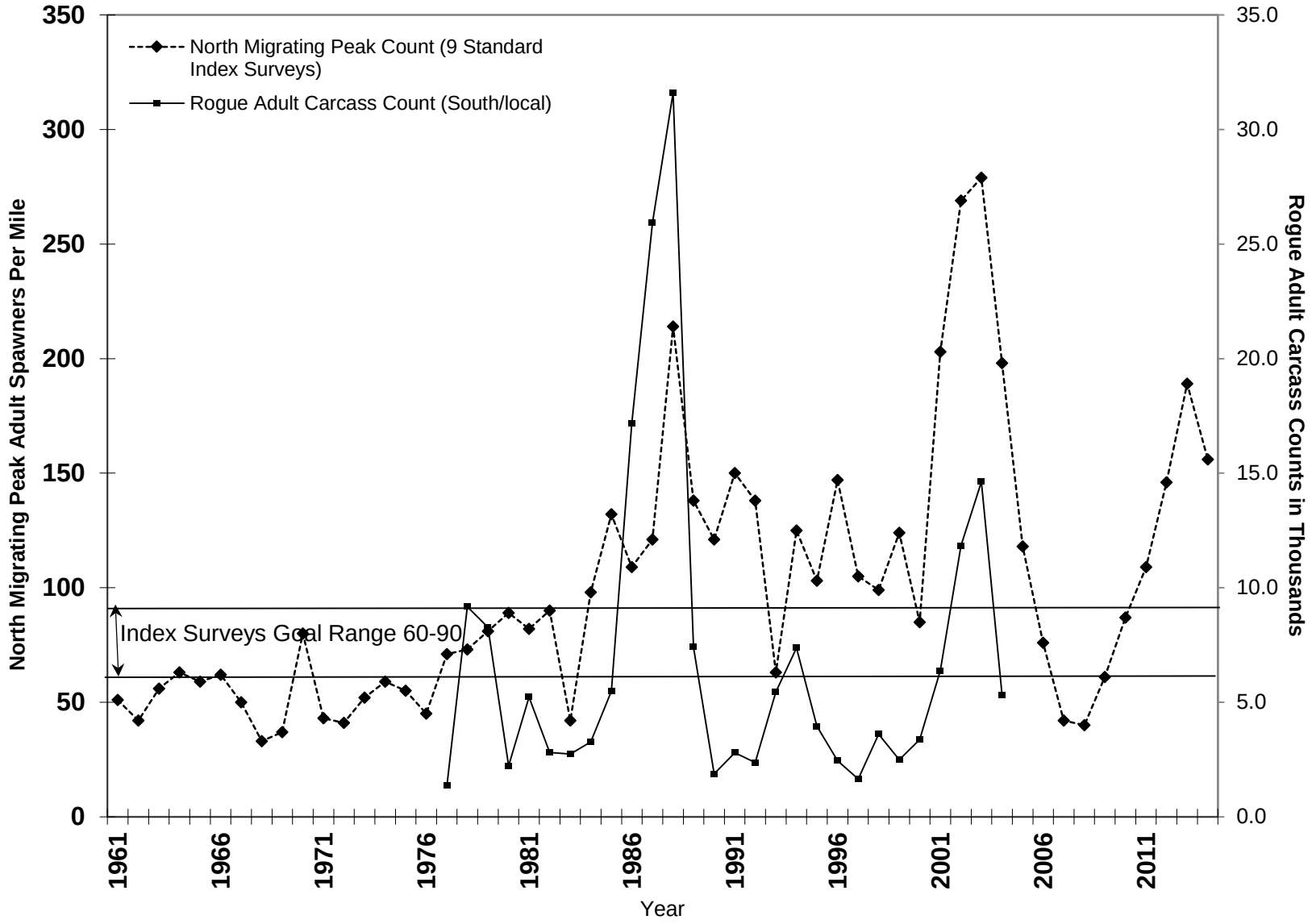



Figure II-3. Spawner indices for naturally produced Oregon coastal fall Chinook, 1961-2014.

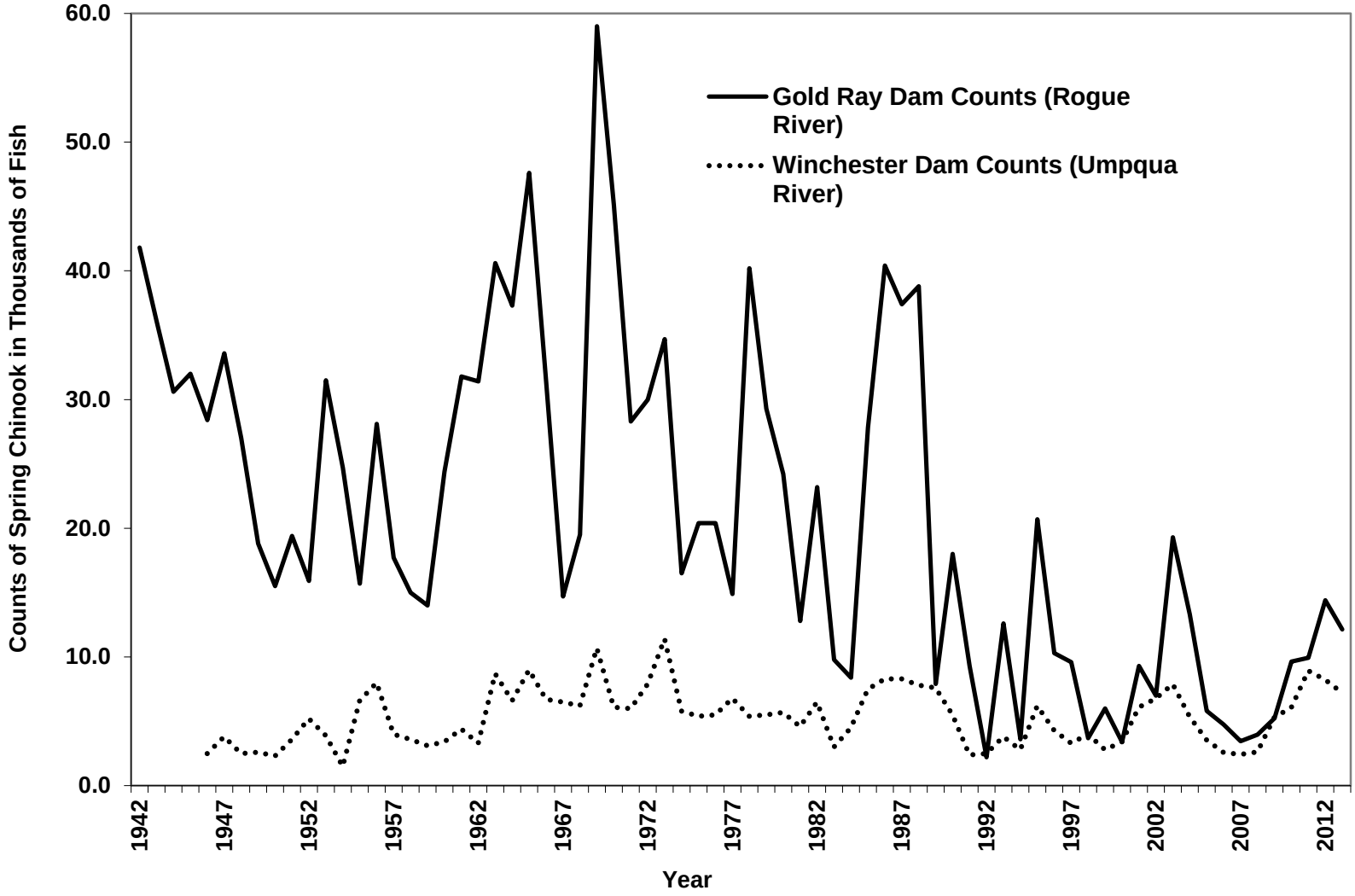



Figure II-4. Escapement indices for naturally produced Oregon coastal south/local migrating spring Chinook, 1942-2014.

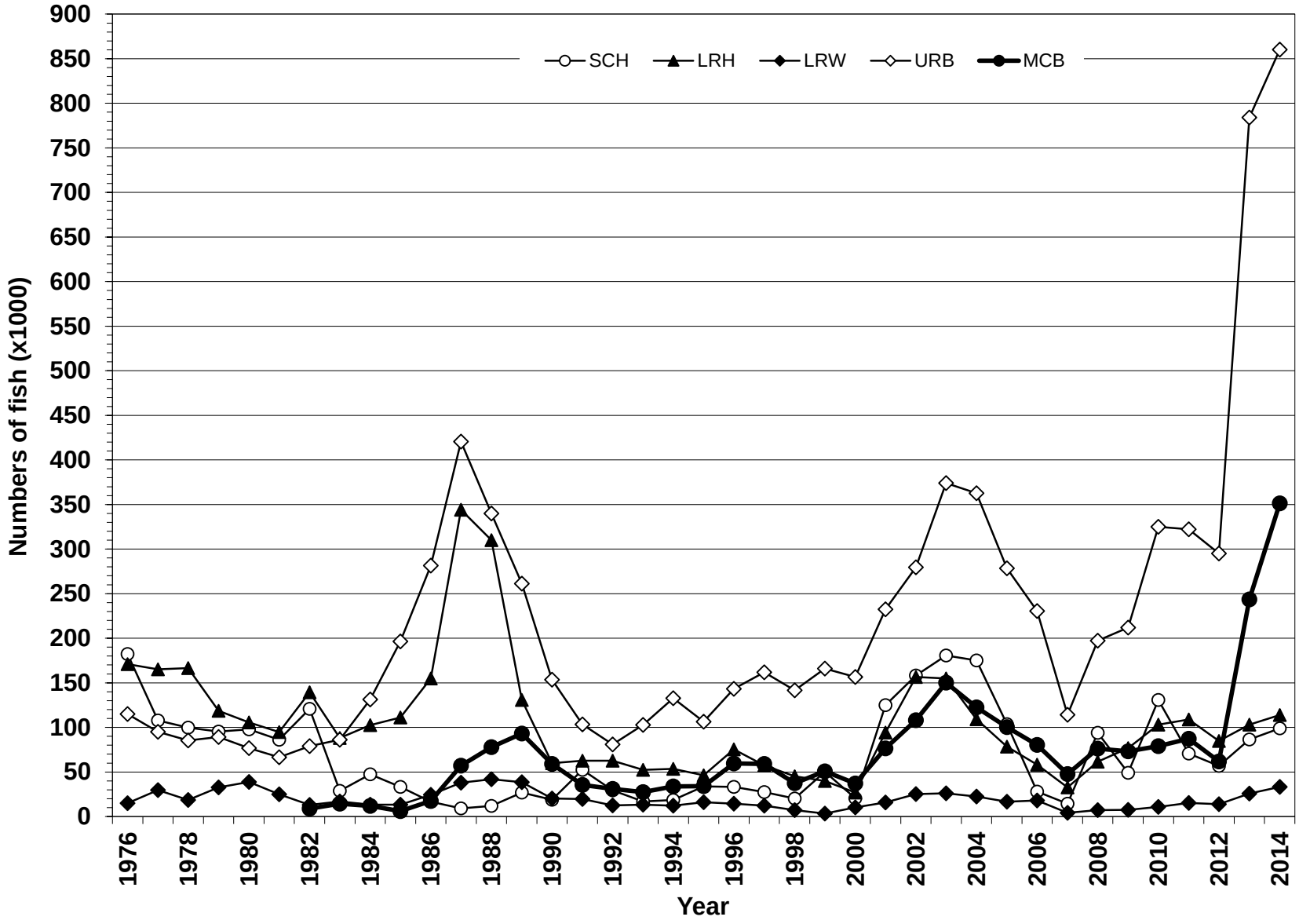



Figure II-5. Columbia River mouth adult returns of the five major fall Chinook stock groups, 1976-2014.

Page Intentionally Left Blank

# 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 2014 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 22.5 percent.

4. Fishery impacts on threatened OCN coho must not exceed a coastwide marine and freshwater exploitation rate of 30.0 percent.

Based on parent escapement levels and the marine survival, the total allowable OCN coho exploitation rate for 2014 fisheries was no greater than 20.0 percent under the Salmon FMP (Amendment 13) and no greater than 30.0 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 6.9 percent for RK coho in marine fisheries, 25.3 percent for OCN coho in marine and freshwater fisheries combined, and 14.4 percent for LCN coho in marine fisheries.

Total allowable harvest set preseason for the non-Indian commercial and recreational fisheries for coho in 2014 was 320,000, a significant increase from the 115,500 quota in 2013. For the treaty Indian fishery, the overall quota of 57,500 coho was an increase from the 47,500 coho quota in 2013. 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. In 2014, a limited non-mark-selective coho retention fishery occurred from Cape Falcon to Humbug Mountain with an overall quota of 35,000 (Table I-1).

Non-Indian commercial troll fisheries from Cape Falcon to the U.S./Canada border in 2014 had an overall quota of 35,200 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 57,500 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. Limited non-mark-selective recreational ocean coho fisheries have occurred in recent years; 2004 between Leadbetter Point and the Queets River and 2011 between Cape Falcon and Humbug Mountain. In 2012 and 2013, non-mark-selective fisheries occurred between the Queets River and Cape Falcon, and between Cape Falcon and Humbug Mountain, and in 2014, non-mark-selective fisheries occurred in all areas from the US-Canada border to Humbug Mountain. 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 2014, after inseason adjustments, the recreational coho fisheries north of Cape Falcon operated with quotas of 19,200 in the Neah Bay subarea (with the remainder on September 1 converted to a non-mark-selective quota of 1,600), 2,400 in the La Push subarea (with the remainder on September 1 converted to a non-mark-selective quota of 1,500), 68,380 in the Westport subarea (with the remainder on September 1 converted to a non-mark-selective quota of 13,750), and 92,400 in the Columbia River subarea (with the remainder on September 6 converted to a non-mark-selective quota of 13,100) (Table I-3). The recreational fishery between Cape Falcon and the Oregon/California border operated with a mark-selective quota of 80,000. After inseason adjustments, a non-mark-selective fishery with a quota of 35,000 occurred in September between Cape Falcon and Humbug Mountain (Table I-3).

### *Inside Harvest*

Coho retention in all California fisheries was prohibited.

The 2014 inside recreational harvest of coho in Oregon coastal streams, as in recent years, was very restricted and generally limited to areas where abundant naturally-produced or hatchery coho returns were

expected. Estimates of the 2014 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 twelve estuaries and three lake systems in 2014. The total catch estimate for these fisheries was 16,690 in the estuaries, 635 in Siltcoos, 128 in Tahkenitch, and 39 in Tenmile lakes.

The 2014 Columbia River non-Indian commercial gillnet fishery harvested 237,300 adult coho (including 18,200 in mark-selective fisheries, compared to 43,400 coho in 2013. Select Area fisheries in both Oregon and Washington accounted for 166,900 of the total 2014 Columbia River commercial coho catch. The Columbia River treaty Indian mainstem commercial gillnet coho catch was approximately 39,200 fish, compared to the 2013 catch of 8,800 coho. Columbia River commercial coho fisheries were primarily 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 57,700 adult coho compared to 7,600 adult coho in 2013. All Columbia River recreational fisheries in 2014 were mark-selective for coho. In 2014 Columbia River managers opened the Buoy 10 fishery August 1 for marked Chinook (or left ventral clipped) and marked coho, with a daily bag limit of two adult salmon only one of which may be a Chinook, except for August 30 through September 1 when Chinook were required to be marked (or left ventral clipped). Coho retention was allowed September 2-30 with a daily bag limit of three marked adult coho. During October 1-2 the fishery was open for marked coho and marked Chinook with a daily bag limit of two adult salmon, only one of which may be a Chinook. From October 3 through December 31 the fishery was open for marked coho and Chinook with a daily bag limit of three adult salmon, no more than two of which may be Chinook. Barbless hooks were required in these fisheries. The upriver boundary for the fishery was at the Tongue Point, Oregon to Rocky Point, Washington line. The 2014 Buoy 10 effort totaled 107,500 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 2014 was 1,673,300 compared to 473,600 in 2013 and to the recent ten-year average of 742,100 (Table III-3; Figure III-1). All Council area coho fisheries complied with quota limits. (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. In 2014, 103 redds were counted and are reported in Table B-7. 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 2014, a total of 2,273 adult coho returned to Trinity River Hatchery and 121 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 2014 to Oregon coastal river and lake systems from the Sixes River north (Oregon coast ESU) was 345,100 adult coho. This compares to 124,400 adults in 2013. Historical spawner escapement estimates of naturally produced coho are reported in Table III-1.

Preliminary information indicates the second highest total natural spawning population on the Oregon coast since 1990, when random sampling protocols went into effect. The total estimate of the natural spawning population in 2014 was 342,100, 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 14.4 percent, less than the preseason projection of 25.3 percent, and below the 30.0 percent maximum allowed under the OCN work group matrix. Preliminary postseason estimates of marine exploitation on RK coho was 4.9 percent, less than the preseason projection of 6.9 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 15,900 adults (Table III-1). Hatchery egg-take goals were expected to be met at all public hatchery stations.

### Columbia River Coho

The 2014 ocean escapement of adult early and late Columbia River coho stocks was 966,700 fish, compared to 242,100 adults in 2013 (Appendix B, Table B-21). The 2014 Columbia River coho abundance was sufficient to meet all hatchery brood stock escapement needs.

Preliminary postseason estimates of marine exploitation on LCN coho was 11.9 percent, less than the preseason projected 14.4 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, Quinault (hatchery), Queets, Hoh, and Quillayute coho. Those stocks contribute primarily to ocean fisheries off Washington and B.C.

### *Management Objectives*

Preseason Management goals in 2014 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 2014.

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 2014 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 and the September recreational coho fishery in all four areas north of Cape Falcon. The nontreaty troll fishery was selective all season except for a non-selective opportunity in September. 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 2014 gillnet coho harvest in Willapa Bay totaled 77,233 fish. Based on the preseason forecast for a terminal run of 81,888 fish, the scheduled commercial fisheries were expected to harvest approximately 28,187 total coho.

From May 31, 2014 through July 31, 2014, Willapa Bay (Marine Area 2-1) was open for recreational fishing concurrent with the Ocean Marine Area 2 (ocean rules applied). From August 1, 2014 through January 31, 2015, Willapa Bay was open to recreational fishing with a daily-bag-limit of six salmon, no more than three adults. Unmarked Chinook retention was prohibited. Barbed hooks were prohibited when fishing for salmon. Anglers were allowed to fish with two poles if they had a Two-Pole Endorsement. Expected harvest in recreational fisheries based on preseason forecast abundance was 6,434 hatchery and wild coho. Marine and freshwater recreational harvest estimates were unavailable for 2014, but for 2013, Marine Area 2-1 and freshwater recreational harvest estimates totaled 4,241 fish.

Freshwater recreational fisheries in the Willapa Bay watersheds varied in duration, but were generally open for salmon fishing from August 1, 2014 through January 31, 2015 with a daily-bag-limit of six salmon and no more than two or three adults. Unmarked Chinook retention was prohibited. Single-point barbless hooks were required in all areas except Naselle, South Fork Willapa, and Bear rivers, where only barbless hooks were required.

#### Escapement and Management Performance

Willapa Bay coho were managed primarily for natural production. Estimates of natural spawning escapement for 2014 were unavailable. The most recent but still preliminary natural escapement estimate available was 20,256 in 2013, which met the WDFW escapement objective of 13,090 natural spawners. Escapement to Willapa Bay hatcheries in 2013 was estimated at 17,169 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 2014 run size forecast for Grays Harbor Coho, after accounting for ocean fishery impacts, was 163,545 fish (105,494 natural and 58,051 hatchery). Treaty Indian and non-Indian gillnet fisheries harvested 79,863 Coho (natural, hatchery, and net-pen origin) as of December 19, 2014. Recreational harvest estimates for 2014 are not available at this time.

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. The Chehalis area Treaty fishery caught 57,009 Coho, while the Humptulips area Treaty fishery catch was 10,058 Coho. The combined Grays Harbor Treaty Coho catch of 67,067 was 141 percent of expected harvest.

The non-Indian gillnet fishery in Humptulips commercial Area 2-C was open for four days in late October and November. Retention of all fall Chinook, hatchery-origin Coho, and Chum was allowed. No harvest was reported during this fishery. The non-Indian gillnet fishery in the Chehalis River commercial Areas 2A and 2D was open for four 8-hour and five 12-hour periods in late October through mid-November. During these fisheries, all areas of 2D were open. During all fisheries live boxes were required, and wild Chinook could not be retained. Total catch for areas 2A and 2D is 5,474 Coho, 2.75 times larger Coho than the forecasted harvest estimate.

Chehalis Tribe Chehalis River mainstem fisheries occurred in the fall of 2014. The total harvest in 2014 as of December 19$^{th}$, 2014 is 7,322. Their fisheries targeting Coho are still on-going. The most recent five-year average (2008 to 2012) of reported Coho harvest during Chehalis Tribe fisheries has been about 1,564 fish.

Estimates of catch in recreational fisheries for 2014 were unavailable; however, fisheries were conducted in three general areas: Marine Area 2.2, the Chehalis River and its tributaries, and the Humptulips River.

A recreational fishery in the northern portion of Marine Area 2-2, Commercial Area 2C, was open from August 16 through August 31. During this time 2 adult salmon could be retained, of which one could be a Chinook and wild Coho must be released. From September 16 through November 30, the portion of Marine Area 2-2 east of a line from the mouth of Johns River to Brackenridge Bluff Tripod was open for the retention of up to 3 adult salmon per day. During this time only Coho and Chum could be retained.

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

- Downstream of the high bridge on Weyerhaeuser 1000 line approximately 400 yards downstream from Roger Creek: September 16 through November 30, 2013 with a daily limit of 6 salmon, up to 3 adults may be retained. December 1, 2013 through January 31, 2014 with a daily limit of 6 salmon, up to 2 adults, with no Chinook, Chum, Coho and only one wild Coho may be 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 the confluence of the East and West forks: September 1 through November 30, 2014: a daily limit of 6 salmon, up to 3 adults may be retained; release wild Coho. From December 1, 2014 through January 31, 2015: a daily limit of 6 salmon, up to 2 adults may be retained, release wild Coho.

#### Escapement and Management Performance

Grays Harbor Coho are managed for natural production with a spawning escapement goal of 35,400. The 2014 terminal run forecast for natural spawning Coho was 105,494 adult fish and 58,051 hatchery-origin Coho. A preliminary escapement estimate for 2013 is 57,055 natural spawning Coho. An estimate for 2014 Grays Harbor Coho was not available. The returns of hatchery-origin Coho to Grays Harbor hatchery programs were sufficient to provide for 2014 Coho production goals. For the last three returns, natural origin escapement was estimated in 2010, 91,073 from which 426 were taken for hatchery brood stock or killed when sampled; in 2011 65,035, from which 453 were taken for hatchery brood stock or killed when sampled and in 2012 65,671 from which 782 were taken for broodstock or killed when sampled, in 2013 natural origin escapement was estimated to be 52,133, from which 240 were taken for broodstock or killed when sampled. For 2014 escapement has not been determined, but 621 natural origin fish were taken for hatchery broodstock.

The geometric mean of Grays Harbor Coho natural origin escapements in 2011, 2012, and 2013 (67,024, 71,039, and 57,055 respectively) is 64,765 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 2013; 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 50,294 coho were harvested by the gillnet fishery during the 2014 season.

#### Escapement and Management Performance

Quinault River coho were managed for hatchery production. Escapement estimates for Quinault River hatchery coho in 2014 was 30,891. The Quinault National Fish Hatchery egg take objectives for 2014 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 abundance estimates and planned Council ocean fisheries. The fishery was structured to target returning hatchery and natural coho while limiting total freshwater Chinook harvest to a maximum rate of 40 percent. The total harvest of coho in the Treaty Indian gillnet fishery was 15,473 commercially-landed fish, which was more than the preseason modeled catch of 8,858. The gillnet harvest was comprised of a mix of early-timed hatchery fish and normal/late-timed natural fish and the harvest of both was substantially more than anticipated. A final estimate of the hatchery/natural mix in the catch is currently unavailable. Coho catch estimates in the treaty Ceremonial and Subsistence fishery are not yet 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 coho allowed for two fish to be retained within Olympic National Park waters below Hartzel boat launch. Estimates of the non-Indian and treaty Indian recreational catches were not available.

### Escapement and Management Performance

The 2014 natural escapement estimate is unavailable. The expected natural coho escapement for 2014 based on preseason modeling was 5,811, with a preseason escapement objective range of 5,800 to 14,500 natural coho. Actual escapement is anticipated to be will above the preseason expectation because actual catches were well above the preseason modeled catches. The 2013 post-season natural coho escapement estimate was 5,684.

The geometric mean of Queets River coho escapement in 2011, 2012, and 2013 was 5,936, 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 2013; 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 2014 terminal run size of Hoh River natural coho was projected to be 7,499. The tribal fishery targeted 31.8 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 Stat Weeks 49-52 of steelhead management), as described in Chapter II under the section labeled Hoh River Chinook. The preliminary tribal commercial fishery harvested approximately 2,500 wild coho, and 150 hatchery-origin coho, with 20 coho retained for ceremonial and subsistence purposes. 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 2014 recreational fishery of wild coho was not available.

### Escapement and Management Performance

The preliminary 2014 spawning escapement estimate for coho in the Hoh River is 3,539. The escapement goal range established for this stock is 2,000 to 5,000. The geometric mean of Hoh River coho escapement in 2011, 2012, and 2013 was 6,933; therefore, Hoh River coho should not be considered overfished. Estimates of Hoh River coho exploitation rates were not available for 2013; 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 preseason agreement between WDFW and the Quileute Tribe. A total of 4,281 (1,265 natural) summer coho were harvested in the Quileute Tribe's commercial, ceremonial, and subsistence fisheries. An estimate of the 2014 recreational catch was unavailable.

Tribal harvest of fall coho in 2014 was 27,427. The Quileute Tribal net fishery harvested 12,991 natural fall coho and 14,436 hatchery fall coho. No fall coho were taken in the ceremonial and subsistence fishery. An estimate of the 2014 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 September. 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 5,085, well above the goal of 300. Natural summer brood stock was not collected for the Sol Duc hatchery. The preliminary estimate for 2014 natural summer coho escapement was 688.

The preliminary 2014 escapement estimate for natural fall coho was 10,356. This was above the MSY spawner escapement objective of 6,300 for this stock. Sol Duc Hatchery collected 15 natural fall coho for integration in their fall coho program.

## 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 U.S. 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 2014. 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 2014, 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 2014, the objectives were as follows:

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

## Regulations to Achieve Objectives

Puget Sound coho stocks did not play a primary role in 2014 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 2014 total Puget Sound commercial catch of coho was 201,389 fish, compared to a catch of 329,070 coho in 2013. Non-Indian harvest was 11,790 coho, compared to 29,577 coho in 2013. Treaty Indian net and troll fisheries harvested 189,599 coho, compared to 299,493 coho in 2013.

Historical coho catches in the Puget Sound recreational fishery beginning in 1971 are listed in Appendix B, Table B-40. Catch estimates for the 2014 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 2014 postseason estimates were available for southern U.S. (SUS) harvest impacts on Puget Sound coho stocks; therefore, the 2014 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 2014 escapement information was not available for natural Puget Sound coho.

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 2011, 2012, and 2013 was 11,721, which was above the MSST of 7,000 identified in FMP Amendment 16 and above the $S_{MSY}$ estimate of 11,000; therefore, Strait of Juan de Fuca coho should be considered rebuilt. Estimates of Strait of Juan de Fuca coho exploitation rates were not available for 2013 or 2014; however,

fisheries in earlier years resulted in 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 2011, 2012, and 2013 was 25,217, 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 2013 or 2014; however, fisheries in 2010 and 2012 resulted in exploitation rates above the MFMT (0.65); therefore, Hood Canal coho were subject to overfishing in those years(Table III-7).

The geometric mean of Skagit coho escapement in 2011, 2012, and 2013 was 71,380, 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 2013 or 2014; 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-7).

The geometric mean of Stillaguamish coho escapement in 2011, 2012, and 2013 was 51,466, 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 2013 or 2014; 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-7).

The geometric mean of Snohomish coho escapement in 2011, 2012, and 2013 was 119,009, 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 2013 or 2014; 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-7).

## 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 the 2014 management process, Interior Fraser coho were designated to be 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 (5.2 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 4.8 percent for inside fisheries on Interior Fraser coho.

## COASTWIDE GOAL ASSESSMENT SUMMARY

Preliminary assessment indicates that ESA consultation standards and FMP Conservation objectives for Council managed coho stocks in effect during the preseason planning process of 2014 were met for all other stocks with available estimates (Table III-6). Information to assess compliance with FMP conservation objectives and ESA consultation standards in 2014 was unavailable for Grays Harbor, and Queets River, and Puget Sound coho stocks.

### *Stock Status Determinations*

The Council adopted 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 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. 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-7. All relevant coho stocks were not overfished. Exploitation rate estimates were not available for coho stocks in 2013. Preliminary estimates suggest that Hood Canal coho were subject to overfishing in 2012; the estimated total fishing mortality rate exceeded MFMT by 0.05.

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

| | Returns to Hatcheries | | | Winchester Dam Count[c/] | Number of OCN Spawners[a/] | | | Inside Harvest | Ocean Escapement to |
|---|---|---|---|---|---|---|---|---|---|
| Year | Private | Public | STEP[b/] | (North Umpqua) | Lakes | Rivers | Total | Impacts[d/] | 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 | 16.8 | 20.9 | 9.5 | 85.3 |
| 1991 | 35.1 | 39.6 | 4.9 | 3.9 | 7.2 | 33.8 | 41.0 | 31.5 | 156.0 |
| 1992 | - | 23.3 | 0.6 | 4.4 | 2.0 | 44.7 | 46.7 | 18.7 | 93.7 |
| 1993 | - | 20.2 | 2.0 | 2.3 | 10.1 | 49.2 | 59.3 | 13.3 | 97.1 |
| 1994 | - | 23.4 | 1.8 | 2.0 | 5.8 | 41.7 | 47.5 | 2.4 | 77.1 |
| 1995 | - | 25.2 | 0.4 | 2.7 | 11.2 | 50.1 | 61.4 | 3.6 | 93.2 |
| 1996 | - | 23.4 | 1.0 | 5.1 | 13.5 | 69.2 | 82.7 | 4.0 | 116.3 |
| 1997 | - | 17.7 | 0.2 | 1.8 | 8.6 | 15.2 | 23.9 | 4.3 | 47.8 |
| 1998 | - | 15.3 | 0.2 | 4.6 | 11.1 | 21.5 | 32.6 | 5.2 | 57.9 |
| 1999 | - | 13.3 | 0.4 | 3.3 | 13.4 | 34.7 | 48.1 | 2.8 | 68.0 |
| 2000 | - | 15.0 | 0.5 | 9.7 | 12.7 | 61.0 | 73.8 | 4.4 | 103.3 |
| 2001 | - | 37.4 | 1.4 | 16.0 | 19.7 | 143.1 | 162.8 | 10.1 | 227.7 |
| 2002 | - | 30.9 | 2.6 | 7.4 | 22.2 | 236.4 | 258.6 | 8.0 | 307.5 |
| 2003 | - | 15.9 | 3.6 | 10.7 | 16.7 | 213.3 | 230.0 | 6.8 | 267.0 |
| 2004 | - | 13.2 | 0.8 | 7.3 | 18.6 | 154.1 | 172.8 | 6.2 | 200.3 |
| 2005 | - | 10.0 | 0.3 | 9.0 | 14.7 | 139.9 | 154.6 | 6.1 | 180.0 |
| 2006 | - | 9.8 | 0.1 | 7.1 | 24.1 | 104.7 | 128.8 | 2.5 | 148.4 |
| 2007 | - | 3.6 | 0.0 | 2.7 | 9.0 | 57.3 | 66.3 | 1.3 | 73.9 |
| 2008 | - | 7.0 | 0.0 | 0.2 | 23.6 | 156.1 | 179.7 | 3.0 | 189.8 |
| 2009 | - | 6.1 | 0.0 | 0.7 | 17.3 | 245.4 | 262.7 | 7.3 | 276.8 |
| 2010 | - | 7.9 | 0.0 | 1.7 | 38.7 | 244.7 | 283.4 | 5.6 | 298.6 |
| 2011 | - | 4.6 | 0.0 | 0.3 | 20.3 | 336.0 | 356.2 | 12.7 | 373.8 |
| 2012 | - | 2.2 | 0.0 | 0.7 | 19.0 | 80.2 | 99.2 | 8.1 | 110.1 |
| 2013 | - | 6.5 | 0.0 | 0.6 | 13.7 | 110.8 | 124.4 | 12.0 | 143.5 |
| 2014[e/] | - | 15.9 | 0.0 | 0.4 | 21.8 | 323.3 | 345.1 | 22.6 | 384.0 |

a/ Does not include estimates for the Rogue River (SONCC ESU). 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 2014 Buoy 10 recreational fisheries (all data are preliminary).[a/]

| Week Number | Ending Date of Period | Angler Trips | Catch[b/] | | Catch Per Trip |
|---|---|---|---|---|---|
| | | | Chinook | Coho | |
| 31 | Aug.-3 | 3,252 | 1,106 | 175 | 0.39 |
| 32 | Aug.-10 | 9,087 | 1,656 | 1,887 | 0.39 |
| 33 | Aug.-17 | 19,271 | 5,686 | 3,373 | 0.47 |
| 34 | Aug.-24 | 29,706 | 8,943 | 7,428 | 0.55 |
| 35 | Aug.-31 | 20,431 | 8,601 | 13,045 | 1.06 |
| 36 | Sept.-7 | 10,961 | 731 | 14,369 | 1.38 |
| 37 | Sept.-14 | 4,265 | 28 | 4,526 | 1.07 |
| 38 | Sept.-21 | 4,530 | 35 | 5,847 | 1.30 |
| 39 | Sept.-28 | 2,165 | 2 | 2,513 | 1.16 |
| 40 | Oct.-5 | 1,804 | 0 | 2,253 | 1.25 |
| 41-44 | Nov.-2 | 2,050 | 0 | 2,328 | 1.14 |
| Total | | 107,522 | 26,788 | 57,744 | 0.79 |

a/ Includes boat-based and shore-based fisheries from the upstream boundary at Tongue Point/Rocky Point line (2000), downstream to Buoy 10 line including Clatsop Spit, South Jetty of the Columbia R., and North Jetty of the Columbia R. after the ocean closed. Fishery opened Aug. 1 for marked Chinook and marked coho, with daily-bag-limit of two adult salmon, only one of which may be a Chinook. Sept. 2-12, Chinook retention not allowed. From Sept. 13-25 fishery open for marked Chinook and marked coho, with a daily-bag-limit of two adult salmon. Sept. 26-Dec. 31 the fishery open for Chinook and marked coho, with a daily-bag-limit of two adult salmon. Barbless hooks required in these fisheries.

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/]

| | | | Oregon and California Coastal Returns | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Ocean Fisheries[b/] | | Hatcheries and Freshwater | | Private | Columbia River | | Ocean Exploitation Rate Based on OPI |
| Year or Avg. | Troll | Sport | Harvest[c/] | OCN Spawners[d/] | Hatcheries | Returns | Abundance[e/] | Abundance[f/] |
| 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 | 0.85 |
| 1981-1985 | 451.2 | 274.0 | 37.2 | 56.0 | 176.8 | 305.3 | 1,328.6 | 0.63 |
| 1986 | 638.9 | 320.6 | 79.3 | 70.0 | 453.7 | 1578.1 | 3,195.4 | 0.35 |
| 1987 | 468.2 | 296.2 | 45.1 | 30.1 | 119.3 | 324.2 | 1,272.4 | 0.66 |
| 1988 | 844.7 | 297.2 | 61.1 | 56.8 | 116.1 | 686.1 | 1,918.9 | 0.63 |
| 1989 | 645.1 | 425.5 | 61.1 | 46.4 | 46.9 | 728.7 | 2,176.5 | 0.50 |
| 1990 | 275.9 | 357.1 | 28.7 | 22.5 | 35.6 | 208.0 | 987.4 | 0.67 |
| 1991 | 448.4 | 469.9 | 77.8 | 38.1 | 35.1 | 981.5 | 2,040.4 | 0.46 |
| 1992 | 67.4 | 256.5 | 51.0 | 44.2 | - | 225.4 | 629.6 | 0.51 |
| 1993 | 13.1 | 140.8 | 38.6 | 56.1 | - | 117.9 | 315.9 | 0.49 |
| 1994 | 2.7 | 3.0 | 28.2 | 48.5 | - | 173.4 | 267.5 | 0.02 |
| 1995 | 5.4 | 43.5 | 37.5 | 57.3 | - | 77.4 | 204.1 | 0.24 |
| 1996 | 7.0 | 31.8 | 45.7 | 79.3 | - | 117.1 | 260.3 | 0.15 |
| 1997 | 5.5 | 22.4 | 26.9 | 31.6 | - | 156.4 | 230.5 | 0.12 |
| 1998 | 3.5 | 12.8 | 29.4 | 34.3 | - | 175.9 | 270.8 | 0.06 |
| 1999 | 3.6 | 36.5 | 22.6 | 51.2 | - | 289.1 | 432.0 | 0.09 |
| 2000 | 25.2 | 74.6 | 33.2 | 81.1 | - | 558.3 | 762.4 | 0.13 |
| 2001 | 38.1 | 216.8 | 75.8 | 185.2 | - | 1128.3 | 1,673.2 | 0.15 |
| 2002 | 15.0 | 118.7 | 54.0 | 269.0 | - | 535.8 | 972.2 | 0.14 |
| 2003 | 28.8 | 252.4 | 45.1 | 235.3 | - | 713.2 | 1,266.9 | 0.22 |
| 2004 | 26.2 | 159.3 | 38.1 | 197.3 | - | 463.5 | 904.5 | 0.21 |
| 2005 | 10.5 | 58.2 | 42.8 | 164.6 | - | 354.7 | 629.9 | 0.11 |
| 2006 | 4.5 | 47.5 | 29.6 | 132.7 | - | 409.7 | 674.1 | 0.08 |
| 2007 | 26.2 | 128.5 | 10.9 | 71.4 | - | 349.0 | 631.3 | 0.25 |
| 2008 | 0.6 | 26.4 | 15.9 | 180.1 | - | 520.5 | 769.8 | 0.04 |
| 2009 | 27.7 | 201.2 | 16.6 | 265.3 | - | 759.5 | 1,341.3 | 0.17 |
| 2010 | 5.8 | 48.8 | 19.5 | 287.1 | - | 470.8 | 848.4 | 0.06 |
| 2011 | 4.2 | 54.7 | 20.0 | 360.8 | - | 383.2 | 836.4 | 0.07 |
| 2012 | 4.7 | 45.5 | 18.5 | 104.6 | - | 143.9 | 311.3 | 0.16 |
| 2013 | 8.4 | 48.3 | 26.5 | 135.3 | - | 242.1 | 473.6 | 0.12 |
| 2014[g/] | 35.6 | 197.4 | 41.3 | 347.4 | - | 966.7 | 1,673.3 | 0.14 |

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

b/ Incl. est. nonretention mort.: troll: release mort.(1982-present) and drop-off mort.(all yrs.); sport --release mort.(1994-present) and drop-off mort.(all yrs.).

c/ Includes 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/ Private hatchery stocks are excluded in calculating the OPI area stock aggregate ocean exploitation rate index.

g/ Preliminary.

TABLE III-4. Oregon Coast Natural (OCN) adult coho salmon spawner escapement.

| | Adjusted SRS Adult Coho Spawner Population Estimates in Thousands of Spawners by Stock Component[a/] | | | | | Adult Coho Spawners Per Spawner Habitat Mile | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | Northern[b/] | North Central[c/] | South Central[d/] | Southern[e/] | Coastwide | Northern[b/] | North Central[c/] | South Central[d/] | Southern[e/] | Coastwide Average |
| 1990 | 2.2 | 5.6 | 13.5 | 1.2 | 22.5 | 2 | 5 | 8 | 3 | 6 |
| 1991 | 9.3 | 6.7 | 21.6 | 0.5 | 38.1 | 10 | 6 | 13 | 1 | 9 |
| 1992 | 2.4 | 15.4 | 24.4 | 2.0 | 44.2 | 3 | 13 | 15 | 5 | 11 |
| 1993 | 4.5 | 7.8 | 43.1 | 0.8[f/] | 55.7 | 5 | 7 | 27 | 1[f/] | 14 |
| 1994 | 3.5 | 9.8 | 30.9 | 4.3 | 48.5 | 4 | 8 | 19 | 11 | 12 |
| 1995 | 3.9 | 13.6 | 36.5 | 3.4 | 57.3 | 4 | 12 | 22 | 8 | 14 |
| 1996 | 3.3 | 18.1 | 52.6 | 5.2 | 79.3 | 4 | 16 | 32 | 13 | 19 |
| 1997 | 2.1 | 2.8 | 18.4 | 8.2 | 31.6 | 2 | 2 | 11 | 20 | 8 |
| 1998 | 2.6 | 3.3 | 26.1 | 2.3 | 34.3 | 3 | 3 | 16 | 6 | 8 |
| 1999 | 8.9 | 11.8 | 29.2 | 1.4 | 51.2 | 10 | 10 | 18 | 3 | 13 |
| 2000 | 17.9 | 14.3 | 37.9 | 11.0 | 81.1 | 20 | 12 | 23 | 27 | 20 |
| 2001 | 33.5 | 25.2 | 113.9 | 12.0 | 184.6 | 37 | 22 | 70 | 29 | 45 |
| 2002 | 52.5 | 104.0 | 104.1 | 8.5 | 269.0 | 58 | 89 | 64 | 21 | 66 |
| 2003 | 59.6 | 68.9 | 100.1 | 6.8 | 235.4 | 66 | 59 | 62 | 17 | 57 |
| 2004 | 28.8 | 42.1 | 101.9 | 24.5 | 197.3 | 32 | 36 | 63 | 60 | 48 |
| 2005 | 16.5 | 51.4 | 86.7 | 10.0 | 164.6 | 18 | 44 | 53 | 24 | 40 |
| 2006 | 24.1 | 21.2 | 83.5 | 3.9 | 132.7 | 27 | 18 | 51 | 10 | 32 |
| 2007 | 17.5 | 12.3 | 36.5 | 5.1 | 71.4 | 19 | 11 | 22 | 13 | 17 |
| 2008 | 25.6 | 68.1 | 86.0 | 0.4 | 180.1 | 28 | 59 | 53 | 1 | 44 |
| 2009 | 48.1 | 86.4 | 128.2 | 2.6 | 265.3 | 54 | 74 | 79 | 6 | 65 |
| 2010 | 55.0 | 56.5 | 171.9 | 3.7 | 287.1 | 61 | 49 | 106 | 9 | 70 |
| 2011 | 45.9 | 119.1 | 191.3 | 4.5 | 360.8 | 51 | 102 | 118 | 11 | 88 |
| 2012 | 7.5 | 33.8 | 57.8 | 5.5 | 104.6 | 8 | 29 | 36 | 13 | 26 |
| 2013 | 11.0 | 39.7 | 73.7 | 11.2 | 135.6 | 12 | 34 | 45 | 27 | 33 |
| 2014[g/] | 67.6 | 117.6 | 159.9 | 2.3 | 347.4 | 75 | 101 | 99 | 6 | 85 |

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/ 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.

c/ 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.

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

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

f/ Unreliable estimate.

g/ Preliminary.

TABLE III-5. Oregon Coastal Natural and Lower Columbia Natural adult coho salmon cons. objective and fishery impacts.

| | OCN Fishery Impact (Total Marine and Freshwater Exploitation Rate) | | | LCN Fishery Impact (Total Marine and Freshwater Exploitation Rate) | | |
|---|---|---|---|---|---|---|
| Year | Conservation Objective[a/] | Preseason Projection | Postseason Estimate[b/] | Conservation Objective[c/] | Preseason Projection | Postseason Estimate[b/] |
| 1990 | - | - | - | - | - | - |
| 1991 | - | 0.460 | 0.639 | - | - | - |
| 1992 | - | 0.420 | 0.626 | - | - | - |
| 1993 | - | 0.260 | 0.396 | - | - | - |
| 1994 | ≤0.20 | 0.111 | 0.064 | - | - | - |
| 1995 | ≤0.20 | 0.118 | 0.106 | - | - | - |
| 1996 | ≤0.20 | 0.125 | 0.062 | - | - | - |
| 1997 | ≤0.20 | 0.110 | 0.091 | - | - | - |
| 1998 | ≤0.13 | 0.119 | 0.076 | - | - | - |
| 1999 | ≤0.15 | 0.087 | 0.073 | - | - | - |
| 2000 | ≤0.15 | 0.082 | 0.042 | - | - | - |
| 2001 | ≤0.08 | 0.074 | 0.035 | - | - | - |
| 2002 | ≤0.15 | 0.123 | 0.049 | - | - | - |
| 2003 | ≤0.15 | 0.144 | 0.080 | - | - | - |
| 2004 | ≤0.15 | 0.147 | 0.077 | - | - | - |
| 2005 | ≤0.15 | 0.111 | 0.044 | ≤0.15 | 0.10[d/] | 0.179 |
| 2006 | ≤0.15 | 0.096 | 0.076 | ≤0.15 | 0.10[d/] | 0.146 |
| 2007 | ≤0.20 | 0.113 | 0.118 | ≤0.20 | 0.13[d/] | 0.208 |
| 2008 | ≤0.08 | 0.069 | 0.019 | ≤0.08 | 0.08 | 0.073 |
| 2009 | ≤0.15 | 0.130 | 0.067 | ≤0.20 | 0.20 | 0.187 |
| 2010 | ≤0.15 | 0.112 | 0.045 | ≤0.15 | 0.15 | 0.107 |
| 2011 | ≤0.15 | 0.132 | 0.059 | ≤0.15 | 0.15 | 0.111 |
| 2012 | ≤0.15 | 0.150 | 0.183 | ≤0.15 | 0.15 | 0.140 |
| 2013 | ≤0.30 | 0.231 | 0.143 | ≤0.15 | 0.15 | 0.135 |
| 2014[e/] | ≤0.30 | 0.253 | 0.144 | ≤0.225 | 0.225 | 0.174 |

a/ 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.

b/ From the coho FRAM.

c/ In 2005, the NMFS conservation objective and was in terms of marine area fisheries. In 2006, the NMFS conservation objective was in terms of Council area and mainstem Columbia River fisheries; thereafter in terms of all marine area and mainstem Columbia.

d/ The preseason projection was in terms of a marine exploitation rate.

e/ Preliminary.

TABLE III-6. Performance of coho salmon stocks in relation to 2014 preseason conservation objectives (preliminary data). (Page 1 of 2)

| System and Stock | 2014 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 ≤13.0% as indicated by R/K hatchery stocks. | No coho retention south of the California/Oregon border. Preliminary postseason estimate of 4.9%. |
| OCN | Combined marine and freshwater exploitation rate ≤30.0%. | Preliminary postseason estimate of 14.4%. |
| Columbia River Natural (Threatened) | Combined marine and mainstem Columbia River exploitation rate ≤22.5%. | Preliminary postseason estimate of 17.4% exploitation rate in marine and mainstem Columbia River fisheries. |
| **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; preseason projection was 96,500 ocean escapement. |
| Queets | 5,800 to 14,500 natural adult spawners. | Escapement estimate was unavailable; preseason projection was 8,400 ocean escapement. |
| Hoh | 2,000 to 5,000 natural adult spawners. | Preliminary postseason escapement estimates was 6,352. |
| Quillayute Fall | 6,300 to 15,800 natural adult spawners. | Preliminary postseason escapement estimates was 10,356. |

TABLE III-6. Performance of coho salmon stocks in relation to 2013 preseason conservation objectives (preliminary data).
Page (2 of 2)

| System and Stock | 2014 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 2014 natural spawner escapements. Hatchery egg-take goals will be met. |
| Strait of Juan de Fuca | ≤40% total exploitation rate. | Preseason expectation of an 12.0% total exploitation rate; postseason estimate unavailable. |
| Hood Canal | ≤65% total exploitation rate. | Preseason expectation of a 55.7% total exploitation rate; postseason estimate unavailable. |
| Skagit | ≤60% total exploitation rate. | Preseason expectation of a 38.1% total exploitation rate; postseason estimate unavailable. |
| Stillaguamish | ≤50% total exploitation rate. | Preseason expectation of a 32.0% total exploitation rate; postseason estimate unavailable. |
| Snohomish | ≤60% total exploitation rate. | Preseason expectation of a 30.0% total exploitation rate; postseason estimate unavailable. |

TABLE III-7. 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).

| | Spawning Escapement | | | | | | | | | Total Exploitation Rate | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coho Stock | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 3-yr Geo Mean | MSST | $S_{MSY}$ | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | MFMT |
| Willapa Bay | 45,655 | 76,573 | 31,263 | 20,256 | NA | NA | 36,466 | Undef | Undef | 0.59 | 0.27 | 0.46 | 0.50 | NA | NA | Undef |
| Grays Harbor | 75,763 | 105,894 | 67,024 | 71,039 | 57,055 | NA | 64,765 | 18,320 | 24,426 | 0.33 | 0.22 | 0.42 | 0.44 | NA | NA | 0.65 |
| Queets | 9,404 | 11,261 | 8,588 | 4,285 | 5,684 | NA | 5,936 | 4,350 | 5,800 | 0.43 | 0.42 | 0.36 | 0.30 | NA | NA | 0.65 |
| Hoh | 6,595 | 8,231 | 8,043 | 4,179 | 2,899 | 6,352 | 4,253 | 1,890 | 2,520 | 0.52 | 0.33 | 0.39 | 0.46 | NA | NA | 0.65 |
| Quillayute Fall | 7,863 | 9,837 | 8,070 | 5,846 | 7,063 | 10,356 | 7,534 | 4,725 | 6,300 | 0.50 | 0.43 | 0.42 | 0.53 | NA | NA | 0.59 |
| Juan de Fuca | 14,957 | 19,282 | 14,752 | 14,951 | 7,301 | NA | 11,721 | 7,000 | 11,000 | 0.30 | 0.08 | 0.09 | 0.12 | NA | NA | 0.60 |
| Hood Canal | 26,927 | 4,697 | 24,844 | 25,129 | 25,684 | NA | 25,217 | 10,750 | 14,350 | 0.59 | **0.68** | 0.52 | **0.70** | NA | NA | 0.65 |
| Skagit | 60,798 | 31,090 | 43,042 | 97,151 | 86,974 | NA | 71,380 | 14,875 | 25,000 | 0.31 | 0.50 | 0.37 | 0.31 | NA | NA | 0.60 |
| Stillaguamish | 22,179 | 15,172 | 49,991 | 45,156 | 60,387 | NA | 51,466 | 6,100 | 10,000 | 0.28 | 0.09 | 0.21 | 0.29 | NA | NA | 0.50 |
| Snohomish | 98,945 | 49,100 | 111,374 | 130,637 | 115,847 | NA | 119,009 | 31,000 | 50,000 | 0.26 | 0.09 | 0.21 | 0.31 | NA | NA | 0.60 |

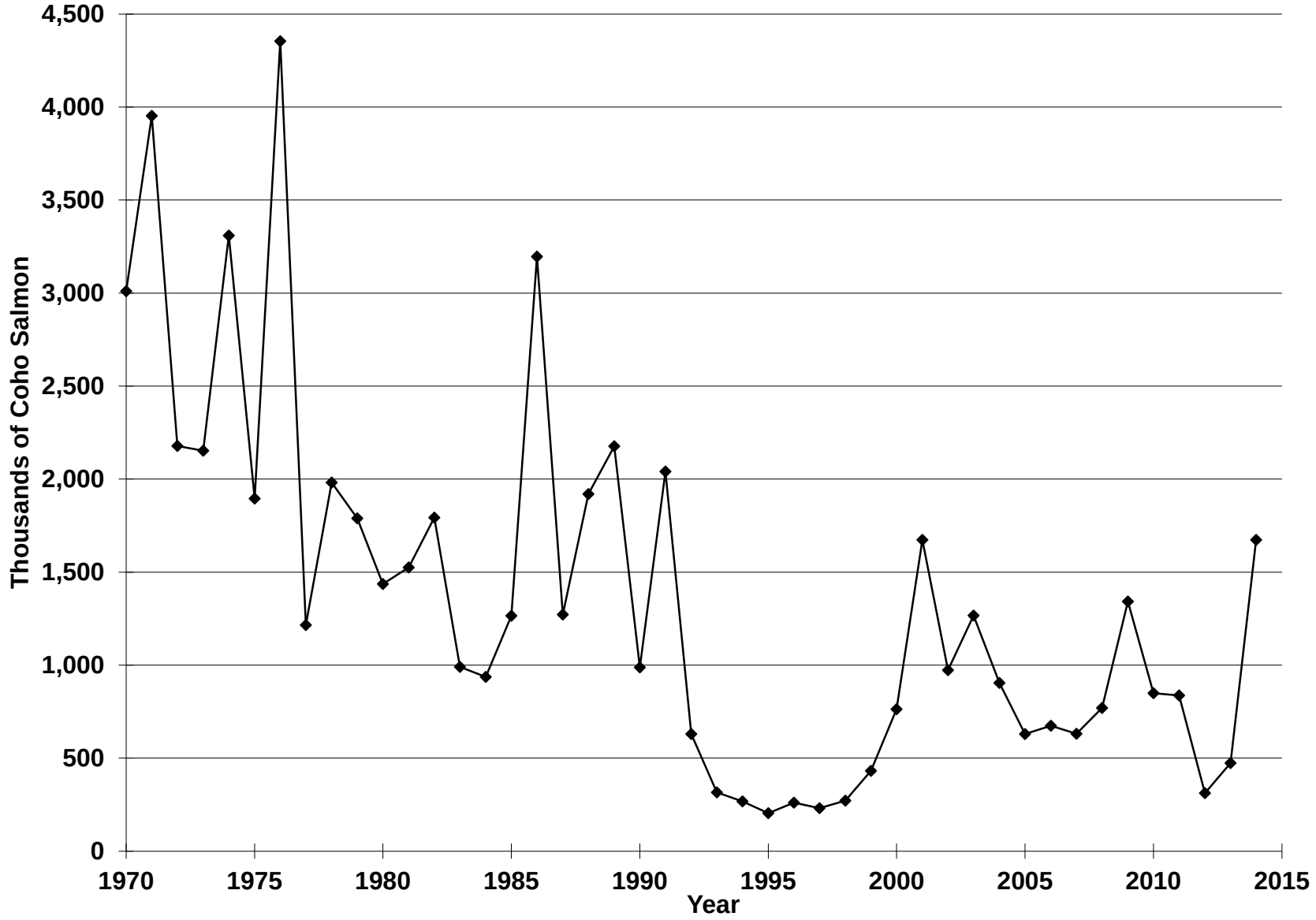



Figure III-1. Oregon Production Index (OPI) area coho abundance estimates by stratified random surveys (SRS) accounting methods, 1970-2014.

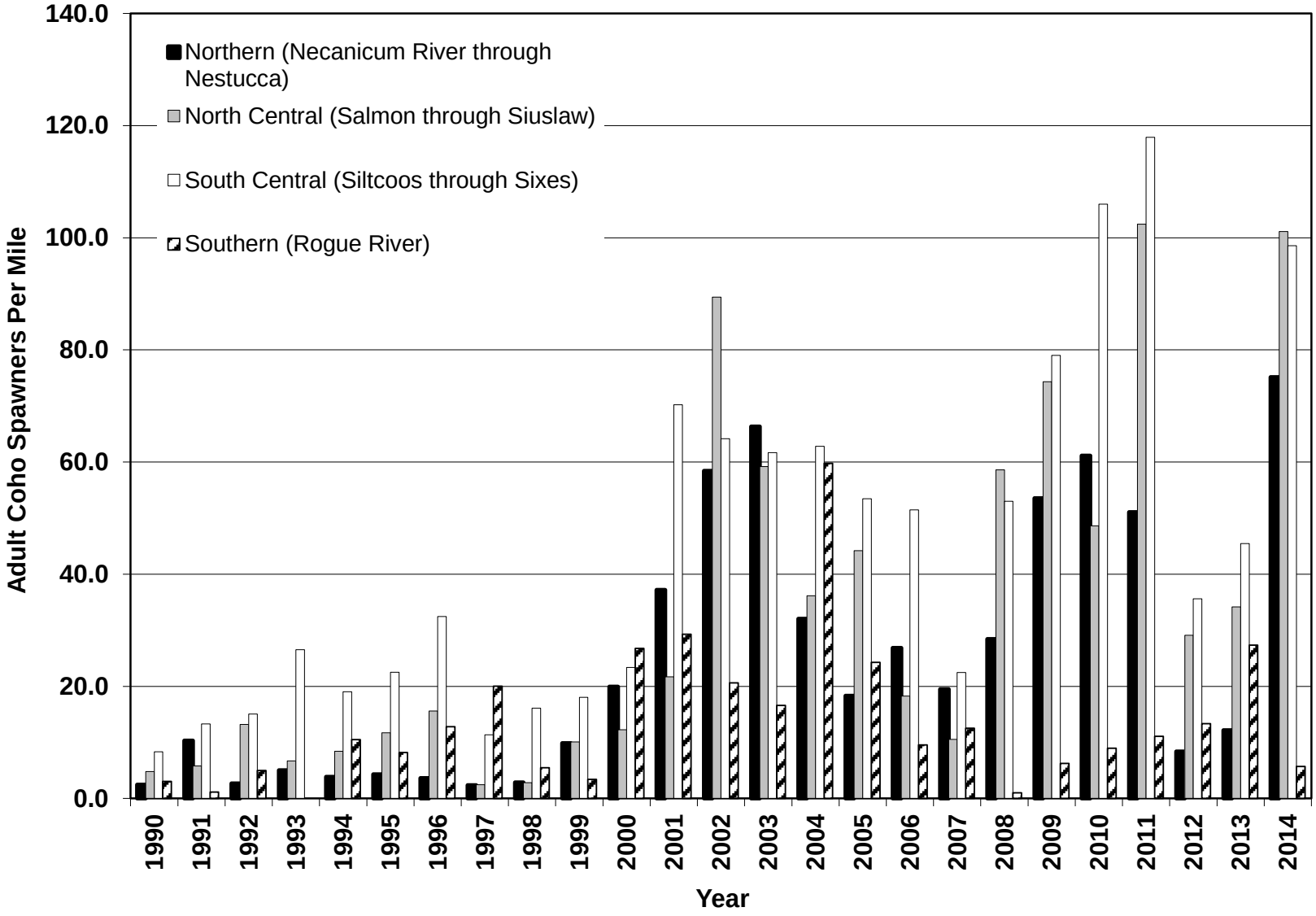



Figure III-2. Oregon coastal natural (OCN) adult coho spawners per habitat mile by coastal region based on SRS accounting methods, 1990-2014.

# CHAPTER IV

## *SOCIOECONOMIC ASSESSMENT OF THE 2013 OCEAN SALMON FISHERIES*

SUMMARY: Total 2014 exvessel value of the Council-managed non-Indian troll commercial salmon fishery was $29.8 million. This was the second highest since an inflation-adjusted total of $35.3 million was harvested in 2004 (Last year's total was $34.6 million). The exvessel value of the coastwide commercial fishery in 2014 was more than double the 2009-2013 inflation-adjusted average of $14.9 million (which includes one zero year for California in 2009), but still 48 percent below the 1979 through 1990 inflation-adjusted average of $57.8 million. The coastwide average exvessel price for Chinook in 2014 was $5.62 per pound, 10 percent below last year's inflation-adjusted average of $6.24. At $1.88 per pound, average West Coast coho prices in 2014 were 15 percent below last year's inflation-adjusted average of $2.22.

The preliminary number of vessel-based ocean salmon recreational angler trips taken on the West Coast in 2014 was 354,500, an increase of 15 percent from last year, but 41 percent below the 1979 through 1990 average of 599,700 angler-trips.

Total West Coast income impacts associated with recreational and commercial ocean salmon fisheries for all three states combined in 2014 were estimated at $112.1 million, slightly below last year's inflation-adjusted total of $112.3 million, and the second highest level achieved in the past five years.[1]

### 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 portion 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 level 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 commercial and recreational 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 that is encountered at a relatively higher rate in that area. The geographic

[1] A changeover in methodology for this *Review of 2014 Ocean Salmon Fisheries* from FEAM-based to IO-PAC-based income impact multipliers means that comparisons of recent year's income impacts with historical values for years prior to 2010 are not meaningful. Consequently any comparisons of income impacts in this document are confined to describing trends appearing over 2010-2014, during which period the IO-PAC-based models and multipliers were applied. See Appendix E for a more detailed explanation of the change in income impact modeling methodology.

distribution of harvest opportunity along the coast involves balancing the often conflicting objectives of maximizing ocean harvest and distributing the responsibility for resource conservation. A brief outline of the regulatory objectives which shaped the 2014 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

Coastwide average exvessel prices for troll caught Chinook and coho in 2014 were $5.62 and $1.88 per pound, respectively. Monthly average exvessel price data provide information on price trends over the season (Table IV-1). California Chinook prices were at their highest in May and October, averaging $6.93 and $6.90 per pound, respectively. Oregon Chinook prices were highest in April and November, averaging $8.54 and $7.02 per pound, respectively. In Washington, average Chinook prices were highest in May at $6.42 per pound and generally lower through the remainder of the season (there were no Washington landings in April). California and Washington average Chinook exvessel prices were at their lowest in July, while average Oregon Chinook prices were lowest in August. Over the whole season, exvessel Chinook prices in Washington, Oregon and California averaged $5.50, $5.71 and $5.54 per pound, respectively; while coho prices in Washington and Oregon averaged $1.83 and $2.00 per pound, respectively.

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

Average Chinook and coho troll exvessel price and value by state and species, compiled from fish receiving tickets and expressed both in nominal terms and inflation-adjusted 2014 dollars, are presented in Tables IV-2, IV-3, and IV-4. Data on pink salmon are shown in Table IV-5. The gross domestic product implicit price deflator, developed by the Bureau of Economic Analysis, was used to adjust nominal dollar values for inflation (Appendix D, Table D-22). Landings weights by state and port for Chinook and coho are presented in Tables IV-6, IV-7 and IV-8. These tables and the following discussion focus on the non-Indian commercial fishery in Council management areas and associated state territorial ocean area waters.

Total 2014 coastwide exvessel value of the Council-managed non-Indian, commercial, troll salmon fishery was $29.8 million, 14 percent below last year ($34.6 million), and more than double the 2009-2013 inflation-adjusted average of $14.9 million. Coastwide exvessel value in 2014 was more than 22 times its all-time low level of $1.3 million recorded in 2008 (including pinks, adjusted for inflation). Although more than 99 percent of total coastwide exvessel value in 2014 was from Chinook landings, coho landings achieved their highest share of exvessel revenue since 2009. Coastwide coho exvessel value in 2014 was $227,500; more than triple the inflation-adjusted level for the prior year ($73,700), and 42 percent above the recent five-year average (2009-2013) of $160,000, (Figure IV-4).

In 2014 California achieved $12.3 million in commercial troll exvessel landings value of Chinook, just over half the prior year's level of $24.0 million, and 11 percent below the level of two years ago ($13.9 million) (adjusted for inflation). 2014 landings revenues were 59 percent below the 1979-1990 inflation-adjusted average of $30.4 million (which include coho landings during that period).

The 2014 exvessel value of the Oregon commercial troll Chinook and coho harvest of $14.8 million was the highest level since $15.6 million in 1989, nearly double last year's total of $7.7 million, and more than four times the 2009-2013 average of $3.6 million (inflation-adjusted). Oregon's 2014 commercial troll harvest value was 19 percent below the 1979-1990 average of $18.3 million, but 61 percent above the long-term, 1979-2013 inflation-adjusted average of $9.1 million.

The 2014 exvessel value of Washington's non-Indian troll Chinook and coho harvest of $2.7 million was 6 percent below last year's inflation-adjusted value of $2.9 million, but 16 percent above the 2009-2013 five-year average value of $2.3 million. However the 2014 value is still 67 percent below the 1979-1990 inflation-adjusted average of $8.2 million.

The 2014 average West Coast ocean harvest Chinook price of $5.62 per pound is 10 percent below last year's inflation-adjusted value of $6.24 per pound, which was the highest value in inflation-adjusted terms since 2008, and third highest since 1979. Adjusted for inflation, the coastwide average Chinook price over the last nine years (2006-2014) was $6.06 per pound (which includes the highest recorded inflation-adjusted average price of $7.60 in 2008). Part of the reason exvessel prices may have been high in recent years may be due to the relatively restricted fishing opportunities (see Chapter I and Appendix C for details). At $1.88 per pound, 2014 average West Coast coho prices were 15 percent lower than last year (and the previous five-year (2009-2013) average), 10 percent below two years ago, and 37 percent below the 1979-1990 average of $2.96 (inflation-adjusted).

In terms of numbers of fish, the 2014 coastwide, non-Indian commercial troll Chinook harvest of 413,100 fish was 8 percent below last year (Figure IV-1). The number of Chinook harvested commercially in 2014 was the second highest level recorded during 2006-2014, but still 34 percent below the number landed in 2005 (627,200), and 36 percent below the 1976-2013 long-term average of 642,900 fish. The 2014 coastwide average weight per Chinook (12.7 pounds) was 4 percent above last year's average (12.3 pounds), 12 percent above the average in 2012 (11.4 pounds), and 2 percent above the previous five-year (2009-2013) average of 12.5 pounds per fish (Appendix D Tables D-1, D-2, and D-3).

The non-Indian commercial fishery caught 26,400 coho coastwide in 2014, more than four times the prior year (6,500), more than double the recent five-year average (2009-2013) of 11,800, and the highest number since 42,000 coho were caught in 2009. The coastwide average weight per coho (5.9 pounds) was 13 percent higher than last year and the highest average weight recorded since 7 pounds in 2010.

West Coast port areas with the highest commercial Chinook landings (by weight) in 2014 were Fort Bragg (20 percent), Coos Bay (19 percent), San Francisco (18 percent), and Newport (18 percent). In 2013 the leading ports were San Francisco (32 percent), Fort Bragg (26 percent) and Coos Bay (14 percent). In 2014, the ports north of Cape Falcon accounted for about 12 percent of aggregate coastwide Chinook harvest by weight. By comparison, ports north of Cape Falcon accounted for 9 percent of Chinook landings in 2013, 14 percent in 2012, 21 percent in 2011, 51 percent in 2010, 95 percent in 2009 and 84 percent in 2008, owing largely to restrictions during that time on fisheries south of Cape Falcon. Between 2000 and 2007, ports north of Cape Falcon accounted for an average of about 9 percent of coastwide Chinook landings by weight.

Compared with last year, commercial Chinook harvest by weight in 2014 was nearly double in Oregon, up just less than 3 percent in Washington, but down 41 percent in California. Compared with last year, the 2014 commercial Coho harvest by weight was nearly triple in Washington and up 33-fold in Oregon. 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 1,145 vessels participated in the West Coast commercial salmon fishery in 2014. This is 4 percent more than participated in 2013 (1,098), 12 percent greater than the number participating in 2012 (1,021), and 36 percent more vessels than participated in 2011 (842). The number of vessels making landings in 2014 was the highest since 1,222 vessels in 2005. Note that these coastwide vessel counts are less than totals derived by summing values in the three state-level tables (Tables D-4, D-5, and D-6) because a given vessel may be counted as landing in

more than one state, and also due to variation in the degree of completeness at the time data were extracted for this report.

In 2014, 655 commercial vessels made salmon landings in California, compared with 671 vessels in 2013, 616 vessels in 2012, 464 vessels in 2011 and 215 vessels in 2010. No vessels landed salmon in California in 2008 or 2009. In 2007, 601 vessels made landings in California (Table D-4). In Oregon, the active fleet increased by 94 vessels in 2014, to 493 vessels compared with 399 vessels in 2013 and 369 vessels in 2012. The number of active vessels in Oregon in 2014 was highest since 565 vessels participated in 2005 (Table D-5). The number of active vessels in Washington increased by eight from 108 vessels last year to 116 vessels in 2014 (Table D-6). This was the largest number of participating vessels in Washington since 116 vessels participated in 2010. Coastwide the number of state limited entry salmon permits issued in 2014 decreased by 18 from the previous year to 2,267. Landings were made on 56 percent of all permits in 2014, up from 52 percent in 2013, 47 percent in 2012 and 37 percent in 2011. Note: Years 2008 and 2009 are the two lowest vessel participation years on record (1982-2014). From 1982 to 1993 an average of 5,193 of 7,942 total permits (65 percent) harvested on an annual basis. Harvest opportunity began declining substantially after that time, and some permits were subsequently purchased in a buyback program.

In 2014, coastwide average inflation-adjusted exvessel value of salmon landings per vessel decreased 20 percent compared to 2013, to about $23,600 per vessel. Compared to last year, average exvessel revenue per vessel in 2014 was down 47 percent in California and 13 percent in Washington, but up 55 percent in Oregon. Note that some caution needs to be exercised in interpreting average exvessel revenue per vessel. The averages may be influenced as much by a disproportionate change in the number of small or large harvesters participating from one year to the next as by any real change in the average revenues of vessels that participated in all years.

Additional historical information on landings by vessel size, percentages of the fleet responsible for the majority of harvest, and harvest by residence of participants in each state's fisheries is included 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 related to harvesting, processing, and marketing of the catch. In 2014 the treaty Indian ocean troll fishery harvested 65,200 Chinook (752,800 pounds) and 55,900 coho (361,900 pounds), compared with 52,400 Chinook (419,600 pounds) and 47,700 coho (265,700 pounds) in 2013, and 56,400 Chinook (601,900 pounds) and 37,500 coho (215,500 pounds) in 2012. The preliminary exvessel value of Chinook and coho landed in the treaty Indian ocean troll fishery was $3.6 million in 2014, compared with inflation-adjusted values of $2.5 million in 2013 and $2.5 million in 2012 (Numbers of fish are from Table A-15; Weights and revenue values are based on January 25, 2015 PacFIN data).

### *Columbia River Commercial Fishery*

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

Total exvessel value of combined treaty Indian and non-Indian commercial salmon harvested in the Columbia River in 2014 was $14.9 million. This was 25 percent above the inflation-adjusted 2013 level of $12.0 million, and more than double the 2012 level of $6.6 million (adjusted for inflation). Of these amounts, the total inflation-adjusted exvessel value of non-Indian commercial salmon harvested in the Columbia River was $6.3 million in 2014, $5.5 million in 2013, and $3.4 million in 2012 (Table IV-9).

Total 2014 exvessel value of treaty Indian salmon harvested in the Columbia River and sold on fish tickets was $8.7 million. This is 34 percent higher than the inflation-adjusted level of $6.5 million in 2013, and nearly triple the inflation-adjusted level of $3.2 million in 2012. Note that these values include only sales made to licensed fish buyers. Treaty Indian fishers' direct 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 2014 Puget Sound and Washington coastal inside fisheries is preliminary. In previous years, substantial revisions to these numbers have occurred after publication of this review. Based on PacFIN data (as of January 25, 2015), the exvessel value of all salmon species taken in the commercial non-Indian fisheries in Puget Sound and Washington coastal inside fisheries (excluding the Columbia River) in 2014 was $7.9 million. This was 34 percent below last year's inflation-adjusted (and revised) value of $12.0 million, but 29 percent above the $6.2 million harvest value in 2012. Of the total non-Indian commercial landings in 2014, $1.4 million were Chinook and coho, compared with $1.5 million in 2013 and $1.7 million in 2012. The 1981 through 2013 inflation-adjusted average annual exvessel value from these fisheries was $16.4 million, of which approximately $4.0 million on average were Chinook and coho. It is interesting to note that all values higher than those respective averages were recorded prior to 1992.

The preliminary 2014 exvessel value reported to PacFIN (as of January 25, 2015) for all salmon species taken in the commercial treaty Indian fisheries in Puget Sound and Washington coastal inside fisheries (excluding the Columbia River) was $14.2 million, of which $5.1 million were Chinook and coho. The (revised) value for the 2013 commercial treaty Indian harvest in Puget Sound and Washington coastal inside fisheries is $17.0 million for all salmon species, of which $8.0 million were Chinook and coho (inflation-adjusted). The exvessel value of the 2012 commercial treaty Indian harvest in Puget Sound and Washington coastal inside fisheries was $13.0 million for all salmon species, of which $8.1 million were Chinook and coho (inflation-adjusted). From 1981 through 2013 the inflation-adjusted average annual exvessel value of commercial treaty Indian fisheries in Puget Sound and Washington coastal inside areas is $21.0 million, of which on average $8.0 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 2007-2014. Average commercial catch of fall Chinook over those years was about 22,500 fish, most of which were taken in the estuary. Although no commercial sales also occurred in spring Chinook gillnet fisheries in 2014, harvests in 1989, 1996, 2000-2004, and 2007-2013 resulted in an average of about 1,100 fish sold. The 1989 total harvest of 27,700 fall Chinook reportedly had an average weight of 15.4 pounds per fish and sold for $852,000 ($1.3 million adjusted to 2014 dollars). In 1996, 3,129 spring Chinook and 40,147 fall Chinook were harvested, with an average weight per fish landed of 13.5 pounds and value at first sale of an estimated $525,000 ($685,000 adjusted to 2014 dollars). Records are not available for the weight and value of harvests for years 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. In 2014 approximately 11,800 commercial fall Chinook were harvested, the lowest total since the fishery was closed in 2006, and 78 percent below the 2013 harvest of 52,100 fish. The

2012 fall Chinook harvest of 82,900 was more than double the previously highest total of 40,147 taken in 1996. By comparison, only 15,600 fall Chinook were harvested in 2011, and 15,300 were harvested in 2010. No spring Chinook commercial harvest occurred in 2014. By comparison 971 spring Chinook were harvested in 2013, 856 in 2012, and 33 in 2011 (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 2014 was 354,500, an increase of 15 percent over 2013, and 22 percent above the 2012 level, but 41 percent below the 1979-1990 annual average of 599,700. Compared with 2013, preliminary estimates of the number of trips taken in 2014 in California decreased by 16 percent, but increased by 41 percent in Oregon, and by 46 percent in Washington. (Note that Washington effort estimates shown in Tables IV-10 and IV-13 may differ from those in Tables I-4 and (Appendix A) Table A-17 because the former exclude bank fishers on the Columbia River north jetty.)

Recreational ocean area 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. The coastwide proportion of angler trips taken on charter vessels in 2014 (27 percent) was slightly higher than in 2013, but 5 percent lower than in 2012 (29 percent). Underlying this coastwide trend were an increase of 12 percent over last year in the proportion of charter trips in California, an increase of 39 percent in the proportion of charter trips in Oregon, (i.e., increase from 9 percent of trips in 2013 to 12 percent in 2014), and a decrease of 4 percent in Washington. Figure IV-5 and Tables IV-10, IV-11, IV-12, and IV-13 display details of recreational effort and catch by port area and mode for each state.

#### California

The number of ocean recreational salmon trips in California in 2014 (120,300) continued a downward trend over the prior two years. The 2014 total was 18 percent below 2013 (147,300), and 16 percent lower than in 2012 (148,000). The number of salmon trips in 2014 was 37 percent lower than the prior year in Crescent City, 29 percent lower in Eureka, 21 percent lower in San Francisco, and 10 percent lower in Monterey. Only in Fort Bragg was the number of salmon trips slightly higher (1 percent) than in the prior year. A total of 74,700 Chinook were caught in California on the total of 120,300 trips, for an average success rate of 0.62 fish per trip. The charter industry's share of California recreational salmon trips in 2014 was 40 percent, 12 percent above last year's share, and the highest proportion recorded since 40 percent in 2005 (Table IV-10, Table IV-11 and Figure IV-5).

#### Oregon

Ocean recreational salmon trips in Oregon in 2014 were up 41 percent to 121,500 trips compared with an estimated 86,300 angler trips in 2013 (Tables IV-10 and IV-12). Total trips in 2014 were the highest since 145,700 recorded in 2004, and 79 percent above the most recent five-year average (2009-2013) of 68,000. Compared with last year, effort was much higher in Astoria (double), Tillamook (up 78 percent) and Newport (up 143 percent); approximately even in Coos Bay; while in Brookings the number of trips fell 15

percent. The charter industry's share of Oregon recreational salmon trips in 2014 was about 12 percent, which is 39 percent higher than last year, and about 9 percent above the recent five-year (2009-2013) average share of 11 percent (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. From 2002 through 2013, retention rates ranged between 0.44 and 1.08 salmon per angler-day. The 2014 Oregon salmon retention rate of 0.97 was near the upper end of this range and was 86 percent above last year's value of 0.52. The 2014 value was the highest since a retention rate of 1.08 was recorded in 2009, and it continues a rising trend exhibited since the recent low of 0.44 in 2010. In 2014, coho contributed 84 percent of the total Oregon recreational ocean salmon catch, more than double last year's share of 32 percent and the highest coho share since 98 percent was recorded in 2009.

## Washington

In 2014, 112,700 ocean angler trips were taken on vessels on the Washington coast, an increase of 46 percent from the 77,000 trips taken in 2013, and 40 percent above the recent five-year (2009-2013) average of 80,600. About 31 percent of Washington angler trips in 2014 were taken on charter vessels, down 4 percent from 2013, and 3 percent below the recent five-year average share of 32 percent (Table IV-10, Table IV-13 and Figure IV-5).

The angler success rate in Washington (in terms of retained fish per angler-trip) was 1.41 in 2014, the highest rate since 1.52 recorded in 2009, 35 percent above the recent five-year (2009-2013) average success rate of 1.04, and up 46 percent from 0.97 in 2013. Note that these figures do not include angler effort that occurs from the ocean side of the Columbia River jetty, or in the state managed Area 4B add-on fishery (if open).

In order to increase angler participation in non-salmon recreational fishing (e.g., bottomfish) 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. Until relatively recently, the Neah Bay and La Push areas were generally open seven days per week. In 2014, the recreational salmon fishery between Cape Falcon and the U.S/Canada border was open seven days per week in all areas during the main June-September season. In 2014 there were 45,500 bottomfish trips north of Cape Falcon, slightly more than in 2013, and continuing an overall upward trend exhibited since the 2009 low point of 37,200 (Table IV-14). Compared with 2013, while trips from Neah Bay were 11 percent above last year's level, the Columbia River, Westport and La Push areas all showed decreases in total bottomfish effort.

### *Buoy 10 and Area 4B Add-On Fisheries*

In 2014 salmon anglers fishing from private and charter boats from Oregon and Washington made a total of 103,500 trips in the Buoy 10 fishery. This effort level is approximately 62 percent above the 64,000 and 63,700 trips recorded in 2013 and 2012, respectively. Angler success/retention rates fishing from boats in the Buoy 10 fishery increased to 0.79 salmon per day in 2014 from 0.47 in 2013, 0.41 in 2012 and 0.38 in 2011 (Table IV-15).

In 2000, about 3,400 trips were made in the late-season Area 4B add-on fishery. Since then there have been no late season Area 4B add-on fisheries, with the exception of 2008, when there were an estimated 782 private trips and no charter trips. There was no Area 4B add-on fishery in 2014 (Table IV-15).

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 based on commercial landings and recreational fishing days (angler-trips), and were estimated using the IO-PAC fisheries economic impact model. This is a change from prior years' preseason documents where income impacts were estimated using the Fisheries Economic Assessment Model (FEAM). The change in methodology means that recent year income impacts estimated using IO-PAC are no longer comparable with historical values for years prior to 2010 that were estimated using FEAM. Consequently any comparisons of income impacts in this document are confined to describing trends appearing over 2010-2014, during which period the IO-PAC-based models and multipliers are applied. Appendix E contains a more detailed explanation of the change in income modeling methodology, including comparisons of IO-PAC with FEAM-based estimates for recent years.

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. Income impacts are most relevant to those dependent on the income stream from the fishery, including individuals, businesses, and local and state governments. 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 salmon anglers, expressed at the local community (county) and state levels.[2] Impacts include personal income earned by those directly participating in the fishery (e.g. vessel owners, crew members, processing workers, and recreational charter operators), income indirectly associated with the fishery that is earned by those providing supplies to harvesting, processing and recreational operations (e.g. fuel, gear, bait, and ice suppliers), and income earned by those who benefit when direct and indirect income is re-spent in the community (e.g. income of grocery store owners, car mechanics, and health professionals). This last category is sometimes called induced income.

When commercial or recreational production from the fishery is reduced or absent, the net impact on local communities will depend on the economic base of the community and how people respond to the reduced fishery. For example, if a recreational fisher unable to make a coastal salmon trip instead travels inland to fish at a mountain lake, then the impact associated with the lost salmon trip would be a net loss to the members of the coastal community. On the other hand, if the recreational fisher instead took part in another form of recreational activity in the same coastal community, then although there may be little or no net loss to the community as a whole, some of those involved in the salmon fishery would experience an income reduction as if the recreational fisher's money had been spent elsewhere (or not at all). Similarly, for those involved in the commercial fishery, whether or not the reduction in income impacts associated with salmon harvest represents a net loss to the community depends on whether there are opportunities to take up some other economic activity to compensate for the loss of commercial salmon fishing.

[2] Because *income impact* refers to income "associated with" a given level of economic activity, the term *impact* in this context should not be confused with the term *impact* as frequently employed in policy analyses such as those required by the National Environmental Policy Act. Such policy analyses refer to impact as the effect (the difference) which results from taking an action (as compared to not taking the action). Income impacts are one of a number of different but related measures of total economic activity (e.g. income impacts, gross receipts, total jobs, etc.).

Income impacts are presented at the local and state levels (and could also be provided at the national level). As one moves from evaluation of income impacts at the level of a local economy to consideration of larger state and national economies, any indicated changes in income impacts increasingly represent a measure of disruption due to redistribution of activities within the economy and probably decreasingly represent a net loss at the level of the economy being considered.

Income impacts are estimated based on several data components, including: reported commercial landings and exvessel prices by port or area, an inventory of local harvesters and processors, estimates of expenditures by harvester and processors, data on the expenditure patterns of recreational anglers, and local and state-level total income impact coefficients generated by IMPLAN® models constructed for each port or area. Commercial ocean harvests that are landed outside of coastal areas (e.g., ocean troll caught salmon landed in Puget Sound ports) are not included in these estimates of coastal community impacts, but are included in the overall state-level impacts.

The income impacts presented below are estimates of annual trends and are intended to indicate the possible redirection of economic activity between non-fishing and fishing-dependent sectors. As such they represent likely upper bounds on the local community and state-level income impacts generated by West Coast salmon fisheries. All income impact estimates reported in this Review are in terms of inflation-adjusted 2014 dollars.

### *West Coast Ocean Fishery Commercial and Recreational Income Impacts*

Total state level income impacts associated with recreational and non-Indian commercial ocean salmon fisheries for all three states combined in 2014 were $112.1 million, slightly below last year's inflation-adjusted level of $112.3 million, and 31 percent above the inflation-adjusted 2012 level. The 2014 level was the second highest estimated over the 2010-2014 period (Tables IV-16, IV-17 and IV-18). West Coast income impacts associated with the 2014 non-Indian commercial ocean fishery were $50.3 million, 11 percent below the estimate for 2013 ($56.7 million), and the second highest estimated over the 2010-2014 period.[3] Income impacts generated by the three states' combined 2014 ocean recreational fisheries were estimated at $61.8 million, 11 percent above last year's level of $55.6 million, and the highest level estimated over the 2010-2014 period. Note that these coastwide values may mask effects in individual communities. Tables IV-16, IV-17 and IV-18 provide greater detail on the income impacts estimated for individual port areas in the three West Coast states.

### *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 Oregon and Washington communities on the Columbia River. In 2014, income impacts associated with the Columbia River commercial catch (combined non-Indian and treaty Indian) were estimated at $21.5 million, 25 percent above the prior year's level of $17.1 million, more than double the 2012 total estimate of $9.5 million, and the highest value estimated for the 2010-2014 estimation period (Table IV-19).

#### Buoy 10 and Area 4B Add-On

Estimated local community income impacts associated with the 2014 Buoy 10 recreational salmon fishery were $6.1 million, 60 percent higher than the estimate of $3.8 million for the 2013 fishery, 58 percent above

[3] Income impact estimates for the commercial fishery do not include postseason settlement payments fishers may have received from buyers. In certain years postseason settlements have been particularly significant in the California fishery.

the estimate for the 2012 fishery, more than double the estimated value of $2.9 million for 2011, and the highest value observed over the 2010-2014 estimation period. There was no late-season Area 4B add-on fishery in 2014. The most recent Area 4B add-on fishery, which occurred in 2008, was the first since 2000. Inflation-adjusted local community income impacts associated with the 2008 area 4B add-on fishery were an estimated to be $32,000 (Table IV-20).

TABLE IV-1. Average monthly exvessel troll salmon price in dollars per dressed pound for California, Oregon, and Washington in 2014.

| Species/Grade | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Season |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CALIFORNIA** | | | | | | | | | | | |
| Chinook[a/] | - | - | 6.93 | 5.80 | 4.64 | 5.27 | 5.88 | 6.90 | - | - | 5.54 |
| Coho | - | - | - | - | - | - | - | - | - | - | - |
| **OREGON** | | | | | | | | | | | |
| Chinook | | | | | | | | | | | |
| Large (>11 Pounds) | - | 8.57 | 6.65 | 5.92 | 4.77 | 4.61 | 5.01 | 6.17 | 6.91 | - | 5.70 |
| Medium (7-11 Pounds) | - | 8.57 | 6.54 | 5.57 | 4.48 | 4.04 | 5.08 | 6.00 | 6.76 | - | 5.43 |
| Small (<7 Pounds) | - | 8.00 | 6.54 | 5.67 | 4.92 | 4.18 | 4.98 | 6.20 | 6.83 | - | 5.35 |
| Ungraded Chinook | - | 8.55 | 6.60 | 6.04 | 5.00 | 4.55 | 5.11 | 6.53 | 7.29 | - | 5.94 |
| Weighted Average | - | 8.54 | 6.61 | 5.86 | 4.78 | 4.48 | 5.06 | 6.32 | 7.02 | - | 5.71 |
| Mixed Coho | - | - | - | - | 1.62 | 1.94 | 2.10 | - | - | - | 2.00 |
| **WASHINGTON[b/]** | | | | | | | | | | | |
| Chinook | | | | | | | | | | | |
| Large (>11 Pounds) | - | - | 6.47 | 5.73 | 4.34 | 4.65 | 4.49 | - | - | - | 5.26 |
| Medium (8-11 Pounds) | - | - | 6.24 | 5.56 | 3.99 | 4.20 | 4.23 | - | - | - | 4.98 |
| Small (<8 Pounds) | - | - | 5.02 | 4.82 | 3.54 | 3.38 | 4.81 | - | - | - | 4.58 |
| Ungraded Chinook | - | - | - | - | - | - | - | - | - | - | - |
| Weighted Average | - | - | 6.42 | 5.76 | 4.28 | 4.57 | 4.50 | - | - | - | 5.50 |
| Mixed Coho | - | - | - | - | 1.57 | 1.80 | 1.95 | - | - | - | 1.83 |

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, 2014) dollars.[a/]

| | Chinook | | | | Coho | | | | Total[b/] | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year or Avg. | 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 | 42,999 | 2.53 | 6.27 | 2,303 | 5,706 | 2.19 | 5.43 | 19,659 | 48,705 |
| 1980 | 12,741 | 28,928 | 2.27 | 5.15 | 408 | 926 | 1.36 | 3.09 | 13,149 | 29,854 |
| 1981-1985 | 10,945 | 21,029 | 2.42 | 4.59 | 554 | 1,076 | 1.94 | 4.03 | 11,499 | 22,106 |
| 1986-1990 | 21,151 | 34,399 | 2.56 | 4.13 | 490 | 784 | 1.36 | 2.66 | 21,641 | 35,183 |
| 1991-1995 | 7,335 | 10,132 | 2.28 | 3.18 | 143 | 207 | 1.25 | 2.35 | 7,478 | 10,339 |
| 1996 | 5,984 | 7,808 | 1.44 | 1.88 | - | - | - | - | 5,984 | 7,808 |
| 1997 | 7,288 | 9,345 | 1.38 | 1.77 | - | - | - | - | 7,288 | 9,345 |
| 1998 | 3,060 | 3,880 | 1.66 | 2.10 | - | - | - | - | 3,060 | 3,880 |
| 1999 | 7,429 | 9,283 | 1.93 | 2.41 | - | - | - | - | 7,429 | 9,283 |
| 2000 | 10,304 | 12,602 | 2.01 | 2.46 | - | - | - | - | 10,304 | 12,602 |
| 2001 | 4,773 | 6,179 | 1.98 | 2.56 | - | - | - | - | 4,773 | 6,179 |
| 2002 | 7,776 | 9,913 | 1.55 | 1.98 | - | - | - | - | 7,776 | 9,913 |
| 2003 | 12,181 | 15,226 | 1.91 | 2.39 | - | - | - | - | 12,181 | 15,226 |
| 2004 | 17,895 | 21,770 | 2.87 | 3.49 | - | - | - | - | 17,895 | 21,770 |
| 2005 | 12,913 | 15,219 | 2.97 | 3.50 | - | - | - | - | 12,913 | 15,219 |
| 2006 | 5,350 | 6,118 | 5.13 | 5.87 | - | - | - | - | 5,350 | 6,118 |
| 2007 | 7,902 | 8,802 | 5.18 | 5.77 | - | - | - | - | 7,902 | 8,802 |
| 2008 | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - |
| 2010 | 1,246 | 1,334 | 5.47 | 5.86 | - | - | - | - | 1,246 | 1,334 |
| 2011 | 5,133 | 5,386 | 5.18 | 5.44 | - | - | - | - | 5,133 | 5,386 |
| 2012 | 13,521 | 13,939 | 5.34 | 5.51 | - | - | - | - | 13,521 | 13,939 |
| 2013 | 23,632 | 24,005 | 6.23 | 6.33 | - | - | - | - | 23,632 | 24,005 |
| 2014[c/] | 12,350 | 12,350 | 5.54 | 5.54 | - | - | - | - | 12,350 | 12,350 |

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 percent to 10 percent.

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, 2014) dollars.

| | Chinook | | | | Coho | | | | Total[a/] | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year or Avg. | 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 | 7,450 | 0.89 | 3.31 | 3,658 | 13,711 | 0.64 | 2.36 | 5,694 | 21,161 |
| 1976-1980 | 5,290 | 14,023 | 2.17 | 5.73 | 6,389 | 17,455 | 1.51 | 3.99 | 11,679 | 31,478 |
| 1981-1985 | 3,582 | 6,846 | 2.46 | 4.67 | 2,248 | 4,483 | 1.45 | 2.76 | 5,830 | 11,329 |
| 1986-1990 | 9,381 | 15,232 | 2.47 | 3.98 | 3,203 | 5,213 | 1.54 | 2.49 | 12,584 | 20,445 |
| 1991-1995 | 1,971 | 2,728 | 2.24 | 3.12 | 326 | 471 | 0.64 | 0.91 | 2,297 | 3,200 |
| 1996 | 3,007 | 3,924 | 1.56 | 2.04 | - | - | - | - | 3,007 | 3,924 |
| 1997 | 2,469 | 3,166 | 1.60 | 2.05 | - | - | - | - | 2,469 | 3,166 |
| 1998 | 2,297 | 2,913 | 1.64 | 2.08 | - | - | - | - | 2,297 | 2,913 |
| 1999 | 1,400 | 1,749 | 1.94 | 2.42 | 1 | 1 | 1.03 | 1.29 | 1,401 | 1,751 |
| 2000 | 2,988 | 3,654 | 2.02 | 2.47 | 75 | 92 | 1.06 | 1.30 | 3,063 | 3,746 |
| 2001 | 4,680 | 6,058 | 1.61 | 2.08 | 41 | 53 | 0.79 | 1.02 | 4,721 | 6,111 |
| 2002 | 5,383 | 6,863 | 1.54 | 1.96 | 8 | 10 | 0.75 | 0.96 | 5,391 | 6,873 |
| 2003 | 7,186 | 8,982 | 1.97 | 2.46 | 36 | 45 | 0.85 | 1.06 | 7,222 | 9,028 |
| 2004 | 9,832 | 11,961 | 3.45 | 4.20 | 86 | 105 | 1.24 | 1.51 | 9,919 | 12,067 |
| 2005 | 8,466 | 9,978 | 3.17 | 3.74 | 37 | 44 | 1.87 | 2.20 | 8,503 | 10,022 |
| 2006 | 2,663 | 3,045 | 5.48 | 6.27 | 38 | 44 | 2.90 | 3.32 | 2,701 | 3,088 |
| 2007 | 2,630 | 2,929 | 5.66 | 6.30 | 193 | 215 | 1.90 | 2.12 | 2,822 | 3,143 |
| 2008 | 484 | 528 | 7.31 | 7.99 | 10 | 11 | 2.82 | 3.08 | 494 | 540 |
| 2009 | 77 | 84 | 5.06 | 5.49 | 267 | 290 | 2.04 | 2.21 | 345 | 374 |
| 2010 | 2,775 | 2,973 | 5.49 | 5.88 | 16 | 17 | 2.23 | 2.39 | 2,791 | 2,989 |
| 2011 | 2,396 | 2,515 | 5.96 | 6.25 | 5 | 5 | 2.01 | 2.11 | 2,401 | 2,520 |
| 2012 | 4,263 | 4,395 | 5.75 | 5.93 | 8 | 9 | 2.20 | 2.27 | 4,271 | 4,404 |
| 2013 | 7,604 | 7,724 | 5.88 | 5.97 | 7 | 7 | 2.56 | 2.60 | 7,611 | 7,731 |
| 2014[b/] | 14,692 | 14,692 | 5.71 | 5.71 | 67 | 67 | 2.00 | 2.00 | 14,760 | 14,760 |

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, 2014) dollars.[a/]

| | Chinook | | | | Coho | | | | Total[b/] | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year or Avg. | 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 | 10,059 | 0.89 | 3.32 | 3,060 | 11,369 | 0.66 | 2.47 | 5,775 | 21,428 |
| 1976-1980 | 5,313 | 14,383 | 2.39 | 6.27 | 6,086 | 16,436 | 1.67 | 4.40 | 11,399 | 30,819 |
| 1981-1985 | 1,954 | 3,844 | 2.46 | 4.67 | 1,272 | 2,512 | 1.32 | 2.51 | 3,225 | 6,356 |
| 1986-1990[c/] | 1,310 | 2,122 | 2.61 | 4.23 | 360 | 574 | 1.62 | 2.62 | 1,670 | 2,696 |
| 1991-1995[d/] | 550 | 780 | 2.17 | 3.03 | 120 | 170 | 0.86 | 1.21 | 670 | 950 |
| 1996 | d/ | d/ | d/ | d/ | 59 | 76 | 0.86 | 1.12 | d/ | d/ |
| 1997 | 125 | 160 | 1.55 | 1.99 | - | - | - | - | 125 | 160 |
| 1998 | 123 | 156 | 1.51 | 1.91 | - | - | - | - | 123 | 156 |
| 1999 | 377 | 471 | 1.90 | 2.37 | 19 | 24 | 0.88 | 1.10 | 396 | 495 |
| 2000 | 224 | 274 | 1.71 | 2.09 | 34 | 42 | 1.09 | 1.33 | 258 | 316 |
| 2001 | 349 | 452 | 1.44 | 1.86 | 34 | 44 | 0.69 | 0.89 | 383 | 496 |
| 2002 | 756 | 964 | 1.11 | 1.42 | 2 | 2 | 1.58 | 2.01 | 758 | 966 |
| 2003 | 951 | 1,189 | 1.15 | 1.44 | 40 | 50 | 0.74 | 0.92 | 991 | 1,239 |
| 2004 | 1,079 | 1,313 | 2.14 | 2.60 | 106 | 129 | 1.16 | 1.41 | 1,185 | 1,442 |
| 2005 | 1,273 | 1,501 | 2.70 | 3.18 | 16 | 19 | 1.65 | 1.94 | 1,290 | 1,520 |
| 2006 | 1,029 | 1,176 | 4.64 | 5.31 | 16 | 19 | 1.69 | 1.93 | 1,045 | 1,195 |
| 2007 | 905 | 1,007 | 4.90 | 5.46 | 48 | 54 | 1.46 | 1.63 | 953 | 1,061 |
| 2008 | 673 | 736 | 6.73 | 7.35 | 36 | 39 | 2.49 | 2.72 | 709 | 774 |
| 2009 | 893 | 968 | 5.76 | 6.24 | 276 | 299 | 2.02 | 2.19 | 1,169 | 1,267 |
| 2010 | 3,083 | 3,302 | 5.61 | 6.01 | 32 | 34 | 2.14 | 2.29 | 3,115 | 3,337 |
| 2011 | 1,652 | 1,734 | 5.12 | 5.37 | 35 | 37 | 2.10 | 2.20 | 1,687 | 1,771 |
| 2012 | 2,323 | 2,395 | 5.34 | 5.51 | 35 | 36 | 1.99 | 2.05 | 2,358 | 2,431 |
| 2013 | 2,771 | 2,814 | 6.16 | 6.26 | 67 | 68 | 2.15 | 2.18 | 2,838 | 2,882 |
| 2014 | 2,549 | 2,549 | 5.50 | 5.50 | 160 | 160 | 1.83 | 1.83 | 2,709 | 2,709 |

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, 2014) dollars.

| | Oregon | | | | Washington | | | | Total[a/] | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year or Avg.[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 | 463 | 0.75 | 1.97 | 1,200 | 3,137 | 0.54 | 1.44 | 1,367 | 3,600 |
| 1981-1985 | 129 | 250 | 0.74 | 1.41 | 287 | 564 | 0.41 | 0.79 | 416 | 814 |
| 1986-1990 | 41 | 68 | 0.77 | 1.24 | 57 | 89 | 0.66 | 1.07 | 98 | 158 |
| 1991-1995 | 1 | 2 | 0.88 | 1.22 | 38 | 54 | 0.64 | 0.89 | 39 | 56 |
| 1997 | b/ | b/ | 0.56 | 0.72 | b/ | b/ | 0.20 | 0.26 | b/ | b/ |
| 1999 | b/ | b/ | 0.67 | 0.84 | b/ | b/ | 0.38 | 0.47 | b/ | b/ |
| 2001 | 1 | 1 | 0.58 | 0.75 | b/ | b/ | 0.22 | 0.28 | 1 | 1 |
| 2003 | b/ | b/ | 0.85 | 1.06 | b/ | b/ | 0.30 | 0.37 | b/ | b/ |
| 2005 | b/ | b/ | 1.25 | 1.47 | b/ | b/ | 0.52 | 0.61 | b/ | b/ |
| 2007 | b/ | b/ | 1.11 | 1.24 | b/ | b/ | 0.33 | 0.37 | b/ | b/ |
| 2009 | b/ | b/ | 0.51 | 0.55 | b/ | b/ | 0.33 | 0.36 | b/ | b/ |
| 2011 | b/ | b/ | 1.31 | 1.37 | 1 | 1 | 0.83 | 0.87 | 1 | 1 |
| 2013 | b/ | b/ | 1.35 | 1.37 | b/ | b/ | 0.61 | 0.62 | b/ | b/ |

a/ Odd year averages.
b/ Less than $500.

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 | 8 | 53 | 622 | 215 | 94 | 992 |
| 2012 | 5 | 78 | 611 | 1,189 | 648 | 2,530 |
| 2013 | 24 | 200 | 1,427 | 1,776 | 367 | 3,793 |
| 2014[c/] | 27 | 110 | 1,035 | 958 | 99 | 2,228 |
| | | | **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 | - | - | - | - | - | - |
| 2012 | - | - | - | - | - | - |
| 2013 | - | - | - | - | - | - |
| 2014 | - | - | - | - | - | - |

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, and Mendocino; 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 | 30 | 14 | 68 | 231 | 59 | 402 |
| 2012 | 84 | 64 | 275 | 221 | 97 | 741 |
| 2013 | 34 | 76 | 232 | 783 | 166 | 1,291 |
| 2014[c/] | 172 | 149 | 931 | 1,024 | 298 | 2,575 |
| **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 | 2 | 1 | - | - | - | 3 |
| 2012 | 3 | 1 | - | - | - | 4 |
| 2013 | 2 | - | - | - | - | 2 |
| 2014[c/] | 33 | 18 | 9 | 7 | 1 | 67 |

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 Community Total | Puget Sound | State Total[c/] |
|---|---|---|---|---|---|---|---|
| **CHINOOK (thousands of dressed pounds)** | | | | | | | |
| 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 |
| 2012 | 172 | 92 | 147 | 23 | 435 | - | 435 |
| 2013 | 85 | 83 | 275 | 7 | 450 | e/ | 450 |
| 2014 | 77 | 93 | 182 | 112 | 463 | e/ | 463 |
| **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 |
| 2012 | 7 | 5 | 6 | 1 | 18 | - | 18 |
| 2013 | 5 | 8 | 18 | 1 | 31 | e/ | 31 |
| 2014 | 7 | 22 | 47 | 12 | 87 | - | 87 |

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. Landings, exvessel values and average prices (inflation adjusted, 2014 dollars) of inriver commercial harvest of Columbia River salmon.[a/] (Page 1 of 2)

| Year or Avg. | Non-Indian Gillnet[b/] Chinook Spring | Non-Indian Gillnet[b/] Chinook Fall Brights[d/] | Non-Indian Gillnet[b/] Chinook Fall Tules | Non-Indian Gillnet[b/] Coho | Non-Indian Gillnet[b/] Chum | Non-Indian Gillnet[b/] TOTAL | Treaty Indian[c/] - All Gears Chinook Spring | Treaty Indian[c/] - All Gears Chinook Fall Brights[d/] | Treaty Indian[c/] - All Gears Chinook Fall Tules | Treaty Indian[c/] - All Gears Coho | Treaty Indian[c/] - All Gears Chum | Treaty Indian[c/] - All Gears TOTAL | Columbia River Total By State |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Oregon** | | | | | | | | | | | | | |
| Average Price Per Landed Pound[e/] (dollars) | | | | | | | | | | | | | |
| 1987-2003 | 4.18 | 1.43 | 0.39 | 1.24 | 0.54 | | 4.35 | 1.35 | 0.35 | 0.95 | - | | |
| 2004 | 4.53 | 1.67 | 0.27 | 1.09 | 0.30 | | 2.25 | 1.37 | 0.12 | 0.72 | - | | |
| 2005 | 4.02 | 1.91 | 0.31 | 1.26 | 0.37 | | - | 1.23 | 0.20 | 1.10 | - | | |
| 2006 | 5.35 | 2.45 | 0.32 | 1.50 | 0.30 | | 3.43 | 1.75 | 0.30 | 1.43 | - | | |
| 2007 | 6.00 | 3.15 | 0.06 | 1.80 | 0.84 | | 4.18 | 2.91 | 0.03 | 1.19 | - | | |
| 2008 | 6.75 | 2.73 | 0.62 | 1.43 | 0.71 | | 5.07 | 2.80 | 0.49 | 1.27 | 0.98 | | |
| 2009 | 4.88 | 2.23 | 0.59 | 1.31 | 0.56 | | 3.70 | 1.52 | 0.39 | 1.00 | - | | |
| 2010 | 5.28 | 2.27 | 0.64 | 1.49 | 0.72 | | 4.51 | 2.16 | 0.67 | 2.02 | - | | |
| 2011 | 5.33 | 2.39 | 0.61 | 1.73 | 0.81 | | 3.75 | 2.48 | 0.75 | 1.61 | - | | |
| 2012 | 6.00 | 2.28 | 0.56 | 1.66 | 0.51 | | 5.69 | 2.64 | 0.76 | 1.91 | - | | |
| 2013 | 6.55 | 2.55 | 0.58 | 1.87 | 0.51 | | 5.27 | 2.09 | 0.65 | 1.36 | - | | |
| 2014[g/] | 5.38 | 1.83 | 0.57 | 1.17 | 0.54 | | 5.03 | 1.72 | 0.57 | 0.91 | - | | |
| Exvessel Value (thousands of dollars) | | | | | | | | | | | | | |
| 1987-2003 | 507 | 1,703 | 100 | 1,098 | 2 | 3,410 | 6 | 697 | 18 | 6 | - | 727 | 4,137 |
| 2004 | 1,249 | 682 | 60 | 827 | f/ | 2,817 | 180 | 654 | 36 | 21 | - | 892 | 3,709 |
| 2005 | 370 | 521 | 40 | 995 | f/ | 1,927 | - | 245 | 13 | 1 | - | 259 | 2,187 |
| 2006 | 702 | 729 | 21 | 717 | f/ | 2,169 | f/ | 361 | 3 | 17 | - | 381 | 2,550 |
| 2007 | 851 | 393 | 1 | 343 | f/ | 1,589 | 71 | 403 | 1 | 16 | - | 490 | 2,079 |
| 2008 | 780 | 1,127 | 70 | 732 | f/ | 2,709 | 352 | 1,024 | 64 | 55 | f/ | 1,495 | 4,204 |
| 2009 | 474 | 974 | 98 | 1,110 | f/ | 2,656 | 154 | 611 | 39 | 26 | - | 830 | 3,486 |
| 2010 | 2,021 | 965 | 165 | 834 | 1 | 3,986 | 633 | 490 | 94 | 35 | - | 1,252 | 5,238 |
| 2011 | 1,225 | 1,518 | 143 | 759 | f/ | 3,645 | 192 | 627 | 32 | 32 | - | 883 | 4,528 |
| 2012 | 1,089 | 928 | 113 | 153 | f/ | 2,283 | 76 | 360 | 5 | 12 | - | 453 | 2,737 |
| 2013 | 940 | 2,156 | 108 | 499 | f/ | 3,703 | 91 | 1,053 | 23 | 6 | - | 1,173 | 4,876 |
| 2014[g/] | 628 | 1,621 | 141 | 1,660 | f/ | 4,050 | 279 | 887 | 14 | 34 | - | 1,215 | 5,264 |
| 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 | 230 | 635 | 234 | 439 | f/ | 1,537 | 51 | 253 | 43 | 20 | - | 367 | 1,905 |
| 2012 | 181 | 407 | 204 | 92 | f/ | 885 | 13 | 137 | 7 | 6 | - | 163 | 1,048 |
| 2013 | 144 | 846 | 186 | 267 | f/ | 1,442 | 17 | 503 | 35 | 5 | - | 560 | 2,002 |
| 2014[g/] | 117 | 886 | 247 | 1,419 | f/ | 2,669 | 55 | 516 | 24 | 38 | - | 634 | 3,302 |

TABLE IV-9. Landings, exvessel values and average prices (inflation adjusted, 2014 dollars) of inriver commercial harvest of Columbia River salmon.[a/] (Page 2 of 2)

| Year or Avg. | Non-Indian Gillnet[b/] Chinook Spring | Chinook Fall Brights[d/] | Chinook Fall Tules | Coho | Chum | TOTAL | Treaty Indian[c/] - All Gears Chinook Spring | Chinook Fall Brights[d/] | Chinook Fall Tules | Coho | Chum | TOTAL | Columbia River Total By State |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Washington[g/h/i/]** | | | | | | | | | | | | | |
| Average Price Per Landed Pound[e/] (dollars) | | | | | | | | | | | | | |
| 1987-2003 | 2.59 | - | | 2.18 | - | - | - | 2.29 | | - | - | | |
| 2004 | 4.22 | 1.64 | | 1.21 | 0.94 | - | 1.99 | 0.60 | | 0.35 | - | | |
| 2005 | 4.20 | 2.21 | | 1.52 | - | - | 2.69 | 1.60 | | 0.64 | 0.57 | | |
| 2006 | 7.47 | 2.84 | | 1.40 | 1.08 | - | 4.96 | 1.51 | | 0.89 | 1.00 | | |
| 2007 | 7.33 | 2.79 | | 1.38 | 1.06 | - | 4.86 | 1.49 | | 0.87 | 0.98 | | |
| 2008 | 5.74 | 1.93 | | 1.23 | 0.64 | - | 3.26 | 1.01 | | 0.62 | - | | |
| 2009 | 5.36 | 2.09 | | 1.40 | 0.64 | - | 4.04 | 1.22 | | 0.94 | - | | |
| 2010 | 4.71 | 2.00 | | 1.58 | 0.61 | - | 3.68 | 1.91 | | 1.50 | 3.28 | | |
| 2011 | 6.46 | 2.10 | | 1.68 | 0.44 | - | 4.90 | 1.78 | | 1.30 | - | | |
| 2012 | 6.23 | 2.17 | | 1.86 | - | - | 4.64 | 1.92 | | 1.19 | - | | |
| 2013 | 5.36 | 1.62 | | 1.13 | 0.46 | - | 4.71 | 1.45 | | 0.98 | 1.08 | | |
| 2014 | | | | | | | | | | | | | |
| Exvessel Value (thousands of dollars) | | | | | | | | | | | | | |
| 1987-2003 | 240 | 659 | | 456 | 1 | 1,342 | 60 | 1,073 | | 15 | - | 1,145 | 2,487 |
| 2004 | 331 | 531 | | 423 | f/ | 1,284 | 201 | 529 | | 12 | - | 741 | 2,026 |
| 2005 | 260 | 385 | | 231 | f/ | 877 | 133 | 844 | | 12 | - | 989 | 1,865 |
| 2006 | 366 | 480 | | 315 | - | 1,161 | 484 | 1,448 | | 29 | f/ | 1,961 | 3,122 |
| 2007 | 141 | 256 | | 279 | f/ | 676 | f/ | 1,381 | | 58 | f/ | 1,440 | 2,116 |
| 2008 | 343 | 555 | | 302 | f/ | 1,201 | 1,060 | 1,742 | | 161 | f/ | 2,962 | 4,163 |
| 2009 | 340 | 583 | | 321 | f/ | 1,245 | 669 | 887 | | 27 | - | 1,583 | 2,828 |
| 2010 | 581 | 548 | | 347 | 2 | 1,477 | 2,123 | 1,858 | | 24 | - | 4,004 | 5,481 |
| 2011 | 370 | 783 | | 250 | 1 | 1,403 | 1,749 | 3,049 | | 244 | 1 | 5,042 | 6,446 |
| 2012 | 340 | 750 | | 64 | f/ | 1,154 | 950 | 1,757 | | 37 | - | 2,744 | 3,898 |
| 2013 | 198 | 1,373 | | 221 | - | 1,792 | 888 | 4,317 | | 111 | - | 5,315 | 7,107 |
| 2014 | 247 | 1,369 | | 594 | f/ | 2,210 | 1,980 | 5,126 | | 362 | 2 | 7,469 | 9,679 |
| 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 |
| 2012 | 53 | 355 | | 38 | f/ | 446 | 194 | 980 | | 28 | - | 1,202 | 1,648 |
| 2013 | 32 | 630 | | 119 | - | 781 | 191 | 2,244 | | 93 | - | 2,528 | 3,309 |
| 2014 | 46 | 846 | | 524 | f/ | 1,416 | 421 | 3,540 | | 369 | 2 | 4,332 | 5,748 |

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)

| | Angler Trips | | Chinook Catch[a/] | | Coho Catch[a/] | |
|---|---|---|---|---|---|---|
| Year or Avg. | 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 | 29.5 | 62.2 | 18.7 | 31.1 | b/ | 0.3 |
| 2012 | 52.7 | 95.3 | 44.2 | 79.7 | b/ | 0.1 |
| 2013 | 55.0 | 92.3 | 49.2 | 66.9 | b/ | 0.3 |
| 2014[c/] | 48.1 | 72.1 | 33.7 | 41.1 | - | 0.5 |
| | | | **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 | 5.9 | 42.8 | 0.6 | 4.6 | 3.5 | 15.3 |
| 2012 | 6.6 | 60.7 | 1.5 | 17.3 | 3.0 | 13.1 |
| 2013 | 7.4 | 78.9 | 1.8 | 28.6 | 3.5 | 11.1 |
| 2014[c/] | 14.5 | 107.0 | 1.3 | 17.2 | 19.0 | 80.6 |

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)

| | Angler Trips | | Chinook Catch[a/] | | Coho Catch[a/] | |
|---|---|---|---|---|---|---|
| Year or Avg. | 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 | 22.2 | 49.2 | 9.8 | 19.3 | 15.1 | 24.4 |
| 2012 | 24.5 | 50.5 | 11.8 | 21.8 | 11.8 | 19.3 |
| 2013 | 24.7 | 52.3 | 9.2 | 19.6 | 17.9 | 27.9 |
| 2014[c/] | 34.6 | 78.1 | 12.1 | 27.7 | 46.0 | 73.3 |

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 | 0.0 | 1.5 | 4.4 | 17.5 | 6.0 | 29.5 |
| 2012 | 0.2 | 3.6 | 4.2 | 33.7 | 11.0 | 52.7 |
| 2013 | a/ | 4.1 | 5.5 | 40.4 | 4.9 | 55.0 |
| 2014[b/] | 0.1 | 3.2 | 5.4 | 33.9 | 5.5 | 48.1 |
| | | | **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 | 0.8 | 12.7 | 9.9 | 16.9 | 21.9 | 62.2 |
| 2012 | 7.7 | 20.0 | 10.6 | 23.8 | 33.3 | 95.3 |
| 2013 | 7.0 | 18.6 | 11.7 | 29.2 | 25.7 | 92.3 |
| 2014[b/] | 4.3 | 13.0 | 12.1 | 20.8 | 22.0 | 72.1 |
| | | | **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 | 0.8 | 14.2 | 14.4 | 34.4 | 28.0 | 91.7 |
| 2012 | 7.8 | 23.6 | 14.8 | 57.5 | 44.3 | 148.0 |
| 2013 | 7.0 | 22.8 | 17.3 | 69.5 | 30.7 | 147.3 |
| 2014[b/] | 4.4 | 16.2 | 17.5 | 54.6 | 27.5 | 120.3 |

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. (Page 1 of 2)

| 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 | 1.6 | 0.5 | 3.6 | 0.1 | 0.1 | 5.9 |
| 2012 | 1.7 | 0.4 | 3.7 | 0.5 | 0.2 | 6.6 |
| 2013 | 1.7 | 0.6 | 4.2 | 0.3 | 0.6 | 7.4 |
| 2014[b/] | 2.6 | 1.0 | 10.2 | 0.3 | 0.4 | 14.5 |
| | | | **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 | 5.8 | 12.3 | 8.3 | 10.2 | 6.2 | 42.8 |
| 2012 | 3.1 | 12.0 | 11.1 | 16.0 | 18.6 | 60.7 |
| 2013 | 4.4 | 13.5 | 11.1 | 29.5 | 19.5 | 78.1 |
| 2014[b/] | 9.7 | 24.2 | 27.0 | 29.5 | 16.7 | 107.0 |

TABLE IV-12. Estimates of Oregon recreational ocean salmon angler trips (thousands) by port area and boat type. (Page 2 of 2)

| Year or Avg. | Astoria | Tillamook | Newport | Coos Bay | Brookings | State Total |
|---|---|---|---|---|---|---|
| | | | **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 | 7.4 | 12.8 | 12.0 | 10.3 | 6.3 | 48.8 |
| 2012 | 4.8 | 12.4 | 14.8 | 16.5 | 18.8 | 67.3 |
| 2013 | 6.1 | 14.1 | 15.3 | 29.8 | 20.1 | 85.5 |
| 2014[b/] | 12.3 | 25.2 | 37.2 | 29.8 | 17.1 | 121.5 |

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. (Page 1 of 2)

| 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 | 0.5 | 0.7 | 14.1 | 6.9 | 22.2 |
| 2012 | 0.8 | 0.7 | 16.2 | 6.9 | 24.5 |
| 2013 | 0.9 | 0.7 | 15.9 | 7.1 | 24.7 |
| 2014[d/] | 1.1 | 1.1 | 22.7 | 9.7 | 34.6 |
| | | | **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 | 10.6 | 3.6 | 19.4 | 15.7 | 49.2 |
| 2012 | 12.7 | 3.3 | 21.1 | 13.4 | 50.5 |
| 2013 | 14.4 | 3.6 | 20.0 | 14.4 | 52.3 |
| 2014[d/] | 15.4 | 3.9 | 31.2 | 27.6 | 78.1 |

TABLE IV-13. Estimates of Washington recreational ocean salmon angler trips (thousands) by port area and boat type. (Page 2 of 2)

| Year or Avg. | Neah Bay[a/] | La Push | Westport | Ilwaco[b/] | State Total |
|---|---|---|---|---|---|
| | | | **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 | 11.1 | 4.2 | 33.5 | 22.5 | 71.4 |
| 2012 | 13.4 | 3.9 | 37.3 | 20.3 | 75.0 |
| 2013 | 15.4 | 4.3 | 35.9 | 21.5 | 77.0 |
| 2014[d/] | 16.5 | 5.1 | 53.9 | 37.2 | 112.7 |

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)

| | Columbia River and Buoy 10 | | | | | Westport | | | La Push | | | Neah Bay and Area 4B Add-On | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | 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 | 10.5 | 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 |
| 2012 | 9.5 | 79.3 | 88.8 | 2.7 | 91.5 | 16.2 | 21.1 | 37.3 | 0.7 | 3.3 | 3.9 | 0.8 | 12.7 | 13.4 |
| 2013 | 10.2 | 82.3 | 92.5 | 4.8 | 97.2 | 15.9 | 20.0 | 35.9 | 0.7 | 3.6 | 4.3 | 0.9 | 14.4 | 15.4 |
| 2014[b/] | 12.8 | 140.3 | 153.1 | 10.9 | 164.0 | 22.5 | 31.2 | 53.8 | 1.1 | 3.9 | 5.1 | 1.1 | 15.4 | 16.5 |

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)

| | Columbia River and Buoy 10 | | | | | Westport | | | La Push | | | Neah Bay and Area 4B Add-On | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | 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 | 3.6 | 1.8 | 4.5 | 0.9 | 5.4 | 13.9 | 2.4 | 16.3 | 0.5 | 4.8 | 5.3 | 1.2 | 14.2 | 15.4 |
| 2012 | 3.2 | 2.0 | 5.2 | 0.6 | 5.8 | 15.5 | 2.5 | 18.0 | 0.4 | 5.9 | 6.3 | 0.9 | 13.5 | 14.4 |
| 2013 | 3.3 | 2.2 | 5.6 | 0.4 | 6.0 | 14.5 | 2.9 | 17.3 | 0.4 | 5.2 | 5.6 | 0.7 | 15.9 | 16.6 |
| 2014[b/] | 3.0 | 1.5 | 4.5 | 0.8 | 5.3 | 13.8 | 2.7 | 16.5 | 0.4 | 5.0 | 5.4 | 0.8 | 17.6 | 18.4 |

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)

| | Columbia River and Buoy 10 | | | | | Westport | | | La Push | | | Neah Bay and Area 4B Add-On | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | 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 | 3.6 | 21.7 | 25.3 | - | 25.3 | - | - | - | - | - | - | - | - | - |
| 2012 | 2.4 | 16.5 | 18.9 | - | 18.9 | - | - | - | - | - | - | - | - | - |
| 2013 | 1.5 | 14.8 | 16.3 | - | 16.3 | - | - | - | - | - | - | - | - | - |
| 2014[b/] | 0.1 | 1.5 | 1.7 | - | 1.7 | - | - | - | - | - | - | - | - | - |

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[a/b/] and Area 4B add-on recreational salmon angler trips and catch by boat type. (Page 1 of 2)

| | Angler Trips | | | Chinook Catch | | | Coho Catch | | | Pink Catch | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Year or Avg. | 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 | 70 | 30,074 | 1,705 | 3 | 7,150 | 34 | 6 | 5,029 | 315 | 0 | 0 |
| 2012 | 468 | 39,753 | 1,368 | 52 | 12,934 | 22 | 42 | 4,909 | 104 | 0 | 0 |
| 2013 | 459 | 40,648 | 1,754 | 81 | 15,448 | 41 | 50 | 4,638 | 148 | 0 | 0 |
| 2014[c/] | 237 | 70,402 | 3,696 | 13 | 19,033 | 41 | 385 | 39,873 | 2,295 | 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 | 372 | 17,188 | - | 43 | 3,689 | - | 70 | 2,194 | - | 0 | 0 |
| 2012 | 447 | 23,034 | - | 51 | 5,491 | - | 82 | 2,248 | - | 0 | 0 |
| 2013 | 93 | 22,813 | - | 6 | 7,018 | - | 27 | 2,757 | - | 0 | 0 |
| 2014[c/] | 179 | 32,675 | 333 | - | 7,701 | - | 179 | 14,673 | 339 | 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)

| | Angler Trips | | | Chinook Catch | | | Coho Catch | | | Pink Catch | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Year or Avg. | 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 | 442 | 47,262 | 1,705 | 46 | 10,839 | 34 | 76 | 7,223 | 315 | 0 | 0 |
| 2012 | 915 | 62,787 | 1,368 | 103 | 18,425 | 22 | 124 | 7,157 | 104 | 0 | 0 |
| 2013 | 552 | 63,461 | 1,754 | 87 | 22,466 | 41 | 77 | 7,395 | 148 | 0 | 0 |
| 2014[c/] | 416 | 103,077 | 4,029 | 13 | 26,734 | 41 | 564 | 54,546 | 2,634 | 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 | - | - | - | - | - | - | - | - | - | 0 | 0 |
| 2006[e/] | - | - | - | - | - | - | - | - | - | 0 | 0 |
| 2007 | - | - | - | - | - | - | - | - | - | 0 | 0 |
| 2008 | - | 782 | - | - | 11 | - | - | 137 | - | 0 | 0 |
| 2009[f/] | - | - | - | - | - | - | - | - | - | 0 | 0 |

a/ From 2000, catch downstream of boundary line from Tongue Pt., OR to Rocky Pt., WA. Prior to 2000, only catch downstream of Astoria-Megler Br.

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 has been no Area 4B add-on fishery planned since 2008.

TABLE IV-16. Estimates of California coastal community and state personal income impacts in thousands of real (inflation adjusted, 2014) 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 | 6,497 | 16,503 | 16,182 | 21,227 | 9,111 | 69,520 | 89,376 |
| 1981-1985 | 3,290 | 3,970 | 9,291 | 17,538 | 5,976 | 40,065 | 49,882 |
| 1986-1990 | 1,237 | 3,063 | 16,295 | 31,641 | 11,833 | 64,070 | 78,632 |
| 1991-1995 | 10 | 145 | 1,024 | 11,908 | 6,784 | 19,871 | 23,946 |
| 1996-2000 | 11 | 173 | 723 | 12,466 | 7,558 | 20,931 | 22,146 |
| 2001 | 15 | 318 | 1,052 | 11,052 | 2,338 | 14,776 | 15,337 |
| 2002 | 278 | 533 | 3,797 | 15,795 | 4,254 | 24,658 | 26,194 |
| 2003 | 225 | 39 | 15,433 | 16,080 | 2,536 | 34,314 | 38,163 |
| 2004 | 1,978 | 437 | 7,568 | 23,776 | 5,351 | 39,110 | 39,933 |
| 2005 | 148 | 445 | 5,517 | 13,737 | 7,210 | 27,057 | 27,734 |
| 2006 | - | - | 2,515 | 6,503 | 1,003 | 10,021 | 10,332 |
| 2007 | 338 | 839 | 3,467 | 8,276 | 1,687 | 14,607 | 14,868 |
| 2008 | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - |
| 2010[e/] | - | 36 | 1,811 | 143 | 164 | 2,154 | 2,237 |
| 2011 | 69 | 445 | 5,035 | 2,263 | 995 | 8,807 | 9,096 |
| 2012 | 40 | 698 | 4,782 | 10,826 | 5,853 | 22,198 | 22,759 |
| 2013 | 227 | 1,936 | 13,109 | 19,525 | 4,082 | 38,879 | 39,763 |
| 2014[d/] | 221 | 871 | 8,505 | 9,551 | 1,055 | 20,203 | 20,690 |
| | | | | **RECREATIONAL** | | | |
| 1976-1980 | 1,260 | 1,461 | 851 | 12,790 | 857 | 17,220 | 19,316 |
| 1981-1985 | 1,381 | 1,423 | 682 | 11,327 | 904 | 15,717 | 17,691 |
| 1986-1990 | 2,339 | 2,438 | 1,189 | 13,843 | 3,720 | 23,529 | 27,420 |
| 1991-1995 | 848 | 913 | 1,379 | 11,709 | 5,608 | 20,458 | 24,020 |
| 1996-2000 | 393 | 723 | 1,409 | 11,739 | 5,157 | 19,421 | 22,594 |
| 2001 | 365 | 792 | 2,138 | 7,821 | 3,134 | 14,250 | 15,181 |
| 2002 | 163 | 881 | 2,261 | 9,819 | 4,838 | 17,962 | 19,077 |
| 2003 | 92 | 663 | 1,708 | 7,116 | 2,329 | 11,909 | 12,615 |
| 2004 | 139 | 1,112 | 2,214 | 11,513 | 4,519 | 19,498 | 20,625 |
| 2005 | 105 | 704 | 1,791 | 8,708 | 3,292 | 14,600 | 15,437 |
| 2006 | 62 | 695 | 1,476 | 5,916 | 1,982 | 10,131 | 10,753 |
| 2007 | 88 | 907 | 1,191 | 4,193 | 1,452 | 7,831 | 8,378 |
| 2008 | - | - | 27 | - | - | 27 | 31 |
| 2009 | 47 | 234 | - | - | - | 281 | 328 |
| 2010 | 9 | 196 | 429 | 1,742 | 1,161 | 3,536 | 3,771 |
| 2011 | 32 | 725 | 990 | 3,427 | 1,810 | 6,984 | 7,485 |
| 2012 | 342 | 1,301 | 987 | 6,179 | 3,000 | 11,809 | 12,599 |
| 2013 | 300 | 1,318 | 1,206 | 7,427 | 1,830 | 12,080 | 12,802 |
| 2014[d/] | 198 | 960 | 1,203 | 6,052 | 1,741 | 10,154 | 10,777 |

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, 2014) 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 | 4,171 | 5,369 | 12,594 | 19,381 | 8,057 | 49,572 | 67,211 |
| 1981-1985 | 1,351 | 1,738 | 4,076 | 7,189 | 3,121 | 17,475 | 23,749 |
| 1986-1990 | 624 | 3,637 | 8,094 | 15,602 | 2,957 | 30,913 | 41,749 |
| 1991-1995 | 87 | 678 | 2,778 | 1,349 | 138 | 5,030 | 6,781 |
| 1996-2000 | 144 | 284 | 2,940 | 1,697 | 409 | 5,475 | 6,672 |
| 2001 | 392 | 800 | 5,992 | 3,148 | 646 | 10,979 | 13,364 |
| 2002 | 1,122 | 950 | 5,131 | 4,536 | 820 | 12,560 | 15,211 |
| 2003 | 1,099 | 996 | 6,643 | 6,040 | 712 | 15,489 | 18,741 |
| 2004 | 927 | 741 | 6,562 | 7,140 | 1,529 | 16,898 | 18,262 |
| 2005 | 768 | 1,279 | 5,466 | 5,414 | 1,282 | 14,208 | 15,353 |
| 2006 | 1,004 | 625 | 1,642 | 442 | 385 | 4,099 | 4,398 |
| 2007 | 296 | 420 | 684 | 1,994 | 794 | 4,189 | 4,496 |
| 2008 | 423 | 206 | - | - | 73 | 702 | 740 |
| 2009 | 173 | 162 | 142 | 20 | 43 | 539 | 576 |
| 2010 | 962 | 279 | 1,396 | 948 | 374 | 3,959 | 4,258 |
| 2011 | 239 | 101 | 555 | 1,903 | 513 | 3,311 | 3,557 |
| 2012 | 693 | 487 | 2,082 | 1,825 | 709 | 5,796 | 6,240 |
| 2013 | 291 | 595 | 1,912 | 6,069 | 1,271 | 10,138 | 10,908 |
| 2014[d/] | 1,528 | 1,175 | 6,835 | 7,510 | 2,449 | 19,496 | 21,036 |
| | | | | **RECREATIONAL** | | | |
| 1979 | 3,496 | 1,116 | 5,317 | 5,383 | 2,591 | 17,904 | 23,083 |
| 1980 | 4,221 | 1,855 | 5,870 | 5,642 | 2,518 | 20,106 | 25,895 |
| 1981-1985 | 2,061 | 1,662 | 3,969 | 4,048 | 2,817 | 14,557 | 18,897 |
| 1986-1990 | 1,411 | 1,765 | 5,493 | 4,001 | 2,932 | 15,602 | 20,312 |
| 1991-1995 | 958 | 772 | 1,747 | 1,560 | 1,101 | 6,137 | 7,958 |
| 1996-2000 | 371 | 425 | 419 | 462 | 889 | 2,566 | 3,383 |
| 2001 | 1,441 | 776 | 1,831 | 1,535 | 1,071 | 6,654 | 8,156 |
| 2002 | 840 | 1,101 | 1,444 | 1,683 | 789 | 5,857 | 7,209 |
| 2003 | 1,226 | 1,273 | 2,888 | 2,103 | 619 | 8,109 | 9,975 |
| 2004 | 1,101 | 1,384 | 2,667 | 1,987 | 765 | 7,905 | 9,735 |
| 2005 | 799 | 571 | 906 | 1,235 | 510 | 4,022 | 4,929 |
| 2006 | 574 | 673 | 712 | 883 | 434 | 3,275 | 4,025 |
| 2007 | 805 | 913 | 1,381 | 1,105 | 445 | 4,650 | 5,715 |
| 2008 | 231 | 360 | 299 | 300 | 193 | 1,383 | 1,702 |
| 2009 | 811 | 985 | 1,992 | 594 | 245 | 4,627 | 5,697 |
| 2010 | 621 | 553 | 868 | 344 | 234 | 2,620 | 3,213 |
| 2011 | 485 | 542 | 840 | 419 | 245 | 2,531 | 3,112 |
| 2012 | 395 | 512 | 961 | 695 | 745 | 3,308 | 4,084 |
| 2013 | 444 | 602 | 1,031 | 1,199 | 829 | 4,105 | 5,064 |
| 2014[d/] | 795 | 1,069 | 2,503 | 1,191 | 693 | 6,250 | 7,711 |

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, 2014) 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 Total[c/d/] | Puget Sound | State Total |
|---|---|---|---|---|---|---|---|
| | | | **OCEAN TROLL[e/f/]** | | | | |
| 1976-1980 | 6,023 | 8,224 | 16,304 | 5,838 | 36,390 | 8,105 | 58,053 |
| 1981-1985 | 1,184 | 479 | 4,467 | 1,069 | 7,199 | 1,729 | 11,316 |
| 1986-1990 | 655 | 172 | 2,052 | 446 | 3,326 | 1,001 | 5,449 |
| 1991-1995[g/] | 482 | 106 | 686 | 49 | 1,325 | 193 | 1,950 |
| 1996-2000 | 162 | 3 | 196 | 19 | 380 | 100 | 522 |
| 2001 | 321 | 0 | 668 | 45 | 1,034 | 0 | 1,119 |
| 2002 | 663 | 86 | 1,164 | 194 | 2,107 | 0 | 2,323 |
| 2003 | 1,206 | 203 | 995 | 146 | 2,550 | 46 | 2,956 |
| 2004 | 888 | 280 | 1,104 | 108 | 2,380 | 28 | 2,751 |
| 2005 | 728 | 435 | 1,120 | 138 | 2,421 | 1 | 2,735 |
| 2006 | 542 | 439 | 421 | 283 | 1,684 | 36 | 1,994 |
| 2007 | 239 | 243 | 993 | 123 | 1,599 | 21 | 1,778 |
| 2008 | 156 | 206 | 590 | 157 | 1,109 | 13 | 1,250 |
| 2009 | 317 | 327 | 1,141 | 79 | 1,864 | 36 | 2,125 |
| 2010 | 342 | 537 | 4,061 | 88 | 5,029 | - | 5,253 |
| 2011 | 780 | 308 | 1,457 | 87 | 2,632 | - | 2,919 |
| 2012 | 1,163 | 671 | 1,485 | 206 | 3,525 | - | 3,991 |
| 2013 | 716 | 666 | 2,843 | 69 | 4,293 | 0 | 4,680 |
| 2014 | 578 | 679 | 1,655 | 1,035 | 3,947 | 1 | 4,468 |
| | | | **RECREATIONAL** | | | | |
| 1976-1980 | 2,219 | 1,101 | 22,072 | 10,804 | 36,197 | - | 48,932 |
| 1981-1985 | 1,342 | 137 | 8,685 | 4,463 | 14,627 | - | 19,795 |
| 1986-1990 | 1,030 | 118 | 4,928 | 2,657 | 8,733 | - | 11,828 |
| 1991-1995 | 547 | 107 | 3,042 | 1,543 | 5,238 | - | 7,084 |
| 1996-2000 | 290 | 79 | 1,424 | 697 | 2,490 | - | 3,356 |
| 2001 | 811 | 165 | 6,026 | 3,818 | 10,820 | - | 12,641 |
| 2002 | 689 | 176 | 5,551 | 3,039 | 9,456 | - | 11,048 |
| 2003 | 1,002 | 281 | 6,252 | 4,050 | 11,585 | - | 13,553 |
| 2004 | 1,175 | 249 | 5,100 | 3,343 | 9,867 | - | 11,569 |
| 2005 | 806 | 252 | 4,655 | 2,707 | 8,419 | - | 9,859 |
| 2006 | 528 | 221 | 3,437 | 2,105 | 6,291 | - | 7,364 |
| 2007 | 538 | 172 | 3,527 | 2,750 | 6,988 | - | 8,170 |
| 2008 | 234 | 103 | 2,320 | 980 | 3,636 | - | 4,249 |
| 2009 | 629 | 276 | 4,426 | 3,029 | 8,359 | - | 9,777 |
| 2010 | 453 | 226 | 4,431 | 2,120 | 7,231 | - | 8,450 |
| 2011 | 448 | 245 | 3,545 | 1,943 | 6,181 | - | 7,231 |
| 2012 | 568 | 235 | 4,027 | 1,869 | 6,698 | - | 7,841 |
| 2013 | 659 | 250 | 3,927 | 1,947 | 6,783 | - | 7,947 |
| 2014 | 729 | 344 | 5,688 | 2,937 | 9,698 | - | 11,345 |

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, 2014) dollars of the inriver commercial salmon fishery on Oregon and Washington Columbia River communities.[a/]

| Year or Avg. | Non-Indian - Gillnet[b/] Chinook Spring | Chinook Fall Brights[d/] | Chinook Fall Tules | Coho | Chum | TOTAL | Treaty Indian - All Gears[c/] Chinook Spring | Chinook Fall Brights[d/] | Chinook Fall Tules | Coho | Chum | TOTAL | Columbia River Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Oregon** | | | | | | | | | | | | | |
| 1987-2003 | 984 | 2,563 | 260 | 1,913 | 3 | 5,723 | 13 | 1,080 | 77 | 11 | e/ | 1,181 | 6,903 |
| 2004 | 2,290 | 1,518 | 323 | 1,842 | 1 | 5,974 | 382 | 1,559 | 375 | 58 | - | 2,374 | 8,348 |
| 2005 | 688 | 1,103 | 192 | 2,016 | e/ | 3,999 | - | 582 | 89 | 1 | - | 671 | 4,671 |
| 2006 | 1,246 | 1,432 | 94 | 1,353 | e/ | 4,125 | 1 | 776 | 15 | 32 | - | 824 | 4,949 |
| 2007 | 1,486 | 787 | e/ | 598 | e/ | 2,871 | 129 | 756 | e/ | 33 | - | 918 | 3,789 |
| 2008 | 1,342 | 2,139 | 201 | 1,385 | e/ | 5,066 | 626 | 1,934 | 210 | 110 | - | 2,880 | 7,946 |
| 2009 | 845 | 1,932 | 291 | 2,168 | e/ | 5,236 | 287 | 1,351 | 149 | 58 | - | 1,845 | 7,081 |
| 2010 | 3,563 | 1,902 | 462 | 1,541 | 2 | 7,471 | 1,138 | 977 | 258 | 58 | - | 2,431 | 9,901 |
| 2011 | 2,152 | 2,940 | 407 | 1,320 | e/ | 6,819 | 355 | 1,205 | 83 | 56 | - | 1,699 | 8,518 |
| 2012 | 1,884 | 1,809 | 336 | 269 | e/ | 4,299 | 132 | 681 | 13 | 20 | - | 846 | 5,145 |
| 2013 | 1,610 | 4,089 | 310 | 837 | e/ | 6,846 | 159 | 2,088 | 62 | 12 | - | 2,322 | 9,167 |
| 2014[f/] | 1,095 | 3,313 | 406 | 3,287 | e/ | 8,102 | 491 | 1,845 | 40 | 77 | - | 2,453 | 10,554 |
| **Washington[f/g/h/]** | | | | | | | | | | | | | |
| 1987-2003 | 434 | 1,104 | | 871 | 2 | 2,410 | 134 | 2,228 | | 36 | - | 2,398 | 4,808 |
| 2004 | 601 | 1,207 | | 944 | e/ | 2,751 | 446 | 1,773 | | 64 | - | 2,283 | 5,034 |
| 2005 | 479 | 855 | | 466 | e/ | 1,800 | 289 | 2,918 | | 52 | - | 3,260 | 5,060 |
| 2006 | 672 | 968 | | 592 | - | 2,232 | 968 | 3,204 | | 83 | e/ | 4,255 | 6,487 |
| 2007 | 239 | 486 | | 487 | e/ | 1,212 | 1 | 2,780 | | 138 | e/ | 2,919 | 4,131 |
| 2008 | 586 | 1,050 | | 580 | 1 | 2,216 | 1,893 | 3,890 | | 380 | e/ | 6,162 | 8,378 |
| 2009 | 595 | 1,200 | | 646 | 1 | 2,442 | 1,271 | 2,326 | | 77 | - | 3,673 | 6,115 |
| 2010 | 1,022 | 1,101 | | 656 | 4 | 2,784 | 3,883 | 4,412 | | 54 | - | 8,349 | 11,132 |
| 2011 | 660 | 1,582 | | 448 | 2 | 2,692 | 3,236 | 6,241 | | 447 | e/ | 9,924 | 12,616 |
| 2012 | 583 | 1,485 | | 111 | 1 | 2,180 | 1,682 | 3,628 | | 71 | - | 5,381 | 7,561 |
| 2013 | 340 | 2,693 | | 371 | - | 3,404 | 1,579 | 8,733 | | 218 | - | 10,531 | 13,935 |
| 2014[f/] | 432 | 2,900 | | 1,189 | e/ | 4,521 | 3,512 | 11,229 | | 809 | 4 | 15,550 | 20,070 |
| **Columbia River** | | | | | | | | | | | | | |
| 1987-2003 | 1,418 | 3,927 | | 2,783 | 5 | 8,133 | 147 | 3,385 | | 46 | e/ | 3,579 | 11,712 |
| 2004 | 2,890 | 3,048 | | 2,786 | 1 | 8,726 | 828 | 3,707 | | 122 | - | 4,657 | 13,383 |
| 2005 | 1,167 | 2,150 | | 2,482 | e/ | 5,799 | - | 3,588 | | 53 | - | 3,931 | 9,730 |
| 2006 | 1,918 | 2,494 | | 1,945 | - | 6,357 | 969 | 3,995 | | 115 | - | 5,079 | 11,435 |
| 2007 | 1,725 | 1,273 | | 1,085 | e/ | 4,083 | 130 | 3,536 | | 171 | - | 3,837 | 7,920 |
| 2008 | 1,928 | 3,389 | | 1,964 | 1 | 7,282 | 2,519 | 6,033 | | 490 | - | 9,042 | 16,324 |
| 2009 | 1,440 | 3,423 | | 2,813 | 1 | 7,678 | 1,557 | 3,826 | | 135 | - | 5,518 | 13,196 |
| 2010 | 4,585 | 3,465 | | 2,198 | 7 | 10,254 | 5,022 | 5,646 | | 112 | - | 10,780 | 21,034 |
| 2011 | 2,812 | 4,929 | | 1,769 | 2 | 9,512 | 3,591 | 7,529 | | 503 | - | 11,623 | 21,134 |
| 2012 | 2,467 | 3,631 | | 380 | 1 | 6,479 | 1,814 | 4,322 | | 90 | - | 6,227 | 12,705 |
| 2013 | 1,950 | 7,091 | | 1,208 | - | 10,250 | 1,739 | 10,883 | | 230 | - | 12,852 | 23,102 |
| 2014[f/] | 1,527 | 6,619 | | 4,476 | e/ | 12,622 | 4,003 | 13,114 | | 885 | - | 18,002 | 30,625 |

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 information.

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, 2014) dollars of the Buoy 10 recreational fishery in Oregon and Washington and the Area 4B add-on fishery in Washington.

| Year or Avg. | Total Angler Trips (thousands) | Income Impacts (thousands of dollars) Oregon | Washington | Total |
|---|---|---|---|---|
| | | **BUOY 10 (including bank fishing)** | | |
| 1987-1990 | 136 | 2,607 | 4,546 | 7,153 |
| 1991-1995 | 79 | 1,483 | 2,523 | 4,006 |
| 1996-2000 | 45 | 950 | 1,300 | 2,250 |
| 2001 | 126 | 2,655 | 2,803 | 5,459 |
| 2002 | 84 | 1,786 | 1,679 | 3,465 |
| 2003 | 89 | 2,116 | 1,465 | 3,581 |
| 2004 | 69 | 1,419 | 1,344 | 2,763 |
| 2005 | 55 | 1,418 | 782 | 2,200 |
| 2006 | 41 | 1,060 | 606 | 1,666 |
| 2007 | 36 | 878 | 658 | 1,536 |
| 2008 | 32 | 812 | 606 | 1,419 |
| 2009 | 73 | 1,718 | 1,189 | 2,907 |
| 2010 | 52 | 1,282 | 779 | 2,061 |
| 2011 | 49 | 1,317 | 688 | 2,006 |
| 2012 | 65 | 1,762 | 912 | 2,674 |
| 2013 | 66 | 1,814 | 833 | 2,646 |
| 2014 [b/] | 108 | 3,083 | 1,214 | 4,296 |
| | | **AREA 4B ADD-ON [c/]** | | |
| 1989-1990 | 12 | - | 644 | 644 |
| 1991-1995 | 6 | - | 375 | 375 |
| 1996-2000 | 3 | - | 135 | 135 |
| 2001 | - | - | - | - |
| 2002 | - | - | - | - |
| 2003 | - | - | - | - |
| 2004 | - | - | - | - |
| 2005 | - | - | - | - |
| 2006 | - | - | - | - |
| 2007 | - | - | - | - |
| 2008 | 1 | - | 32 | 32 |
| 2009 | - | - | - | - |
| 2010 | - | - | - | - |
| 2011 | - | - | - | - |
| 2012 | - | - | - | - |
| 2013 | - | - | - | - |
| 2014 [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.

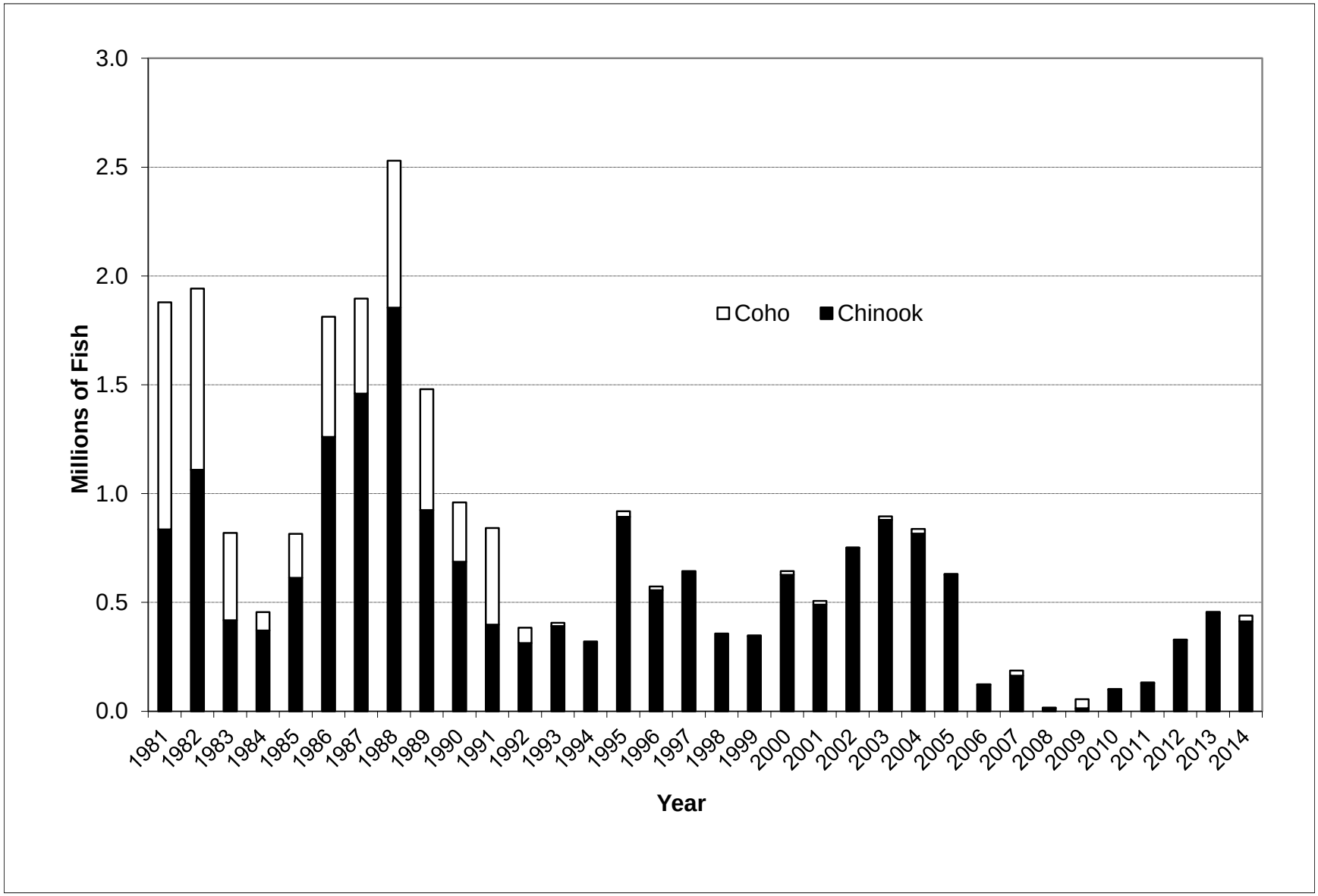



Figure IV-1. West Coast ocean non-Indian commercial Chinook and coho harvest.

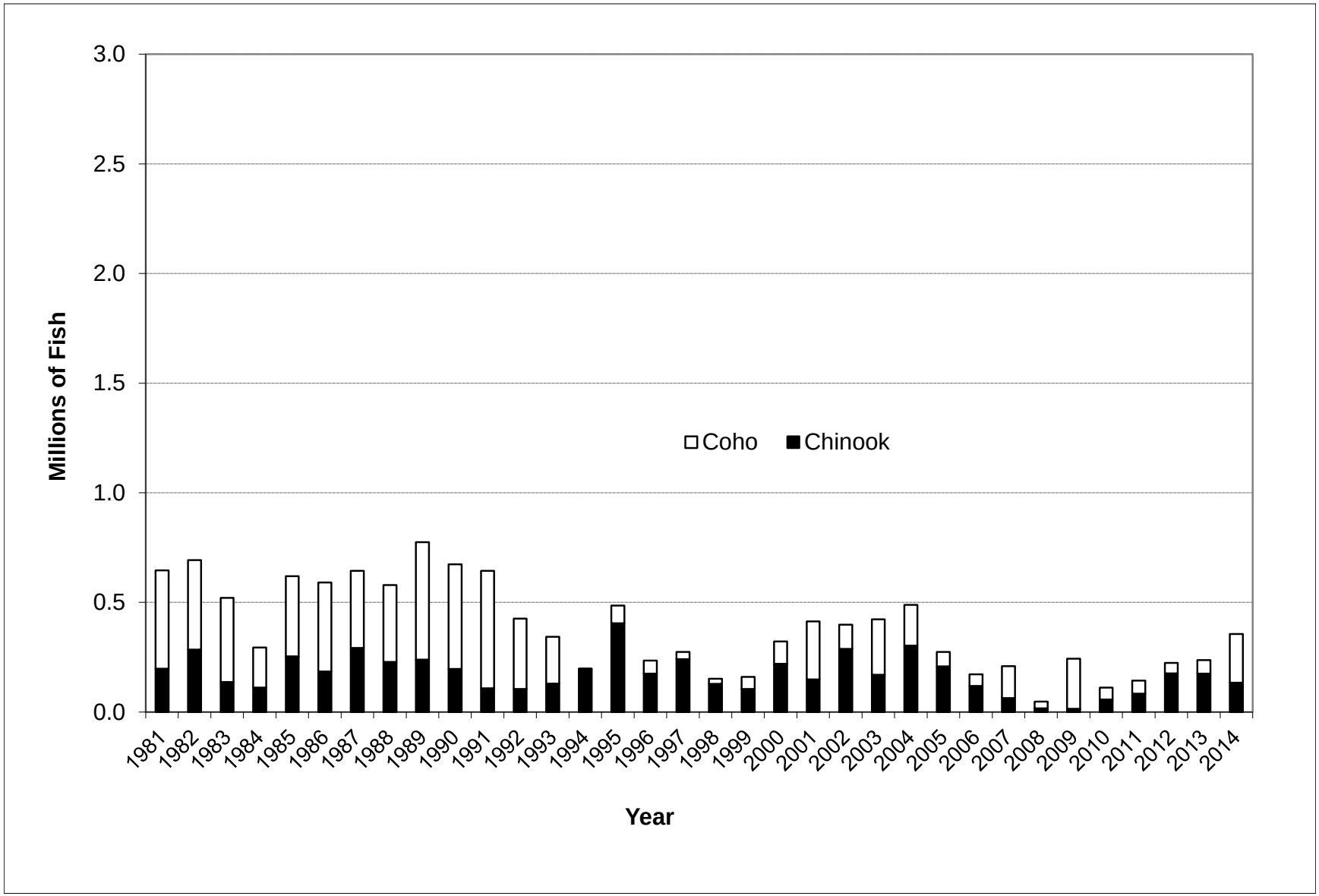



Figure IV-2. West Coast ocean recreational Chinook and coho harvest.

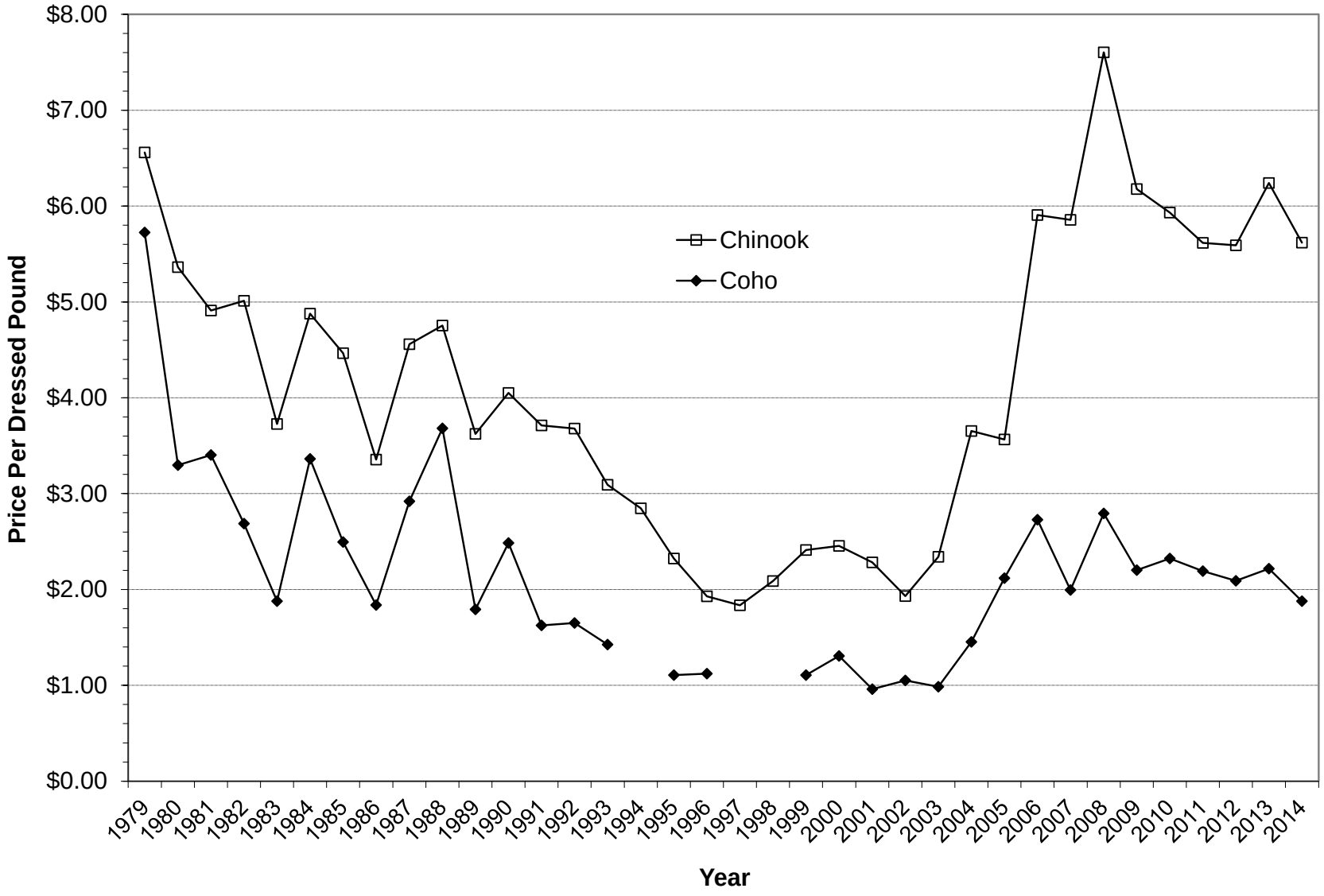



Figure IV-3. West Coast non-Indian ocean commercial salmon average annual exvessel prices (inflation adjusted, 2014 dollars).

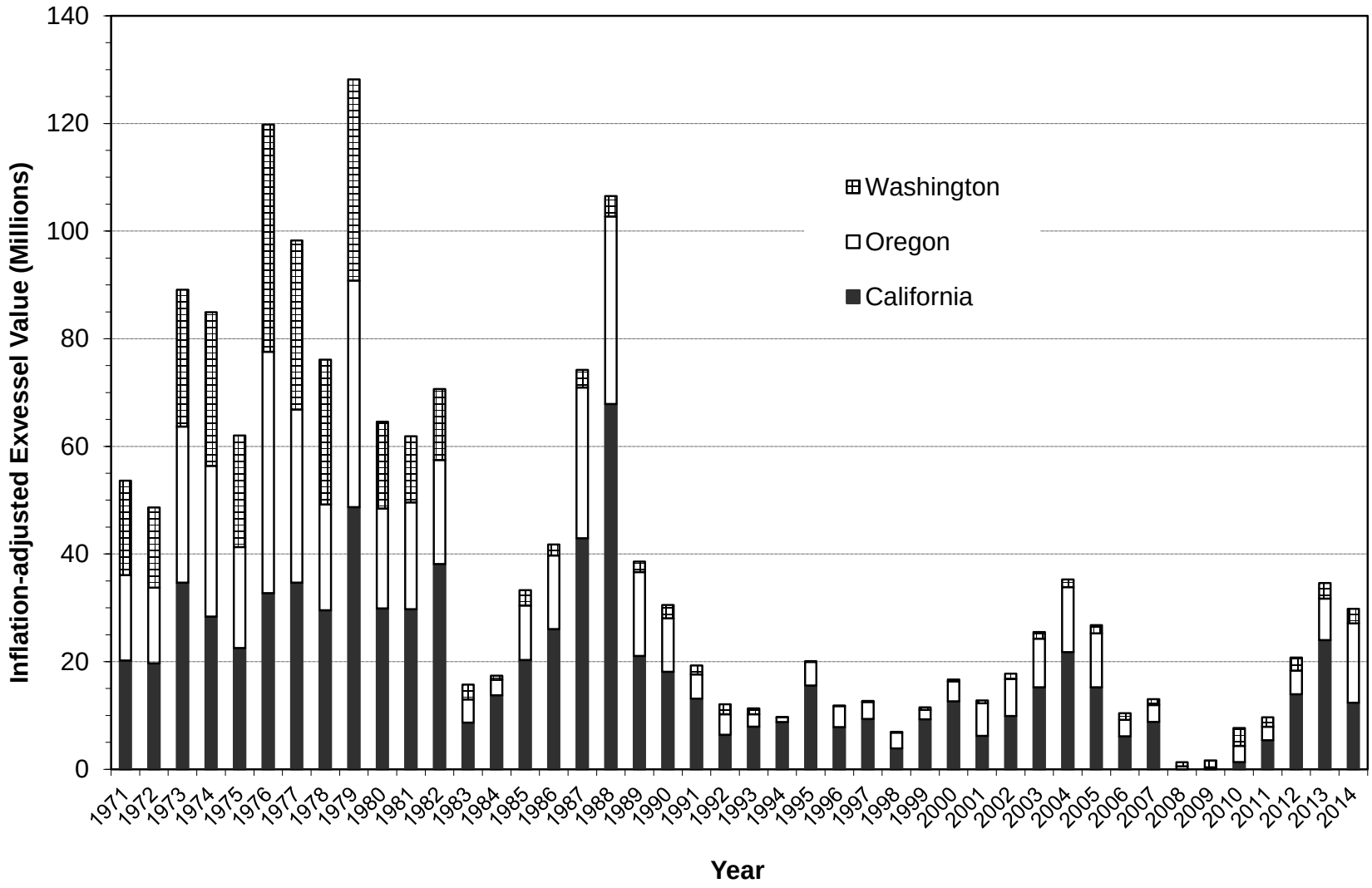



Figure IV-4. Exvessel value of West Coast non-Indian ocean commercial Chinook and coho landings by state of landing (inflation adjusted, 2014 dollars).

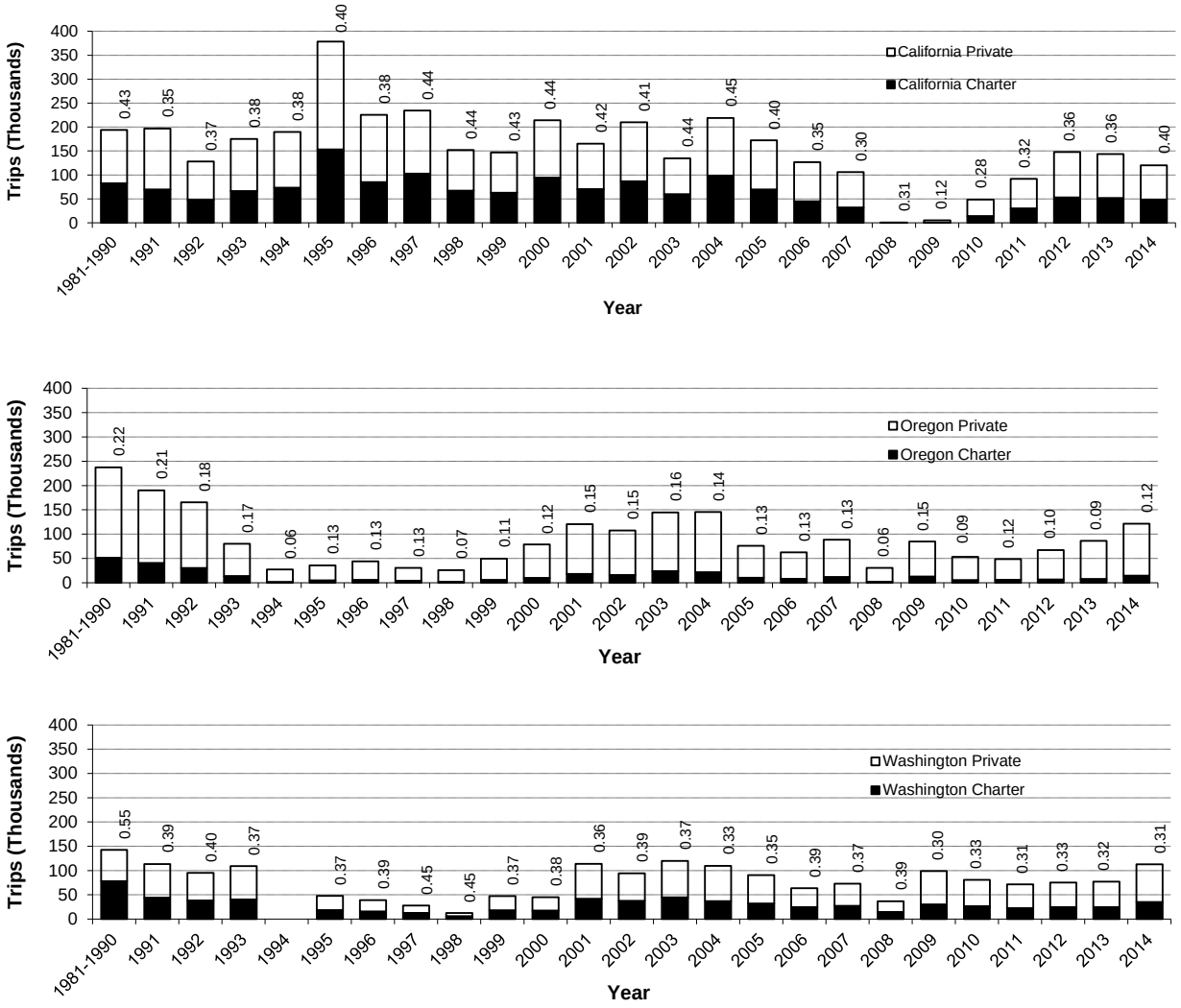



Figure IV-5. Total recreational ocean salmon trips for California, Oregon, and Washington, with proportion of charter trips shown above each bar.

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

### LIST OF TABLES

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

| Year or Avg. | Crescent City[a/] | Eureka | Fort Bragg | San Francisco | Monterey | Oregon | Season |
|---|---|---|---|---|---|---|---|
| | | | **DAYS FISHED** | | | | |
| 1978-1980 | 16,986 | 18,446 | 21,943 | 21,106 | 16,523 | 0 | 95,003 |
| 1981-1985 | 7,428 | 8,053 | 13,716 | 22,182 | 11,482 | 0 | 59,765 |
| 1986-1990 | 545 | 1,629 | 16,392 | 25,555 | 14,391 | 12 | 58,511 |
| 1991-1995 | - | 600 | 1,775 | 13,340 | 10,820 | 0 | 25,700 |
| 1996-2000 | 15 | 202 | 796 | 9,546 | 7,740 | 0 | 18,299 |
| 2001-2005 | 66 | 261 | 3,255 | 8,878 | 4,674 | 87 | 17,187 |
| 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 | 20 | 181 | 2,143 | 2,907 | 1,722 | - | 6,973 |
| 2012 | 45 | 260 | 2,221 | 7,505 | 4,491 | - | 14,522 |
| 2013 | 98 | 563 | 5,341 | 8,327 | 2,964 | - | 17,293 |
| 2014[b/] | 6 | 90 | 4,258 | 8,348 | 1,485 | - | 14,187 |
| | | | **CHINOOK LANDINGS** | | | | |
| 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 | 462,652 |
| 1986-1990 | 13,997 | 32,329 | 252,416 | 351,115 | 144,846 | 1,064 | 794,703 |
| 1991-1995 | - | 4,700 | 17,354 | 200,588 | 126,517 | 0 | 341,928 |
| 1996-2000 | 126 | 3,379 | 12,529 | 195,662 | 156,305 | 0 | 368,001 |
| 2001-2005 | 1,412 | 5,298 | 96,466 | 210,228 | 64,827 | 9,484 | 383,921 |
| 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 | 417 | 1,974 | 39,311 | 21,912 | 6,414 | - | 70,028 |
| 2012 | 400 | 4,831 | 38,282 | 119,100 | 52,972 | - | 215,585 |
| 2013 | 1,225 | 8,953 | 116,158 | 143,654 | 27,637 | - | 297,627 |
| 2014[b/] | 17 | 596 | 76,801 | 81,506 | 7,566 | - | 166,486 |
| | | | **COHO LANDINGS** | | | | |
| 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 | - | - | - | - | - | - | - |
| 2001-2005 | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | - | - | - |
| 2011 | - | - | - | - | - | - | - |
| 2012 | - | - | - | - | - | - | - |
| 2013 | - | - | - | - | - | - | - |
| 2014[b/] | - | - | - | - | - | - | - |

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

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

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|---|---|---|---|---|---|---|---|---|
| Crescent City[a/] | | | | | | | | |
| 1978-1980 | 56 | 2,043 | 4,261 | 6,285 | 5,025 | 756 | - | 16,986 |
| 1981-1985 | - | 1,363 | 961 | 1,947 | 2,509 | 1,295 | - | 7,428 |
| 1986-1990 | - | 9 | 360 | 219 | 253 | 10 | - | 545 |
| 1991-1995 | - | - | - | - | - | - | - | - |
| 1996-2000 | - | - | - | - | 10 | 13 | - | 15 |
| 2001-2005[b/] | 18 | 2 | 3 | 36 | 97 | 61 | 6 | 119 |
| 2006 | - | - | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | 87 | - | 87 |
| 2008 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | - | - | - | - |
| 2011 | - | - | - | 4 | 16 | - | - | 20 |
| 2012 | - | - | - | - | - | 45 | - | 45 |
| 2013 | - | 8 | 31 | 46 | 10 | 3 | - | 98 |
| 2014[c/] | - | - | - | - | - | 6 | - | 6 |
| Eureka | | | | | | | | |
| 1978-1980 | 264 | 5,684 | 7,152 | 4,083 | 2,323 | 1,411 | - | 18,446 |
| 1981-1985 | - | 2,029 | 1,075 | 2,608 | 1,931 | 821 | - | 8,053 |
| 1986-1990 | - | - | 882 | 518 | 547 | 467 | 64 | 1,629 |
| 1991-1995 | - | - | - | - | - | 500 | 100 | 600 |
| 1996-2000 | - | - | - | - | 128 | 177 | - | 202 |
| 2001-2005 | - | - | - | - | 94 | 242 | - | 261 |
| 2006 | - | - | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | 270 | - | 270 |
| 2008 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | - | - | - | - |
| 2011 | - | - | - | 148 | 33 | - | - | 181 |
| 2012 | - | - | - | - | - | 260 | - | 260 |
| 2013 | - | 174 | 129 | 111 | 103 | 46 | - | 563 |
| 2014[c/] | - | - | - | - | - | 90 | - | 90 |
| Fort Bragg | | | | | | | | |
| 1978-1980 | 29 | 2,285 | 4,678 | 9,987 | 4,348 | 2,185 | - | 21,943 |
| 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 | - | 1,775 |
| 1996-2000 | - | - | - | - | 1,300 | 536 | - | 796 |
| 2001-2005 | - | 614 | - | 1,380 | 1,926 | 1,026 | - | 3,255 |
| 2006 | - | - | - | - | - | 434 | - | 434 |
| 2007 | 106 | - | - | - | 1,252 | 42 | - | 1,400 |
| 2008 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 616 | 870 | - | - | 1,486 |
| 2011 | - | - | - | 596 | 1,386 | 161 | - | 2,143 |
| 2012 | - | - | - | 960 | 973 | 288 | - | 2,221 |
| 2013 | - | 277 | 1,032 | 2,221 | 1,251 | 560 | - | 5,341 |
| 2014[c/] | - | - | 1,143 | 2,214 | 802 | 99 | - | 4,258 |

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

| Year or Avg. | Apr. | May | June | July | Aug. | Sept. | Oct. | Season |
|---|---|---|---|---|---|---|---|---|
| San Francisco | | | | | | | | |
| 1978-1980 | 347 | 5,780 | 5,242 | 7,139 | 2,417 | 2,044 | - | 21,106 |
| 1981-1985 | 727 | 3,897 | 2,958 | 6,819 | 5,214 | 3,003 | - | 22,182 |
| 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 | - | 9,546 |
| 2001-2005 | - | 2,106 | 1,894 | 2,643 | 1,493 | 1,249 | 293 | 8,878 |
| 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 | - | 900 | 164 | 873 | 394 | 459 | 117 | 2,907 |
| 2012 | - | 1,723 | 686 | 2,199 | 1,422 | 1,006 | 469 | 7,505 |
| 2013 | - | 2,401 | 2,062 | 1,358 | 1,269 | 1,014 | 223 | 8,327 |
| 2014[b/] | - | 2,143 | 1,195 | 764 | 2,061 | 1,624 | 561 | 8,348 |
| Monterey | | | | | | | | |
| 1978-1980 | 1,024 | 5,293 | 4,310 | 4,581 | 2,220 | 873 | - | 16,523 |
| 1981-1985 | 1,311 | 4,245 | 2,767 | 2,746 | 964 | 236 | - | 11,482 |
| 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 | - | 7,740 |
| 2001-2005 | - | 2,318 | 852 | 1,069 | 315 | 120 | - | 4,674 |
| 2006 | - | 2,062 | 103 | 34 | 44 | 94 | - | 2,337 |
| 2007 | - | 1,476 | 29 | 334 | 255 | 84 | - | 2,178 |
| 2008 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 245 | - | - | - | 245 |
| 2011 | - | 979 | 340 | 268 | 117 | 18 | - | 1,722 |
| 2012 | - | 2,015 | 907 | 1,247 | 255 | 67 | - | 4,491 |
| 2013 | - | 1,590 | 810 | 400 | 118 | 46 | - | 2,964 |
| 2014[c/] | - | 768 | 322 | 298 | 97 | - | - | 1,485 |
| **Total Statewide**[a/] | | | | | | | | |
| 1978-1980 | 1,718 | 21,086 | 25,641 | 32,076 | 16,334 | 7,268 | - | 95,003 |
| 1981-1985 | 2,037 | 12,939 | 9,510 | 18,736 | 12,153 | 5,613 | - | 59,765 |
| 1986-1990 | - | 14,524 | 16,246 | 14,658 | 9,741 | 3,316 | 64 | 58,511 |
| 1991-1995 | - | 7,860 | 5,620 | 5,160 | 4,320 | 2,720 | 100 | 25,700 |
| 1996-2000 | 363 | 4,642 | 4,173 | 4,570 | 2,351 | 2,419 | - | 18,299 |
| 2001-2005 | 18 | 4,249 | 2,368 | 4,547 | 3,021 | 2,700 | 296 | 17,187 |
| 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 | - | 1,879 | 504 | 1,889 | 1,946 | 638 | 117 | 6,973 |
| 2012 | - | 3,738 | 1,593 | 4,406 | 2,650 | 1,666 | 469 | 14,522 |
| 2013 | - | 4,450 | 4,064 | 4,136 | 2,751 | 1,669 | 223 | 17,293 |
| 2014[c/] | - | 2,911 | 2,660 | 3,276 | 2,960 | 1,819 | 561 | 14,187 |

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

b/ Commercial fishery closed in all months except August 2002 (27 days fished) and September 2001-2005 (quota fisheries); all other harvest occurred in Oregon waters but were landed in Crescent City.

c/ Preliminary.

TABLE A-3. California commercial troll Chinook and coho salmon landings in numbers of fish by catch area and 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** | | | | | | | |
| Crescent City[a/] | | | | | | | | | | | | | | | | |
| 1976-1980 | 416 | 14,118 | 13,779 | 10,281 | 6,545 | 1,959 | - | 44,259 | - | 10,013 | 46,627 | 20,439 | 3,486 | 892 | - | 72,133 |
| 1981-1985 | - | 10,771 | 6,859 | 8,842 | 17,800 | 8,554 | - | 48,548 | - | 5,448 | 5,213 | 8,725 | 6,238 | 1,357 | - | 20,094 |
| 1986-1990 | - | 527 | 12,995 | 3,017 | 2,534 | 452 | - | 13,997 | - | - | 4,408 | 1,262 | 5 | 18 | - | 3,795 |
| 1991-1995 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1996-2000 | - | - | - | - | 98 | 106 | - | 126 | - | - | - | - | - | - | - | - |
| 2001-2005[b/] | 1,186 | 84 | 53 | 5,245 | 10,184 | 1,351 | 293 | 7,103 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | 2,367 | - | 2,367 | - | - | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2011 | - | - | - | 11 | 406 | - | - | 417 | - | - | - | - | - | - | - | - |
| 2012 | - | - | - | - | - | 400 | - | 400 | - | - | - | - | - | - | - | - |
| 2013 | - | 85 | 524 | 487 | 116 | 13 | - | 1,225 | - | - | - | - | - | - | - | - |
| 2014[c/] | - | - | - | - | - | 17 | - | 17 | - | - | - | - | - | - | - | - |
| Eureka | | | | | | | | | | | | | | | | |
| 1978-1980 | 8,114 | 77,899 | 35,737 | 34,578 | 13,018 | 5,706 | - | 166,282 | 12 | 30,896 | 49,638 | 13,684 | 5,128 | 603 | - | 90,024 |
| 1981-1985 | - | 26,077 | 7,548 | 11,434 | 12,677 | 6,788 | - | 61,130 | - | 2,246 | 6,758 | 10,021 | 6,576 | 651 | - | 23,675 |
| 1986-1990 | - | - | 26,180 | 4,316 | 6,726 | 6,295 | 480 | 32,329 | - | - | 5,948 | 508 | 211 | 860 | 125 | 5,998 |
| 1991-1995 | - | - | - | - | - | 4,300 | 400 | 4,700 | - | - | - | - | - | 3,000 | 100 | 3,100 |
| 1996-2000 | - | - | - | - | - | 2,860 | - | 3,379 | - | - | - | - | - | - | - | - |
| 2001-2005 | - | - | - | - | 1,392 | 5,020 | - | 5,298 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | 6,395 | - | 6,395 | - | - | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2011 | - | - | - | 1,573 | 401 | - | - | 1,974 | - | - | - | - | - | - | - | - |
| 2012 | - | - | - | - | - | 4,831 | - | 4,831 | - | - | - | - | - | - | - | - |
| 2013 | - | 2,603 | 2,400 | 1,887 | 1,892 | 171 | - | 8,953 | - | - | - | - | - | - | - | - |
| 2014[c/] | - | - | - | - | - | 596 | - | 596 | - | - | - | - | - | - | - | - |

TABLE A-3. California commercial troll Chinook and coho salmon landings in numbers of fish by catch area and 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** | | | | | | | |
| Fort Bragg | | | | | | | | | | | | | | | | |
| 1978-1980 | 1,676 | 24,780 | 26,128 | 57,010 | 26,841 | 12,992 | - | 143,867 | 6 | 5,210 | 35,041 | 14,500 | 3,093 | 191 | - | 29,918 |
| 1981-1985 | - | 15,487 | 21,136 | 48,976 | 16,891 | 6,767 | - | 109,258 | - | 205 | 2,695 | 9,916 | 1,659 | 194 | - | 14,628 |
| 1986-1990 | - | 46,868 | 72,418 | 91,861 | 36,174 | 5,095 | - | 252,416 | - | - | 9,106 | 14,014 | 3,376 | 190 | - | 26,000 |
| 1991-1995 | - | 388 | - | - | 34,300 | 8,682 | - | 17,354 | - | - | - | - | 4,500 | - | - | 4,500 |
| 1996-2000 | - | - | - | - | 14,443 | 9,640 | - | 12,529 | - | - | - | - | - | - | - | - |
| 2001-2005 | - | 17,715 | - | 51,702 | 51,853 | 27,247 | - | 96,466 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | 10,835 | - | 10,835 | - | - | - | - | - | - | - | - |
| 2007 | 748 | - | - | - | 15,173 | 195 | - | 16,116 | - | - | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 6,371 | 6,182 | - | - | 12,553 | - | - | - | - | - | - | - | - |
| 2011 | - | - | - | 21,085 | 17,766 | 460 | - | 39,311 | - | - | - | - | - | - | - | - |
| 2012 | - | - | - | 24,324 | 12,304 | 1,654 | - | 38,282 | - | - | - | - | - | - | - | - |
| 2013 | - | 4,352 | 23,785 | 68,781 | 14,916 | 4,324 | - | 116,158 | - | - | - | - | - | - | - | - |
| 2014[c/] | - | - | 23,262 | 45,571 | 7,514 | 454 | - | 76,801 | - | - | - | - | - | - | - | - |
| San Francisco | | | | | | | | | | | | | | | | |
| 1978-1980 | 20,205 | 53,699 | 37,115 | 53,367 | 12,126 | 9,637 | - | 174,684 | 8 | 5,239 | 13,116 | 3,586 | 1,142 | 315 | - | 20,778 |
| 1981-1985 | 15,704 | 44,645 | 25,209 | 60,551 | 35,241 | 9,621 | - | 181,548 | 8 | 312 | 2,174 | 4,737 | 495 | 70 | - | 7,728 |
| 1986-1990 | - | 131,362 | 111,938 | 71,214 | 26,550 | 10,050 | - | 351,115 | - | - | 5,375 | 3,280 | 820 | 82 | - | 9,377 |
| 1991-1995 | - | 69,489 | 43,811 | 43,504 | 29,911 | 13,873 | - | 200,588 | - | - | 33,100 | 19,700 | 500 | - | - | 26,900 |
| 1996-2000 | 3,266 | 49,931 | 51,659 | 57,754 | 20,264 | 15,401 | - | 195,662 | - | - | - | - | - | - | - | - |
| 2001-2005 | - | 52,401 | 74,746 | 75,262 | 19,186 | 12,158 | 1,905 | 210,228 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | 16,437 | 18,341 | 11,839 | 1,072 | 47,689 | - | - | - | - | - | - | - | - |
| 2007 | - | 25,396 | - | 39,878 | 7,434 | 2,194 | 352 | 75,254 | - | - | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | 1,105 | - | - | - | 1,105 | - | - | - | - | - | - | - | - |
| 2011 | - | 7,753 | 2,830 | 8,305 | 1,395 | 1,312 | 317 | 21,912 | - | - | - | - | - | - | - | - |
| 2012 | - | 34,005 | 10,090 | 51,592 | 14,292 | 5,808 | 3,313 | 119,100 | - | - | - | - | - | - | - | - |
| 2013 | - | 56,365 | 47,837 | 24,215 | 7,819 | 6,477 | 941 | 143,654 | - | - | - | - | - | - | - | - |
| 2014[c/] | - | 30,091 | 14,478 | 7,083 | 15,802 | 11,143 | 2,909 | 81,506 | - | - | - | - | - | - | - | - |

TABLE A-3. California commercial troll Chinook and coho salmon landings in numbers of fish by catch 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** | | | | | | | |
| Monterey | | | | | | | | | | | | | | | | |
| 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 | - | - | - | - | - | - | - | - |
| 2001-2005 | - | 32,363 | 13,821 | 16,115 | 2,047 | 480 | - | 64,827 | - | - | - | - | - | - | - | - |
| 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 | - | 3,979 | 1,359 | 695 | 333 | 48 | - | 6,414 | - | - | - | - | - | - | - | - |
| 2012 | - | 24,852 | 9,295 | 16,926 | 1,670 | 229 | - | 52,972 | - | - | - | - | - | - | - | - |
| 2013 | - | 14,111 | 10,003 | 2,900 | 514 | 109 | - | 27,637 | - | - | - | - | - | - | - | - |
| 2014[c/] | - | 3,852 | 1,356 | 1,950 | 408 | - | - | 7,566 | - | - | - | - | - | - | - | - |
| **Total Statewide**[a/] | | | | | | | | | | | | | | | | |
| 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 | - | - | - | - | - | - | - | - |
| 2001-2005 | 1,186 | 81,387 | 73,639 | 123,448 | 56,697 | 46,255 | 2,022 | 383,921 | - | - | - | - | - | - | - | - |
| 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 | - | 11,732 | 4,189 | 31,669 | 20,301 | 1,820 | 317 | 70,028 | - | - | - | - | - | - | - | - |
| 2012 | - | 58,857 | 19,385 | 92,842 | 28,266 | 12,922 | 3,313 | 215,585 | - | - | - | - | - | - | - | - |
| 2013 | - | 77,516 | 84,549 | 98,270 | 25,257 | 11,094 | 941 | 297,627 | - | - | - | - | - | - | - | - |
| 2014[c/] | - | 33,943 | 39,096 | 54,604 | 23,724 | 12,210 | 2,909 | 166,486 | - | - | - | - | - | - | - | - |

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

b/ Commercial fishery closed all months except Aug. 2002 (681 Chinook) and Sept. 2001-2005; all other harvest occurred in Oregon waters but were landed in Crescent City..

c/ Preliminary.

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

| Year or Avg. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Crescent City | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | - | - | 594 | 1,038 | 969 | 1,182 | 289 | - | - | 4,072 |
| 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 | - | - | - | 187 | 104 | 245 | 185 | 45 | - | - | 766 |
| 2012 | - | - | - | 455 | 1,018 | 4,134 | 1,702 | 502 | - | - | 7,811 |
| 2013 | - | - | - | 456 | 2,538 | 3,228 | 816 | 0 | - | - | 7,038 |
| 2014[a/] | - | - | - | 1,441 | 786 | 1,996 | 172 | 10 | - | - | 4,405 |
| Eureka | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | - | - | 2,309 | 4,388 | 2,651 | 5,749 | 1,819 | - | - | 16,915 |
| 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 | - | - | - | 1,664 | 2,574 | 4,625 | 4,597 | 723 | - | - | 14,183 |
| 2012 | - | - | - | 2,680 | 6,514 | 5,833 | 6,671 | 1,873 | - | - | 23,571 |
| 2013 | - | - | - | 2,756 | 5,976 | 6,028 | 7,416 | 614 | - | - | 22,790 |
| 2014[a/] | - | - | - | 2,710 | 4,157 | 5,170 | 3,580 | 612 | - | - | 16,229 |

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

| Year or Avg. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fort Bragg | | | | | | | | | | | |
| 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 |
| 2001-2005 | 463 | 878 | 1,309 | 3,054 | 6,649 | 8,885 | 6,013 | 996 | 75 | 8 | 28,239 |
| 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 | - | - | 1,532 | 1,522 | 2,294 | 6,234 | 1,975 | 650 | 182 | - | 14,389 |
| 2012 | - | - | 1,230 | 2,088 | 2,975 | 4,076 | 2,890 | 1,069 | 334 | 151 | 14,813 |
| 2013 | - | - | 934 | 1,666 | 3,519 | 7,136 | 3,076 | 667 | 220 | 47 | 17,265 |
| 2014[a/] | - | - | 1,049 | 1,371 | 2,538 | 9,435 | 2,554 | 373 | 102 | 48 | 17,470 |
| San Francisco | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | - | 6,252 | 10,800 | 11,324 | 24,675 | 16,469 | 8,815 | 4,073 | 1,140 | 83,548 |
| 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 | - | - | 2,046 | 2,272 | 1,630 | 8,505 | 9,094 | 7,591 | 3,249 | - | 34,387 |
| 2012 | - | - | 4,113 | 6,663 | 11,396 | 15,667 | 10,085 | 6,421 | 2,779 | 418 | 57,542 |
| 2013 | - | - | 6,406 | 7,823 | 11,183 | 22,814 | 14,354 | 4,572 | 2,003 | 379 | 69,534 |
| 2014[a/] | - | - | 3,433 | 3,406 | 2,163 | 11,779 | 18,604 | 9,645 | 4,974 | 645 | 54,649 |

TABLE A-4. California ocean recreational salmon fishing effort in angler trips by catch area 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 |
| 2001-2005 | - | 2,946 | 20,318 | 9,402 | 6,396 | 7,846 | 1,366 | 322 | - | - | 47,353 |
| 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 | - | - | 11,987 | 2,149 | 3,013 | 5,561 | 3,318 | 1,923 | - | - | 27,951 |
| 2012 | - | - | 16,123 | 9,326 | 7,603 | 8,674 | 1,645 | 424 | 475 | - | 44,270 |
| 2013 | - | - | 12,262 | 5,698 | 3,613 | 6,210 | 2,582 | 282 | 22 | - | 30,669 |
| 2014[a/] | - | - | 15,744 | 3,745 | 2,967 | 2,678 | 1,841 | 481 | 45 | - | 27,501 |
| **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 |
| 2001-2005 | 463 | 2,645 | 27,879 | 26,158 | 29,796 | 45,026 | 30,779 | 12,176 | 4,148 | 1,148 | 180,127 |
| 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 | - | - | 15,565 | 7,794 | 9,615 | 25,170 | 19,169 | 10,932 | 3,431 | - | 91,676 |
| 2012 | - | - | 21,466 | 21,212 | 29,506 | 38,384 | 22,993 | 10,289 | 3,588 | 569 | 148,007 |
| 2013 | - | - | 19,602 | 18,399 | 26,829 | 45,416 | 28,244 | 6,135 | 2,245 | 426 | 147,296 |
| 2014[a/] | - | - | 20,226 | 12,673 | 12,611 | 31,058 | 26,751 | 11,121 | 5,121 | 693 | 120,254 |

a/ Preliminary.

TABLE A-5. California ocean recreational salmon landings in numbers of fish by catch area 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 |
| 2001-2005 | - | - | - | 265 | 403 | 237 | 308 | 91 | - | - | 1,304 | - | - | - | 6 | 19 | 22 | 15 | - | - | - | 49 |
| 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 | - | - | - | 36 | 12 | 42 | 18 | 5 | - | - | 113 | - | - | - | - | - | - | - | - | - | - | - |
| 2012 | - | - | - | 115 | 761 | 4,761 | 1,469 | 326 | - | - | 7,432 | - | - | - | - | 23 | 27 | - | - | - | - | 50 |
| 2013 | - | - | - | 140 | 2,913 | 2,726 | 284 | 0 | - | - | 6,063 | - | - | - | - | 22 | 19 | - | - | - | - | 41 |
| 2014[a/] | - | - | - | 1,522 | 402 | 1,284 | 25 | 0 | - | - | 3,233 | - | - | - | - | 16 | 50 | - | - | - | - | 66 |
| 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 |
| 2001-2005 | - | - | - | 2,609 | 3,762 | 2,062 | 4,074 | 1,808 | - | - | 14,315 | - | - | - | 51 | 83 | 26 | 41 | 27 | - | - | 217 |
| 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 | - | - | - | 630 | 934 | 4,342 | 3,672 | 296 | - | - | 9,874 | - | - | - | 5 | 10 | 50 | 29 | 4 | - | - | 98 |
| 2012 | - | - | - | 3,462 | 10,104 | 7,049 | 9,019 | 2,378 | - | - | 32,012 | - | - | - | - | 12 | 5 | - | - | - | - | 17 |
| 2013 | - | - | - | 2,423 | 7,601 | 8,579 | 8,876 | 439 | - | - | 27,918 | - | - | - | - | 35 | 39 | 122 | - | - | - | 196 |
| 2014[a/] | - | - | - | 2,074 | 4,877 | 3,159 | 2,181 | 303 | - | - | 12,594 | - | - | - | 19 | 72 | 118 | 4 | 3 | - | - | 216 |
| 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 |
| 2001-2005 | 196 | 426 | 746 | 2,129 | 6,469 | 9,036 | 4,379 | 397 | 28 | 0 | 23,767 | - | - | - | 21 | 89 | 119 | 33 | 13 | - | - | 241 |
| 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 | - | - | 880 | 705 | 938 | 4,043 | 510 | 204 | 118 | - | 7,398 | - | - | - | - | 18 | 83 | 4 | - | 5 | - | 110 |
| 2012 | - | - | 414 | 1,530 | 1,951 | 2,300 | 1,185 | 393 | 84 | 72 | 7,929 | - | - | - | - | 13 | 9 | - | 3 | - | - | 25 |
| 2013 | - | - | 310 | 695 | 2,459 | 5,145 | 1,296 | 258 | 5 | 0 | 10,168 | - | - | - | - | 9 | 20 | 4 | - | - | - | 33 |
| 2014[a/] | - | - | 714 | 630 | 1,358 | 9,035 | 696 | 103 | 4 | 0 | 12,540 | - | - | - | - | 18 | 123 | - | - | - | - | 141 |

TABLE A-5. California ocean recreational salmon landings in numbers of fish by catch area 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** | | | | | | | | | | |
| 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 |
| 2001-2005 | - | - | 5,540 | 11,659 | 13,806 | 26,717 | 10,680 | 6,287 | 2,220 | 395 | 77,305 | - | - | 2 | 56 | 68 | 187 | 55 | 9 | - | - | 348 |
| 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 | - | - | 432 | 934 | 326 | 4,457 | 6,531 | 5,914 | 1,140 | - | 19,734 | - | - | - | - | 17 | 26 | - | - | - | - | 43 |
| 2012 | - | - | 3,837 | 5,143 | 10,700 | 15,329 | 5,340 | 3,871 | 1,881 | 88 | 46,189 | - | - | - | 3 | - | 5 | - | - | - | - | 8 |
| 2013 | - | - | 8,121 | 9,018 | 12,204 | 21,798 | 6,818 | 1,891 | 1,354 | 87 | 61,291 | - | - | - | - | 24 | 62 | - | - | - | - | 86 |
| 2014[a/] | - | - | 1,854 | 2,318 | 559 | 5,587 | 12,679 | 6,220 | 3,017 | 125 | 32,359 | - | - | - | 4 | - | 40 | - | - | - | - | 44 |
| 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 |
| 2001-2005 | - | 2,235 | 15,937 | 3,243 | 4,292 | 5,967 | 440 | 81 | 0 | - | 31,284 | - | - | 4 | 82 | 40 | 34 | - | - | - | - | 124 |
| 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 | - | - | 4,210 | 280 | 1,170 | 3,998 | 2,369 | 676 | - | - | 12,703 | - | - | 8 | 10 | 27 | 7 | 13 | - | - | - | 65 |
| 2012 | - | - | 14,535 | 4,473 | 4,376 | 6,268 | 462 | 121 | 129 | - | 30,364 | - | - | - | - | 1 | - | - | - | - | - | 1 |
| 2013 | - | - | 5,225 | 1,624 | 1,066 | 2,261 | 440 | 18 | 0 | - | 10,634 | - | - | - | - | 1 | 4 | - | - | - | - | 5 |
| 2014[a/] | - | - | 11,356 | 964 | 782 | 613 | 267 | 34 | 4 | - | 14,020 | - | - | - | - | 12 | - | - | - | - | - | 12 |
| **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 |
| 2001-2005 | 196 | 1,767 | 22,222 | 19,905 | 28,732 | 44,019 | 19,882 | 8,648 | 2,248 | 395 | 147,974 | - | - | 3 | 171 | 280 | 379 | 122 | 31 | - | - | 979 |
| 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 | - | - | 5,522 | 2,585 | 3,380 | 16,882 | 13,100 | 7,095 | 1,258 | - | 49,822 | - | - | 8 | 15 | 72 | 166 | 46 | 4 | 5 | - | 316 |
| 2012 | - | - | 18,786 | 14,723 | 27,892 | 35,707 | 17,475 | 7,089 | 2,094 | 160 | 123,926 | - | - | - | 3 | 49 | 46 | - | 3 | - | - | 101 |
| 2013 | - | - | 13,656 | 13,900 | 26,243 | 40,509 | 17,714 | 2,606 | 1,359 | 87 | 116,074 | - | - | - | - | 91 | 144 | 126 | - | - | - | 361 |
| 2014[a/] | - | - | 13,924 | 7,508 | 7,978 | 19,678 | 15,848 | 6,660 | 3,025 | 125 | 74,746 | - | - | - | 23 | 118 | 331 | 4 | 3 | - | - | 479 |

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 |
| 2001-2005 | 390 | 1,591 | 4,664 | 4,935 | 439 | 12,019 | 0 | 125 | 8 | 12,153 |
| 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 | 289 | 220 | 748 | 2,206 | 289 | 3,752 | 0 | 0 | - | 3,752 |
| 2012 | 416 | 635 | 2,112 | 2,711 | 382 | 6,256 | 0 | 0 | - | 6,256 |
| 2013 | 287 | 830 | 1,724 | 5,434 | 707 | 8,982 | 0 | 0 | - | 8,982 |
| 2014[b/] | 828 | 559 | 3,758 | 4,873 | 777 | 10,795 | 0 | 0 | - | 10,795 |
| | | | | | **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 |
| 2001-2005 | 8,095 | 25,572 | 126,126 | 117,529 | 5,245 | 282,567 | 0 | 5,574 | 311 | 288,452 |
| 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 | 2,836 | 1,106 | 4,980 | 21,833 | 1,326 | 32,081 | 0 | 0 | - | 32,081 |
| 2012 | 8,444 | 7,397 | 26,612 | 25,200 | 5,444 | 73,097 | 0 | 0 | - | 73,097 |
| 2013 | 1,961 | 8,880 | 15,695 | 79,415 | 6,816 | 112,767 | 0 | 0 | - | 112,767 |
| 2014[b/] | 16,194 | 7,012 | 82,683 | 85,872 | 16,097 | 207,858 | 0 | 0 | - | 207,858 |

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 |
| 2001-2005 | 5,749 | - | - | - | - | 5,749 | 0 | 189 | - | 5,938 |
| 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 | 464 | - | - | - | - | 464 | 0 | 0 | - | 464 |
| 2012 | 625 | - | - | - | - | 625 | 0 | 0 | - | 625 |
| 2013 | 427 | - | - | - | - | 427 | 0 | 0 | - | 427 |
| 2014[b/] | 7,734 | 1,078 | 1,230 | 964 | - | 11,006 | 0 | 0 | - | 11,006 |

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 fishing 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Astoria | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | - | 78 | 28 | 89 | 152 | 72 | - | - | - | 390 |
| 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 | - | - | 85 | 124 | 41 | 24 | 15 | - | - | - | 289 |
| 2012 | - | - | 58 | 223 | 37 | 25 | 73 | - | - | - | 416 |
| 2013 | - | - | 64 | 119 | 32 | 46 | 26 | - | - | - | 287 |
| 2014[b/] | - | - | 461 | 79 | 167 | 65 | 56 | - | - | - | 828 |
| Tillamook | | | | | | | | | | | |
| 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 |
| 2001-2005 | 71 | 64 | 268 | 354 | 174 | 225 | 301 | 218 | 10 | - | 1,591 |
| 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 | - | 1 | 24 | 96 | 21 | 23 | 42 | 13 | - | - | 220 |
| 2012 | - | 52 | 175 | 91 | 36 | 22 | 102 | 157 | - | - | 635 |
| 2013 | - | 189 | 87 | 52 | 40 | 196 | 192 | 74 | - | - | 830 |
| 2014[b/] | - | 10 | 96 | 160 | 62 | 40 | 177 | 14 | - | - | 559 |

TABLE A-7. Oregon commercial troll salmon fishing 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Newport | | | | | | | | | | | |
| 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 |
| 2001-2005 | 252 | 452 | 954 | 923 | 407 | 631 | 753 | 551 | - | - | 4,664 |
| 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 | - | 60 | 325 | 229 | 22 | 101 | - | 11 | - | - | 748 |
| 2012 | - | 155 | 475 | 335 | 114 | 312 | 465 | 256 | - | - | 2,112 |
| 2013 | - | 334 | 485 | 263 | 141 | 326 | 98 | 77 | - | - | 1,724 |
| 2014[b/] | - | 476 | 1,101 | 524 | 341 | 941 | 267 | 108 | - | - | 3,758 |
| Coos Bay | | | | | | | | | | | |
| 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 |
| 2001-2005 | 364 | 692 | 1,088 | 897 | 361 | 776 | 619 | 443 | 151 | 25 | 4,935 |
| 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 | - | 256 | 538 | 755 | 57 | 83 | 80 | 202 | 235 | - | 2,206 |
| 2012 | - | 315 | 784 | 510 | 96 | 298 | 320 | 267 | 121 | - | 2,711 |
| 2013 | - | 506 | 563 | 456 | 337 | 1,622 | 1,053 | 742 | 155 | - | 5,434 |
| 2014[b/] | - | 469 | 926 | 1,054 | 645 | 1,198 | 312 | 171 | 98 | - | 4,873 |

TABLE A-7. Oregon commercial troll salmon fishing 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 |
| 2001-2005 | 3 | 8 | 40 | 81 | 98 | 94 | 84 | 108 | 13 | - | 439 |
| 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 | - | - | 60 | 60 | 8 | 86 | - | 75 | - | - | 289 |
| 2012 | - | - - | 23 | 118 | 90 | 67 | 43 | 41 | - | - | 382 |
| 2013 | - | 13 | 3 | 107 | 284 | 208 | 40 | 52 | - | - | 707 |
| 2014[b/] | - | 10 | 476 | 82 | 38 | 70 | 21 | 80 | - | - | 777 |
| **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 |
| 2001-2005 | 689 | 1,215 | 2,342 | 2,058 | 1,015 | 1,725 | 1,757 | 1,321 | 168 | 25 | 11,629 |
| 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 | - | 317 | 947 | 1,140 | 108 | 293 | 122 | 301 | 235 | - | 3,463 |
| 2012 | - | 522 | 1,457 | 1,054 | 336 | 699 | 930 | 721 | 121 | - | 5,840 |
| 2013 | - | 1,042 | 1,138 | 878 | 802 | 2,352 | 1,383 | 945 | 155 | - | 8,695 |
| 2014[b/] | - | 965 | 2,599 | 1,820 | 1,086 | 2,249 | 777 | 373 | 98 | - | 9,967 |

TABLE A-7. Oregon commercial troll salmon fishing 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 |
| 2001-2005 | 689 | 1,215 | 2,419 | 2,086 | 901 | 1,532 | 1,800 | 1,321 | 168 | 25 | 12,019 |
| 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 | - | 317 | 1,032 | 1,264 | 149 | 317 | 137 | 301 | 235 | - | 3,752 |
| 2012 | - | 522 | 1,515 | 1,277 | 373 | 724 | 1,003 | 721 | 121 | - | 6,256 |
| 2013 | - | 1,042 | 1,202 | 997 | 834 | 2,398 | 1,409 | 945 | 155 | - | 8,982 |
| 2014[b/] | - | 965 | 3,060 | 1,899 | 1,253 | 2,314 | 833 | 373 | 98 | - | 10,795 |

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** | | | | | |
| Astoria | | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | - | 2,633 | 1,402 | 1,445 | 2,329 | 478 | - | - | - | 8,095 | - | - | 1,524 | 2,472 | 3,430 | - | 5,749 |
| 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 | - | - | 1,057 | 1,400 | 114 | 239 | 26 | - | - | - | 2,836 | - | 234 | 147 | 83 | - | 464 |
| 2012 | - | - | 1,034 | 5,366 | 210 | 149 | 1,685 | - | - | - | 8,444 | - | 39 | 35 | 551 | - | 625 |
| 2013 | - | - | 432 | 704 | 136 | 295 | 394 | - | - | - | 1,961 | - | 39 | 270 | 118 | - | 427 |
| 2014[b/] | - | - | 12,810 | 735 | 2,278 | 175 | 196 | - | - | - | 16,194 | - | 2,427 | 1,570 | 3,737 | - | 7,734 |
| Tillamook | | | | | | | | | | | | | | | | | |
| 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 | - | - | - | - | - | - |
| 2001-2005 | 1,881 | 888 | 5,198 | 6,484 | 2,709 | 3,511 | 3,416 | 3,074 | 31 | - | 25,572 | - | - | - | - | - | - |
| 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 | - | 1 | 130 | 615 | 174 | 52 | 114 | 20 | - | - | 1,106 | - | - | - | - | - | - |
| 2012 | - | 440 | 1,492 | 441 | 178 | 55 | 1,146 | 3,645 | - | - | 7,397 | - | - | - | - | - | - |
| 2013 | - | 1,391 | 349 | 144 | 380 | 2,869 | 3,461 | 286 | - | - | 8,880 | - | - | - | - | - | - |
| 2014[b/] | - | 20 | 1,128 | 2,647 | 593 | 246 | 2,356 | 22 | - | - | 7,012 | - | - | - | 1,078 | - | 1,078 |

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** | | | | | |
| Newport | | | | | | | | | | | | | | | | | |
| 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 | - | - | - | - | - | - |
| 2001-2005 | 5,438 | 7,253 | 23,241 | 18,832 | 10,415 | 20,541 | 26,687 | 20,998 | - | - | 126,126 | - | - | - | - | - | - |
| 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 | - | 378 | 2,357 | 1,477 | 192 | 561 | - | 15 | - | - | 4,980 | - | - | - | - | - | - |
| 2012 | - | 1,090 | 4,408 | 2,578 | 998 | 5,819 | 8,550 | 3,169 | - | - | 26,612 | - | - | - | - | - | - |
| 2013 | - | 2,186 | 3,430 | 1,740 | 1,444 | 5,569 | 865 | 461 | - | - | 15,695 | - | - | - | - | - | - |
| 2014[b/] | - | 9,105 | 18,849 | 8,113 | 6,286 | 35,841 | 3,577 | 912 | - | - | 82,683 | - | - | - | 1,230 | - | 1,230 |
| Coos Bay | | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 7,479 | 17,217 | 21,669 | 20,217 | 7,753 | 26,693 | 18,998 | 8,507 | 1,276 | 148 | 117,529 | - | - | - | - | - | - |
| 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 | - | 4,102 | 5,414 | 8,309 | 333 | 399 | 223 | 1,058 | 1,995 | - | 21,833 | - | - | - | - | - | - |
| 2012 | - | 2,103 | 8,633 | 4,338 | 609 | 2,897 | 3,977 | 1,942 | 701 | - | 25,200 | - | - | - | - | - | - |
| 2013 | - | 3,796 | 5,308 | 4,103 | 3,508 | 30,097 | 23,924 | 7,677 | 1,002 | - | 79,415 | - | - | - | - | - | - |
| 2014[b/] | - | 6,402 | 15,440 | 17,804 | 11,396 | 30,414 | 2,837 | 1,111 | 468 | - | 85,872 | - | - | - | 964 | - | 964 |

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** | | | |
| Brookings | | | | | | | | | | | | | | | | | |
| 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 | - | - | - | - | - | - |
| 2001-2005 | 25 | 63 | 425 | 1,156 | 1,615 | 1,434 | 1,211 | 543 | 66 | - | 5,245 | - | - | - | - | - | - |
| 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 | - | - | 601 | 254 | 27 | 337 | - | 107 | - | - | 1,326 | - | - | - | - | - | - |
| 2012 | - | - - | 371 | 1,287 | 1,456 | 1,328 | 884 | 118 | - | - | 5,444 | - | - | - | - | - | - |
| 2013 | - | 50 | 7 | 1,450 | 3,171 | 1,848 | 135 | 155 | - | - | 6,816 | - | - | - | - | - | - |
| 2014[b/] | - | 53 | 13,268 | 1,345 | 500 | 404 | 54 | 473 | - | - | 16,097 | - | - | - | - | - | - |
| **South of Cape Falcon** | | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 14,823 | 25,409 | 50,447 | 42,413 | 22,088 | 52,179 | 50,313 | 33,123 | 1,347 | 148 | 274,472 | - | - | - | - | - | - |
| 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 | - | 4,481 | 8,502 | 10,655 | 726 | 1,349 | 337 | 1,200 | 1,995 | - | 29,245 | - | - | - | - | - | - |
| 2012 | - | 3,633 | 14,904 | 8,644 | 3,241 | 10,099 | 14,557 | 8,874 | 701 | - | 64,653 | - | - | - | - | - | - |
| 2013 | - | 7,423 | 9,094 | 7,437 | 8,503 | 40,383 | 28,385 | 8,579 | 1,002 | - | 110,806 | - | - | - | - | - | - |
| 2014[b/] | - | 15,580 | 48,685 | 29,909 | 18,775 | 66,905 | 8,824 | 2,518 | 468 | - | 191,664 | - | - | - | 3,272 | - | 3,272 |

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 |
| 2001-2005 | 14,823 | 25,409 | 53,080 | 43,815 | 19,115 | 44,072 | 50,600 | 33,123 | 1,347 | 148 | 282,567 | - | 1,524 | 2,472 | 3,430 | - | 5,749 |
| 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 | - | 4,481 | 9,559 | 12,055 | 840 | 1,588 | 363 | 1,200 | 1,995 | - | 32,081 | - | 234 | 147 | 83 | - | 464 |
| 2012 | - | 3,633 | 15,938 | 14,010 | 3,451 | 10,248 | 16,242 | 8,874 | 701 | - | 73,097 | - | 39 | 35 | 551 | - | 625 |
| 2013 | - | 7,423 | 9,526 | 8,141 | 8,639 | 40,678 | 28,779 | 8,579 | 1,002 | - | 112,767 | - | 39 | 270 | 118 | - | 427 |
| 2014[b/] | - | 15,580 | 61,495 | 30,644 | 21,053 | 67,080 | 9,020 | 2,518 | 468 | - | 207,858 | - | 2,427 | 1,570 | 7,009 | - | 11,006 |

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| Astoria | | | | | | | | | | |
| 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 |
| 2001-2005 | - | - | 155 | 260 | 4,788 | 10,258 | 2,041 | - | - | 17,275 |
| 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 | - | - | - | 459 | 1,402 | 4,645 | 877 | - | - | 7,383 |
| 2012 | - | - | - | 681 | 1,792 | 1,954 | 411 | - | - | 4,838 |
| 2013 | - | - | - | 1,593 | 1,329 | 2,912 | 302 | - | - | 6,136 |
| 2014[b/] | - | - | - | 750 | 3,579 | 6,279 | 1,643 | - | - | 12,251 |
| Tillamook | | | | | | | | | | |
| 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 |
| 2001-2005 | 19 | 35 | 441 | 2,043 | 8,269 | 3,897 | 4,170 | 3,017 | 182 | 22,064 |
| 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 | 0 | 50 | 143 | 936 | 3,771 | 2,968 | 3,730 | 1,240 | - | 12,838 |
| 2012 | 0 | 38 | 567 | 830 | 2,372 | 2,933 | 4,126 | 1,521 | - | 12,387 |
| 2013 | 2 | 78 | 369 | 647 | 3,166 | 2,605 | 3,326 | 3,942 | - | 14,135 |
| 2014[b/] | 0 | 7 | 1,052 | 1,110 | 9,027 | 4,657 | 8,066 | 1,305 | - | 25,224 |

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| Newport | | | | | | | | | | |
| 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 |
| 2001-2005 | 20 | 77 | 235 | 3,896 | 13,532 | 6,509 | 2,064 | 397 | - | 26,723 |
| 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 | 20 | 2 | 103 | 847 | 4,550 | 2,518 | 3,913 | - | - | 11,953 |
| 2012 | 23 | 290 | 325 | 658 | 3,425 | 4,030 | 5,947 | 107 | - | 14,805 |
| 2013 | 354 | 441 | 204 | 425 | 5,037 | 4,073 | 4,606 | 188 | - | 15,328 |
| 2014[b/] | 87 | 83 | 492 | 2,235 | 15,116 | 9,307 | 9,804 | 63 | - | 37,187 |
| Coos Bay | | | | | | | | | | |
| 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 |
| 2001-2005 | 24 | 100 | 783 | 6,477 | 16,186 | 8,250 | 2,564 | 117 | -- | 34,491 |
| 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 | 2 | 23 | 187 | 1,182 | 2,514 | 4,687 | 1,711 | - | 16 | 10,322 |
| 2012 | 0 | 52 | 730 | 2,290 | 4,075 | 5,568 | 3,647 | 77 | 18 | 16,457 |
| 2013 | 123 | 174 | 338 | 2,898 | 3,011 | 19,299 | 3,901 | 84 | -- | 29,828 |
| 2014[b/] | 0 | 46 | 691 | 1,906 | 8,659 | 11,899 | 6,518 | 53 | -- | 29,772 |

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 |
| 2001-2005 | - | - | 1,595 | 3,138 | 3,059 | 7,048 | 2,192 | 3,145 | - | 20,177 |
| 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 | - | - | 393 | 296 | 189 | 1,772 | 1,853 | 1,757 | - | 6,260 |
| 2012 | - | - | 484 | 1,982 | 4,678 | 6,810 | 1,201 | 3,666 | - | 18,821 |
| 2013 | - | - | 289 | 2,259 | 6,658 | 7,147 | 208 | 3,547 | - | 20,108 |
| 2014[b/] | - | - | 1,437 | 1,448 | 5,557 | 3,723 | 246 | 4,639 | - | 17,050 |
| **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 |
| 2001-2005 | 63 | 212 | 3,123 | 15,737 | 40,575 | 23,882 | 11,307 | 6,514 | 182 | 101,571 |
| 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 | 22 | 75 | 826 | 3,261 | 11,024 | 11,945 | 11,207 | 2,997 | 16 | 41,373 |
| 2012 | 23 | 380 | 2,106 | 5,760 | 14,550 | 19,341 | 14,921 | 5,371 | 18 | 62,470 |
| 2013 | 479 | 693 | 1,200 | 6,229 | 17,872 | 33,124 | 12,041 | 7,761 | 0 | 79,399 |
| 2014[b/] | 87 | 136 | 3,672 | 6,699 | 38,359 | 29,586 | 24,634 | 6,060 | 0 | 109,233 |

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 |
| 2001-2005 | 63 | 212 | 3,154 | 15,893 | 45,363 | 34,140 | 13,348 | 6,515 | 182 | 118,845 |
| 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 | 22 | 75 | 826 | 3,720 | 12,426 | 16,590 | 12,084 | 2,997 | 16 | 48,756 |
| 2012 | 23 | 380 | 2,106 | 6,441 | 16,342 | 21,295 | 15,332 | 5,371 | 18 | 67,308 |
| 2013 | 479 | 693 | 1,200 | 7,822 | 19,201 | 36,036 | 12,343 | 7,761 | 0 | 85,535 |
| 2014[b/] | 87 | 136 | 3,672 | 7,449 | 41,938 | 35,865 | 26,277 | 6,060 | 0 | 121,484 |

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 4)

| 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 |
| 2001-2005 | - | - | 33 | 127 | 774 | 1,605 | 241 | 3 | - | 2,704 | - | 212 | 6,991 | 14,070 | 2,020 | - | 23,165 |
| 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 | - | - | - | 129 | 147 | 1,264 | 79 | - | - | 1,619 | - | 178 | 981 | 4,132 | 755 | - | 6,046 |
| 2012 | - | - | - | 578 | 650 | 431 | 45 | - | - | 1,704 | - | 86 | 615 | 740 | 231 | - | 1,672 |
| 2013 | - | - | - | 731 | 323 | 792 | 72 | - | - | 1,918 | - | 1,143 | 991 | 1,706 | 173 | - | 4,013 |
| 2014[c/] | - | - | - | 170 | 624 | 1,393 | 115 | - | - | 2,302 | - | 392 | 5,034 | 8,513 | 2,806 | - | 16,745 |
| 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 |
| 1996-2000 | - | - | 70 | 10 | 65 | 31 | 502 | 494 | -- | 1,188 | - | - | 976 | 6 | 9 | - | 602 |
| 2001-2005 | 6 | 4 | 51 | 331 | 1,890 | 1,240 | 1,181 | 939 | 31 | 5,668 | 2 | 1,663 | 7,354 | 2,212 | 66 | 20 | 10,979 |
| 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 | 0 | 0 | 4 | 29 | 128 | 182 | 574 | 207 | - | 1,124 | - | 366 | 1,535 | 1,288 | 2,532 | - | 5,721 |
| 2012 | 0 | 1 | 79 | 102 | 133 | 429 | 1,008 | 419 | - | 2,171 | - | 13 | 423 | 1,302 | 1,424 | - | 3,162 |
| 2013 | 0 | 21 | 28 | 82 | 189 | 156 | 709 | 712 | - | 1,897 | - | - | 2,034 | 777 | 812 | 12 | 3,635 |
| 2014[c/] | 0 | 0 | 84 | 16 | 382 | 236 | 703 | 111 | - | 1,532 | - | 641 | 10,481 | 5,817 | 9,692 | 49 | 26,680 |

TABLE A-10. Oregon ocean recreational salmon landings in numbers of fish by catch area and month.[a/] (Page 2 of 4)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season | May | June | July | Aug. | Sept. | Oct.[b/] | Season[b/] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CHINOOK | | | | | | | | | | COHO | | | | | | |
| 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 |
| 2001-2005 | 0 | 25 | 79 | 475 | 3,829 | 3,126 | 1,445 | 375 | - | 9,354 | 2 | 3,466 | 12,245 | 4,402 | 79 | 2 | 19,484 |
| 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 | 0 | 6 | 21 | 44 | 111 | 52 | 234 | - | - | 468 | - | 179 | 1,703 | 385 | 3,680 | - | 5,947 |
| 2012 | 21 | 95 | 60 | 56 | 223 | 481 | 1,034 | 27 | - | 1,997 | - | 11 | 1,046 | 2,796 | 4,727 | - | 8,580 |
| 2013 | 231 | 123 | 28 | 126 | 498 | 251 | 305 | 76 | - | 1,638 | - | - | 2,648 | 1,779 | 1,517 | 7 | 5,951 |
| 2014[c/] | 10 | 23 | 113 | 43 | 720 | 606 | 431 | 20 | - | 1,966 | - | 2,269 | 18,004 | 11,786 | 13,547 | - | 45,606 |
| 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 |
| 2001-2005 | 1 | 33 | 136 | 2,738 | 7,334 | 3,467 | 1,458 | 24 | -- | 15,190 | 11 | 2,357 | 8,406 | 1,264 | 34 | - | 12,066 |
| 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 | 0 | 1 | 31 | 88 | 254 | 389 | 248 | - | 6 | 1,017 | - | 11 | 330 | 338 | 411 | - | 1,090 |
| 2012 | 0 | 12 | 391 | 529 | 502 | 1,348 | 749 | 60 | 8 | 3,599 | - | 31 | 782 | 829 | 814 | - | 2,456 |
| 2013 | 26 | 52 | 135 | 1,189 | 790 | 11,479 | 657 | 4 | - | 14,332 | - | 9 | 66 | 94 | 329 | - | 498 |
| 2014[c/] | 0 | 9 | 69 | 767 | 1,852 | 2,391 | 732 | 6 | - | 5,826 | 1 | 620 | 4,384 | 1,679 | 3,259 | - | 9,943 |

TABLE A-10. Oregon ocean recreational salmon landings in numbers of fish by catch area and month.[a/] (Page 3 of 4)

| Year or Average | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Season | May | June | July | Aug. | Sept. | Oct.[b/] | Season[b/] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CHINOOK | | | | | | | | | | COHO | | | | | | |
| 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 |
| 2001-2005 | - | - | 494 | 1,815 | 807 | 1,931 | 1,510 | 469 | - | 7,027 | - | 100 | 143 | 62 | 18 | 8 | 323 |
| 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 | - | - | 148 | 24 | 7 | 328 | 196 | 233 | - | 936 | - | - | 12 | 8 | 8 | - | 28 |
| 2012 | - | - | 334 | 904 | 2,329 | 4,014 | 1,208 | 534 | - | 9,323 | - | 15 | 144 | 48 | - | 2 | 209 |
| 2013 | - | - | 22 | 1,815 | 4,942 | 2,836 | 20 | 814 | - | 10,449 | - | 8 | 302 | 123 | - | 6 | 439 |
| 2014[c/] | - | - | 817 | 475 | 3,341 | 1,053 | 16 | 1,115 | - | 6,817 | 3 | 32 | 528 | 5 | - | - | 568 |
| **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 |
| 2001-2005 | 3 | 61 | 761 | 5,358 | 13,860 | 9,764 | 5,595 | 1,807 | 31 | 37,238 | 9 | 6,560 | 28,149 | 7,940 | 177 | 25 | 42,851 |
| 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 | 0 | 7 | 204 | 185 | 500 | 951 | 1,252 | 440 | 6 | 3,545 | - | 556 | 3,580 | 2,019 | 6,631 | - | 12,786 |
| 2012 | 21 | 108 | 864 | 1,591 | 3,187 | 6,272 | 3,999 | 1,040 | 8 | 17,090 | - | 70 | 2,395 | 4,975 | 6,965 | 2 | 14,407 |
| 2013 | 257 | 196 | 213 | 3,212 | 6,419 | 14,722 | 1,691 | 1,606 | - | 28,316 | - | 17 | 5,050 | 2,773 | 2,658 | 25 | 10,523 |
| 2014[c/] | 10 | 32 | 1,083 | 1,301 | 6,295 | 4,286 | 1,882 | 1,252 | - | 16,141 | 4 | 3,562 | 33,397 | 19,287 | 26,498 | 49 | 82,797 |

TABLE A-10. Oregon ocean recreational salmon landings in numbers of fish by catch area and month.[a/] (Page 4 of 4)

| 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 |
| 2001-2005 | 3 | 61 | 767 | 5,434 | 14,634 | 11,369 | 5,836 | 1,808 | 31 | 39,942 | 9 | 6,645 | 35,139 | 22,010 | 2,198 | 25 | 66,017 |
| 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 | 0 | 7 | 204 | 314 | 647 | 2,215 | 1,331 | 440 | 6 | 5,164 | - | 734 | 4,561 | 6,151 | 7,386 | - | 18,832 |
| 2012 | 21 | 108 | 864 | 2,169 | 3,837 | 6,703 | 4,044 | 1,040 | 8 | 18,794 | - | 156 | 3,010 | 5,715 | 7,196 | 2 | 16,079 |
| 2013 | 257 | 196 | 213 | 3,943 | 6,742 | 15,514 | 1,763 | 1,606 | - | 30,234 | - | 1,160 | 6,041 | 4,479 | 2,831 | 25 | 14,536 |
| 2014[c/] | 10 | 32 | 1,083 | 1,471 | 6,919 | 5,679 | 1,997 | 1,252 | - | 18,443 | 4 | 3,954 | 38,431 | 27,800 | 29,304 | 49 | 99,542 |

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 | | | | | Washington | | | | |
|---|---|---|---|---|---|---|---|---|---|
| or Avg. | Ilwaco | Westport | La Push | Neah Bay[a/] | Subtotal | Oregon | California | Alaska | Total |
| | | | | **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 |
| 2001-2005 | 82 | 593 | 195 | 454 | 1,324 | 30 | 0 | 0 | 1,354 |
| 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 | 92 | 1,133 | 669 | 170 | 2,064 | - | - | 0 | 2,064 |
| 2012 | 107 | 654 | 1,045 | 254 | 2,060 | - | - | 0 | 2,060 |
| 2013 | 130 | 1,498 | 435 | 254 | 2,308 | - | - | 0 | 2,308 |
| 2014[b/] | 394 | 791 | 716 | 245 | 2,022 | - | - | 0 | 2,022 |
| | | | | **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 |
| 2001-2005 | 1,293 | 17,254 | 4,481 | 17,310 | 40,338 | 812 | 0 | 0 | 41,149 |
| 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 | 1,032 | 12,518 | 10,418 | 2,934 | 26,902 | - | - | 0 | 26,902 |
| 2012 | 2,250 | 8,781 | 19,722 | 6,102 | 36,855 | - | - | 0 | 36,855 |
| 2013 | 560 | 25,171 | 8,388 | 5,971 | 40,090 | - | - | 0 | 40,090 |
| 2014[b/] | 8,980 | 12,550 | 13,851 | 3,326 | 38,707 | - | - | 0 | 38,707 |

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 | | | | | Washington | | | | |
|---|---|---|---|---|---|---|---|---|---|
| or Avg. | Ilwaco | Westport | La Push | Neah Bay[a/] | Subtotal | Oregon | California | Alaska | Total |
| | | | | | **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 |
| 1996-2000 | 1,413 | 2,387 | 851 | 7,478 | 8,881 | 0 | - | 103 | 8,984 |
| 2001-2005 | 929 | 3,240 | 1,555 | 1,231 | 6,397 | 0 | - | 103 | 6,500 |
| 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 | 38 | 1,708 | 1,167 | 140 | 3,053 | - | - | 0 | 3,053 |
| 2012 | 89 | 856 | 2,119 | 204 | 3,268 | - | - | 0 | 3,268 |
| 2013 | 127 | 3,759 | 1,846 | 309 | 6,041 | - | - | 0 | 6,041 |
| 2014[b/] | 2,239 | 8,525 | 4,602 | 41 | 15,407 | - | - | 0 | 15,407 |
| | | | | | **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 |
| 1996-2000 | 0 | 2 | 7 | 21 | 29 | 19 | 0 | 0 | 48 |
| 2001-2005 | 13 | 18 | 38 | 29 | 97 | 19 | 0 | 0 | 116 |
| 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 | 0 | 110 | 98 | 7 | 215 | - | - | 0 | 215 |
| 2012 | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |
| 2013 | 0 | 15 | 99 | 27 | 141 | - | - | 0 | 141 |
| 2014[b/] | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |

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 |
|---|---|---|---|---|---|---|---|
| Neah Bay[c/] | | | | | | | |
| 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 |
| 2001-2005 | 165 | 56 | 129 | 119 | 24 | - | 454 |
| 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 | 107 | 34 | 17 | 3 | 9 | - | 170 |
| 2012 | 114 | 83 | 21 | 21 | 15 | - | 254 |
| 2013 | 151 | - | 90 | 4 | - | - | 245 |
| 2014[d/] | 109 | 1 | 6 | 5 | - | - | 121 |
| La Push | | | | | | | |
| 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 |
| 2001-2005 | 31 | 12 | 76 | 88 | 15 | - | 195 |
| 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 | 199 | 236 | 139 | 70 | 25 | - | 669 |
| 2012 | 124 | 286 | 229 | 246 | 160 | - | 1,045 |
| 2013 | 190 | - | 175 | 70 | - | - | 435 |
| 2014[d/] | 291 | 84 | 169 | 140 | 32 | - | 716 |
| Westport | | | | | | | |
| 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 |
| 2001-2005 | 207 | 73 | 151 | 129 | 55 | - | 593 |
| 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 | 300 | 386 | 292 | 135 | 20 | - | 1,133 |
| 2012 | 126 | 264 | 202 | 39 | 23 | - | 654 |
| 2013 | 380 | 498 | 206 | 331 | 83 | - | 1,498 |
| 2014[d/] | 189 | 103 | 222 | 192 | 85 | - | 791 |

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 |
| 2001-2005 | 15 | 5 | 24 | 29 | 14 | - | 82 |
| 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 | 42 | 43 | 1 | 3 | 3 | - | 92 |
| 2012 | 5 | 76 | 14 | 2 | 10 | - | 107 |
| 2013 | 47 | 51 | 15 | 10 | 7 | - | 130 |
| 2014[d/] | 250 | 49 | 42 | 35 | 18 | - | 394 |
| | | | | | | | |
| **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 |
| 2001-2005 | 417 | 146 | 381 | 324 | 94 | - | 1,324 |
| 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 | 648 | 699 | 449 | 211 | 57 | - | 2,064 |
| 2012 | 369 | 709 | 466 | 308 | 208 | - | 2,060 |
| 2013 | 768 | 549 | 486 | 415 | 90 | - | 2,308 |
| 2014[d/] | 839 | 237 | 439 | 372 | 135 | - | 2,022 |

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** | | | |
| Neah Bay[c/] | | | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 6,624 | 2,491 | 4,402 | 4,393 | 699 | 17,310 | - | - | 424 | 962 | 171 | 1,231 | 0 | 3 | 18 | 12 | 0 | 29 |
| 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 | 2,022 | 513 | 276 | 30 | 93 | 2,934 | - | - | 1 | 0 | 139 | 140 | 0 | 0 | 7 | 0 | 0 | 7 |
| 2012 | 4,511 | 788 | 157 | 421 | 225 | 6,102 | - | - | 0 | 125 | 79 | 204 | | | | | | |
| 2013 | 3,984 | - | 1,900 | 87 | - | 5,971 | - | - | 279 | 30 | - | 309 | 2 | - | 2 | 23 | - | 27 |
| 2014[d/] | 3,075 | 27 | 168 | 56 | - | 3,326 | - | - | 19 | 22 | - | 41 | | | | | | |
| La Push | | | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 797 | 338 | 1,798 | 1,848 | 176 | 4,481 | - | - | 745 | 956 | 187 | 1,555 | 1 | 0 | 21 | 18 | 10 | 38 |
| 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 | 2,700 | 4,075 | 2,683 | 781 | 179 | 10,418 | - | - | 574 | 436 | 157 | 1,167 | 0 | 2 | 58 | 37 | 1 | 98 |
| 2012 | 4,242 | 4,341 | 3,524 | 5,868 | 1,747 | 19,722 | - | - | 256 | 839 | 1,024 | 2,119 | | | | | | |
| 2013 | 4,186 | - | 2,396 | 1,806 | - | 8,388 | - | - | 1,054 | 792 | - | 1,846 | 0 | 0 | 93 | 6 | 0 | 99 |
| 2014[d/] | 7,553 | 1,217 | 3,208 | 1,672 | 201 | 13,851 | - | - | 1,149 | 3,069 | 384 | 4,602 | | | | | | |

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 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** | | | |
| Westport | | | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 7,894 | 3,243 | 3,497 | 2,336 | 475 | 17,254 | - | - | 696 | 1,083 | 2,667 | 3,240 | 0 | 0 | 16 | 2 | 0 | 18 |
| 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 | 2,960 | 4,727 | 3,056 | 1,709 | 66 | 12,518 | - | - | 1,055 | 456 | 197 | 1,708 | 0 | 1 | 53 | 56 | 0 | 110 |
| 2012 | 1,613 | 5,242 | 1,631 | 109 | 186 | 8,781 | - | - | 490 | 152 | 214 | 856 | | | | | | |
| 2013 | 2,317 | 11,848 | 3,520 | 6,796 | 690 | 25,171 | - | - | 559 | 2,942 | 258 | 3,759 | 0 | 0 | 6 | 8 | 1 | 15 |
| 2014[d/] | 2,160 | 1,313 | 4,722 | 3,936 | 419 | 12,550 | - | - | 1,739 | 2,959 | 3,827 | 8,525 | | | | | | |
| Ilwaco | | | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 398 | 110 | 357 | 355 | 121 | 1,293 | - | - | 278 | 405 | 502 | 929 | 0 | 0 | 11 | 1 | 0 | 13 |
| 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 | 472 | 543 | 1 | 12 | 4 | 1,032 | - | - | 1 | 25 | 12 | 38 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2012 | 263 | 1,687 | 66 | 0 | 234 | 2,250 | - | - | 23 | 2 | 64 | 89 | | | | | | |
| 2013 | 102 | 358 | 42 | 19 | 39 | 560 | - | - | 28 | 80 | 19 | 127 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014[d/] | 7,438 | 553 | 598 | 297 | 94 | 8,980 | - | - | 534 | 822 | 883 | 2,239 | | | | | | |

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 |
| 2001-2005 | 15,712 | 6,182 | 10,054 | 7,683 | 1,178 | 40,338 | - | - | 2,142 | 2,639 | 3,408 | 6,397 | 2 | 3 | 66 | 23 | 5 | 97 |
| 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 | 8,154 | 9,858 | 6,016 | 2,532 | 342 | 26,902 | - | - | 1,631 | 917 | 505 | 3,053 | 0 | 3 | 118 | 93 | 1 | 215 |
| 2012 | 10,629 | 12,058 | 5,378 | 6,398 | 2,392 | 36,855 | - | - | 769 | 1,118 | 1,381 | 3,268 | | | | | | |
| 2013 | 10,589 | 12,206 | 7,858 | 8,708 | 729 | 40,090 | - | - | 1,920 | 3,844 | 277 | 6,041 | 2 | 0 | 101 | 37 | 1 | 141 |
| 2014[d/] | 20,226 | 3,110 | 8,696 | 5,961 | 714 | 38,707 | - | - | 3,441 | 6,872 | 5,094 | 15,407 | | | | | | |

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. | May-Sept. | Year |
|---|---|---|---|---|---|---|---|---|---|---|
| Area 4B | | | | | | | | | | |
| 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 |
| 2001-2005 | 34 | 15 | 18 | 27 | 27 | 10 | - | 65 | 97 | 196 |
| 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 | - | 18 | 479 | 573 |
| 2010 | 145 | 143 | 200 | 25 | 7 | 1 | - | 51 | 376 | 572 |
| 2011 | 301 | 68 | 51 | 7 | 1 | 0 | - | 22 | 127 | 450 |
| 2012 | 182 | 75 | 78 | 66 | 14 | 7 | - | 29 | 240 | 451 |
| 2013 | 268 | 141 | 70 | 36 | 6 | 1 | - | 117 | 254 | 639 |
| 2014[a/] | 416 | 45 | 164 | 4 | 4 | 3 | - | 34 | 220 | 670 |
| Neah Bay | | | | | | | | | | |
| 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 |
| 2001-2005 | 1 | 30 | 46 | 71 | 84 | 56 | - | 0 | 286 | 287 |
| 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 | 26 | 27 | 122 | 110 | 0 | - | 0 | 285 | 285 |
| 2010 | 0 | 5 | 94 | 63 | 99 | 41 | - | 0 | 302 | 302 |
| 2011 | 0 | 24 | 130 | 122 | 95 | 21 | - | 0 | 392 | 392 |
| 2012 | 0 | 56 | 175 | 134 | 190 | 94 | - | 0 | 649 | 649 |
| 2013 | 0 | 131 | 106 | 142 | 253 | 55 | - | 0 | 687 | 687 |
| 2014[a/] | 0 | 97 | 57 | 71 | 69 | 18 | - | 0 | 312 | 312 |
| La Push[b/] | | | | | | | | | | |
| 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 |
| 2001-2005 | 0 | 0 | 0 | 1 | 1 | 1 | 10 | - | 4 | 12 |
| 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 | 0 | 3 | 1 | 11 | 12 | 2 | 4 | - | 29 | 33 |
| 2011 | 0 | 0 | 3 | 0 | 3 | 2 | 1 | - | 8 | 9 |
| 2012 | 0 | 8 | 3 | 5 | 12 | 2 | 4 | - | 30 | 34 |
| 2013 | 0 | 6 | 17 | 22 | 10 | 2 | 6 | - | 57 | 63 |
| 2014[a/] | 0 | 41 | 59 | 158 | 131 | 57 | 0 | - | 446 | 446 |

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. | Nov.-Dec. | Total May-Sept. | Year Total |
|---|---|---|---|---|---|---|---|---|---|---|
| Westport | | | | | | | | | | |
| 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 |
| 2001-2005 | 0 | 2 | 1 | 1 | 4 | 2 | - | - | 10 | 10 |
| 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 | 29 | 1 | - | - | 50 | 50 |
| 2010 | 0 | 4 | 40 | 56 | 32 | 18 | - | - | 150 | 150 |
| 2011 | 0 | 0 | 5 | 22 | 32 | 1 | - | - | 60 | 60 |
| 2012 | 0 | 5 | 12 | 7 | 11 | 0 | - | - | 35 | 35 |
| 2013 | 0 | 1 | 7 | 2 | 14 | 2 | - | - | 26 | 26 |
| 2014[a/] | 0 | 7 | 4 | 6 | 9 | 3 | - | - | 29 | 29 |
| **Statewide Total** | | | | | | | | | | |
| 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 |
| 2001-2005 | 35 | 47 | 66 | 100 | 116 | 69 | 10 | 65 | 397 | 505 |
| 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 | 82 | 238 | 233 | 269 | 5 | 4 | 18 | 827 | 925 |
| 2010 | 145 | 155 | 335 | 155 | 150 | 62 | 4 | 51 | 857 | 1,057 |
| 2011 | 301 | 92 | 189 | 151 | 131 | 24 | 1 | 22 | 587 | 911 |
| 2012 | 182 | 144 | 268 | 212 | 227 | 103 | 4 | 29 | 954 | 1,169 |
| 2013 | 268 | 279 | 200 | 202 | 283 | 60 | 6 | 117 | 1,024 | 1,415 |
| 2014[a/] | 416 | 190 | 284 | 239 | 213 | 81 | 0 | 34 | 1,007 | 1,457 |

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. | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct.[b/] | Nov.-Dec. | Total May-Sept. | Total Year | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct.[b/] | Nov.-Dec. | Total May-Sept. | Total Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **CHINOOK** | | | | | | | | | | **COHO** | | | | |
| 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 |
| 2001-2005 | 894 | 388 | 2,299 | 522 | 485 | 358 | - | 3,765 | 4,052 | 8,711 | 1 | 0 | 0 | 1,309 | 3,197 | 545 | - | 30 | 5,051 | 5,082 |
| 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 | 1,722 | 1,657 | 3,240 | 171 | 37 | 9 | - | 200 | 5,114 | 7,036 | 0 | 0 | 0 | 106 | 3 | 0 | - | 12 | 109 | 121 |
| 2011 | 2,889 | 585 | 373 | 46 | 15 | 0 | - | 90 | 1,019 | 3,998 | 2 | 0 | 0 | 10 | 13 | 0 | - | 2 | 23 | 27 |
| 2012[a/] | 1,219 | 635 | 699 | 677 | 295 | 43 | - | 331 | 2,349 | 3,899 | 0 | 0 | 2 | 235 | 229 | 166 | - | 4 | 632 | 636 |
| 2013[a/] | 1,669 | 1,989 | 2,456 | 164 | 43 | 1 | - | 721 | 4,653 | 7,043 | 3 | 0 | 0 | 303 | 0 | 0 | - | 10 | 303 | 316 |
| 2014[a/] | 3,316 | 819 | 3,051 | 20 | 22 | 12 | - | 267 | 3,924 | 7,507 | 3 | 0 | 0 | 12 | 24 | 19 | - | 0 | 55 | 58 |
| 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 |
| 2001-2005 | 11 | 4,666 | 12,259 | 8,821 | 5,524 | 2,762 | - | 0 | 34,033 | 34,044 | 20 | 2 | 3 | 5,938 | 14,570 | 8,744 | - | 0 | 29,257 | 29,277 |
| 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 | 799 | 1,083 | 1,615 | 1,649 | 0 | - | 0 | 5,146 | 5,146 | 0 | 0 | 0 | 21,558 | 23,832 | 0 | - | 0 | 45,390 | 45,390 |
| 2010 | 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 | 0 | 535 | 7,701 | 14,462 | 5,014 | 359 | - | 0 | 28,071 | 28,071 | 0 | 0 | 0 | 1,951 | 4,196 | 6,174 | - | 0 | 12,321 | 12,321 |
| 2012[a/] | 0 | 2,975 | 19,218 | 8,805 | 13,121 | 4,627 | - | 0 | 48,746 | 48,746 | 0 | 1 | 27 | 2,131 | 16,750 | 15,524 | - | 0 | 34,433 | 34,433 |
| 2013[a/] | 0 | 8,983 | 13,788 | 7,834 | 6,980 | 2,073 | - | 0 | 39,658 | 39,658 | 0 | 0 | 0 | 6,955 | 33,551 | 3,847 | - | 1 | 44,353 | 44,354 |
| 2014[a/] | 0 | 7,247 | 5,754 | 4,362 | 2,617 | 492 | - | 0 | 20,472 | 20,472 | 0 | 0 | 11 | 2,852 | 9,739 | 1,070 | - | 0 | 13,672 | 13,672 |

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. | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct.[b/] | Nov.-Dec. | Total May-Sept. | Total Year | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct.[b/] | Nov.-Dec. | Total May-Sept. | Total Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | **CHINOOK** | | | | | | | | | | **COHO** | | | | | |
| La Push[b/] | | | | | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 0 | 52 | 10 | 70 | 40 | 15 | 23 | - | 186 | 204 | 0 | 0 | 0 | 12 | 84 | 12 | 66 | - | 109 | 162 |
| 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 | 0 | 25 | - | 360 | 385 | 0 | 0 | 0 | 102 | 3,060 | 15 | 15 | - | 3,177 | 3,192 |
| 2010 | 0 | 6 | 85 | 754 | 702 | 74 | 10 | - | 1,621 | 1,631 | 0 | 2 | 0 | 157 | 226 | 51 | 15 | - | 436 | 451 |
| 2011 | 0 | 0 | 457 | 0 | 69 | 46 | 0 | - | 572 | 572 | 0 | 0 | 0 | 0 | 29 | 482 | 0 | - | 511 | 511 |
| 2012[a/] | 0 | 722 | 258 | 322 | 1,060 | 164 | 10 | - | 2,526 | 2,536 | 0 | 0 | 1 | 44 | 1,002 | 179 | 0 | - | 1,226 | 1,226 |
| 2013[a/] | 0 | 954 | 2,694 | 1,188 | 160 | 8 | 11 | - | 5,004 | 5,015 | 0 | 0 | 7 | 431 | 1,342 | 249 | 0 | - | 2,029 | 2,029 |
| 2014[a/] | 0 | 4,192 | 7,992 | 15,669 | 5,502 | 2,152 | 0 | - | 35,507 | 35,507 | 0 | 0 | 4 | 7,446 | 29,203 | 5,031 | 0 | - | 41,684 | 41,684 |
| Westport | | | | | | | | | | | | | | | | | | | | |
| 1976-1980 | 0 | 12 | 14 | 27 | 24 | 1 | 0 | 0 | 78 | 78 | 0 | 0 | 27 | 10 | 58 | 1 | 0 | 0 | 95 | 95 |
| 1981-1985 | 0 | 321 | 123 | 310 | 105 | 6 | 0 | 0 | 865 | 865 | 0 | 0 | 353 | 1,262 | 561 | 199 | 0 | 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 |
| 2001-2005 | 0 | 355 | 92 | 49 | 222 | 125 | - | - | 843 | 843 | 0 | 0 | 0 | 0 | 114 | 80 | - | - | 194 | 194 |
| 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 | 0 | 32 | 766 | 938 | 468 | 624 | - | - | 2,828 | 2,828 | 0 | 0 | 50 | 448 | 249 | 1,390 | - | - | 2,137 | 2,137 |
| 2011 | 0 | 0 | 277 | 253 | 1,560 | 13 | - | - | 2,103 | 2,103 | 0 | 0 | 0 | 132 | 566 | 55 | - | - | 753 | 753 |
| 2012[a/] | 0 | 133 | 510 | 352 | 174 | 0 | - | - | 1,169 | 1,169 | 0 | 0 | 71 | 290 | 809 | 0 | - | - | 1,170 | 1,170 |
| 2013[a/] | 0 | 3 | 149 | 54 | 410 | 44 | - | - | 660 | 660 | 0 | 0 | 0 | 18 | 943 | 68 | - | - | 1,029 | 1,029 |
| 2014[a/] | 0 | 327 | 192 | 555 | 580 | 31 | - | - | 1,685 | 1,685 | 0 | 0 | 0 | 87 | 244 | 155 | - | - | 486 | 486 |

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. | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct.[b/] | Nov.-Dec. | Total May-Sept. | Total Year | Jan.-Apr. | May | June | July | Aug. | Sept. | Oct.[b/] | Nov.-Dec. | Total May-Sept. | Total Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | CHINOOK | | | | | | | | | | COHO | | | | |
| **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 |
| 2001-2005 | 905 | 5,461 | 14,660 | 9,462 | 6,271 | 3,260 | 23 | 3,765 | 39,114 | 43,802 | 20 | 2 | 3 | 7,259 | 17,964 | 9,381 | 66 | 30 | 34,611 | 34,714 |
| 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 | 1,491 | 5,828 | 2,329 | 2,566 | 12 | 25 | 68 | 12,226 | 12,783 | 0 | 0 | 0 | 25,422 | 35,141 | 100 | 15 | 0 | 60,663 | 60,678 |
| 2010 | 1,722 | 1,926 | 12,150 | 6,943 | 9,693 | 1,664 | 10 | 200 | 32,376 | 34,308 | 0 | 2 | 63 | 2,015 | 5,058 | 4,323 | 15 | 12 | 11,461 | 11,488 |
| 2011 | 2,889 | 1,120 | 8,808 | 14,761 | 6,658 | 418 | 0 | 90 | 31,765 | 34,744 | 2 | 0 | 0 | 2,093 | 4,804 | 6,711 | 0 | 2 | 13,608 | 13,612 |
| 2012[a/] | 1,219 | 4,465 | 20,685 | 10,156 | 14,650 | 4,834 | 10 | 331 | 54,790 | 56,350 | 0 | 1 | 101 | 2,700 | 18,790 | 15,869 | 0 | 4 | 37,461 | 37,465 |
| 2013[a/] | 1,669 | 11,929 | 19,087 | 9,240 | 7,593 | 2,126 | 11 | 721 | 49,975 | 52,376 | 3 | 0 | 7 | 7,707 | 35,836 | 4,164 | 0 | 11 | 47,714 | 47,728 |
| 2014[a/] | 3,316 | 12,585 | 16,989 | 20,606 | 8,721 | 2,687 | 0 | 267 | 61,588 | 65,171 | 3 | 0 | 15 | 10,397 | 39,210 | 6,275 | 0 | 0 | 55,897 | 55,900 |

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. | Total Year |
|---|---|---|---|---|---|---|---|---|---|---|
| Area 4B | | | | | | | | | | |
| 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 | 0 | 0 | 3 | 55 | 15 | 0 | - | 0 | 73 | 73 |
| 2013[b/] | 0 | 0 | 0 | 39 | 0 | 0 | - | 0 | 39 | 39 |
| Neah Bay | | | | | | | | | | |
| 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 | 0 | 0 | 3 | 656 | 310 | 16 | - | 0 | 985 | 985 |
| 2013[b/] | 0 | 0 | 0 | 49 | 115 | 0 | - | 0 | 164 | 164 |
| La Push | | | | | | | | | | |
| 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 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | - | 4 | 4 |
| 2013[b/] | 0 | 0 | 0 | 15 | 5 | 0 | 0 | - | 20 | 20 |

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. | Total 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 | 0 | 0 | 0 | 2 | 2 | 0 | - | - | 4 | 4 |
| 2013[b/] | 0 | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |
| **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 | 0 | 0 | 6 | 713 | 331 | 16 | 0 | 0 | 1,066 | 1,066 |
| 2013[b/] | 0 | 0 | 0 | 103 | 120 | 0 | 0 | 0 | 223 | 223 |

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 |
|---|---|---|---|---|---|---|---|---|
| Neah Bay | | | | | | | | |
| 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 |
| 2001-2005 | - | 576 | 1,447 | 10,063 | 7,081 | 1,199 | - | 19,326 |
| 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 | - | - | 638 | 5,500 | 4,259 | 671 | - | 11,069 |
| 2012 | - | - | 638 | 7,324 | 3,641 | 1,268 | - | 13,439 |
| 2013 | - | 815 | 1,714 | 7,399 | 5,044 | 391 | - | 15,362 |
| 2014[b/] | - | 827 | 2,334 | 8,102 | 3,547 | 1,706 | - | 16,517 |
| La Push | | | | | | | | |
| 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 |
| 2001-2005 | - | 59 | 199 | 1,711 | 1,486 | 678 | 132 | 4,138 |
| 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 | - | - | 194 | 1,406 | 1,946 | 676 | 16 | 4,237 |
| 2012 | - | - | 236 | 1,190 | 1,379 | 768 | 353 | 3,926 |
| 2013 | - | 136 | 239 | 971 | 2,263 | 420 | 237 | 4,266 |
| 2014[b/] | - | 36 | 352 | 1,422 | 2,007 | 883 | 365 | 5,064 |
| Westport | | | | | | | | |
| 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 |
| 2001-2005 | - | 1,861 | 4,425 | 18,150 | 15,487 | 6,189 | - | 42,500 |
| 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 | - | - | 4,705 | 10,428 | 14,973 | 3,440 | - | 33,545 |
| 2012 | - | - | 8,187 | 8,898 | 14,147 | 6,092 | - | 37,325 |
| 2013 | - | - | 7,020 | 7,641 | 16,639 | 4,589 | - | 35,889 |
| 2014[b/] | - | 780 | 7,645 | 19,006 | 18,838 | 7,500 | - | 53,769 |

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 |
| 2001-2005 | - | 215 | 781 | 12,573 | 23,125 | 7,773 | - | 43,983 |
| 2006 | - | - | 781 | 9,502 | 21,175 | 6,351 | - | 37,539 |
| 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 | - | - | 674 | 5,358 | 15,127 | 3,586 | - | 24,744 |
| 2012 | - | - | 1,964 | 5,627 | 10,154 | 5,224 | - | 22,970 |
| 2013 | - | - | 2,843 | 4,833 | 13,381 | 3,438 | - | 24,496 |
| 2014[b/] | - | 36 | 2,575 | 11,306 | 22,617 | 7,735 | - | 44,268 |
| **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 |
| 2001-2005 | - | 2,711 | 6,245 | 42,497 | 47,179 | 14,601 | 132 | 109,947 |
| 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 | - | - | 6,211 | 22,692 | 36,305 | 8,372 | 16 | 73,596 |
| 2012 | - | - | 11,591 | 23,040 | 29,322 | 13,352 | 353 | 77,659 |
| 2013 | - | 951 | 11,816 | 20,844 | 37,328 | 8,838 | 237 | 80,014 |
| 2014[b/] | - | 1,678 | 12,906 | 39,834 | 47,010 | 17,824 | 365 | 119,617 |

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** | | | | |
| Neah Bay | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | 234 | 683 | 2,710 | 705 | 77 | - | 3,949 | - | - | 573 | 8,391 | 7,468 | 1,039 | - | 17,128 |
| 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 | - | - | 257 | 1,382 | 1,330 | 14 | - | 2,983 | - | - | 54 | 1,918 | 943 | 140 | - | 3,054 |
| 2012 | - | - | 812 | 3,524 | 1,173 | 42 | - | 5,552 | - | - | 27 | 3,643 | 3,094 | 784 | - | 7,548 |
| 2013 | - | 127 | 635 | 3,267 | 2,142 | 74 | - | 6,245 | - | - | 257 | 3,082 | 2,934 | 233 | - | 6,506 |
| 2014[c/] | - | 158 | 948 | 3,975 | 806 | 48 | - | 5,935 | - | - | 188 | 1,734 | 2,244 | 1,478 | - | 5,643 |
| La Push | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | 7 | 96 | 740 | 541 | 195 | 51 | 1,586 | - | - | - | 1,110 | 1,306 | 309 | 10 | 2,770 |
| 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 | - | - | 32 | 501 | 907 | 90 | 5 | 1,535 | - | - | 48 | 572 | 1,029 | 398 | 2 | 2,050 |
| 2012 | - | - | 86 | 463 | 443 | 153 | 133 | 1,278 | - | - | - | 473 | 1,052 | 698 | 21 | 2,243 |
| 2013 | - | 4 | 99 | 693 | 1,288 | 152 | 119 | 2,355 | - | - | 57 | 439 | 2,015 | 269 | 18 | 2,798 |
| 2014[c/] | - | 0 | 227 | 725 | 406 | 115 | 110 | 1,584 | - | - | 102 | 922 | 2,265 | 1,121 | 199 | 4,608 |

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** | | | | |
| Westport | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | 1,066 | 3,194 | 3,783 | 5,157 | 873 | - | 11,999 | - | 4,793 | 8,533 | 22,957 | 23,277 | 7,557 | - | 58,506 |
| 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 | - | - | 2,220 | 5,579 | 10,835 | 455 | - | 19,089 | - | - | 229 | 4,499 | 6,723 | 2,392 | - | 13,843 |
| 2012 | - | - | 7,574 | 4,033 | 6,709 | 1,170 | - | 19,486 | - | - | 184 | 3,124 | 3,375 | 5,241 | - | 11,924 |
| 2013 | - | - | 2,192 | 3,403 | 7,021 | 1,074 | - | 13,689 | - | - | 379 | 3,097 | 12,233 | 4,668 | - | 20,377 |
| 2014[c/] | - | 427 | 3,935 | 8,190 | 9,944 | 970 | - | 23,466 | - | - | 5,935 | 17,687 | 17,874 | 12,979 | - | 54,474 |
| Ilwaco[d/] | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | 53 | 664 | 1,814 | 3,895 | 826 | - | 6,944 | - | - | 522 | 18,205 | 29,244 | 8,022 | - | 55,784 |
| 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 | - | - | 352 | 808 | 4,107 | 329 | - | 5,596 | - | - | 289 | 5,104 | 12,678 | 2,564 | - | 20,634 |
| 2012 | - | - | 1,793 | 2,200 | 2,691 | 730 | - | 7,414 | - | - | 196 | 3,057 | 4,421 | 2,045 | - | 9,719 |
| 2013 | - | - | 1,300 | 1,356 | 3,284 | 688 | - | 6,629 | - | - | 2,287 | 4,007 | 8,599 | 1,566 | - | 16,459 |
| 2014[c/] | - | 44 | 917 | 2,570 | 5,019 | 491 | - | 9,041 | - | - | 2,223 | 14,833 | 30,029 | 11,247 | - | 58,332 |

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 |
| 2001-2005 | - | 2,607 | 5,200 | 14,961 | 12,700 | 2,859 | 51 | 35,251 | - | 5 | 1,795 | 40,606 | 52,131 | 15,016 | 10 | 109,200 |
| 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[/b] | - | - | 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 | - | - | 2,861 | 8,271 | 17,178 | 889 | 5 | 29,203 | - | - | 620 | 12,093 | 21,372 | 5,494 | 2 | 39,582 |
| 2012 | - | - | 10,265 | 10,220 | 11,016 | 2,096 | 133 | 33,729 | - | - | 407 | 10,297 | 11,942 | 8,767 | 21 | 31,434 |
| 2013 | - | 131 | 4,226 | 8,719 | 13,734 | 1,989 | 119 | 28,918 | - | - | 2,980 | 10,626 | 25,782 | 6,735 | 18 | 46,140 |
| 2014[c/] | - | 629 | 6,027 | 15,460 | 16,174 | 1,624 | 110 | 40,025 | - | - | 8,448 | 35,175 | 52,411 | 26,824 | 199 | 123,057 |

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 |
|---|---|---|---|---|---|---|---|---|
| Neah Bay | | | | | | | | |
| 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[a/] | - | 0 | 0 | 1,443 | 295 | 202 | - | 1,940 |
| 1991[a/] | - | - | - | 479 | 1,543 | 0 | - | 2,022 |
| 1993[a/] | - | 0 | - | 609 | 1,264 | 371 | - | 2,244 |
| 1995 | - | - | - | - | 2,578 | 30 | - | 2,608 |
| 1997[a/] | - | - | - | 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 | - | - | 33 | 3,320 | 3,960 | 159 | - | 7,473 |
| 2013 | - | - | 31 | 4,088 | 1,866 | 13 | - | 5,997 |
| La Push | | | | | | | | |
| 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 | - | - | 4 | 520 | 929 | 67 | 0 | 1,520 |
| 2013 | - | - | 3 | 232 | 406 | 1 | 0 | 643 |
| Westport | | | | | | | | |
| 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 | - | - | 4 | 544 | 1,270 | 13 | - | 1,832 |
| 2013 | - | - | 5 | 648 | 372 | 0 | - | 1,024 |

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 |
|---|---|---|---|---|---|---|---|---|
| Ilwaco[b/] | | | | | | | | |
| 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 | - | - | 0 | 2 | 1 | 0 | - | 3 |
| 2013 | - | - | 0 | 0 | 4 | 0 | - | 4 |
| **Total Statewide[c/]** | | | | | | | | |
| 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 | - | - | 41 | 4,386 | 6,161 | 240 | 0 | 10,828 |
| 2013 | - | - | 39 | 4,967 | 2,648 | 14 | 0 | 7,668 |

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

b/ 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cape Falcon to Humbug Mt.[a/] | | | | | | | | | | | |
| 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 |
| 2001-2005 | 687 | 1,208 | 2,310 | 1,994 | 942 | 1,631 | 1,673 | 1,213 | 161 | 25 | 11,190 |
| 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 | - | 317 | 887 | 1,080 | 100 | 207 | 122 | 226 | 235 | - | 3,174 |
| 2012 | - | 522 | 1,434 | 936 | 246 | 632 | 887 | 680 | 121 | - | 5,458 |
| 2013 | - | 1,029 | 1,135 | 771 | 518 | 2,144 | 1,343 | 893 | 155 | - | 7,988 |
| 2014[b/] | - | 955 | 2,123 | 1,738 | 1,048 | 2,179 | 756 | 293 | 98 | - | 9,190 |
| Humbug Mt. to Horse Mt. (KMZ)[a/c/] | | | | | | | | | | | |
| 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 |
| 2001-2005 | 3 | 17 | 41 | 82 | 110 | 166 | 388 | 110 | 13 | - | 819 |
| 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 | - | - | 60 | 60 | 160 | 135 | - | 75 | - | - | 490 |
| 2012 | - | 0 | 23 | 118 | 90 | 67 | 348 | 41 | - | - | 687 |
| 2013 | - | 13 | 185 | 267 | 441 | 321 | 89 | 52 | - | - | 1,368 |
| 2014[b/] | - | 10 | 476 | 82 | 38 | 70 | 117 | 80 | - | - | 873 |

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 |
| 2001-2005 | - | - | 4,248 | 2,367 | 4,540 | 2,963 | 2,396 | 293 | - | - | 16,807 |
| 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 | - | - | 1,879 | 504 | 1,737 | 1,897 | 638 | 117 | - | - | 6,772 |
| 2012 | - | - | 3,738 | 1,593 | 4,406 | 2,650 | 1,361 | 469 | - | - | 14,217 |
| 2013 | - | - | 4,268 | 3,904 | 3,979 | 2,638 | 1,620 | 223 | - | - | 16,632 |
| 2014[b/] | - | - | 2,911 | 2,660 | 3,276 | 2,960 | 1,723 | 561 | - | - | 14,091 |
| **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 |
| 2001-2005 | 689 | 1,222 | 6,590 | 4,426 | 5,359 | 4,401 | 4,457 | 1,616 | 168 | 25 | 28,816 |
| 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 | - | 317 | 2,826 | 1,644 | 1,997 | 2,239 | 760 | 418 | 235 | - | 10,436 |
| 2012 | - | 522 | 5,195 | 2,647 | 4,742 | 3,349 | 2,596 | 1,190 | 121 | - | 20,362 |
| 2013 | - | 1,042 | 5,588 | 4,942 | 4,938 | 5,103 | 3,052 | 1,168 | 155 | - | 25,988 |
| 2014[b/] | - | 965 | 5,510 | 4,480 | 4,362 | 5,209 | 2,596 | 934 | 98 | - | 24,154 |

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

b/ Preliminary.

c/ The current commercial KMZ boundaries are Humbug Mt. to Humboldt south jetty.

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.[a/] (Page 1 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** | | | | |
| Cape Falcon to Humbug Mt.[a/] | | | | | | | | | | | | | | | | | | | |
| 1978-1980 | - | 17 | 7,238 | 21,715 | 46,765 | 47,971 | 12,776 | 6,880 | 49 | - | 143,411 | - | - | 171,873 | 330,863 | 129,763 | 9,176 | 1,727 | 643,402 |
| 1981-1985 | - | - | 13,353 | 6,839 | 43,988 | 23,644 | 6,660 | 2,804 | 36 | - | 97,325 | - | - | - | 260,127 | 85,249 | 5,803 | - | 351,179 |
| 1986-1990 | - | - | 41,012 | 45,376 | 139,455 | 85,332 | 29,901 | 21,111 | 1,095 | - | 363,282 | - | - | 40 | 294,074 | 95,999 | 20,776 | - | 410,889 |
| 1991-1995 | - | - | 12,499 | 18,016 | 19,956 | 36,499 | 16,827 | 14,191 | 453 | - | 118,442 | - | - | 91,249 | 105,911 | 8,382 | - | 19 | 205,560 |
| 1996-2000 | - | - | 21,687 | 28,657 | 13,880 | 38,164 | 17,769 | 7,339 | 1,002 | - | 128,498 | - | - | 8 | - | - | - | - | 8 |
| 2001-2005 | 14,799 | 25,358 | 50,107 | 41,488 | 20,877 | 50,745 | 49,102 | 32,580 | 1,307 | 148 | 269,227 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | 9,658 | 3,616 | 962 | 4,367 | 3,449 | 1,555 | 131 | 23,738 | - | - | - | - | - | - | - | - |
| 2007 | - | 1,856 | 7,328 | 4,463 | 1,759 | 12,360 | 713 | 795 | 670 | 3 | 29,947 | - | - | - | - | 5,023 | 519 | - | 5,542 |
| 2008 | - | - | - | - | - | - | 64 | 12 | 208 | - | 284 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | 105 | 332 | - | - | 437 | - | - | - | - | - | 9,280 | - | 9,280 |
| 2010 | - | - | 9,019 | 8,966 | 4,276 | 3,797 | 56 | 1,330 | - | - | 27,444 | - | - | - | - | - | - | - | - |
| 2011 | - | 4,481 | 7,901 | 10,401 | 699 | 1,012 | 337 | 1,093 | 1,995 | - | 27,919 | - | - | - | - | - | - | - | - |
| 2012 | - | 3,633 | 14,533 | 7,357 | 1,785 | 8,771 | 13,673 | 8,756 | 701 | - | 59,209 | - | - | - | - | - | - | - | - |
| 2013 | - | 7,373 | 9,087 | 5,987 | 5,332 | 38,535 | 28,250 | 8,424 | 1,002 | - | 103,990 | - | - | - | - | - | - | - | - |
| 2014[b/] | - | 15,527 | 35,417 | 28,564 | 18,275 | 66,501 | 8,770 | 2,045 | 468 | - | 175,567 | - | - | - | - | - | 3,272 | - | 3,272 |
| Humbug Mt. to Horse Mt. (KMZ)[a/c/] | | | | | | | | | | | | | | | | | | | |
| 1978-1980 | - | 8,530 | 93,832 | 44,084 | 65,898 | 46,619 | 18,192 | 6,583 | 2,409 | - | 286,146 | 26,012 | 40,909 | 87,919 | 73,686 | 17,399 | 2,371 | 104 | 181,479 |
| 1981-1985 | - | - | 31,261 | 13,370 | 26,577 | 44,460 | 10,089 | 3,495 | 1,113 | - | 130,365 | - | 3,527 | 7,183 | 25,915 | 17,370 | 803 | 0 | 51,270 |
| 1986-1990 | - | - | 5,509 | 55,976 | 9,956 | 17,966 | 8,453 | 770 | 1,460 | - | 100,090 | - | - | 11,960 | 2,350 | 51 | 565 | 0 | 14,926 |
| 1991-1995 | - | - | 265 | - | 1,682 | 234 | 4,510 | 927 | - | - | 7,618 | - | - | - | - | - | 3 | 0 | 3 |
| 1996-2000 | - | - | 1,064 | - | - | 1,589 | 3,232 | 696 | - | - | 6,580 | - | - | - | - | - | - | - | 0 |
| 2001-2005 | 25 | 656 | 446 | 1,182 | 3,363 | 6,874 | 7,582 | 661 | 66 | - | 17,645 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | 12 | 590 | 136 | - | 738 | - | - | - | - | - | - | - | - |
| 2007 | - | 15 | 25 | 727 | 1,150 | 1,524 | 9,162 | 209 | 47 | - | 12,859 | - | - | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | 236 | - | - | 236 | - | - | - | - | - | - | - | - |
| 2009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | 164 | - | 51 | 125 | - | 529 | - | - | 869 | - | - | - | - | - | - | - | - |
| 2011 | - | - | 601 | 254 | 1,611 | 1,144 | - | 107 | - | - | 3,717 | - | - | - | - | - | - | - | - |
| 2012 | - | 0 | 371 | 1,287 | 1,456 | 1,328 | 6,115 | 118 | - | - | 10,675 | - | - | - | - | - | - | - | - |
| 2013 | - | 50 | 2,695 | 4,374 | 5,545 | 3,856 | 319 | 155 | - | - | 16,994 | - | - | - | - | - | - | - | - |
| 2014[b/] | - | 53 | 13,268 | 1,345 | 500 | 404 | 667 | 473 | - | - | 16,710 | - | - | - | - | - | - | - | - |

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** | | | |
| Horse Mt. to U.S./Mexico Border | | | | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | - | 81,370 | 73,618 | 122,399 | 52,345 | 39,885 | 1,905 | - | - | 371,521 | - | - | - | - | - | - | - | - |
| 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 | - | - | 11,732 | 4,189 | 30,085 | 19,494 | 1,820 | 317 | - | - | 67,637 | - | - | - | - | - | - | - | - |
| 2012 | - | - | 58,857 | 19,385 | 92,842 | 28,266 | 7,691 | 3,313 | - | - | 210,354 | - | - | - | - | - | - | - | - |
| 2013 | - | - | 74,828 | 81,625 | 95,896 | 23,249 | 10,910 | 941 | - | - | 287,449 | - | - | - | - | - | - | - | - |
| 2014[b/] | - | - | 33,943 | 39,096 | 54,604 | 23,724 | 11,597 | 2,909 | - | - | 165,873 | - | - | - | - | - | - | - | - |
| **Total South of Cape Falcon[a/]** | | | | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 14,823 | 25,883 | 131,834 | 116,052 | 141,118 | 98,440 | 96,569 | 35,145 | 1,347 | 148 | 658,393 | - | - | - | - | - | - | - | - |
| 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 | - | 4,481 | 20,234 | 14,844 | 32,395 | 21,650 | 2,157 | 1,517 | 1,995 | - | 99,273 | - | - | - | - | - | - | - | - |
| 2012 | - | 3,633 | 73,761 | 28,029 | 96,083 | 38,365 | 27,479 | 12,187 | 701 | - | 280,238 | - | - | - | - | - | - | - | - |
| 2013 | - | 7,423 | 86,610 | 91,986 | 106,773 | 65,640 | 39,479 | 9,520 | 1,002 | - | 408,433 | - | - | - | - | - | - | - | - |
| 2014[b/] | - | 15,580 | 82,628 | 69,005 | 73,379 | 90,629 | 21,034 | 5,427 | 468 | - | 358,150 | - | - | - | - | - | 3,272 | - | 3,272 |

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

b/ Preliminary.

c/ The current commercial KMZ boundaries are Humbug Mt. to Humboldt south jetty.

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cape Falcon to Humbug Mt.[a/] | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | 63 | 212 | 1,460 | 12,416 | 37,987 | 18,656 | 8,798 | 3,531 | 182 | 83,279 |
| 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 | - | 22 | 75 | 433 | 2,965 | 10,835 | 10,173 | 9,354 | 1,240 | 16 | 35,113 |
| 2012 | - | 23 | 380 | 1,622 | 3,778 | 9,872 | 12,531 | 13,720 | 1,705 | 18 | 43,649 |
| 2013 | - | 479 | 693 | 911 | 3,970 | 11,214 | 25,977 | 11,833 | 4,214 | -- | 59,291 |
| 2014[b/] | - | 87 | 136 | 2,235 | 5,251 | 32,802 | 25,863 | 24,388 | 1,421 | -- | 92,183 |
| Humbug Mt. to Horse Mt. (KMZ)[a/] | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | - | - | 4,566 | 8,748 | 6,208 | 12,157 | 4,617 | 2,983 | - | 39,279 |
| 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 | - | - | - | 2,244 | 2,974 | 5,059 | 6,554 | 2,621 | 1,757 | - | 21,209 |
| 2012 | - | - | - | 3,619 | 9,514 | 14,645 | 15,183 | 3,576 | 3,666 | - | 50,203 |
| 2013 | - | - | - | 3,501 | 10,773 | 15,914 | 15,379 | 822 | 3,547 | - | 49,936 |
| 2014[b/] | - | - | - | 5,588 | 6,391 | 12,723 | 7,475 | 868 | 4,639 | - | 37,684 |

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 |
| 2001-2005 | 371 | 2,645 | 27,879 | 23,256 | 24,370 | 41,406 | 23,848 | 10,068 | 4,148 | 1,148 | 159,140 |
| 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 | - | - | 15,565 | 5,943 | 6,937 | 20,300 | 14,387 | 10,164 | 3,431 | - | 76,727 |
| 2012 | - | - | 21,466 | 18,077 | 21,974 | 28,417 | 14,620 | 7,914 | 3,588 | 569 | 116,625 |
| 2013 | - | - | 19,602 | 15,187 | 18,315 | 36,160 | 20,012 | 5,521 | 2,245 | 426 | 117,468 |
| 2014[b/] | - | - | 20,226 | 8,522 | 7,668 | 23,892 | 22,999 | 10,499 | 5,121 | 693 | 99,620 |
| **Total South of Cape Falcon[a/]** | | | | | | | | | | | |
| 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 |
| 2001-2005 | 371 | 2,683 | 28,091 | 29,281 | 45,533 | 85,601 | 54,662 | 23,483 | 10,662 | 1,330 | 281,698 |
| 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 | - | 22 | 15,640 | 8,620 | 12,876 | 36,194 | 31,114 | 22,139 | 6,428 | 16 | 133,049 |
| 2012 | - | 23 | 21,846 | 23,318 | 35,266 | 52,934 | 42,334 | 25,210 | 8,959 | 587 | 210,477 |
| 2013 | - | 479 | 20,295 | 19,599 | 33,058 | 63,288 | 61,368 | 18,176 | 10,006 | 426 | 226,695 |
| 2014[b/] | - | 87 | 20,362 | 16,345 | 19,310 | 69,417 | 56,337 | 35,755 | 11,181 | 693 | 229,487 |

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

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** | | | | | |
| Cape Falcon to Humbug Mt.[a/] | | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | 3 | 61 | 266 | 3,544 | 13,052 | 7,832 | 4,085 | 1,338 | 31 | 30,212 | - | - | - | 8 | 6,461 | 28,005 | 7,878 | 163 | 21 | - | 42,529 |
| 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 | - | 0 | 7 | 56 | 161 | 493 | 623 | 1,056 | 207 | 6 | 2,609 | - | - | - | - | 556 | 3,568 | 2,011 | 6,623 | - | - | 12,758 |
| 2012 | - | 21 | 108 | 530 | 687 | 858 | 2,258 | 2,791 | 506 | 8 | 7,767 | - | - | - | - | 55 | 2,251 | 4,927 | 6,965 | - | - | 14,198 |
| 2013 | - | 257 | 196 | 191 | 1,397 | 1,477 | 11,886 | 1,671 | 792 | -- | 17,867 | - | - | - | - | 9 | 4,748 | 2,650 | 2,658 | 19 | - | 10,084 |
| 2014[b/] | - | 10 | 32 | 266 | 826 | 2,954 | 3,233 | 1,866 | 137 | -- | 9,324 | - | - | - | 1 | 3,530 | 32,869 | 19,282 | 26,498 | 49 | - | 82,229 |
| Humbug Mt. to Horse Mt. (KMZ)[a/] | | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | - | - | 3,369 | 5,979 | 3,107 | 6,313 | 3,409 | 469 | - | 22,646 | - | - | - | 54 | 201 | 182 | 117 | 38 | 8 | - | 588 |
| 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 | - | - | - | 814 | 970 | 4,391 | 4,018 | 497 | 233 | - | 10,923 | - | - | - | 5 | 10 | 62 | 37 | 12 | - | - | 126 |
| 2012 | - | - | - | 3,911 | 11,769 | 14,139 | 14,502 | 3,912 | 534 | - | 48,767 | - | - | - | - | 50 | 176 | 48 | - | 2 | - | 276 |
| 2013 | - | - | - | 2,585 | 12,329 | 16,247 | 11,996 | 459 | 814 | - | 44,430 | - | - | - | - | 65 | 360 | 245 | - | 6 | - | 676 |
| 2014[b/] | - | - | - | 4,413 | 5,754 | 7,784 | 3,259 | 319 | 1,115 | - | 22,644 | - | - | - | 22 | 120 | 696 | 9 | 3 | - | - | 850 |

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 |
| 2001-2005 | 196 | 1,767 | 22,222 | 17,031 | 24,567 | 41,719 | 15,500 | 6,749 | 2,248 | 395 | 132,355 | - | - | 3 | 118 | 179 | 340 | 66 | 22 | - | - | 713 |
| 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 | - | - | 5,522 | 1,919 | 2,434 | 12,498 | 9,410 | 6,794 | 1,258 | - | 39,835 | - | - | 8 | 10 | 62 | 116 | 17 | - | 5 | - | 218 |
| 2012 | - | - | 18,786 | 11,146 | 17,027 | 23,897 | 6,987 | 4,385 | 2,094 | 160 | 84,482 | - | - | - | 3 | 14 | 14 | - | 3 | - | - | 34 |
| 2013 | - | - | 13,656 | 11,337 | 15,729 | 29,204 | 8,554 | 2,167 | 1,359 | 87 | 82,093 | - | - | - | - | 34 | 86 | 4 | - | - | - | 124 |
| 2014[b/] | - | - | 13,924 | 3,912 | 2,699 | 15,235 | 13,642 | 6,357 | 3,025 | 125 | 58,919 | - | - | - | 4 | 30 | 163 | - | - | - | - | 197 |
| **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 |
| 2001-2005 | 157 | 1,769 | 22,283 | 20,665 | 34,090 | 57,878 | 29,645 | 14,243 | 4,055 | 427 | 185,213 | - | - | 3 | 176 | 6,841 | 28,528 | 8,062 | 202 | 25 | - | 43,830 |
| 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 | - | 0 | 5,529 | 2,789 | 3,565 | 17,382 | 14,051 | 8,347 | 1,698 | 6 | 53,367 | - | - | 8 | 15 | 628 | 3,746 | 2,065 | 6,635 | 5 | - | 13,102 |
| 2012 | - | 21 | 18,894 | 15,587 | 29,483 | 38,894 | 23,747 | 11,088 | 3,134 | 168 | 141,016 | - | - | - | 3 | 119 | 2,441 | 4,975 | 6,968 | 2 | - | 14,508 |
| 2013 | - | 257 | 13,852 | 14,113 | 29,455 | 46,928 | 32,436 | 4,297 | 2,965 | 87 | 144,390 | - | - | - | - | 108 | 5,194 | 2,899 | 2,658 | 25 | - | 10,884 |
| 2014[b/] | - | 10 | 13,956 | 8,591 | 9,279 | 25,973 | 20,134 | 8,542 | 4,277 | 125 | 90,887 | - | - | - | 27 | 3,680 | 33,728 | 19,291 | 26,501 | 49 | - | 83,276 |

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

b/ Preliminary.

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 |
| 2001-2005 | 402 | 141 | 357 | 294 | 80 | - | 1,242 |
| 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 | 606 | 656 | 448 | 208 | 54 | - | 1,972 |
| 2012 | 364 | 633 | 452 | 306 | 198 | - | 1,953 |
| 2013 | 721 | 498 | 471 | 405 | 83 | - | 2,178 |
| 2014[b/] | 589 | 188 | 397 | 337 | 117 | - | 1,628 |
| 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 |
| 2001-2005 | 47 | 66 | 100 | 116 | 69 | - | 397 |
| 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 | 82 | 238 | 233 | 269 | 5 | 4 | 827 |
| 2010 | 155 | 335 | 155 | 150 | 62 | 4 | 857 |
| 2011 | 92 | 189 | 151 | 131 | 24 | 1 | 587 |
| 2012[b/] | 144 | 268 | 212 | 227 | 103 | 4 | 954 |
| 2013[b/] | 279 | 200 | 202 | 283 | 60 | 6 | 1,024 |
| 2014[b/] | 190 | 284 | 239 | 213 | 81 | 0 | 1,007 |
| **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 |
| 2001-2005 | 449 | 207 | 457 | 411 | 117 | - | 1,639 |
| 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 | 549 | 789 | 665 | 589 | 139 | 4 | 2,731 |
| 2010 | 666 | 1,193 | 656 | 578 | 108 | 4 | 3,201 |
| 2011 | 698 | 845 | 599 | 339 | 78 | 1 | 2,559 |
| 2012[b/] | 508 | 901 | 664 | 533 | 301 | 4 | 2,907 |
| 2013[b/] | 1,000 | 698 | 673 | 688 | 143 | 6 | 3,202 |
| 2014[b/] | 779 | 472 | 636 | 550 | 198 | 0 | 2,635 |

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 |
|---|---|---|---|---|---|---|---|
| Leadbetter Pt. to Cape Falcon - Non-Indian | | | | | | | |
| 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 |
| 2001-2005 | 93 | 33 | 114 | 181 | 86 | - | 472 |
| 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 | 127 | 167 | 42 | 27 | 18 | - | 381 |
| 2012 | 63 | 299 | 51 | 27 | 83 | - | 523 |
| 2013 | 111 | 170 | 47 | 56 | 33 | - | 417 |
| 2014[b/] | 711 | 128 | 209 | 100 | 74 | - | 1,222 |
| U.S./Canada Border to Cape Falcon - Non-Indian Total | | | | | | | |
| 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 |
| 2001-2005 | 495 | 173 | 470 | 475 | 166 | - | 1,713 |
| 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 | 733 | 823 | 490 | 235 | 72 | - | 2,353 |
| 2012 | 427 | 932 | 503 | 333 | 281 | - | 2,476 |
| 2013 | 832 | 668 | 518 | 461 | 116 | - | 2,595 |
| 2014[b/] | 1,300 | 316 | 606 | 437 | 191 | - | 2,850 |
| U.S./Canada Border to Cape Falcon - Treaty Indian Total[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 |
| 2001-2005 | 47 | 66 | 100 | 116 | 69 | - | 397 |
| 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 | 82 | 238 | 233 | 269 | 5 | 4 | 827 |
| 2010 | 155 | 335 | 155 | 150 | 62 | 4 | 857 |
| 2011 | 92 | 189 | 151 | 131 | 24 | 1 | 587 |
| 2012[b/] | 144 | 268 | 212 | 227 | 103 | 4 | 954 |
| 2013[b/] | 279 | 200 | 202 | 283 | 60 | 6 | 1,024 |
| 2014[b/] | 190 | 284 | 239 | 213 | 81 | 0 | 1,007 |

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 | 4,443 | 3,237 | 16,487 | 15,950 | 6,489 | 62 | 46,662 |
| 1981-1985 | 3,748 | 446 | 5,781 | 3,607 | 295 | 17 | 13,878 |
| 1986-1990 | 2,736 | 884 | 702 | 1,907 | 504 | 6 | 6,737 |
| 1991-1995 | 1,108 | 735 | 537 | 1,014 | 292 | 10 | 3,686 |
| 1996-2000 | 210 | 139 | 74 | 232 | 61 | - | 716 |
| 2001-2005 | 541 | 239 | 570 | 592 | 168 | 10 | 2,111 |
| 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 | 628 | 887 | 917 | 762 | 152 | 4 | 3,346 |
| 2010 | 758 | 1,503 | 820 | 715 | 131 | 4 | 3,927 |
| 2011 | 825 | 1,012 | 641 | 366 | 96 | 1 | 2,940 |
| 2012[b/] | 571 | 1,200 | 715 | 560 | 384 | 4 | 3,430 |
| 2013[b/] | 1,111 | 868 | 720 | 744 | 176 | 6 | 3,619 |
| 2014[b/] | 1,490 | 600 | 845 | 650 | 272 | 0 | 3,857 |

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.S./Canada Border to Leadbetter Pt. - Non-Indian | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 15,314 | 6,072 | 9,697 | 7,328 | 1,057 | - | 39,045 | - | - | 1,864 | 2,234 | 2,906 | - | 5,468 |
| 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 | 7,682 | 9,315 | 6,015 | 2,520 | 338 | - | 25,870 | - | - | 1,630 | 892 | 493 | - | 3,015 |
| 2012 | 10,366 | 10,371 | 5,312 | 6,398 | 2,158 | - | 34,605 | - | - | 746 | 1,116 | 1,317 | - | 3,179 |
| 2013 | 10,487 | 11,848 | 7,816 | 8,689 | 690 | - | 39,530 | - | - | 1,892 | 3,764 | 258 | - | 5,914 |
| 2014[b/] | 12,788 | 2,557 | 8,098 | 5,664 | 620 | - | 29,727 | - | - | 2,907 | 6,050 | 4,211 | - | 13,168 |
| U.S./Canada Border to Leadbetter Pt. - Treaty Indian[c/] | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 5,461 | 14,660 | 9,462 | 6,271 | 3,260 | 23 | 39,114 | 2 | 3 | 7,259 | 17,964 | 9,381 | 66 | 34,611 |
| 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 | 1,491 | 5,828 | 2,329 | 2,566 | 12 | 25 | 12,226 | 0 | 0 | 25,422 | 35,141 | 100 | 15 | 60,663 |
| 2010 | 1,926 | 12,150 | 6,943 | 9,693 | 1,664 | 10 | 32,376 | 2 | 63 | 2,015 | 5,058 | 4,323 | 15 | 11,461 |
| 2011 | 1,120 | 8,808 | 14,761 | 6,658 | 418 | 0 | 31,765 | 0 | 0 | 2,093 | 4,804 | 6,711 | 0 | 13,608 |
| 2012[b/] | 4,465 | 20,685 | 10,156 | 14,650 | 4,834 | 10 | 54,790 | 1 | 101 | 2,700 | 18,790 | 15,869 | 0 | 37,461 |
| 2013[b/] | 11,929 | 19,087 | 9,240 | 7,593 | 2,126 | 11 | 49,975 | 0 | 7 | 7,707 | 35,836 | 4,164 | 0 | 47,714 |
| 2014[b/] | 12,585 | 16,989 | 20,606 | 8,721 | 2,687 | 0 | 61,588 | 0 | 15 | 10,397 | 39,210 | 6,275 | 0 | 55,897 |

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[c/]** | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 20,775 | 20,732 | 19,159 | 13,599 | 3,895 | 23 | 78,159 | 2 | 3 | 8,751 | 20,198 | 11,125 | 66 | 40,079 |
| 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 | 7,036 | 9,923 | 3,944 | 3,246 | 132 | 25 | 24,281 | 0 | 0 | 30,279 | 44,422 | 3,763 | 15 | 78,464 |
| 2010 | 10,145 | 34,482 | 13,056 | 16,960 | 1,946 | 10 | 76,589 | 2 | 63 | 3,100 | 5,802 | 4,447 | 15 | 13,414 |
| 2011 | 8,802 | 18,123 | 20,776 | 9,178 | 756 | 0 | 57,635 | 0 | 0 | 3,723 | 5,696 | 7,204 | 0 | 16,623 |
| 2012 | 14,831 | 31,056 | 15,468 | 21,048 | 6,992 | 10 | 89,395 | 1 | 101 | 3,446 | 19,906 | 17,186 | 0 | 40,640 |
| 2013[b/] | 22,416 | 30,935 | 17,056 | 16,282 | 2,816 | 11 | 89,505 | 0 | 7 | 9,599 | 39,600 | 4,422 | 0 | 53,628 |
| 2014[b/] | 25,373 | 19,546 | 28,704 | 14,385 | 3,307 | 0 | 91,315 | 0 | 15 | 13,304 | 45,260 | 10,486 | 0 | 69,065 |
| 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 |
| 2001-2005 | 3,031 | 1,512 | 1,802 | 2,684 | 599 | - | 9,388 | - | - | 1,802 | 2,877 | 3,932 | - | 6,678 |
| 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 | 1,529 | 1,943 | 115 | 251 | 30 | - | 3,868 | - | - | 235 | 172 | 95 | - | 502 |
| 2012 | 1,297 | 7,053 | 276 | 149 | 1,919 | - | 10,694 | - | - | 62 | 37 | 615 | - | 714 |
| 2013 | 534 | 1,062 | 178 | 314 | 433 | - | 2,521 | - | - | 67 | 350 | 137 | - | 554 |
| 2014[b/] | 20,248 | 1,288 | 2,876 | 472 | 290 | - | 25,174 | - | - | 2,961 | 2,392 | 4,620 | - | 9,973 |

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.S./Canada Border to Cape Falcon - Non-Indian | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 18,345 | 7,584 | 11,499 | 10,012 | 1,656 | - | 48,433 | - | - | 3,666 | 5,111 | 6,838 | - | 12,146 |
| 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 | 9,211 | 11,258 | 6,130 | 2,771 | 368 | - | 29,738 | - | - | 1,865 | 1,064 | 588 | - | 3,517 |
| 2012 | 11,663 | 17,424 | 5,588 | 6,547 | 4,077 | - | 45,299 | - | - | 808 | 1,153 | 1,932 | - | 3,893 |
| 2013 | 11,021 | 12,910 | 7,994 | 9,003 | 1,123 | - | 42,051 | - | - | 1,959 | 4,114 | 395 | - | 6,468 |
| 2014[b/] | 33,036 | 3,845 | 10,974 | 6,136 | 910 | - | 54,901 | - | - | 5,868 | 8,442 | 8,831 | - | 23,141 |
| U.S./Canada Border to Cape Falcon - Treaty Indian[c/] | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | 5,461 | 14,660 | 9,462 | 6,271 | 3,260 | - | 39,114 | 2 | 3 | 7,259 | 17,964 | 9,381 | - | 34,611 |
| 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 | 1,491 | 5,828 | 2,329 | 2,566 | 12 | 25 | 12,226 | 0 | 0 | 25,422 | 35,141 | 100 | 15 | 60,663 |
| 2010 | 1,926 | 12,150 | 6,943 | 9,693 | 1,664 | 10 | 32,376 | 2 | 63 | 2,015 | 5,058 | 4,323 | 15 | 11,461 |
| 2011 | 1,120 | 8,808 | 14,761 | 6,658 | 418 | 0 | 31,765 | 0 | 0 | 2,093 | 4,804 | 6,711 | 0 | 13,608 |
| 2012[b/] | 4,465 | 20,685 | 10,156 | 14,650 | 4,834 | 10 | 54,790 | 1 | 101 | 2,700 | 18,790 | 15,869 | 0 | 37,461 |
| 2013[b/] | 11,929 | 19,087 | 9,240 | 7,593 | 2,126 | 11 | 49,975 | 0 | 7 | 7,707 | 35,836 | 4,164 | 0 | 47,714 |
| 2014[b/] | 12,585 | 16,989 | 20,606 | 8,721 | 2,687 | 0 | 61,588 | 0 | 15 | 10,397 | 39,210 | 6,275 | 0 | 55,897 |

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 |
| 2001-2005 | 23,805 | 22,244 | 20,961 | 16,283 | 4,254 | - | 87,547 | 2 | 3 | 10,192 | 23,075 | 13,484 | - | 46,757 |
| 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 | 7,301 | 10,204 | 4,204 | 3,409 | 136 | 25 | 25,254 | 0 | 0 | 39,931 | 49,547 | 3,928 | 15 | 93,406 |
| 2010 | 10,935 | 41,364 | 15,345 | 18,854 | 2,097 | 10 | 88,595 | 2 | 63 | 3,835 | 6,207 | 4,496 | 15 | 14,603 |
| 2011 | 10,331 | 20,066 | 20,891 | 9,429 | 786 | 0 | 61,503 | 0 | 0 | 3,958 | 5,868 | 7,299 | 0 | 17,125 |
| 2012[b/] | 16,128 | 38,109 | 15,744 | 21,197 | 8,911 | 10 | 100,089 | 1 | 101 | 3,508 | 19,943 | 17,801 | 0 | 41,354 |
| 2013[b/] | 22,950 | 31,997 | 17,234 | 16,596 | 3,249 | 11 | 92,026 | 0 | 7 | 9,666 | 39,950 | 4,559 | 0 | 54,182 |
| 2014[b/] | 45,621 | 20,834 | 31,580 | 14,857 | 3,597 | 0 | 116,489 | 0 | 15 | 16,265 | 47,652 | 15,106 | 0 | 79,038 |

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.S./Canada Border to Leadbetter Pt. - Non-Indian | | | | | | | |
| 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 | - | 135 |
| 2011 | 0 | 0 | 3 | 118 | 93 | 1 | 215 |
| 2013 | 2 | 0 | 101 | 37 | 1 | - | 141 |
| U.S./Canada Border to Leadbetter Pt. - Treaty Indian[c/] | | | | | | | |
| 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 | 0 | 6 | 713 | 331 | 16 | 0 | 1,066 |
| 2013[b/] | 0 | 0 | 103 | 120 | 0 | 0 | 223 |
| **U.S./Canada Border to Leadbetter Pt. - Total[c/]** | | | | | | | |
| 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 | 935 |
| 2011 | 0 | 6 | 716 | 449 | 109 | 1 | 1,281 |
| 2013[b/] | 2 | 0 | 204 | 157 | 1 | 0 | 364 |
| Leadbetter Pt. to Cape Falcon - Non-Indian | | | | | | | |
| 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 | - | 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 | 0 | 36 | 5 | 8 | 0 | - | 49 |
| 2013 | 0 | 0 | 0 | 0 | 0 | - | 0 |

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.S./Canada Border to Cape Falcon - Non-Indian** | | | | | | | |
| 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 | - | 153 |
| 2011 | 0 | 36 | 8 | 126 | 93 | 1 | 264 |
| 2013 | 2 | 0 | 101 | 37 | 1 | - | 141 |
| **U.S./Canada Border to Cape Falcon - Treaty Indian[c/]** | | | | | | | |
| 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 | 0 | 6 | 713 | 331 | 16 | 0 | 1,066 |
| 2013[b/] | 0 | 0 | 103 | 120 | 0 | 0 | 223 |
| **U.S./Canada Border to Cape Falcon - Total[c/]** | | | | | | | |
| 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 | 953 |
| 2011 | 0 | 42 | 721 | 457 | 109 | 1 | 1,330 |
| 2013[b/] | 2 | 0 | 204 | 157 | 1 | 0 | 364 |

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.S./Canada Border to Leadbetter Pt.[c/] | | | | | | | | |
| 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 |
| 2001-2005 | - | 2,496 | 5,660 | 29,924 | 24,054 | 6,828 | 132 | 65,964 |
| 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 | - | - | 5,537 | 17,334 | 21,178 | 4,787 | 16 | 48,852 |
| 2012 | - | - | 9,627 | 17,413 | 19,168 | 8,128 | 353 | 54,689 |
| 2013 | - | 951 | 8,973 | 16,010 | 23,946 | 5,400 | 237 | 55,518 |
| 2014[d/] | - | 1,643 | 10,331 | 28,529 | 24,393 | 10,089 | 365 | 75,349 |
| Leadbetter Pt. to Cape Falcon | | | | | | | | |
| 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 |
| 2001-2005 | - | 370 | 1,040 | 17,361 | 33,383 | 9,814 | 6 | 61,257 |
| 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 | - | - | 1,133 | 6,760 | 19,772 | 4,463 | - | 32,127 |
| 2012 | - | - | 1,355 | 7,150 | 17,081 | 3,997 | - | 29,582 |
| 2013 | - | - | 4,436 | 6,162 | 16,293 | 3,740 | - | 30,632 |
| 2014[d/] | - | 36 | 3,325 | 14,885 | 28,896 | 9,378 | - | 56,519 |
| **U.S./Canada Border to Cape Falcon[b/]** | | | | | | | | |
| 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 | - | 2,866 | 6,440 | 47,285 | 57,436 | 16,642 | 133 | 127,222 |
| 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 | - | - | 6,670 | 24,094 | 40,950 | 9,249 | 16 | 80,979 |
| 2012 | - | - | 10,982 | 24,563 | 36,249 | 12,125 | 353 | 84,271 |
| 2013 | - | 951 | 13,409 | 22,173 | 40,240 | 9,140 | 237 | 86,150 |
| 2014[d/] | - | 1,678 | 13,656 | 43,413 | 53,289 | 19,467 | 365 | 131,868 |

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.S./Canada Border to Leadbetter Pt.[b/] | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | - | - | 13,147 | 8,805 | 2,033 | 51 | 28,307 | - | - | - | 22,401 | 22,887 | 6,994 | 10 | 53,416 |
| 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 | - | - | 2,509 | 7,462 | 13,071 | 559 | 5 | 23,607 | - | - | 331 | 6,989 | 8,694 | 2,931 | 2 | 18,947 |
| 2012 | - | - | 8,472 | 8,020 | 8,325 | 1,366 | 133 | 26,315 | - | - | 211 | 7,240 | 7,521 | 6,722 | 21 | 21,715 |
| 2013 | - | 131 | 2,927 | 7,363 | 10,450 | 1,300 | 119 | 22,289 | - | - | 693 | 6,619 | 17,182 | 5,169 | 18 | 29,681 |
| 2014[c/] | - | 585 | 5,110 | 12,890 | 11,155 | 1,133 | 110 | 30,984 | - | - | 6,225 | 20,342 | 22,382 | 15,578 | 199 | 64,725 |
| Leadbetter Pt. to Cape Falcon | | | | | | | | | | | | | | | | |
| 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 |
| 2001-2005 | - | - | - | 2,588 | 5,500 | 1,068 | 3 | 9,648 | - | - | 663 | 25,195 | 43,314 | 10,042 | - | 78,949 |
| 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 | - | - | 481 | 955 | 5,371 | 408 | - | 7,215 | - | - | 467 | 6,085 | 16,810 | 3,319 | - | 26,680 |
| 2012 | - | - | 2,371 | 2,850 | 3,122 | 775 | - | 9,118 | - | - | 282 | 3,672 | 5,161 | 2,276 | - | 11,391 |
| 2013 | - | - | 2,031 | 1,679 | 4,076 | 760 | - | 8,547 | - | - | 3,430 | 4,998 | 10,305 | 1,739 | - | 20,472 |
| 2014[c/] | - | 44 | 1,087 | 3,194 | 6,412 | 606 | - | 11,343 | - | - | 2,615 | 19,867 | 38,542 | 14,053 | - | 75,077 |

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 |
| 2001-2005 | - | 2,640 | 5,295 | 15,735 | 14,305 | 3,100 | 51 | 37,955 | - | 5 | 1,900 | 47,596 | 66,201 | 17,036 | 10 | 132,365 |
| 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 | - | - | 2,990 | 8,418 | 18,442 | 968 | 5 | 30,822 | - | - | 798 | 13,074 | 25,504 | 6,249 | 2 | 45,628 |
| 2012 | - | - | 10,843 | 10,870 | 11,447 | 2,141 | 133 | 35,433 | - | - | 493 | 10,912 | 12,682 | 8,998 | 21 | 33,106 |
| 2013 | - | 131 | 4,957 | 9,042 | 14,526 | 2,061 | 119 | 30,836 | - | - | 4,123 | 11,617 | 27,488 | 6,908 | 18 | 50,153 |
| 2014[c/] | - | 629 | 6,197 | 16,084 | 17,567 | 1,739 | 110 | 42,327 | - | - | 8,840 | 40,209 | 60,924 | 29,630 | 199 | 139,802 |

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.

## APPENDIX B
## HISTORICAL RECORD OF ESCAPEMENTS TO INLAND FISHERIES AND SPAWNING AREAS

### LIST OF TABLES

TABLE B-1. Sacramento River fall Chinook salmon escapement in numbers of fish.[a/b/]

| Year or Average | Upper Sacramento Natural Areas[c/d/e/] | | Lower Sacramento Natural Areas[c/] | | | | | | Natural Area Totals[c/] | | Sacramento Hatcheries | | | | | | Hatchery Totals | | Sacramento Totals | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Feather River | | Yuba River | | American River | | | | Coleman | | Feather River | | Nimbus[f/] | | | | | |
| | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults[g/] | Jacks | Adults | Jacks |
| 1971-1975 | 58,462 | 18,289 | 40,221 | 9,745 | 10,877 | 1,615 | 41,726 | 3,695 | 151,286 | 33,345 | 1,373 | 1,167 | 3,882 | 1,387 | 7,791 | 1,311 | 13,661 | 4,065 | 164,947 | 37,410 |
| 1976-1980 | 67,011 | 17,905 | 33,954 | 3,544 | 7,387 | 1,563 | 28,509 | 1,344 | 136,862 | 24,357 | 4,239 | 1,292 | 4,261 | 1,043 | 7,845 | 2,270 | 17,804 | 5,040 | 154,666 | 29,397 |
| 1981-1985 | 57,913 | 22,432 | 36,252 | 5,243 | 12,825 | 5,146 | 32,332 | 4,954 | 139,322 | 37,775 | 11,557 | 3,734 | 6,845 | 884 | 10,543 | 2,444 | 30,303 | 7,877 | 169,625 | 45,651 |
| 1986-1990 | 87,396 | 17,244 | 38,709 | 6,426 | 9,261 | 2,444 | 24,420 | 3,323 | 159,787 | 29,437 | 11,507 | 2,288 | 5,837 | 1,947 | 6,927 | 1,943 | 24,271 | 6,178 | 184,057 | 35,616 |
| 1991-1995 | 60,151 | 11,496 | 32,578 | 4,355 | 8,309 | 2,131 | 28,549 | 4,151 | 129,587 | 22,134 | 11,948 | 2,295 | 10,537 | 2,762 | 7,669 | 1,664 | 30,154 | 6,721 | 159,741 | 28,855 |
| 1996 | 131,268 | 11,649 | 44,593 | 12,577 | 23,492 | 4,408 | 67,719 | 7,026 | 267,072 | 35,660 | 18,848 | 2,330 | 6,494 | 1,613 | 9,219 | 2,273 | 34,561 | 6,216 | 301,633 | 41,876 |
| 1997 | 167,353 | 13,736 | 47,009 | 3,538 | 19,202 | 6,746 | 46,036 | 6,159 | 279,600 | 30,179 | 44,590 | 6,080 | 13,358 | 1,770 | 7,293 | 2,435 | 65,241 | 10,285 | 344,841 | 40,464 |
| 1998 | 60,713 | 5,137 | 39,600[h/] | 3,400 | 26,737 | 4,353 | 41,094 | 13,698 | 168,144 | 26,588 | 42,400 | 1,951 | 17,567 | 1,322 | 17,797 | 3,979 | 77,763 | 7,253 | 245,907 | 33,841 |
| 1999 | 256,629 | 7,495 | 30,000[h/] | 7,500 | 18,778 | 5,452 | 48,311 | 8,688 | 353,718 | 29,135 | 23,194 | 3,776 | 12,822 | 1,104 | 10,095 | 5,543 | 46,112 | 10,422 | 399,830 | 39,557 |
| 2000 | 152,923 | 3,900 | 109,924 | 7,017 | 12,954 | 2,041 | 93,413 | 5,646 | 369,214 | 18,604 | 20,793 | 866 | 16,470 | 1,676 | 11,060 | 1,893 | 48,323 | 4,435 | 417,537 | 23,039 |
| 2001 | 179,198 | 11,853 | 169,588 | 9,114 | 21,567 | 1,825 | 167,062 | 13,553 | 537,415 | 36,345 | 23,710 | 988 | 24,001 | 871 | 11,649 | 4,547 | 59,360 | 6,406 | 596,775 | 42,751 |
| 2002 | 474,812[i/] | 11,259 | 93,766 | 11,397 | 18,406 | 4,796 | 95,711 | 10,635 | 682,695 | 38,087 | 61,895 | 4,029 | 17,516 | 2,991 | 7,762 | 8,146 | 87,173 | 15,166 | 769,868 | 53,253 |
| 2003 | 164,802 | 4,402 | 85,578 | 4,369 | 26,820 | 1,489 | 136,238 | 9,627 | 413,438 | 19,887 | 82,882 | 5,352 | 13,615 | 1,352 | 13,081 | 7,032 | 109,578 | 13,736 | 523,016 | 33,623 |
| 2004 | 70,548 | 7,220 | 48,580 | 5,591 | 9,260 | 5,208 | 75,090 | 13,774 | 203,478 | 31,793 | 52,145 | 17,027 | 15,769 | 5,535 | 15,493 | 21,390 | 83,407 | 43,952 | 286,885 | 75,745 |
| 2005 | 96,716 | 3,267 | 43,738 | 4,848 | 16,251 | 987 | 54,001 | 2,842 | 210,706 | 11,944 | 139,979 | 2,694 | 20,597 | 1,787 | 24,723 | 3,437 | 185,299 | 7,918 | 396,005 | 19,862 |
| 2006 | 89,933 | 2,874 | 75,545 | 1,869 | 7,891 | 230 | 21,755 | 1,145 | 195,124 | 6,118 | 56,819 | 1,013 | 13,400 | 634 | 9,687 | 681 | 79,906 | 2,328 | 275,030 | 8,446 |
| 2007 | 36,079 | 978 | 21,541 | 321 | 2,523 | 81 | 9,855 | 130 | 69,998 | 1,510 | 11,543 | 201 | 5,169 | 172 | 4,664 | 21 | 21,376 | 394 | 91,374 | 1,904 |
| 2008 | 36,274 | 2,074 | 5,703 | 236 | 3,084 | 424 | 1,791 | 154 | 46,852 | 2,888 | 10,181 | 458 | 5,031 | 323 | 3,300 | 453 | 18,512 | 1,234 | 65,364 | 4,122 |
| 2009 | 12,277 | 1,624 | 3,950 | 897 | 3,992 | 803 | 3,118 | 575 | 23,337 | 3,899 | 5,433 | 719 | 6,240 | 3,723 | 5,863 | 1,126 | 17,536 | 5,568 | 40,873 | 9,467 |
| 2010 | 25,682 | 6,872 | 40,981 | 3,933 | 12,074 | 1,023 | 5,831 | 1,742 | 84,568 | 13,570 | 8,666 | 8,572 | 17,215 | 2,757 | 13,821 | 2,389 | 39,702 | 13,718 | 124,270 | 27,288 |
| 2011 | 20,466 | 15,096 | 35,656 | 11,633 | 6,917 | 2,204 | 13,432 | 7,888 | 76,471 | 36,821 | 19,312 | 23,068 | 15,925 | 16,691 | 7,634 | 8,963 | 42,871 | 48,722 | 119,342 | 85,543 |
| 2012 | 67,190 | 7,125 | 57,507 | 6,142 | 6,009 | 1,722 | 32,459 | 2,441 | 163,165 | 17,430 | 77,318 | 8,198 | 33,628 | 8,533 | 11,318 | 1,862 | 122,264 | 18,593 | 285,429 | 36,023 |
| 2013 | 89,409 | 6,228 | 145,650 | 5,559 | 13,830 | 1,050 | 52,631 | 1,628 | 301,520 | 14,465 | 67,822 | 2,199 | 25,152 | 2,470 | 11,706 | 1,339 | 104,680 | 6,008 | 406,200 | 20,473 |
| 2014[j/] | 79,570 | 7,817 | 55,907 | 5,293 | 9,708 | 1,907 | 21,931 | 2,169 | 167,116 | 17,186 | 18,059 | 891 | 18,848 | 4,612 | 7,645 | 2,670 | 44,552 | 8,173 | 211,668 | 25,359 |
| GOALS | - | - | - | - | - | - | - | - | - | - | 12,000[k/] | - | 6,000[k/] | - | 4,000[k/] | - | 22,000[k/] | - | 122,000[l/] | - |

a/ In 2004, CDFW reviewed and updated 1971-2003 escapement estimates to reflect final project reports.

b/ Chinook spawning during the fall; may include spring run fish in some survey areas.

c/ Most natural area estimates based on carcass surveys with a jack length cut-off.

d/ 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.

e/ 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.

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

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

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

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

j/ Preliminary.

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

l/ Sacramento River fall Chinook $S_{MSY}$.

TABLE B-2. San Joaquin River fall Chinook salmon escapement in numbers of fish.[a/]

| Year or Average | San Joaquin Natural Areas[b/] | | | | | | | | | | | | San Joaquin Hatcheries | | | | | | San Joaquin Totals | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mokelumne River | | Stanislaus River | | Tuolumne River | | Merced River | | Other Tributaries[c/] | | Totals | | Mokelumne River | | Merced River | | Totals | | | |
| | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks | Adults | Jacks |
| 1971-1975 | 1,752 | 231 | 3,852 | 369 | 5,786 | 559 | 1,647 | 248 | 782 | 20 | 13,820 | 1,411 | 305 | 156 | 460 | 19 | 765 | 175 | 14,585 | 1,586 |
| 1976-1980 | 733 | 246 | 144 | 28 | 835 | 204 | 1,103 | 266 | 71 | 19 | 2,886 | 763 | 271 | 59 | 346 | 23 | 617 | 82 | 3,503 | 846 |
| 1981-1985 | 7,346 | 394 | 4,649 | 633 | 12,902 | 5,143 | 9,749 | 4,551 | 284 | 0 | 34,930 | 10,721 | 759 | 734 | 797 | 449 | 1,556 | 1,183 | 36,486 | 11,904 |
| 1986-1990 | 1,294 | 162 | 4,174 | 824 | 2,951 | 2,910 | 2,414 | 480 | 20 | 0 | 10,853 | 4,377 | 278 | 286 | 299 | 140 | 577 | 426 | 11,430 | 4,803 |
| 1991-1995 | 865 | 281 | 472 | 123 | 264 | 139 | 1,026 | 360 | 0 | 0 | 2,626 | 904 | 1,077 | 554 | 239 | 233 | 1,316 | 788 | 3,943 | 1,691 |
| 1996 | 2,276 | 1,648 | 69 | 99 | 1,400 | 2,962 | 2,021 | 1,270 | 0 | 0 | 5,766 | 5,979 | 1,828 | 2,055 | 395 | 746 | 2,223 | 2,801 | 7,989 | 8,780 |
| 1997 | 3,423 | 258 | 5,225 | 363 | 6,689 | 457 | 2,646 | 68 | 0 | 0 | 17,983 | 1,146 | 6,305 | 189 | 838 | 108 | 7,143 | 297 | 25,126 | 1,443 |
| 1998 | 3,154 | 788 | 1,892 | 1,195 | 5,809 | 3,101 | 2,120 | 1,172 | 0 | 0 | 12,975 | 6,256 | 2,686 | 585 | 347 | 452 | 3,033 | 1,037 | 16,007 | 7,294 |
| 1999 | 1,243 | 937 | 2,479 | 1,870 | 4,898 | 3,334 | 2,087 | 1,042 | 0 | 0 | 10,707 | 7,183 | 1,611 | 1,542 | 650 | 987 | 2,261 | 2,529 | 12,967 | 9,713 |
| 2000 | 1,576 | 323 | 8,014 | 484 | 16,926 | 947 | 10,318 | 812 | 0 | 0 | 36,834 | 2,566 | 4,637 | 887 | 1,615 | 331 | 6,252 | 1,218 | 43,086 | 3,784 |
| 2001 | 1,755 | 467 | 6,140 | 719 | 7,852 | 1,369 | 8,084 | 1,133 | 0 | 0 | 23,831 | 3,688 | 4,467 | 1,427 | 1,137 | 523 | 5,604 | 1,950 | 29,435 | 5,638 |
| 2002 | 2,244 | 596 | 5,848 | 952 | 6,192 | 1,008 | 7,568 | 1,232 | 0 | 0 | 21,852 | 3,788 | 5,800 | 2,119 | 1,250 | 588 | 7,050 | 2,707 | 28,902 | 6,495 |
| 2003 | 1,571 | 552 | 6,707 | 889 | 2,620 | 234 | 3,621 | 489 | 0 | 0 | 14,519 | 2,164 | 5,108 | 3,009 | 392 | 157 | 5,500 | 3,166 | 20,019 | 5,330 |
| 2004 | 1,175 | 413 | 2,848 | 1,220 | 1,029 | 605 | 2,197 | 1,073 | 0 | 0 | 7,250 | 3,310 | 5,477 | 4,879 | 456 | 594 | 5,933 | 5,473 | 13,183 | 8,783 |
| 2005 | 9,574 | 832 | 2,984 | 332 | 647 | 72 | 1,900 | 211 | 738 | 130 | 15,843 | 1,577 | 5,035 | 528 | 346 | 75 | 5,381 | 603 | 21,224 | 2,180 |
| 2006 | 1,555 | 177 | 1,718 | 205 | 457 | 105 | 1,262 | 167 | 630 | 15 | 5,622 | 669 | 2,801 | 1,338 | 130 | 20 | 2,931 | 1,358 | 8,553 | 2,027 |
| 2007 | 461 | 9 | 368 | 75 | 193 | 31 | 446 | 49 | 53 | 0 | 1,521 | 164 | 1,004 | 40 | 70 | 9 | 1,074 | 49 | 2,595 | 213 |
| 2008 | 83 | 90 | 1,253 | 139 | 358 | 14 | 316 | 73 | 0 | 0 | 2,010 | 316 | 116 | 123 | 39 | 37 | 155 | 160 | 2,165 | 476 |
| 2009 | 320 | 360 | 554 | 194 | 130 | 70 | 390 | 64 | 0 | 0 | 1,394 | 688 | 730 | 823 | 109 | 137 | 839 | 960 | 2,233 | 1,648 |
| 2010 | 1,640 | 280 | 793 | 293 | 329 | 211 | 501 | 150 | 740 | 0 | 4,003 | 934 | 3,543 | 1,733 | 115 | 31 | 3,658 | 1,764 | 7,661 | 2,698 |
| 2011 | 705 | 1,962 | 433 | 630 | 231 | 647 | 640 | 975 | 518 | 0 | 2,527 | 4,214 | 2,409 | 13,513 | 99 | 338 | 2,508 | 13,851 | 5,035 | 18,065 |
| 2012 | 3,836 | 1,635 | 3,550 | 456 | 485 | 298 | 1,947 | 310 | 1,034 | 149 | 10,852 | 2,848 | 4,430 | 2,190 | 628 | 372 | 5,058 | 2,562 | 15,910 | 5,410 |
| 2013 | 5,806 | 1,265 | 2,562 | 283 | 1,798 | 128 | 2,673 | 153 | 0 | 0 | 12,839 | 1,829 | 3,698 | 1,483 | 918 | 180 | 4,616 | 1,663 | 17,455 | 3,492 |
| 2014[d/] | 2,044 | 1,288 | 1,832 | 1,228 | 292 | 146 | 661 | 261 | 401 | 0 | 5,230 | 2,923 | 4,408 | 4,403 | 228 | 583 | 4,636 | 4,986 | 9,866 | 7,909 |
| GOALS[e/] | - | - | - | - | - | - | - | - | - | - | - | - | 5,000 | - | 1,000 | - | 6,000 | - | - | - |

a/ In 2004, CDFW reviewed and updated 1971-2003 escapement estimates to reflect final project reports.

b/ Most natural area estimates based on carcass surveys with a jack length cut-off.

c/ Other San Joaquin tributary escapement includes Cosumnes and Calaveras Rivers when surveys were conducted. In a small number of years a survey was not conducted.

d/ Preliminary.

e/ 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 | | | | |
| | | | 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 | Jacks |
| 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 |
| 1996-2000 | 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 | l/ | l/ | 4,363 | 53 | 3,517 [j/] | l/ | l/ | 867 [k/] | 122 [k/] |
| 2010 | 8,894 | 1,001 | l/ | l/ | 1,555 | 41 | 2,951 [j/] | l/ | l/ | 1,655 [k/] | 6 [k/] |
| 2011 | 7,129 | 1,161 | l/ | l/ | 637 | 187 | 5,547 [j/] | l/ | l/ | 1,831 [k/] | 138 [k/] |
| 2012 | 5,153 | 909 | m/ | m/ | 2,527 | 144 | 18,694 [j/] | m/ | m/ | 3,510 [k/] | 228 [k/] |
| 2013 | 8,355 | 642 | m/ | m/ | 5,623 [n/] | 462 | 18,507 [j/] | m/ | m/ | 4,247 [k/] | 44 [k/] |
| 2014[o/] | 11,667 | 1,383 | m/ | m/ | 2,688 | 327 | 6,895 [j/] | m/ | m/ | 2,603 [k/] | 222 [k/] |

a/ Jacks and adults based on sampling at Red Bluff Diversion Dam (RBDD) from unpublished CDFW data. Beginning in 1987 for late-fall and winter run, estimates 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/ Estimates of late-fall and winter run includes Chinook trapped at Keswick Dam for use as broodstock 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, the 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 spawners at Coleman Hatchery 1991-97. No data available for natural spawners, RBDD gates were raised during 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 in 2005. Fish arriving prior to the spring Chinook spawning period were tagged and returned to the river. Spring Chinook escapement estimate is the number of these tagged fish that subsequently returned during the spring Chinook spawning period.

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

m/ RBDD gates were permanently removed on September 1, 2012; thus RBDD winter and spring run estimates are no longer available.

n/ Includes 47 adults that were transferred from the Colusa Basin Drain to Livingston Stone Hatchery for use as broodstock.

o/ Preliminary.

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 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Klamath River | | | Trinity River | | | Total | | |
| | | | Indian | Sport | 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 | 1,974 | 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 | 7,798 | 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 | 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 | Adults | 101,977 | 26,353 | 4,147 | 30,500 | 2,377 | 8,490 | 17,973 | 26,463 | 13,847 | 28,790 | 42,637 | 22,337 | 46,763 | 69,100 |
| | Jacks | 84,895 | 1,322 | 9,981 | 11,303 | 319 | 9,549 | 24,746 | 34,295 | 1,875 | 37,103 | 38,978 | 11,424 | 61,849 | 73,273 |
| 2012 | Adults | 295,322 | 95,386 | 13,876 | 109,262 | 8,578 | 38,478 | 72,786 | 111,264 | 17,461 | 48,757 | 66,218 | 55,939 | 121,543 | 177,482 |
| | Jacks | 21,433 | 177 | 3,875 | 4,052 | 94 | 1,537 | 8,289 | 9,826 | 92 | 7,369 | 7,461 | 1,629 | 15,658 | 17,287 |
| 2013 | Adults | 165,025 | 63,036 | 19,800 | 82,836 | 5,885 | 13,431 | 31,711 | 45,142 | 3,717 | 27,445 | 31,162 | 17,148 | 59,156 | 76,304 |
| | Jacks | 14,356 | 259 | 2,260 | 2,519 | 69 | 1,323 | 3,274 | 4,597 | 135 | 7,036 | 7,171 | 1,458 | 10,310 | 11,768 |
| 2014[b/] | Adults | 160,444 [c/] | 25,913 | 5,277 | 31,190 | 2,361 | 24,300 | 70,709 | 95,009 | 6,975 | 24,621 | 31,596 | 31,276 | 95,330 | 126,606 |
| | Jacks | 22,348 [c/] | 348 | 3,361 | 3,709 | 99 | 1,039 | 10,520 | 11,559 | 221 | 6,749 | 6,970 | 1,259 | 17,269 | 18,528 |
| GOAL | Adults | | | | | | | | | | | | | ≥40,700[d/] | |

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

b/ Preliminary.

c/ Total inriver run includes 299 fish (adults and jacks) collected from the Klamath River by the Yurok Tribe to test for the presence of the parasite *Ichthyophthirius multifiliis* .

d/ 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 |
| 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 | Commercial:Estuary | 1 | 32 | 33 | 373 | 14,963 | 15,336 |
| | Middle Klamath | 0 | 0 | 0 | 28 | 255 | 283 |
| | Subsistence:Estuary | 8 | 402 | 410 | 60 | 2,404 | 2,464 |
| | Middle Klamath | 12 | 1,242 | 1,254 | 238 | 2,177 | 2,415 |
| | Upper Klamath | 9 | 909 | 918 | 227 | 2,070 | 2,297 |
| | Trinity River | 108 | 2,282 | 2,390 | 426 | 4,863 | 5,289 |
| | Total | 137 | 4,867 | 5,005 | 1,351 | 26,733 | 28,084 |
| 2012 | Commercial:Estuary | 0 | 856 | 856 | 0 | 82,724 | 82,724 |
| | Middle Klamath | 0 | 0 | 0 | 0 | 156 | 156 |
| | Subsistence:Estuary | 22 | 905 | 927 | 72 | 10,792 | 10,864 |
| | Middle Klamath | 3 | 908 | 911 | 29 | 1,719 | 1,748 |
| | Upper Klamath | 10 | 1,104 | 1,114 | 30 | 1,940 | 1,970 |
| | Trinity River | 21 | 2,647 | 2,668 | 55 | 4,145 | 4,200 |
| | Total | 56 | 6,421 | 6,477 | 186 | 101,476 | 101,662 |
| 2013 | Commercial:Estuary | 0 | 962 | 962 | 0 | 52,046 | 52,046 |
| | Middle Klamath | 0 | 9 | 9 | 0 | 64 | 64 |
| | Subsistence:Estuary | 7 | 2,327 | 2,334 | 205 | 5,458 | 5,663 |
| | Middle Klamath | 0 | 110 | 110 | 13 | 843 | 856 |
| | Upper Klamath | 0 | 336 | 336 | 25 | 1,606 | 1,631 |
| | Trinity River | 19 | 1,202 | 1,221 | 16 | 3,019 | 3,035 |
| | Total | 26 | 4,946 | 4,972 | 259 | 63,036 | 63,295 |
| 2014[b/] | Commercial:Estuary | 0 | 0 | 0 | 0 | 11,431 | 11,431 |
| | Middle Klamath | 0 | 0 | 0 | 0 | 401 | 401 |
| | Subsistence:Estuary | 7 | 2,438 | 2,445 | 153 | 8,608 | 8,761 |
| | Middle Klamath | 0 | 64 | 64 | 10 | 1,608 | 1,618 |
| | Upper Klamath | 9 | 642 | 651 | 120 | 1,425 | 1,545 |
| | Trinity River | 85 | 1,733 | 1,818 | 65 | 2,440 | 2,504 |
| | Total | 101 | 4,877 | 4,978 | 348 | 25,913 | 26,260 |

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.

| | Shasta River[a/] | | Scott River[b/] | | Salmon River[c/] | |
|---|---|---|---|---|---|---|
| Year | 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 | 1,259 | 87 | 2,114 | 394 | 2,478 | 356 |
| 2011 | 213 | 11,175 | 3,019 | 2,502 | 3,674 | 1,819 |
| 2012 | 27,600 | 1,944 | 7,569 | 1,783 | 3,561 | 829 |
| 2013 | 6,925 | 1,096 | 4,036 | 588 | 2,240 | 240 |
| 2014[h/] | 14,412 | 3,945 | 10,419 | 2,051 | 2,706 | 527 |

a/ 1930-1937, 1957-1987 and 1991-present, Shasta River weir counts were made near the river mouth. 1938-1955, weir counts were made 6.5 miles upstream from the mouth; considerable spawning occurred downstream from the weir in these years. In 1956, there were no weir counts conducted. 1988-1990, escapements were estimated from mark-recapture data (spawning surveys).

b/ 1991, estimates were from weir counts. 1992-2007, estimates were from carcass surveys. 2008-2013, estimates were from a combination of video weir counts and carcass surveys. 2014, estimates were from a combination of video weir counts, carcass surveys, and redd counts.

c/ 1991, estimates were from weir counts. 1992-2004 and 2006, estimates were from carcass surveys. 2005 and 2007-2010, estimates were generated from redd counts. 2011-present, estimates were from a combination of carcass surveys and redd counts.

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.

| | 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 |
|---|---|---|---|---|---|---|---|
| Year | 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/] | 108 | 1 | 60 | 221 | 101 | 3,119 | 130 |
| 2012-2013[i/] | 77 | 1 | 280 | 29 | 226 | 6,697 | 239 |
| 2013-2014[i/j/] | 11 | 10 | 16 | 130 | 6 | 3,155 | 203 |
| 2014-2015[i/k/] | 155 | 5 | 157 | 10 | 81 | 1,333[l/] | 103 |

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 may be 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 fish unidentifiable to species due to poor visibility or advanced decomposition.

j/ Extremely low flows created passage barriers that precluded or severely limited salmon access to surveyed tributaries.

k/ Preliminary data.

l/ Minimum count that is not comparable to other years. Mirabel Dam video counts were unavailable due to construction of a new counting facility. The number recorded is the sum of counts made at two facilities upstream of Mirabel Dam.

TABLE B-8. Peak spawning counts in index areas for selected south/local migrating Oregon coastal fall Chinook stocks.

| | 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) | |
|---|---|---|---|---|---|---|---|---|
| Year or Avg. | 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 | 11 [a/] | 2 [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 | 12 | 2 | 49 | 6 | 17 | 3 | 35 | 5 |
| 2012 | 8 | 2 | 72 | 11 | 5 | 2 | 39 | 7 |
| 2013 | 10 | 5 | 38 | 11 | 3 | 1 | 23 | 8 |
| 2014[b/] | 11 | 2 | 48 | 9 | 12 | 3 | 32 | 6 |

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.

| | Gold Ray Dam, Rogue River[a/] | | | | Winchester Dam, Umpqua River[a/] | | | |
|---|---|---|---|---|---|---|---|---|
| Year or Avg. | Natural[b/] | Hatchery | Total | Jacks[c/] | Natural | Hatchery | Total | Jacks[c/] |
| 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 | 9.9 | NA | NA | NA | 8.9 | 7.7 | 16.6 | 5.4 |
| 2012 | 14.4 | NA | NA | NA | 8.2 | 8.4 | 16.7 | 3.6 |
| 2013 | 12.1 | NA | NA | NA | 7.2 | 7.9 | 15.2 | 2.6 |
| 2014[d/] | 5.6 | NA | NA | NA | 4.6 | 5.4 | 10.1 | 4.5 |

a/ Jacks included in natural, hatchery, and total counts.

b/ 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.

c/ Jacks include all Chinook less than 20 inches prior to 1978 and all Chinook less than 24 inches beginning in 1978.

d/ Preliminary.

TABLE B-10. Rogue River fall Chinook carcass counts and Huntley Park passage of naturally produced fish.

| | Carcass Counts[a/] | | | Huntley Park Passage | | |
|---|---|---|---|---|---|---|
| Year or Avg. | Adults | Jacks | Total | Adults | Jacks | Total |
| 1977-1980 | 5,256 | 1,004 | 6,259 | 99,881 | 30,425 | 130,307 |
| 1981-1985 | 3,906 | 1,009 | 4,915 | 55,907 | 25,683 | 81,590 |
| 1986-1990 | 16,797 | 1,527 | 18,324 | 84,435 | 29,553 | 113,988 |
| 1990-1995 | 4,387 | 316 | 4,703 | 45,489 | 15,499 | 60,988 |
| 1996 | 2,448 | 121 | 2,569 | 48,763 | 15,682 | 64,445 |
| 1997 | 1,643 | 68 | 1,711 | 41,072 | 17,788 | 58,860 |
| 1998 | 3,601 | 40 | 3,641 | 40,939 | 6,793 | 47,732 |
| 1999 | 2,493 | 157 | 2,650 | 37,587 | 18,763 | 56,350 |
| 2000 | 3,366 | 226 | 3,592 | 87,783 | 12,918 | 100,701 |
| 2001 | 6,380 | 772 | 7,152 | 76,376 | 26,650 | 103,026 |
| 2002 | 11,836 | 905 | 12,741 | 154,143 | 42,806 | 196,948 |
| 2003 | 14,620 | 983 | 15,603 | 204,793 | 19,347 | 224,139 |
| 2004 | 5,326 [b/] | 250 | 5,576 | 132,296 | 19,785 | 152,081 |
| 2005 | - | - | - | 56,474 | 4,849 | 61,323 |
| 2006 | - | - | - | 35,075 | 6,770 | 41,845 |
| 2007 | - | - | - | 43,493 | 3,284 | 46,778 |
| 2008 | - | - | - | 24,309 | 15,186 | 39,495 |
| 2009 | - | - | - | 60,223 | 13,660 | 73,883 |
| 2010 | - | - | - | 49,390 | 14,459 | 63,849 |
| 2011 | - | - | - | 67,750 | 30,125 | 97,875 |
| 2012 | - | - | - | 69,060 | 10,400 | 79,460 |
| 2013 | - | - | - | 81,655 | 23,027 | 104,682 |
| 2014[c/] | - | - | - | 53,518 | 11,895 | 65,414 |

a/ Surveys were discontinued in 2005.

b/ 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.

c/ Preliminary.

.

TABLE B-11. Peak counts for north migrating Oregon coastal Chinook stocks on selected fall Chinook spawning index stream surveys.

| | River Tributaries | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year or Average | 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 |
| 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 | 164 | 5 | 96 | 4 | 15 | 1 | 29 | 0 | a/ | a/ | 46 | 2 | 329 | 21 | 53 | 1 | a/ | a/ | 109 | 5 |
| 2012 | 144 | 3 | 38 | 2 | 34 | 0 | 57 | 3 | a/ | a/ | 56 | 4 | 611 | 17 | 38 | 1 | a/ | a/ | 146 | 4 |
| 2013 | 384 | 10 | 89 | 2 | 78 | 3 | 47 | 2 | 166 | 9 | 41 | 3 | 625 | 6 | 156 | 20 | a/ | a/ | 189 | 7 |
| 2014[b/] | 176 | 2 | 55 | 0 | 49 | 2 | 109 | 1 | 216 | 40 | 60 | 7 | 556 | 21 | 92 | 6 | a/ | a/ | 156 | 9 |

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 | Lower River Catch[a/] | | Tributary Runs | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Willamette | | | | | | | |
| | | Commercial | Sport | Run Size | L. Willamette Sport Catch | Will. Falls Escapement[b/] | Sandy | Cowlitz[c/] | Lewis[c/] | Kalama | Hatchery Escapement[d/] |
| 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 | 2,300 | 66,039 | 18,180 | 32,580 | 4,920 | 6,801 | 5,870 | 1,976 | 23,700 |
| 1996 | 54,241 | 149 | 0 | 33,358 | 6,100 | 20,400 | 3,801 | 1,787 | 1,730 | 627 | 15,900 |
| 1997 | 53,345 | 300 | 0 | 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 | 0 | 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 | 149,981 | 7,900 | 5,800 | 120,164 | 10,800 | 83,100 | 5,905 | 5,215 | 3,514 | 2,932 | 58,300 |
| 2003 | 163,300 | 1,900 | 8,200 | 123,352 | 13,500 | 87,600 | 5,615 | 15,954 | 5,040 | 4,556 | 45,626 |
| 2004 | 195,837 | 8,500 | 7,500 | 143,242 | 12,000 | 95,200 | 12,680 | 16,511 | 7,475 | 4,286 | 67,791 |
| 2005 | 85,971 | 3,400 | 4,400 | 59,495 | 5,800 | 35,453 | 7,668 | 9,379 | 3,512 | 3,367 | 33,102 |
| 2006 | 90,992 | 3,000 | 2,900 | 59,311 | 7,200 | 36,851 | 4,382 | 6,963 | 7,301 | 5,458 | 34,428 |
| 2007 | 69,259 | 1,900 | 2,600 | 39,943 | 5,700 | 22,818 | 2,813 | 3,975 | 7,596 | 8,030 | 29,375 |
| 2008 | 44,185 | 100 | 700 | 27,016 | 4,600 | 14,151 | 5,852 | 2,986 | 2,215 | 1,623 | 15,757 |
| 2009 | 53,624 | 349 | 2,000 | 39,400 | 4,500 | 25,795 | 2,375 | 5,977 | 1,493 | 404 | 18,805 |
| 2010 | 156,016 | 3,349 | 6,200 | 110,500 | 22,700 | 65,293 | 7,516 | 8,830 | 2,337 | 918 | 48,591 |
| 2011 | 105,346 | 2,349 | 2,500 | 80,254 | 22,800 | 43,748 | 5,421 | 5,834 | 1,311 | 778 | 31,030 |
| 2012 | 96,265 | 2,349 | 3,700 | 65,115 | 15,800 | 35,899 | 5,337 | 12,617 | 1,839 | 862 | 32,106 |
| 2013 | 148,051 | 1,800 | 1,798 | 123,136 | 7,400 | 27,897 | 5,750 | 9,536 | 1,597 | 1,014 | 26,892 |
| 2014[e/] | 263,668 | 1,300 | 2,700 | 242,577 | 7,900 | 30,071 | 5,971 | 10,461 | 1,482 | 1,013 | 27,783 |

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 | 925 | 1,024 | 2,545 | 7,508 | 10,787 | 4,853 | 3,217 | 11,599 |
| 1986-1990 | 108,167 | 2,378 | 1,356 | 104,433 | 3,366 | 186 | 6,771 | 19,648 | 10,192 | 5,928 | 3,042 | 19,384 |
| 1991-1995 | 63,404 | 511 | 710 | 62,183 | 1,227 | 15 | 3,730 | 7,097 | 7,015 | 5,750 | 1,422 | 11,429 |
| 1996 | 55,552 | 46 | 10 | 55,496 | 40 | 0 | 2,911 | 3,179 | 3,806 | 1,751 | 353 | 5,079 |
| 1997 | 124,321 | 53 | 16 | 124,252 | 7,387 | 14 | 8,309 | 39,509 | 5,215 | 4,809 | 696 | 27,245 |
| 1998 | 44,308 | 27 | 14 | 44,267 | 1,679 | 1 | 2,224 | 6,928 | 7,366 | 2,473 | 343 | 8,537 |
| 1999 | 43,067 | 28 | 16 | 43,023 | 211 | 1 | 1,983 | 3,703 | 2,856 | 3,161 | 297 | 5,721 |
| 2000 | 186,715 | 251 | 124 | 186,340 | 11,497 | 1,379 | 9,973 | 29,568 | 8,255 | 12,783 | 829 | 21,418 |
| 2001 | 440,336 | 2,538 | 22,719 | 415,079 | 57,745 | 43,790 | 10,985 | 141,121 | 45,337 | 31,329 | 4,315 | 49,991 |
| 2002 | 335,214 | 10,151 | 16,268 | 308,795 | 28,452 | 24,257 | 9,208 | 67,312 | 30,248 | 18,706 | 1,658 | 33,809 |
| 2003 | 242,605 | 3,493 | 9,611 | 229,501 | 23,532 | 9,205 | 9,090 | 54,951 | 32,365 | 11,677 | 1,184 | 24,526 |
| 2004 | 221,675 | 6,233 | 17,146 | 198,296 | 25,349 | 8,370 | 9,114 | 58,624 | 21,401 | 9,566 | 1,689 | 26,694 |
| 2005 | 106,911 | 2,289 | 7,235 | 97,387 | 7,017 | 1 | 6,163 | 22,932 | 10,127 | 13,342 | 2,786 | 19,547 |
| 2006 | 132,583 | 2,238 | 4,187 | 126,158 | 5,133 | 0 | 8,401 | 20,248 | 9,483 | 10,425 | 1,089 | 16,894 |
| 2007 | 86,247 | 1,491 | 3,927 | 80,829 | 6,742 | 3 | 5,624 | 23,308 | 7,100 | 10,296 | 877 | 15,759 |
| 2008 | 178,629 | 6,292 | 19,612 | 151,895 | 22,084 | 12,314 | 9,077 | 55,587 | 17,587 | 19,372 | 1,087 | 35,284 |
| 2009 | 169,296 | 4,543 | 15,246 | 147,489 | 18,678 | 0 | 13,101 | 49,836 | 14,957 | 16,428 | 1,666 | 30,392 |
| 2010 | 315,345 | 9,281 | 23,535 | 277,389 | 43,631 | 25,008 | 17,946 | 97,770 | 26,643 | 22,529 | 2,071 | 52,242 |
| 2011 | 221,158 | 3,930 | 9,506 | 205,431 | 28,358 | 4,324 | 15,526 | 72,262 | 24,562 | 15,400 | 3,055 | 29,540 |
| 2012 | 203,090 | 4,821 | 10,422 | 186,448 | 24,917 | 7,428 | 16,881 | 54,701 | 25,681 | 11,573 | 3,294 | 23,354 |
| 2013 | 123,136 | 1,852 | 5,342 | 112,934 | 8,138 | 2,100 | 9,282 | 29,538 | 14,588 | 7,906 | 1,637 | 15,776 |
| 2014[g/] | 242,577 | 4,040 | 13,572 | 224,946 | 28,311 | 32,364 | 10,896 | 62,627 | 32,124 | 12,135 | 2,511 | 25,489 |
| GOAL | | | | 115,000 | | | | 35,000[h/] | 25,000[h/] | | | |

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/ Includes below Bonneville Dam C&S starting in 2008.

e/ 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.

f/ 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.

g/ Preliminary.

h/ 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.

| | | Lower River Catch[b/] | | | | Mainstem Treaty Indian Catch | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year or Avg. | Inriver Run Size | Commercial[c/] | Sport | Bonneville Dam Count | Zone 6 Sport | Commercial[d/] | Ceremonial/ Subsistence | Rock Island Dam Count | Rec. Catch Upstream of McNary Dam | Tribal Harvest upstream of McNary Dam |
| 1976-1980 | 22,320 | 81 | - | 22,239 | - | 38 | 1,047 | 16,326 | 0 | 0 |
| 1981-1985 | 16,709 | 55 | - | 16,654 | - | 304 | 669 | 10,010 | 0 | 0 |
| 1986-1990 | 21,036 | 71 | 8 | 20,957 | - | 708 | 194 | 14,563 | 0 | 0 |
| 1991-1995 | 12,984 | 30 | 15 | 12,939 | - | - | 227 | 10,748 | 0 | 0 |
| 1996 | 12,080 | 15 | 34 | 12,031 | 0 | 0 | 374 | 9,417 | 0 | 0 |
| 1997 | 17,709 | 6 | 16 | 17,687 | 0 | 0 | 270 | 10,063 | 0 | 0 |
| 1998 | 15,536 | 1 | 27 | 15,508 | 0 | 0 | 335 | 11,225 | 0 | 0 |
| 1999 | 21,867 | 1 | 51 | 21,815 | 0 | 0 | 395 | 18,588 | 0 | 0 |
| 2000 | 22,595 | 0 | 17 | 22,578 | 0 | 0 | 209 | 20,218 | 1,092 | 481 |
| 2001 | 52,960 | 1 | 64 | 52,895 | 0 | 150 | 542 | 48,844 | 4,380 | 2,428 |
| 2002 | 89,524 | 8 | 1,447 | 88,069 | 113 | 74 | 2,019 | 86,825 | 4,571 | 2,917 |
| 2003 | 83,058 | 36 | 1,945 | 81,077 | 417 | 3,587 | 710 | 81,543 | 5,227 | 2,401 |
| 2004 | 65,623 | 222 | 1,246 | 64,155 | 261 | 8,004 | 390 | 62,311 | 5,874 | 2,031 |
| 2005 | 60,272 | 2,787 | 1,621 | 55,864 | 487 | 6,415 | 1,227 | 54,033 | 2,192 | 1,232 |
| 2006 | 77,573 | 4,828 | 4,926 | 67,819 | 346 | 15,771 | 548 | 61,821 | 3,893 | 1,556 |
| 2007 | 37,035 | 1,122 | 2,214 | 33,699 | 194 | 4,564 | 811 | 28,222 | 3,922 | 1,364 |
| 2008 | 55,532 | 1,429 | 2,140 | 51,963 | 942 | 8,317 | 712 | 38,171 | 2,652 | 2,049 |
| 2009 | 53,881 | 2,546 | 2,341 | 48,994 | 175 | 10,441 | 1,209 | 44,295 | 2,548 | 1,186 |
| 2010 | 72,346 | 4,740 | 2,738 | 64,638 | 435 | 15,569 | 0[e/] | 47,220 | 2,932 | 3,379 |
| 2011 | 80,574 | 5,004 | 5,576 | 69,994 | 369 | 20,645 | 0[e/] | 44,432 | 5,636 | 1,178 |
| 2012 | 58,300 | 1,715 | 3,281 | 53,304 | 231 | 7,824 | 0[e/] | 52,184 | 4,045 | 3,258 |
| 2013 | 67,603 | 1,987 | 2,058 | 63,508 | 10 | 13,272 | 125[e/] | 68,380 | 2,902 | 3,456 |
| 2014[f/] | 78,304 | 2,838 | 2,385 | 72,871 | 465 | 19,179 | 210[e/] | 77,982 | 2,969 | 3,772 |
| 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 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-and-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/]

| | | | Harvest | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Non-Indian | | Escapement | |
| Year or Average | Inriver Run Size | Bonneville Dam Count | Treaty Indian Commercial and Subsistence | Commercial[b/] | Sport | Natural | Hatchery[c/] |
| 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 | 114,666 | 58,824 | 11,236 | 3,299 | 4,843 | 45,279 |
| 2011 | 70,578 | 53,655 | 28,801 | 12,678 | 1,242 | 10,283 | 17,092 |
| 2012 | 56,766 | 44,076 | 14,223 | 7,997 | 3,191 | 5,063 | 26,255 |
| 2013 | 86,573 | 62,525 | 29,746 | 15,823 | 3,066 | 10,074 | 16,307 |
| 2014[d/] | 98,800 | 81,030 | 54,370 | 14,270 | 3,500 | 6,750 | 19,910 |
| 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/]

| | | Harvest | | | | |
|---|---|---|---|---|---|---|
| | | Treaty Indian Commercial and | Non-Indian | | Escapement | |
| Year or Average | Inriver Run Size | Subsistence | Commercial[b/] | Sport[c/] | Natural | Hatchery[d/] |
| 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 | 108,961 | 223 | 15,417 | 17,248 | 28,334 | 47,735 |
| 2012 | 84,797 | 457 | 14,996 | 17,481 | 21,556 | 30,303 |
| 2013 | 103,214 | 574 | 10,578 | 17,857 | 40,411 | 33,662 |
| 2014[e/] | 113,930 | 0 | 11,750 | 18,170 | 42,790 | 41,220 |
| 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/]

| | | Harvest | | | | |
|---|---|---|---|---|---|---|
| | | Treaty Indian Commercial and | Non-Indian | | Escapement | |
| Year or Average | Inriver Run Size | Subsistence | Commercial | Sport[b/] | Natural | Hatchery |
| 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 | 15,180 | 0 | 674 | 3,636 | 10,601 | 269 |
| 2012 | 13,926 | 0 | 3,591 | 869 | 9,407 | 59 |
| 2013 | 25,841 | 0 | 2,095 | 5,071 | 18,675 | 0 |
| 2014[c/] | 33,400 | 0 | 1,130 | 5,950 | 26,320 | 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/]

| | | | Harvest | | | Escapement | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year or Average | Inriver Run Size | Bonneville Dam Count | Treaty Indian Commercial and Subsistence | Non-Indian Commercial | Non-Indian Sport[b/] | Natural Esc.[c/] | Upper Columbia Esc.[d/] | Hatchery | Deschutes above/below Sheares Falls[e/] | McNary Dam Count | Ice Harbor Dam Count | Total Lower Granite Count | SRW L. Granite Dam Count[f/] |
| 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 | 13,297 | 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 | 14,936 | 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 | 10,955 | 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 | 6,361 | 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 | 1,431 |
| 2010 | 324,908 | 300,319 | 59,115 | 13,536 | 24,624 | 163,998 | 114,230 | 28,684 | 9,275 | 146,924 | 46,541 | 41,815 | 9,583 |
| 2011 | 322,233 | 280,377 | 80,288 | 22,215 | 34,172 | 119,959 | 93,510 | 44,136 | 17,117 | 161,191 | 31,405 | 25,249 | 7,895 |
| 2012 | 294,947 | 255,420 | 61,422 | 16,895 | 39,338 | 122,576 | 94,925 | 51,326 | 17,624 | 173,472 | 38,830 | 34,688 | 12,797 |
| 2013 | 784,116 | 702,503 | 162,964 | 47,636 | 67,186 | 344,625 | 305,445 | 89,647 | 18,068 | 454,991 | 57,850 | 56,565 | 20,425 |
| 2014[g/] | 860,090 | 829,640 | 275,670 | 52,270 | 67,230 | 464,920 | 346,000 | 80,722 | 17,993 | 410,786 | 61,389 | 60,687 | 14,172 |
| 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/ Deschutes esc. time series revised in 2010 to match Deschutes R. Chinook Spawner Esc. Goal using U.S. v. OR Tech. Advisory Comm. 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 adoped in FMP Amendment 16 in 2011.

i/ The U.S. v. Oregon parties managed for a McNary Dam esc. of 60,000 beginning in 2008. Starting in 1994, inriver fisheries were managed 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/]

| | | | Harvest | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Non-Indian | | Escapement | |
| Year or Average | Inriver Run Size | Bonneville Dam Count | Treaty Indian Commercial and Subsistence | Commercial | Sport[b/] | Natural | Hatchery[c/] |
| 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 | 87,262 | 58,775 | 27,569 | 7,596 | 10,275 | 12,399 | 24,923 |
| 2012 | 61,851 | 44,306 | 15,682 | 4,517 | 11,152 | 12,860 | 17,052 |
| 2013 | 243,434 | 187,748 | 55,876 | 16,947 | 27,309 | 65,999 | 58,045 |
| 2014[d/] | 351,430 | 254,970 | 117,700 | 18,600 | 29,010 | 79,360 | 106,760 |
| 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 or Avg. | Minimum Inriver Run Size | Below Bonneville Dam | | | | | Bonneville Dam Counts | Above Bonneville Dam | | | | | Non-Indian Total | | Total Treaty Indian & Non-Indian |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Non-Indian Sport | | | Non-Indian Commercial | | | Non-Indian Sport | | Treaty Indian | | | | | |
| | | Tributary[a/] | Buoy 10 | Mainstem[b/] | Select Area[c/] | Mainstem | | 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 | - | 513 | 1,024 | -- | 2,545 | 22,726 | 8,197 | 34,492 |
| '86-'90 | 283,730 | 39,688 | h/ | 5,686 | - | 14,138 | 104,433 | - | 2,615 | 186 | -- | 6,771 | 48,740 | 14,138 | 69,835 |
| '91-'95 | 182,871 | 33,201 | h/ | 3,010 | 301 | 4,042 | 62,183 | - | 453 | 15 | -- | 3,730 | 37,437 | 4,343 | 45,525 |
| '96-'00 | 149,830 | 12,669 | h/ | 93 | 2,664 | 430 | 90,676 | - | 3,923 | 279 | -- | 5,080 | 16,925 | 3,094 | 25,378 |
| 2001 | 541,002 | 17,199 | h/ | 27,014 | 9,269 | 5,279 | 415,079 | 3,017 | 54,728 | 22,019 | 21,696 | 10,985 | 101,958 | 14,548 | 171,206 |
| 2002 | 485,195 | 28,551 | h/ | 22,045 | 11,699 | 17,407 | 308,795 | 2,815 | 25,637 | 17,930 | 6,324 | 9,208 | 79,049 | 29,106 | 141,616 |
| 2003 | 405,905 | 32,614 | h/ | 17,781 | 7,806 | 4,658 | 229,501 | 2,416 | 21,116 | 5,792 | 2,842 | 9,090 | 73,927 | 12,464 | 104,115 |
| 2004 | 417,512 | 35,345 | h/ | 24,638 | 10,562 | 14,489 | 198,296 | 2,875 | 22,474 | 5,256 | 3,114 | 9,114 | 85,332 | 25,051 | 127,868 |
| 2005 | 192,882 | 15,955 | h/ | 11,635 | 2,406 | 5,647 | 97,387 | 473 | 6,544 | 1 | 0 | 6,163 | 34,606 | 8,053 | 48,823 |
| 2006 | 223,575 | 18,623 | h/ | 7,087 | 7,245 | 5,106 | 126,158 | 1,491 | 3,686 | 1 | 0 | 8,401 | 30,887 | 12,351 | 51,640 |
| 2007 | 155,506 | 14,608 | h/ | 6,527 | 6,774 | 3,336 | 80,829 | 1,810 | 4,962 | 3 | 0 | 5,624 | 27,907 | 10,110 | 43,645 |
| 2008 | 222,814 | 7,284 | h/ | 20,312 | 4,486 | 6,007 | 151,895 | 2,608 | 19,312 | 12,314 | 0 | 9,077 | 49,516 | 10,493 | 81,400 |
| 2009 | 222,920 | 10,257 | h/ | 17,246 | 4,175 | 4,521 | 147,489 | 1,142 | 17,367 | 0 | 0 | 13,101 | 46,012 | 8,696 | 67,809 |
| 2010 | 471,361 | 35,987 | h/ | 29,735 | 24,892 | 10,807 | 277,389 | 5,789 | 37,604 | 25,008 | 0 | 17,946 | 109,116 | 35,699 | 187,768 |
| 2011 | 326,504 | 32,008 | h/ | 12,006 | 11,101 | 5,759 | 205,431 | 4,356 | 24,002 | 7 | 0 | 15,526 | 72,372 | 16,860 | 104,765 |
| 2012 | 326,504 | 32,008 | h/ | 12,006 | 11,101 | 5,759 | 205,431 | 4,356 | 24,002 | 7 | 0 | 15,526 | 72,372 | 16,860 | 104,765 |
| 2013 | 271,187 | 15,116 | h/ | 7,140 | 8,064 | 3,297 | 112,934 | 932 | 7,206 | 0 | 0 | 9,282 | 30,394 | 11,361 | 51,037 |
| 2014[i/] | 506,245 | 13,388 | h/ | 16,272 | 4,643 | 4,664 | 224,946 | 3,581 | 24,730 | 13,807 | 0 | 10,896 | 57,971 | 9,307 | 91,981 |
| **Summer Chinook[g/j/]** | | | | | | | | | | | | | | | |
| '79-'80 | 22,320 | - | - | - | - | 81 | 22,239 | - | - | 38 | -- | 1,047 | 0 | 81 | 1,165 |
| '81-'85 | 16,709 | - | - | - | - | 55 | 16,654 | - | - | 304 | -- | 669 | 0 | 55 | 1,028 |
| '86-'90 | 21,036 | - | - | 8 | - | 71 | 20,957 | - | - | 708 | -- | 194 | 8 | 71 | 980 |
| '91-'95 | 12,984 | - | - | 15 | - | 30 | 12,939 | - | - | - | -- | 227 | 15 | 30 | 271 |
| '96-'00 | 17,957 | - | - | 29 | - | 5 | 17,924 | - | - | - | -- | 317 | 343 | 5 | 665 |
| 2001 | 52,960 | 0 | 0 | 64 | 0 | 1 | 52,895 | 0 | 6,808 | 150 | 0 | 542 | 6,872 | 1 | 7,565 |
| 2002 | 89,524 | 0 | 0 | 1,447 | 0 | 8 | 88,069 | 113 | 7,488 | 74 | 0 | 2,019 | 9,047 | 8 | 11,148 |
| 2003 | 83,058 | 0 | 0 | 1,945 | 36 | 0 | 81,077 | 417 | 7,628 | 3,587 | 0 | 710 | 9,989 | 36 | 14,322 |
| 2004 | 65,623 | 0 | 0 | 1,246 | 3 | 219 | 64,155 | 261 | 7,905 | 8,004 | 0 | 390 | 9,411 | 222 | 18,027 |
| 2005 | 60,272 | 0 | 0 | 1,621 | 0 | 2,787 | 55,864 | 487 | 3,424 | 6,415 | 0 | 1,227 | 5,532 | 2,787 | 15,961 |
| 2006 | 77,573 | 0 | 0 | 4,926 | 9 | 4,819 | 67,819 | 346 | 5,449 | 15,771 | 0 | 548 | 10,721 | 4,828 | 31,868 |
| 2007 | 37,035 | 0 | 0 | 2,214 | 0 | 1,122 | 33,699 | 194 | 5,286 | 4,564 | 0 | 811 | 7,694 | 1,122 | 14,191 |
| 2008 | 55,532 | 0 | 0 | 2,140 | 59 | 1,370 | 51,963 | 942 | 4,701 | 8,317 | 0 | 712 | 7,783 | 1,429 | 18,241 |
| 2009 | 53,881 | 0 | 0 | 2,341 | 22 | 2,524 | 48,994 | 175 | 3,734 | 10,441 | 0 | 1,209 | 6,250 | 2,546 | 20,446 |
| 2010 | 72,346 | 0 | 0 | 2,738 | 20 | 4,720 | 64,638 | 435 | 6,310 | 15,569 | 0 | 230 | 9,483 | 4,740 | 30,022 |
| 2011 | 80,574 | 0 | 0 | 5,576 | 0 | 5,004 | 69,994 | 369 | 6,815 | 20,645 | 0 | 0 | 12,760 | 5,004 | 38,409 |
| 2012 | 58,300 | 0 | 0 | 3,281 | 23 | 1,692 | 53,304 | 231 | 7,304 | 7,824 | 0 | 0 | 10,815 | 1,715 | 20,354 |
| 2013 | 67,603 | 0 | 0 | 2,058 | 33 | 1,954 | 63,508 | 10 | 6,358 | 13,272 | 0 | 125 | 8,426 | 1,987 | 23,810 |
| 2014[i/] | 78,304 | 0 | 0 | 2,385 | 45 | 2,793 | 72,871 | 465 | 6,741 | 19,179 | 0 | 210 | 9,591 | 2,838 | 31,818 |

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 or Avg. | Minimum Inriver Run Size | Below Bonneville Dam | | | | | Bonneville Dam Counts | Above Bonneville Dam | | | | | Non-Indian Total | | Total Treaty Indian & Non-Indian |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Non-Indian Sport | | | Non-Indian Commercial | | | Non-Indian Sport | | Treaty Indian | | | | | |
| | | Tributary[a/] | Buoy 10 | Mainstem[b/] | Select Area[c/] | Mainstem | | Mainstem | Tributary[d/] | Ticketed Commercial[e/] | Non-Ticketed Public Sales | Ceremonial & Subsistence[f/] | Sport | Commercial | |
| **Fall Chinook[l/]** | | | | | | | | | | | | | | | |
| '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 | 2,870 | 1,528 | 8,560 | 45,490 | 150,768 | 1,677 | -- | 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 | 953 | 5,692 | 37,056 | 197,876 | 360,441 |
| '91-'95 | 240,267 | 3,541 | 4,979 | 2,633 | 1,230 | 14,693 | 145,489 | 4,150 | 584 | 33,408 | 4,732 | 526 | 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 | 485 | 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 | 620,572 | 11,229 | 10,166 | 28,459 | 20,270 | 50,257 | 401,576 | 14,642 | 3,372 | 109,655 | 19,834 | 550 | 67,868 | 70,527 | 268,434 |
| 2012 | 525,369 | 7,888 | 18,441 | 24,740 | 18,751 | 36,195 | 350,047 | 18,416 | 6,171 | 78,154 | 50,954 | 832 | 75,656 | 54,946 | 260,542 |
| 2013 | 1,266,441 | 16,262 | 21,674 | 35,224 | 23,250 | 83,863 | 953,221 | 38,964 | 10,881 | 185,382 | 48,903 | 66 | 123,005 | 107,113 | 464,469 |
| 2014[l/] | 1,468,970 | 13,840 | 27,680 | 44,880 | 19,180 | 86,030 | 854,826 | 41,590 | 0 | 206,220 | 60,055 | 187 | 127,990 | 105,210 | 499,662 |
| **Total Chinook** | | | | | | | | | | | | | | | |
| '79-'80 | 496,338 | 13,253 | - | 1,728 | 20,800 | 39,608 | 213,891 | 651 | -- | 16,581 | -- | 2,760 | 15,306 | 59,608 | 94,254 |
| '81-'85 | 524,355 | 23,726 | 7,176 | 3,761 | 8,560 | 53,742 | 235,764 | 2,090 | 513 | 50,216 | -- | 8,239 | 32,959 | 62,302 | 153,716 |
| '86-'90 | 908,480 | 46,071 | 20,641 | 9,813 | 16,059 | 196,025 | 384,197 | 6,576 | 2,703 | 119,758 | 4,765 | 12,656 | 85,803 | 212,085 | 431,256 |
| '91-'95 | 436,121 | 36,741 | 6,224 | 5,658 | 1,531 | 18,765 | 220,611 | 4,924 | 1,037 | 33,424 | 4,732 | 4,482 | 53,339 | 20,295 | 116,272 |
| '96-'00 | 463,384 | 14,067 | 6,906 | 8,888 | 5,583 | 7,781 | 317,435 | 5,324 | 6,160 | 38,676 | 21,746 | 5,881 | 41,345 | 13,364 | 121,012 |
| 2001 | 1,142,698 | 20,170 | 12,287 | 35,761 | 13,469 | 28,218 | 868,384 | 10,939 | 64,336 | 102,128 | 53,093 | 11,892 | 143,493 | 41,687 | 352,294 |
| 2002 | 1,308,059 | 36,340 | 18,273 | 44,727 | 19,598 | 51,843 | 871,512 | 14,099 | 39,065 | 114,281 | 40,242 | 11,684 | 152,504 | 71,441 | 390,152 |
| 2003 | 1,382,889 | 44,613 | 14,873 | 45,657 | 17,202 | 59,278 | 920,914 | 12,099 | 33,234 | 104,201 | 33,949 | 10,483 | 150,476 | 76,480 | 375,589 |
| 2004 | 1,282,160 | 43,724 | 15,201 | 42,852 | 22,965 | 55,081 | 845,720 | 13,433 | 34,594 | 125,093 | 18,493 | 9,920 | 149,803 | 78,046 | 381,356 |
| 2005 | 837,163 | 23,765 | 9,983 | 33,367 | 11,083 | 34,665 | 570,308 | 10,069 | 14,275 | 98,879 | 22,058 | 7,960 | 91,459 | 45,748 | 266,104 |
| 2006 | 723,582 | 25,675 | 1,620 | 25,460 | 12,076 | 33,069 | 493,138 | 6,973 | 13,104 | 74,614 | 18,849 | 9,340 | 72,832 | 45,145 | 220,780 |
| 2007 | 412,169 | 17,308 | 3,389 | 16,629 | 10,424 | 16,143 | 274,343 | 6,918 | 12,267 | 38,568 | 11,085 | 6,705 | 56,511 | 26,567 | 139,437 |
| 2008 | 727,330 | 10,783 | 7,764 | 33,333 | 17,040 | 35,055 | 518,853 | 10,572 | 26,660 | 111,599 | 18,055 | 9,829 | 89,112 | 52,095 | 280,690 |
| 2009 | 705,782 | 17,873 | 4,218 | 34,541 | 15,170 | 39,713 | 480,174 | 9,441 | 24,431 | 73,939 | 12,008 | 14,325 | 90,505 | 54,883 | 245,659 |
| 2010 | 1,200,790 | 44,061 | 6,473 | 49,422 | 43,049 | 46,239 | 809,551 | 19,751 | 47,221 | 159,024 | 13,029 | 18,203 | 166,928 | 89,288 | 446,471 |
| 2011 | 1,027,650 | 43,237 | 10,166 | 46,041 | 31,371 | 61,020 | 677,001 | 19,368 | 34,189 | 130,307 | 19,834 | 16,076 | 153,000 | 92,391 | 411,608 |
| 2012 | 910,173 | 39,896 | 18,441 | 40,027 | 29,875 | 43,646 | 608,782 | 23,003 | 37,477 | 85,985 | 50,954 | 16,358 | 158,844 | 73,521 | 385,662 |
| 2013 | 1,605,232 | 31,378 | 21,674 | 44,422 | 31,347 | 89,114 | 1,129,663 | 39,906 | 24,445 | 198,654 | 48,903 | 9,473 | 161,825 | 120,461 | 539,316 |
| 2014[l/] | 2,053,519 | 27,228 | 27,680 | 63,537 | 23,868 | 93,487 | 1,152,643 | 45,636 | 31,471 | 239,206 | 60,055 | 11,293 | 195,552 | 117,355 | 623,461 |

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-and-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]

| | | Below Bonneville Dam | | | | | Above Bonneville Dam | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Lower River Catch | | | Lower River Escapement | | | | | |
| | | | Recreational | | | | | | | |
| Year or Average | Minimum Inriver Run Size | Commercial | Buoy 10 | Mainstem[b/] | Hatchery[c/] | Tributary Dam Counts[d/] | Bonneville Dam Counts[e/] | Mainstem Commercial Treaty Catch | Zone 6 Escapement[f/] | Hatchery Escapement |
| 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 | 705.0 | 392.2 | 82.3 | 13.9 | 147.6 | 5.8 | 46.3 | 5.5 | 40.7 | 11.5 |
| 1991-1995 | 315.1 | 115.8 | 55.9 | 10.7 | 96.0 | 3.7 | 23.6 | 2.0 | 21.6 | 6.1 |
| 1996 | 117.1 | 26.2 | 4.5 | 3.8 | 62.2 | 0.6 | 15.7 | 0.7 | 15.0 | 1.4 |
| 1997 | 156.4 | 20.4 | 20.4 | 11.6 | 69.7 | 2.8 | 24.2 | 0.6 | 23.6 | 4.4 |
| 1998 | 175.9 | 23.0 | 3.2 | 6.7 | 87.9 | 1.3 | 46.3 | 1.5 | 44.8 | 11.3 |
| 1999 | 289.1 | 79.1 | 9.0 | 19.9 | 124.5 | 1.0 | 40.7 | 2.3 | 38.4 | 10.0 |
| 2000 | 558.3 | 168.4 | 21.5 | 37.7 | 288.6 | 6.2 | 85.8 | 6.3 | 79.5 | 26.6 |
| 2001 | 1,128.3 | 253.1 | 132.0 | 78.0 | 377.3 | 8.2 | 259.8 | 5.4 | 254.4 | 80.6 |
| 2002 | 535.8 | 163.0 | 6.2 | 27.4 | 211.1 | 3.7 | 88.6 | 1.6 | 86.9 | 2.9 |
| 2003 | 713.2 | 257.3 | 54.4 | 23.6 | 205.4 | 11.2 | 125.7 | 5.8 | 120.0 | 3.9 |
| 2004 | 463.5 | 119.6 | 15.2 | 13.6 | 173.5 | 5.6 | 115.0 | 10.3 | 104.8 | 6.2 |
| 2005 | 354.7 | 94.8 | 6.9 | 10.5 | 142.3 | 3.3 | 83.3 | 4.9 | 78.5 | 2.3 |
| 2006 | 409.7 | 63.4 | 3.7 | 16.5 | 191.1 | 9.5 | 102.1 | 8.1 | 94.1 | 0.7 |
| 2007 | 349.0 | 40.3 | 8.4 | 24.2 | 161.0 | 10.5 | 92.5 | 8.0 | 84.5 | 2.0 |
| 2008 | 520.5 | 60.4 | 8.6 | 42.8 | 240.9 | 6.2 | 135.5 | 21.6 | 113.9 | 1.1 |
| 2009 | 759.5 | 124.2 | 48.1 | 39.8 | 260.4 | 32.3 | 244.9 | 8.9 | 236.0 | 2.4 |
| 2010 | 470.8 | 76.3 | 8.0 | 23.4 | 189.3 | 22.3 | 102.7 | 7.1 | 95.6 | 0.6 |
| 2011 | 383.2 | 62.3 | 7.6 | 24.7 | 108.3 | 8.7 | 146.5 | 33.3 | 113.2 | 0.6 |
| 2012 | 143.9 | 17.1 | 7.4 | 4.7 | 41.9 | 9.1 | 55.0 | 6.4 | 48.6 | 1.1 |
| 2013 | 242.1 | 48.4 | 7.6 | 10.7 | 81.9 | 21.6 | 59.6 | 8.8 | 50.8 | NA |
| 2014[g/] | 966.7 | 237.3 | 57.7 | 43.5 | 291.9 | 31.5 | 280.4 | 39.2 | 241.2 | 0.9 |
| 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 | 49,409 | 10,919 | 7,614 | 0.38 |
| 2012 | 65,070 | 18,550 | 7,385 | 0.40 |
| 2013 | 65,767 | 22,594 | 7,620 | 0.46 |
| 2014[f/] | 107,522 | 26,788 | 57,744 | 0.79 |

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.

| | Non-local Stocks | Terminal Catch | | Spawning Escapement | | |
|---|---|---|---|---|---|---|
| Year or Average | Gillnet Catch[a/] | Gillnet | Sport[b/] | Natural[c/] | Hatchery | Terminal Run Size[d/] |
| 1976-1980 | 6,083 | 16,725 | 419 | 1,995 | 4,529 | 21,439 |
| 1981-1985 | 672 | 7,675 | 589 | 1,588 | 5,398 | 14,906 |
| 1986-1990 | 2,167 | 18,483 | 1,578 | 5,576 | 22,458 | 47,805 |
| 1991-1995 | 1,121 | 28,252 | 2,823 | 2,819 | 17,086 | 50,981 |
| 1996 | - | 36,983 | 3,024 | 2,153 | 12,079 | 54,239 |
| 1997 | - | 12,309 | 2,404 | 3,891 | 13,729 | 32,333 |
| 1998 | - | 6,765 | 2,178 | 3,114 | 4,677 | 16,734 |
| 1999 | - | 265 | 1,906 | 1,360 | 4,900 | 8,431 |
| 2000 | - | 5,922 | 1,399 | 2,303 | 10,455 | 20,079 |
| 2001 | - | 5,459 | 2,121 | 2,161 | 10,099 | 19,840 |
| 2002 | 26 | 9,286 | 2,543 | 1,729 | 13,680 | 27,238 |
| 2003 | 125 | 7,574 | 3,242 | 2,732 | 14,628 | 28,176 |
| 2004 | - | 4,349 | 3,889 | 2,838 | 21,444 | 32,520 |
| 2005 | - | 6,354 | 4,820 | 1,978 | 18,088 | 31,240 |
| 2006 | - | 12,318 | 5,551 | 3,739 | 24,209 | 45,817 |
| 2007 | - | 4,108 | 2,579 | 1,907 | 13,400 | 21,994 |
| 2008 | - | 3,595 | 2,988 | 1,544 | 14,891 | 23,018 |
| 2009 | - | 6,929 | 4,623 | 2,345 | 19,831 | 33,728 |
| 2010[f/g/] | 81 | 8,549 | 3,367 | 4,499 | 21,576 | 37,991 |
| 2011[f/g/] | 778 | 20,068 | 8,438 | 3,805 | 21,892 | 54,203 |
| 2012[f/g/] | 932 | 11,242 | 6,055 | 2,677 | 14,178 | 34,152 |
| 2013[f/g/] | 1,080 | 14,185 | 5,823 | 1,904 | 14,527 | 36,439 |
| 2014[f/g/] | 929 | 14,511 | NA | NA | NA | NA |
| GOAL | | | | 3,393[h/] | 9,800[i/] | |

a/ Non-local gillnet is catch prior to Aug. 16. 2010-13, 42% were considered non-local. In 2014, 28% were non-local based on genetic data samples collected in gillnet fishery.

b/ Includes catch and incidental mortalities.

c/ Adults. Sport catch since 1991 includes marine areas within Willapa Bay (e.g., Washaway Beach).

d/ Escapement estimates after 1984 are based on revised spawning habitat estimates. Natural = adult returns assumed to be from natural origin parents.

e/ Does not include catch of non-local stocks.

f/ Preliminary.

g/ To calculate total gillnet catch, combine Non-local Stocks Gillnet Catch (column 1) and Terminal Catch Gillnet (column 2).

h/ MSY spawning escapement objective established in FMP Amendment 16; WDFW goal is 4,350.

i/ WDFW goal; not an FMP goal.

TABLE B-24. Willapa Bay coho terminal run size, catch, and spawning escapement in numbers of fish.

| | Terminal Catch | | Spawning Escapement | | |
|---|---|---|---|---|---|
| Year or Average | Gillnet | Sport[a/] | Natural[b/] | Hatchery[c/] | Terminal Run Size[d/] |
| 1976-1980 | 15,031 | 2,842 | 5,800 | 14,328 | 38,001 |
| 1981-1985 | 39,007 | 2,181 | 3,567 | 26,640 | 69,968 |
| 1986-1990 | 68,969 | 2,591 | NA | 35,811 | 107,371 |
| 1991-1995 | 34,255 | 2,802 | 4,582 | 27,205 | 65,178 |
| 1996 | 38,322 | 4,052 | 15,711 | 48,895 | 106,980 |
| 1997 | 1,526 | 806 | 4,934 | 6,399 | 13,665 |
| 1998 | 13,141 | 852 | 13,804 | 6,785 | 34,582 |
| 1999 | 5,467 | 2,836 | 9,628 | 22,711 | 40,642 |
| 2000 | 10,326 | 1,780 | 23,034 | 29,148 | 64,288 |
| 2001 | 31,913 | 5,707 | 48,404 | 54,359 | 140,383 |
| 2002 | 59,435 | 5,672 | 52,722 | 54,838 | 172,667 |
| 2003 | 66,470 | 5,887 | 46,704 | 68,797 | 187,858 |
| 2004 | 16,533 | 2,361 | 36,639 | 21,220 | 76,753 |
| 2005 | 48,929 | 3,892 | 22,007 | 45,165 | 119,993 |
| 2006 | 19,948 | 811 | 12,306 | 8,088 | 41,153 |
| 2007 | 8,189 | 955 | 18,202 | 9,243 | 36,589 |
| 2008 | 16,692 | 1,227 | 14,898 | 12,488 | 45,305 |
| 2009 | 75,095 | 6,461 | 45,655 | 22,813 | 150,024 |
| 2010 | 28,901 | 5,096 | 76,573 | 40,175 | 150,745 |
| 2011[e/] | 47,985 | 5,680 | 31,263 | 25,614 | 110,542 |
| 2012[e/] | 25,783 | 5,064 | 20,256 | 17,169 | 68,272 |
| 2013[e/] | 11,560 | 4,241 | NA | NA | 15,801 |
| 2014[e/] | 77,233 | NA | NA | NA | NA |
| GOAL | | | 13,090[f/] | 6,100[f/] | |

a/ Adults. Sport catch since 1991 includes marine areas within Williapa 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 | Early Non-local Catch | Terminal Catch: Non-Indian Gillnet | Terminal Catch: Treaty Indian Gillnet | Terminal Catch: Chehalis Tribal Gillnet | Terminal Catch: Sport[a/] | Spawning Escapement: Natural[b/] | Spawning Escapement: Hatchery[c/] | Terminal Run Size[d/] |
|---|---|---|---|---|---|---|---|---|
| | | | | **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 | 0 | 2,563 | - | 2,573 |
| 2012[g/] | - | - | 6 | 201 | 59 | 878 | - | 1,151 |
| 2013[g/] | - | - | 31 | NA | 148 | 2,459 | - | 2,638 |
| 2014[g/] | - | - | 14 | NA | NA | 1,583 | - | 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 | Early Non-local Catch | Terminal Catch: Non-Indian Gillnet | Terminal Catch: Treaty Indian Gillnet | Terminal Catch: Chehalis Tribal Gillnet | Terminal Catch: Sport[a/] | Spawning Escapement: Natural[b/] | Spawning Escapement: Hatchery[c/] | Terminal Run Size[d/] |
|---|---|---|---|---|---|---|---|---|
| | | | | **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 | 20,730 | 1,319 | 38,522 i/ |
| 1991-1995 | 206 | 5,000 | 7,750 | 901 | 3,794 | 14,276 | 3,006 | 34,728 i/ |
| 1996 | 148 | 1,441 | 4,068 | 49 | 7,456 | 20,227 | 4,307 | 37,548 i/ |
| 1997 | 24 | 2,796 | 6,630 | 311 | 2,687 | 18,168 | 2,416 | 33,008 i/ |
| 1998 | 5 | 267 | 4,135 | 0 | 2,912 | 12,529 | 1,921 | 21,764 i/ |
| 1999 | 0 | 87 | 1,926 | 1 | 114 | 10,363 | 1,990 | 14,481 i/ |
| 2000 | 671 | 647 | 3,289 | 0 | 1,714 | 9,250 | 1,471 | 16,371 |
| 2001 | 0 | 2,523 | 3,885 | 0 | 3,210 | 9,491 | 1,375 | 20,484 |
| 2002 | 40 | 26 | 963 | 0 | 2,955 | 11,838 | 2,072 | 17,854 |
| 2003 | 0 | 295 | 851 | 0 | 1,031 | 19,417 | 2,438 | 24,032 |
| 2004 | 0 | 183 | 3,498 | 476 | 6,158 | 31,770 | 2,920 | 45,005 |
| 2005 | 0 | 379 | 2,260 | NA | 465 | 19,499 | 3,328 | 25,931 |
| 2006 | 0 | 195 | 3,738 | NA | 1,635 | 17,113 | 3,352 | 26,033 |
| 2007[g/] | 0 | 514 | 2,472 | NA | 1,719 | 12,440 | 1,745 | 18,890 |
| 2008[g/] | 0 | 717 | 1,878 | NA | 0 | 15,331 | 2,304 | 20,230 |
| 2009[g/] | 0 | 1,193 | 2,485 | NA | 860 | 8,358 | 1,798 | 14,694 |
| 2010[g/] | 0 | 1,495 | 3,403 | NA | 1,995 | 16,951 | 3,092 | 26,936 |
| 2011[g/] | 0 | 2,121 | 6,402 | NA | 3,049 | 20,317 | 3,360 | 35,249 |
| 2012[g/] | 0 | 1,579 | 3,988 | NA | 4,357 | 11,969 | 827 | 24,818 |
| 2013[g/] | 0 | 85 | 2,875 | NA | 4,248 | 12,582 | 701 | 20,491 |
| 2014[g/] | 0 | 72 | 5,094 | 2 | NA | 12,400 | 1,676 | NA |
| GOAL | | | | | | 14,600[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/ Spawning escapement objective adopted under Amendment 16. Previous objectives of 1,400 (spring) and 14,600 (fall) used for preseason planning in 2014.

i/ Rec. catch estimates by WDFW reflect a catch record card bias correction factor of 0.833. Quinault Indian Nation does not believe this factor is appropriate. 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: Non-Indian Gillnet | Terminal Catch: Treaty Indian Gillnet | Terminal Catch: Chehalis Tribal Gillnet | Terminal Catch: Sport[a/] | Spawning Escapement[b/]: Natural | Spawning Escapement[b/]: Hatchery | Terminal Run Size[c/]: Natural | Terminal Run Size[c/]: Hatchery | Terminal Run Size[c/]: Total[d/] |
|---|---|---|---|---|---|---|---|---|---|
| 1976-1980 | 5,231 | 9,675 | 3,510 | 2,021 | 29,510 | 10,207 | 44,430 | 17,933 | 61,088 |
| 1981-1985 | 5,299 | 15,614 | 2,865 | 5,012 | 36,847 | 18,094 | 40,320 | 42,604 | 82,924 |
| 1986-1990 | 7,715 | 30,109 | 1,817 | 5,355 | 44,836 | 31,479 | 48,207 | 73,099 | 121,307 |
| 1991-1995 | 12,502 | 29,186 | 2,609 | 10,503 | 36,485 | 32,017 | 49,285 | 74,407 | 123,692 |
| 1996 | 10,096 | 51,874 | 2,672 | 20,846 | 63,571 | 50,041 | 85,553 | 113,620 | 199,173 |
| 1997 | 115 | 5,395 | 125 | 1,547 | 22,470 | 13,008 | 19,512 | 23,068 | 42,580 |
| 1998 | 795 | 13,430 | 305 | 2,123 | 35,551 | 16,957 | 40,095 | 29,678 | 69,773 |
| 1999 | 1,674 | 12,061 | 68 | 4,507 | 33,348 | 27,518 | 37,709 | 41,970 | 79,679 |
| 2000 | 4,995 | 10,797 | 7 | 5,122 | 38,054 | 34,659 | 41,606 | 47,448 | 89,054 |
| 2001 | 3,152 | 15,520 | 82 | 20,868 | 80,100 | 85,826 | 75,062 | 126,704 | 201,766 |
| 2002 | 6,853 | 14,132 | 666 | 13,083 | 110,066 | 51,390 | 109,626 | 83,139 | 192,765 |
| 2003 | 6,623 | 12,041 | 1,000 | 12,026 | 84,952 | 72,913 | 92,653 | 97,635 | 190,288 |
| 2004 | 5,231 | 17,681 | 1,741 | 9,847 | 60,690 | 48,552 | 60,689 | 82,799 | 143,488 |
| 2005 | 3,073 | 23,260 | 2,286 | 10,919 | 38,585 | 50,227 | 41,786 | 86,922 | 128,708 |
| 2006 | 649 | 8,685 | 127 | 2,151 | 18,767 | 17,031 | 21,236 | 26,174 | 47,410 |
| 2007[e/] | 1,687 | 8,926 | 1,108 | 4,450 | 25,808 | 14,309 | 28,293 | 27,995 | 56,288 |
| 2008[e/] | 7,783 | 10,204 | 869 | 3,266 | 35,562 | 19,642 | 45,534 | 31,792 | 77,326 |
| 2009[e/] | 561 | 28,513 | 2,519 | 16,288 | 75,763 | 54,478 | 97,811 | 80,311 | 178,122 |
| 2010[e/] | 3,990 | 25,163 | 1,216 | 12,455 | 105,894 | 73,055 | 112,992 | 108,781 | 221,773 |
| 2011[e/] | 3,628 | 28,267 | 742 | 14,569 | 67,024 | 23,115 | 99,256 | 38,089 | 137,345 |
| 2012[e/] | 10,350 | 30,670 | 2,470 | 17,706 | 71,039 | 21,483 | 115,119 | 38,619 | 153,738 |
| 2013[e/] | 5,941 | 21,957 | 2,434 | 21,181 | 57,055 | 26,266 | 78,798 | 45,346 | 124,144 |
| 2014[e/] | 5,474 | 67,067 | 7,322 | NA | NA | 55,970 | 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 brood stock.

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/ The MSH escapement objective of 35,400 was used for preseason planning through the 2013 season.

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 | 43 | 5,455 | 1,156 | 1,441 |
| 2010 | 8 | 4,521 | 2,037 | 1,856 |
| 2011 | 26 | 5,998 | 7,421 | 9,177 |
| 2012 | 15 | 5,090 | 3,426 | 1,193 |
| 2013[b/] | 20 | 7,148 | 3,834 | 969 |
| 2014[b/] | 11 | 12,349 | 1,250 | 4,313 |

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 | 54,882 | 2,036 | 2,047 | 33,140 | 23,353 | 48,324 | 66,095 | 114,419 |
| 2010 | 41,726 | 1,449 | 1,450 | 19,302 | 12,785 | 33,577 | 41,680 | 75,257 |
| 2011 | 38,431 | 1,481 | 1,570 | 26,588 | 19,131 | 41,759 | 43,420 | 85,179 |
| 2012[b/] | 19,166 | 656 | 798 | 13,026 | 5,383 | 23,171 | 15,514 | 38,684 |
| 2013[b/] | 20,477 | 942 | 1,203 | 23,592 | 17,818 | 29,579 | 33,628 | 63,207 |
| 2014[b/] | 50,294 | NA | NA | NA | 30,891 | 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 | - | 0 | - | 495 | - | 495 | - | 495 |
| 2010 | - | 0 | - | 259 | - | 259 | - | 259 |
| 2011 | - | 0 | - | 373 | - | 373 | - | 373 |
| 2012[c/] | - | 0 | - | 760 | - | 760 | - | 760 |
| 2013[c/] | - | <10 | - | 520 | - | 520 | - | 520 |
| 2014[c/] | 75 | <10 | - | 377 | - | 452 | - | 462 |
| 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.

| | Terminal Catch | | | Escapement | Terminal Run Size | | |
|---|---|---|---|---|---|---|---|
| Average | Gillnet | Ceremonial & Subsistence | River Sport[a/] | Natural[b/] | Natural [c/] | Indicator [d/] | Total |
| 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 | 3,066 | 3,571 | 1,204 | 4,775 |
| 2002 | 2,887 | 69 | 20 | 2,598 | 4,385 | 1,186 | 5,571 |
| 2003 | 1,322 | 93 | 278 | 4,971 | 5,183 | 1,428 | 6,611 |
| 2004 | 1,228 | 93 | 370 | 5,173 | 4,846 | 2,018 | 6,864 |
| 2005 | 1,648 | 90 | 441 | 4,578 | 4,542 | 2,213 | 6,755 |
| 2006 | 1,079 | 57 | 71 | 3,059 | 3,262 | 1,004 | 4,266 |
| 2007 | 634 | 20 | 74 | 872 | 1,288 | 307 | 1,595 |
| 2008 | 1,020 | 41 | 0 | 3,105 | 3,510 | 698 | 4,208 |
| 2009 | 1,522 | 65 | 209 | 3,135 | 4,062 | 856 | 4,918 |
| 2010 | 1,722 | 81 | 169 | 4,031 | 4,250 | 1,751 | 6,001 |
| 2011 | 2,327 | 83 | 417 | 3,857 | 4,877 | 1,772 | 6,649 |
| 2012[e/] | 2,722 | 86 | 302 | 3,707 | 5,835 | 922 | 6,757 |
| 2013[e/] | 1,943 | 61 | 258 | 2,582 | 4,077 | 890 | 4,967 |
| 2014[e/] | 1,182 | 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. Brood stock 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 | 25,004 | 1,680 | 865 | 9,404 | 0 | 14,151 | 16,909 | 0 | 30,161 | 47,070 |
| 2010 | 21,138 | 1,381 | 944 | 11,261 | 0 | 10,326 | 18,283 | 0 | 20,954 | 39,237 |
| 2011 | 16,641 | 1,204 | 1,521 | 8,588 | 0 | 12,887 | 15,350 | 0 | 19,812 | 35,162 |
| 2012[g/] | 6,118 | 373 | 527 | 4,285 | 0 | 1,105 | 8,119 | 0 | 3,272 | 11,391 |
| 2013[g/] | 4,519 | 563 | 1,285 | 5,684 | 0 | 9,566 | 8,848 | 0 | 11,381 | 20,229 |
| 2014[g/] | 15,473 | NA | 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.

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/] | | | | | | | Escapement | | Terminal Run Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Gillnet | | | Ceremonial & Subsistence | | | River Sport[b/] | | | | | |
| | 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 | 703 | 274 | 977 |
| 2009[d/e/] | 30 | 106 | 136 | 3 | 2 | 5 | 12 | 880 | 2 | 913 | 122 | 1,035 |
| 2010[d/e/] | 24 | 83 | 107 | 0 | 0 | 0 | 6 | 828 | 0 | 852 | 89 | 941 |
| 2011[d/e/] | 51 | 25 | 76 | 7 | 3 | 10 | 22 | 827 | 0 | 885 | 50 | 935 |
| 2012[d/e/f/] | 135 | 263 | 398 | 9 | 11 | 20 | 36 | 915 | 1 | 1,059 | 311 | 1,370 |
| 2013[d/e/f/] | 117 | 415 | 532 | 6 | 17 | 23 | 37 | 750 | 0 | 873 | 469 | 1,342 |
| 2014[d/e/f/] | 67 | 264 | 331 | 8 | 20 | 28 | 0 | 744 | 0 | 819 | 284 | 1,103 |
| 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); begining in 2008, all Chinook must be marked with a healed adipose fin clip.

c/ Sport fishery closed until July 14.

d/ Sport fishery closed to retention of wild adult spring/summer Chinook through August 31 .

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 | 5,323 | 77 | 5,414 |
| 2006 | 586 | 30 | 204 | 1,535 | 0 | 2,336 | 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 | 2,747 | 21 | 2,788 |
| 2010 | 342 | 0 | 297 | 2,599 | 0 | 3,204 | 34 | 3,238 |
| 2011 | 528 | 0 | 400 | 1,293 | 0 | 2,163 | 58 | 2,221 |
| 2012 | 586 | 10 | 237 | 1,800 | 0 | 2,633 | 74 | 2,707 |
| 2013[d/] | 1,683 | 10 | 505 | 1,269 | 0 | 3,298 | 169 | 3,467 |
| 2014[d/] | 634 | 10 | NA | 1,514 | 0 | NA | 52 | 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 | 2,638 | 0 | 515 | 8,231 | 0 | 10,549 | 468 | 11,017 |
| 2011 | 3,418 | 0 | 1,210 | 8,043 | 0 | 12,463 | 208 | 12,671 |
| 2012 | 1,663 | 10 | 444 | 4,179 | 0 | 5,774 | 78 | 5,852 |
| 2013 | 4,850 | 20 | 1,093 | 2,899 | 0 | 8,472 | 390 | 8,862 |
| 2014[f/] | 3,529 | 20 | NA | 6,352 | 0 | NA | 150 | 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 | | |
|---|---|---|---|---|---|---|---|---|
| | Gillnet | Ceremonial & Subsistence[a/] | River Sport[b/] | Natural[c/] | Hatchery[d/] | Natural[c/] | Hatchery[d/] | Total |
| 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[f/] | 567 | 0 | 233 | 772 | 880 | 941 | 1,554 | 2,495 |
| 2011[f/] | 599 | 41 | 655 | 569 | 696 | 823 | 1,755 | 2,578 |
| 2012[e/f/] | 880 | 20 | 639 | 729 | 437 | 841 | 1,880 | 2,721 |
| 2013[e/f/] | 1,204 | 0 | 794 | 957 | 528 | 1,148 | 2,371 | 3,519 |
| 2014[e/f/] | 740 | 0 | NA | 547 | 342 | 802 | 1,551 | 2,353 |
| 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 sepatately.

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 | 2,434 | 0 | 352 | 3,130 | 0 | 5,874 | 42 | 5,916 |
| 2010 | 1,815 | 0 | 553 | 4,635 | 0 | 6,985 | 18 | 7,003 |
| 2011 | 1,972 | 3 | 868 | 3,963 | 0 | 6,765 | 41 | 6,806 |
| 2012[e] | 2,842 | 0 | 365 | 3,518 | 0 | 6,689 | 36 | 6,725 |
| 2013[e/] | 2,001 | 0 | 1,197 | 4,017 | 0 | 7,166 | 49 | 7,215 |
| 2014[e/f/] | 4,213 | 0 | NA | 2,766 | 0 | 7,698 | 91 | 7,789 |
| 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 | 1,313 | 0 | 198 | 706 | 6,419 | 971 | 7,665 | 8,636 |
| 2009 | 3,227 | 0 | 233 | 1,337 | 8,085 | 2,210 | 10,672 | 12,882 |
| 2010 | 890 | 0 | 58 | 273 | 1,644 | 564 | 2,304 | 2,868 |
| 2011 | 757 | 0 | 220 | 1,654 | 3,800 | 2,069 | 4,362 | 6,431 |
| 2012[f/] | 430 | 0 | 251 | 672 | 1,588 | 789 | 2,152 | 2,941 |
| 2013[f/] | 1,028 | 0 | 136 | 451 | 2,504 | 863 | 3,272 | 4,135 |
| 2014[f/g/] | 4,281 | 0 | NA | 688 | 5,085 | 1,976 | 8,281 | 10,257 |
| 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 | 15,722 | 10 | 511 | 6,947 | 12,098 | 12,979 | 22,309 | 35,288 |
| 2009 | 37,112 | 0 | 4,620 | 7,863 | 23,373 | 24,653 | 48,315 | 72,968 |
| 2010 | 27,127 | 10 | 3,537 | 9,837 | 23,325 | 23,901 | 39,935 | 63,836 |
| 2011 | 21,983 | 11 | 3,955 | 8,070 | 22,487 | 20,887 | 35,634 | 56,521 |
| 2012[f/] | 11,051 | 1 | 1,317 | 5,846 | 2,276 | 15,421 | 5,070 | 20,490 |
| 2013[f/] | 12,611 | 0 | 4,565 | 7,063 | 5,111 | 18,220 | 11,139 | 29,359 |
| 2014[f/g/] | 27,427 | 0 | NA | 10,356 | 12,389 | 15,145 | 27,950 | 43,095 |
| 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 | - | - | - | 38 | 347 | 38 | 347 | 385 |
| 2010 | - | - | - | 322 | 471 | 322 | 471 | 793 |
| 2011 | - | - | - | 1,081 | 423 | 1,081 | 423 | 1,504 |
| 2012[c/] | - | - | - | 663 | 423 | 663 | 423 | 1,086 |
| 2013[c/] | - | - | - | 680 | 726 | 680 | 726 | 1,406 |
| 2014[c/] | - | - | - | 1,592 | 226 | 1,592 | 226 | 1,818 |
| 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/ 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 | 88,513 | 279,801 | 323 | 741,932 | 334,824 |
| | Total | 115,879 | 310,959 | 334 | 1,951,163 | 481,229 |
| 2003[c/] | Non-Indian | 8,567 | 18,105 | 683,393 | 764,132 | 90,618 |
| | Treaty Indian | 82,152 | 235,919 | 544,477 | 695,663 | 180,576 |
| | 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 | 96,261 | 533,188 | 698 | 1,057,299 | 140,074 |
| | Total | 101,303 | 572,669 | 702 | 2,231,594 | 221,105 |

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 |
|---|---|---|---|---|---|---|
| 2005[c/] | Non-Indian | 6,236 | 19,694 | 144,567 | 383,127 | 65,931 |
| | Treaty Indian | 93,776 | 287,037 | 206,435 | 354,831 | 144,445 |
| | Total | 100,012 | 306,731 | 351,002 | 737,958 | 210,376 |
| 2006[c/] | Non-Indian | 13,300 | 9,827 | 6 | 877,791 | 223,908 |
| | Treaty Indian | 104,956 | 259,779 | 411 | 790,603 | 548,661 |
| | Total | 118,256 | 269,606 | 417 | 1,668,394 | 772,569 |
| 2007[c/] | Non-Indian | 6,785 | 13,435 | 200,687 | 680,385 | 6,266 |
| | Treaty Indian | 120,252 | 209,137 | 301,847 | 782,804 | 6,327 |
| | Total | 127,037 | 222,572 | 502,534 | 1,463,189 | 12,593 |
| 2008[c/] | Non-Indian | 6,103 | 6,464 | 14 | 449,348 | 16,319 |
| | Treaty Indian | 103,181 | 227,273 | 744 | 575,947 | 44,865 |
| | Total | 109,284 | 233,737 | 758 | 1,025,295 | 61,184 |
| 2009[c/] | Non-Indian | 2,753 | 20,091 | 2,789,870 | 294,841 | 1,605 |
| | Treaty Indian | 86,786 | 259,528 | 1,948,562 | 354,963 | 2,949 |
| | Total | 89,539 | 279,619 | 4,738,432 | 649,804 | 4,554 |
| 2010[c/] | Non-Indian | 7,922 | 18,220 | 309 | 416,252 | 749,668 |
| | Treaty Indian | 87,510 | 153,683 | 1,759 | 545,795 | 1,222,590 |
| | Total | 95,432 | 171,903 | 2,068 | 962,047 | 1,972,258 |
| 2011[c/] | Non-Indian | 10,097 | 28,821 | 2,266,672 | 463,116 | 86,908 |
| | Treaty Indian | 100,798 | 223,800 | 2,264,446 | 600,149 | 198,299 |
| | Total | 110,895 | 252,621 | 4,531,118 | 1,063,265 | 285,207 |
| 2012[c/] | Non-Indian | 9,053 | 35,628 | 417 | 576,660 | 41,048 |
| | Treaty Indian | 113,691 | 355,839 | 1,233 | 577,610 | 89,865 |
| | Total | 122,744 | 391,467 | 1,650 | 1,154,270 | 130,913 |
| 2013[c/] | Non-Indian | 9,189 | 29,577 | 3,193,644 | 909,250 | 6,999 |
| | Treaty Indian | 104,682 | 299,493 | 2,716,183 | 817,755 | 31,074 |
| | Total | 113,871 | 329,070 | 5,909,827 | 1,727,005 | 38,073 |
| 2014[c/] | Non-Indian | 4,463 | 11,790 | 17 | 545,756 | 234,193 |
| | Treaty Indian | 58,107 | 189,599 | 684 | 573,893 | 490,973 |
| | Total | 62,570 | 201,389 | 701 | 1,119,649 | 725,166 |

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 | 32,422 | 21,400 | 4 |
| 2009 | 31,305 | 75,719 | 156,901 |
| 2010 | 28,306 | 20,290 | 27 |
| 2011[c/] | 27,507 | 56,775 | 142,781 |
| 2012[c/] | 41,632 | 169,509 | 5 |
| 2013[c/] | 41,681 | 117,622 | 134,539 |
| 2014[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 | 58 | 127 | 185 | 811 | 1,450 | 2,261 | 869 | 1,577 | 2,446 |
| 1986-1990 | 135 | 455 | 590 | 1,276 | 4,755 | 6,031 | 1,411 | 5,210 | 6,621 |
| 1991-1995 | 70 | 110 | 179 | 979 | 2,390 | 3,369 | 1,048 | 2,500 | 3,548 |
| 1996-2000 | 9 | 16 | 25 | 1,193 | 2,236 | 3,429 | 1,201 | 2,252 | 3,454 |
| 2001-2005 | 6 | 11 | 17 | 1,448 | 2,606 | 4,055 | 1,454 | 2,618 | 4,071 |
| 2006 | 8 | 15 | 22 | 1,234 | 3,145 | 4,379 | 1,242 | 3,160 | 4,401 |
| 2007 | 3 | 4 | 7 | 769 | 1,353 | 2,122 | 772 | 1,357 | 2,129 |
| 2008 | 11 | 22 | 34 | 683 | 1,182 | 1,865 | 694 | 1,204 | 1,899 |
| 2009 | 1 | 10 | 12 | 1,530 | 1,254 | 2,784 | 1,531 | 1,264 | 2,796 |
| 2010 | 10 | 21 | 31 | 737 | 1,781 | 2,518 | 747 | 1,802 | 2,549 |
| 2011[d/] | 6 | 16 | 22 | 737 | 2,833 | 3,570 | 743 | 2,849 | 3,592 |
| 2012[d/] | 8 | 11 | 19 | 1,158 | 2,095 | 3,253 | 1,166 | 2,107 | 3,272 |
| 2013[d/] | 7 | 15 | 22 | 2,040 | 4,756 | 6,796 | 2,047 | 4,771 | 6,818 |
| 2014[d/] | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | | 5,300 | | | |
| **Nooksack-Samish** | | | | | | | | | |
| 1981-1985 | 54,062 | 33,672 | 87,734 | 16,083 | 6,562 | 22,645 | 70,145 | 40,234 | 110,379 |
| 1986-1990 | 38,059 | 26,262 | 64,320 | 10,729 | 4,113 | 14,841 | 48,787 | 30,374 | 79,161 |
| 1991-1995 | 18,213 | 2,303 | 20,516 | 8,646 | 740 | 9,386 | 26,859 | 3,042 | 29,901 |
| 1996-2000 | 20,321 | 4,648 | 24,969 | 8,263 | 2,623 | 10,886 | 28,584 | 7,271 | 35,855 |
| 2001-2005 | 10,456 | 15,539 | 25,995 | 3,909 | 7,155 | 11,064 | 14,365 | 22,694 | 37,059 |
| 2006 | 14,058 | 11,323 | 25,381 | 3,856 | 2,699 | 6,555 | 17,914 | 14,022 | 31,936 |
| 2007 | 8,479 | 9,069 | 17,548 | 4,452 | 4,535 | 8,987 | 12,931 | 13,604 | 26,535 |
| 2008 | 11,447 | 7,890 | 19,337 | 6,270 | 3,516 | 9,786 | 17,717 | 11,406 | 29,123 |
| 2009 | 4,113 | 7,238 | 11,351 | 3,494 | 6,054 | 9,548 | 7,607 | 13,292 | 20,899 |
| 2010 | 17,327 | 1,754 | 19,081 | 15,872 | 865 | 16,737 | 33,199 | 2,619 | 35,818 |
| 2011[d/] | 21,054 | 3,336 | 24,390 | 8,506 | 378 | 8,884 | 29,560 | 3,714 | 33,274 |
| 2012[d/] | 22,884 | 2,132 | 25,015 | 6,635 | 445 | 7,080 | 29,519 | 2,577 | 32,095 |
| 2013[d/] | 19,451 | 4,074 | 23,524 | 8,816 | 474 | 9,289 | 28,267 | 4,547 | 32,813 |
| 2014[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 | 597 | 9,183 | 9,780 | 787 | 11,109 | 11,896 | 1,384 | 20,292 | 21,676 |
| 1986-1990 | 251 | 4,039 | 4,290 | 815 | 12,398 | 13,213 | 1,066 | 16,437 | 17,503 |
| 1991-1995 | 464 | 1,586 | 2,049 | 2,402 | 6,280 | 8,682 | 2,866 | 7,865 | 10,731 |
| 1996-2000 | 10 | 463 | 473 | 316 | 10,390 | 10,705 | 326 | 10,852 | 11,179 |
| 2001-2005 | 12 | 806 | 818 | 221 | 17,503 | 17,725 | 233 | 18,310 | 18,543 |
| 2006 | 30 | 1,695 | 1,725 | 368 | 20,768 | 21,136 | 398 | 22,463 | 22,861 |
| 2007 | 54 | 1,657 | 1,712 | 370 | 11,281 | 11,651 | 424 | 12,938 | 13,363 |
| 2008 | 47 | 3,309 | 3,355 | 164 | 11,664 | 11,828 | 211 | 14,973 | 15,183 |
| 2009 | 57 | 5,142 | 5,199 | 77 | 6,979 | 7,056 | 134 | 12,121 | 12,255 |
| 2010 | 15 | 1,678 | 1,693 | 70 | 8,017 | 8,087 | 85 | 9,695 | 9,780 |
| 2011[d/] | 44 | 3,668 | 3,712 | 67 | 5,537 | 5,604 | 111 | 9,205 | 9,316 |
| 2012[d/] | 12 | 1,940 | 1,952 | 82 | 13,817 | 13,899 | 94 | 15,757 | 15,851 |
| 2013[d/] | 14 | 2,069 | 2,083 | 73 | 10,882 | 10,955 | 87 | 12,951 | 13,038 |
| 2014[d/] | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | 14,900 | | | | |
| | | | | | **Hood Canal** | | | | |
| 1981-1985 | 4,925 | 3,665 | 8,590 | 3,786 | 2,038 | 5,823 | 8,710 | 5,703 | 14,413 |
| 1986-1990 | 10,589 | 4,994 | 15,583 | 6,188 | 2,006 | 8,194 | 16,777 | 7,000 | 23,777 |
| 1991-1995 | 1,839 | 1,038 | 2,877 | 3,945 | 1,409 | 5,354 | 5,784 | 2,447 | 8,231 |
| 1996-2000 | 3,629 | 80 | 3,708 | 11,001 | 1,577 | 12,578 | 14,630 | 1,656 | 16,286 |
| 2001-2005 | 17,422 | 592 | 18,015 | 15,116 | 2,535 | 17,652 | 32,539 | 3,128 | 35,667 |
| 2006[d/] | 21,860 | 690 | 22,550 | 15,749 | 1,553 | 17,302 | 37,609 | 2,243 | 39,852 |
| 2007[d/] | 15,254 | 386 | 15,639 | 16,231 | 663 | 16,894 | 31,485 | 1,049 | 32,533 |
| 2008[d/] | 16,092 | 707 | 16,799 | 14,813 | 1,439 | 16,252 | 30,905 | 2,146 | 33,051 |
| 2009[d/] | 20,493 | 688 | 21,180 | 15,281 | 1,341 | 16,622 | 35,774 | 2,029 | 37,802 |
| 2010[d/] | 21,419 | 1,096 | 22,514 | 13,956 | 1,341 | 15,297 | 35,375 | 2,437 | 37,811 |
| 2011[d/] | 34,687 | 1,365 | 36,052 | 15,499 | 1,652 | 17,151 | 50,186 | 3,017 | 53,203 |
| 2012[d/] | 58,321 | 1,753 | 60,075 | 28,256 | 2,000 | 30,256 | 86,577 | 3,753 | 90,331 |
| 2013[d/] | 44,321 | 1,011 | 45,331 | 23,841 | 2,516 | 26,357 | 68,162 | 3,527 | 71,688 |
| 2014[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 | 3,253 | 7,497 | 10,750 | 1,990 | 4,901 | 6,891 | 5,244 | 12,397 | 17,641 |
| 1986-1990 | 3,840 | 3,698 | 7,538 | 1,148 | 5,210 | 6,358 | 4,988 | 8,908 | 13,897 |
| 1991-1995 | 4,277 | 1,359 | 5,636 | 2,253 | 4,371 | 6,624 | 6,530 | 5,731 | 12,260 |
| 1996-2000 | 5,924 | 4,281 | 10,204 | 5,543 | 6,813 | 12,357 | 11,467 | 11,094 | 22,561 |
| 2001-2005 | 2,945 | 3,974 | 6,919 | 3,757 | 8,463 | 12,220 | 6,702 | 12,437 | 19,139 |
| 2006 | 5,304 | 576 | 5,880 | 4,017 | 9,562 | 13,579 | 9,321 | 10,138 | 19,459 |
| 2007 | 5,752 | 284 | 6,036 | 6,222 | 4,769 | 10,991 | 11,974 | 5,053 | 17,027 |
| 2008 | 3,577 | 157 | 3,734 | 5,720 | 10,155 | 15,875 | 9,297 | 10,312 | 19,609 |
| 2009 | 1,245 | 73 | 1,318 | 2,422 | 3,323 | 5,745 | 3,667 | 3,396 | 7,063 |
| 2010 | 2,774 | 167 | 2,941 | 3,281 | 5,168 | 8,449 | 6,055 | 5,335 | 11,390 |
| 2011[d/] | 4,157 | 199 | 4,356 | 3,665 | 3,040 | 6,705 | 7,822 | 3,239 | 11,061 |
| 2012[d/] | 403 | 48 | 450 | 6,353 | 5,458 | 11,811 | 6,756 | 5,506 | 12,261 |
| 2013[d/] | 901 | 851 | 1,752 | 5,253 | 4,778 | 10,031 | 6,154 | 5,629 | 11,783 |
| 2014[d/] | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| GOAL | | | | | 7,300 | | | | |
| | | | | **South Puget Sound** | | | | | |
| 1981-1985 | 23,472 | 8,740 | 32,213 | 23,341 | 6,371 | 29,712 | 46,813 | 15,111 | 61,925 |
| 1986-1990 | 30,029 | 22,654 | 52,684 | 36,997 | 18,108 | 55,106 | 67,027 | 40,762 | 107,789 |
| 1991-1995 | 21,860 | 13,438 | 35,298 | 30,556 | 14,488 | 45,044 | 52,416 | 27,926 | 80,342 |
| 1996-2000 | 15,271 | 10,535 | 25,805 | 36,157 | 23,280 | 59,437 | 51,428 | 33,815 | 85,243 |
| 2001-2005 | 23,522 | 13,889 | 37,411 | 46,563 | 23,647 | 70,209 | 70,085 | 37,536 | 107,621 |
| 2006 | 41,379 | 16,112 | 57,491 | 63,541 | 22,691 | 86,232 | 104,920 | 38,803 | 143,723 |
| 2007 | 64,809 | 13,785 | 78,594 | 75,549 | 16,275 | 91,824 | 140,358 | 30,060 | 170,418 |
| 2008 | 45,104 | 20,327 | 65,431 | 47,042 | 15,661 | 62,703 | 92,146 | 35,989 | 128,134 |
| 2009 | 33,327 | 6,150 | 39,478 | 38,486 | 7,671 | 46,157 | 71,813 | 13,821 | 85,634 |
| 2010 | 29,094 | 6,519 | 35,613 | 50,157 | 9,290 | 59,447 | 79,251 | 15,809 | 95,060 |
| 2011[d/] | 26,188 | 11,413 | 37,601 | 40,935 | 9,178 | 50,113 | 67,123 | 20,591 | 87,714 |
| 2012[d/] | 22,168 | 5,838 | 28,006 | 39,753 | 17,165 | 56,918 | 61,921 | 23,003 | 84,924 |
| 2013[d/] | 25,116 | 11,261 | 36,376 | 50,428 | 10,932 | 61,360 | 75,544 | 22,193 | 97,736 |
| 2014[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 | Commercial Net Catches[c/] | | | Spawning Escapement | | | Terminal Run Size[c/] | | |
|---|---|---|---|---|---|---|---|---|---|
| Average | 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 | 4,117 | 811 | 4,928 | 10,276 | 12,951 | 23,227 | 15,355 | 13,999 | 29,354 |
| 2001 | 10,694 | 2,727 | 13,421 | 24,768 | 35,274 | 60,042 | 41,381 | 39,552 | 80,933 |
| 2002 | 7,680 | 1,882 | 9,562 | 10,398 | 22,375 | 32,773 | 19,894 | 24,663 | 44,557 |
| 2003 | 2,908 | 1,100 | 4,008 | 15,004 | 20,992 | 35,996 | 18,742 | 22,311 | 41,053 |
| 2004 | 3,612 | 862 | 4,474 | 5,461 | 20,986 | 26,447 | 9,956 | 22,194 | 32,150 |
| 2005 | 3,295 | 762 | 4,057 | 4,123 | 11,102 | 15,225 | 8,195 | 12,052 | 20,247 |
| 2006 | 845 | 220 | 1,065 | 596 | 3,940 | 4,536 | 1,665 | 4,224 | 5,889 |
| 2007 | 2,589 | 887 | 3,476 | 2,026 | 8,045 | 10,071 | 5,148 | 9,099 | 14,247 |
| 2008 | 663 | 169 | 832 | 692 | 3,339 | 4,031 | 1,373 | 3,511 | 4,884 |
| 2009 | 6,876 | 0 | 6,876 | 12,973 | 14,957 | 27,930 | 20,786 | 14,957 | 35,743 |
| 2010 | 2,521 | 75 | 2,596 | 4,286 | 19,282 | 23,568 | 6,583 | 20,037 | 26,620 |
| 2011 | 4,544 | 17,068 | 21,612 | 7,293 | 14,752 | 22,045 | 15,690 | 65,685 | 81,375 |
| 2012[d/] | 4,152 | 1,197 | 5,349 | 5,554 | 14,951 | 20,505 | 10,407 | 16,369 | 26,776 |
| 2013[d/] | 1,599 | 503 | 2,102 | 4,359 | 7,301 | 11,660 | 7,049 | 8,104 | 15,153 |
| 2014[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 | 36,169 | 5,272 | 41,441 | 36,920 | 7,611 | 44,530 | 75,056 | 13,577 | 88,633 |
| 2001 | 49,326 | 25,816 | 75,142 | 49,788 | 27,512 | 77,300 | 102,822 | 55,103 | 157,925 |
| 2002 | 34,705 | 16,746 | 51,451 | 45,161 | 20,313 | 65,474 | 81,534 | 38,996 | 120,530 |
| 2003 | 34,084 | 9,281 | 43,365 | 35,482 | 14,168 | 49,650 | 71,216 | 23,914 | 95,130 |
| 2004 | 70,851 | 18,771 | 89,622 | 27,625 | 11,591 | 39,216 | 99,330 | 30,671 | 130,001 |
| 2005 | 20,080 | 15,496 | 35,576 | 25,211 | 2,187 | 27,398 | 46,014 | 17,934 | 63,948 |
| 2006 | 16,932 | 4,846 | 21,778 | 8,533 | 845 | 9,378 | 25,644 | 5,966 | 31,610 |
| 2007 | 19,724 | 15,123 | 34,847 | 14,782 | 11,205 | 25,987 | 35,274 | 26,578 | 61,852 |
| 2008 | 26,260 | 2,858 | 29,118 | 6,067 | 990 | 7,057 | 32,612 | 4,055 | 36,667 |
| 2009 | 39,194 | 5,038 | 44,232 | 12,000 | 2,085 | 14,085 | 51,519 | 7,302 | 58,821 |
| 2010 | 58,127 | 38,714 | 96,841 | 15,384 | 24,582 | 39,966 | 74,396 | 63,570 | 137,966 |
| 2011 | 59,100 | 9,723 | 68,823 | 15,817 | 2,228 | 18,045 | 76,261 | 12,312 | 88,573 |
| 2012[d/] | 43,571 | 16,197 | 59,768 | 16,726 | 9,600 | 26,326 | 62,885 | 25,825 | 88,710 |
| 2013[d/] | 69,409 | 20,541 | 89,950 | 19,135 | 20,494 | 39,629 | 89,874 | 41,078 | 130,952 |
| 2014[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 | 738 | 5,909 | 6,647 | 10,166 | 42,139 | 52,306 | 11,251 | 50,571 | 61,822 |
| 2001 | 1,658 | 17,933 | 19,591 | 16,852 | 87,017 | 103,869 | 20,390 | 115,647 | 136,037 |
| 2002 | 2,204 | 11,742 | 13,946 | 19,098 | 55,968 | 75,066 | 22,241 | 70,754 | 92,995 |
| 2003 | 3,803 | 19,034 | 22,837 | 8,587 | 88,712 | 97,299 | 13,098 | 114,384 | 127,482 |
| 2004 | 7,493 | 27,884 | 35,377 | 11,822 | 118,490 | 130,312 | 19,844 | 151,013 | 170,857 |
| 2005 | 3,249 | 16,054 | 19,303 | 12,139 | 34,713 | 46,852 | 16,086 | 53,080 | 69,166 |
| 2006 | 1,148 | 4,288 | 5,436 | 1,927 | 7,702 | 9,629 | 3,276 | 12,797 | 16,073 |
| 2007 | 1,833 | 15,098 | 16,931 | 11,536 | 51,972 | 63,508 | 14,276 | 71,159 | 85,435 |
| 2008 | 1,781 | 6,856 | 8,637 | 11,062 | 24,093 | 35,155 | 13,342 | 32,036 | 45,378 |
| 2009 | 1,947 | 7,572 | 9,519 | 11,018 | 60,798 | 71,816 | 13,720 | 72,677 | 86,397 |
| 2010 | 2,062 | 23,062 | 25,124 | 4,570 | 31,090 | 35,660 | 6,994 | 56,616 | 63,610 |
| 2011 | 4,544 | 17,068 | 21,612 | 9,869 | 43,042 | 52,911 | 15,690 | 65,685 | 81,375 |
| 2012[d/] | 2,452 | 17,756 | 20,208 | 10,633 | 97,151 | 107,784 | 13,819 | 122,470 | 136,289 |
| 2013[d/] | 3,274 | 19,199 | 22,473 | 14,830 | 86,974 | 101,804 | 20,555 | 120,552 | 141,107 |
| 2014[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 | 5,969 | 6,841 | 12,810 | 23,067 | 55,411 | 78,478 | 30,110 | 62,967 | 93,077 |
| 2001 | 10,320 | 10,342 | 20,662 | 39,237 | 94,579 | 133,816 | 68,478 | 110,005 | 178,483 |
| 2002 | 9,759 | 8,382 | 18,141 | 39,330 | 69,296 | 108,626 | 58,795 | 81,031 | 139,826 |
| 2003 | 9,625 | 23,788 | 33,413 | 33,221 | 172,345 | 205,566 | 51,243 | 199,871 | 251,114 |
| 2004 | 19,381 | 67,307 | 86,688 | 27,171 | 146,873 | 174,044 | 55,851 | 219,694 | 275,545 |
| 2005 | 34,877 | 26,835 | 61,712 | 33,991 | 38,066 | 72,057 | 77,655 | 68,303 | 145,958 |
| 2006 | 24,542 | 34,126 | 58,668 | 3,883 | 13,665 | 17,548 | 32,106 | 49,718 | 81,824 |
| 2007 | 19,357 | 29,356 | 48,713 | 8,540 | 46,658 | 55,198 | 30,222 | 78,586 | 108,808 |
| 2008 | 27,332 | 12,720 | 40,052 | 8,044 | 11,756 | 19,800 | 38,492 | 25,814 | 64,306 |
| 2009 | 43,391 | 14,167 | 57,558 | 11,421 | 26,927 | 38,348 | 59,148 | 42,418 | 101,566 |
| 2010 | 15,441 | 8,003 | 23,444 | 8,627 | 4,697 | 13,324 | 25,048 | 12,908 | 37,956 |
| 2011 | 41,233 | 33,427 | 74,660 | 19,074 | 24,844 | 43,918 | 68,033 | 61,318 | 129,351 |
| 2012[d/] | 45,491 | 47,398 | 92,889 | 16,419 | 25,129 | 41,548 | 69,322 | 76,207 | 145,529 |
| 2013[d/] | 53,046 | 21,446 | 74,492 | 19,291 | 25,684 | 44,975 | 80,149 | 50,077 | 130,226 |
| 2014[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 | 18 | 1,286 | 1,303 | 35 | 16,770 | 16,806 | 62 | 19,273 | 19,335 |
| 2001 | 21 | 3,728 | 3,749 | 100 | 74,773 | 74,873 | 129 | 81,839 | 81,968 |
| 2002 | 5 | 2,622 | 2,627 | 60 | 27,305 | 27,365 | 67 | 30,395 | 30,462 |
| 2003 | 1 | 1,454 | 1,455 | 24 | 45,691 | 45,715 | 26 | 49,817 | 49,843 |
| 2004 | 14 | 7,391 | 7,405 | 128 | 65,228 | 65,356 | 145 | 73,861 | 74,006 |
| 2005 | 5 | 2,702 | 2,707 | 44 | 25,141 | 25,185 | 51 | 29,146 | 29,197 |
| 2006 | 0 | 2,845 | 2,845 | 0 | 8,549 | 8,549 | 0 | 11,780 | 11,780 |
| 2007 | 15 | 3,637 | 3,652 | 160 | 38,732 | 38,892 | 187 | 45,181 | 45,368 |
| 2008 | 1 | 2,243 | 2,244 | 5 | 12,938 | 12,943 | 6 | 15,346 | 15,352 |
| 2009 | 0 | 2,284 | 2,284 | 0 | 22,179 | 22,179 | 0 | 27,380 | 27,380 |
| 2010 | 7 | 568 | 575 | 71 | 15,172 | 15,243 | 80 | 16,199 | 16,279 |
| 2011 | 19 | 6,171 | 6,190 | 155 | 49,991 | 50,146 | 183 | 59,021 | 59,204 |
| 2012[d/] | 17 | 3,708 | 3,725 | 101 | 45,156 | 45,257 | 154 | 52,518 | 52,672 |
| 2013[d/] | 0 | 5,676 | 5,676 | 0 | 60,387 | 60,387 | 0 | 71,632 | 71,632 |
| 2014[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 | 31,493 | 4,900 | 36,393 | 21,206 | 83,292 | 104,498 | 55,392 | 97,133 | 152,525 |
| 2001 | 58,354 | 13,409 | 71,763 | 37,222 | 261,550 | 298,772 | 100,574 | 294,379 | 394,953 |
| 2002 | 49,482 | 15,733 | 65,215 | 11,798 | 161,441 | 173,239 | 64,069 | 185,092 | 249,161 |
| 2003 | 1,996 | 5,836 | 7,832 | 14,901 | 182,599 | 197,500 | 18,311 | 199,906 | 218,217 |
| 2004 | 52,032 | 29,168 | 81,200 | 13,856 | 252,767 | 266,623 | 66,966 | 291,458 | 358,424 |
| 2005 | 21,867 | 11,856 | 33,723 | 13,583 | 109,020 | 122,603 | 36,676 | 127,890 | 164,566 |
| 2006 | 4,898 | 24,081 | 28,979 | 6,136 | 75,630 | 81,766 | 11,224 | 102,050 | 113,274 |
| 2007 | 15,248 | 10,984 | 26,232 | 7,126 | 117,736 | 124,862 | 23,207 | 136,680 | 159,887 |
| 2008 | 31,224 | 6,521 | 37,745 | 3,329 | 36,015 | 39,344 | 34,744 | 44,603 | 79,347 |
| 2009 | 19,495 | 8,855 | 28,350 | 11,472 | 98,945 | 110,417 | 33,161 | 115,650 | 148,811 |
| 2010 | 1,402 | 327 | 1,729 | 3,030 | 49,100 | 52,130 | 3,493 | 52,383 | 55,876 |
| 2011 | 5,300 | 9,923 | 15,223 | 7,747 | 111,374 | 119,121 | 13,743 | 131,275 | 145,018 |
| 2012[d/] | 43,106 | 9,059 | 52,165 | 10,441 | 130,637 | 141,078 | 56,904 | 153,123 | 210,027 |
| 2013[d/] | 37,647 | 10,737 | 48,384 | 10,471 | 115,847 | 126,318 | 49,860 | 147,780 | 197,640 |
| 2014[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 | 57,648 | 29,324 | 86,972 | 73,685 | 28,337 | 102,022 | 140,763 | 62,893 | 203,656 |
| 2001 | 110,328 | 60,548 | 170,876 | 127,179 | 37,688 | 164,867 | 261,942 | 107,969 | 369,911 |
| 2002 | 96,471 | 34,214 | 130,685 | 115,145 | 18,296 | 133,441 | 223,889 | 55,536 | 279,425 |
| 2003 | 95,300 | 32,510 | 127,810 | 94,890 | 51,654 | 146,544 | 210,062 | 94,350 | 304,412 |
| 2004 | 172,372 | 48,095 | 220,467 | 133,614 | 43,147 | 176,761 | 317,083 | 98,809 | 415,892 |
| 2005 | 109,652 | 32,146 | 141,798 | 83,761 | 33,620 | 117,381 | 206,249 | 72,449 | 278,698 |
| 2006 | 114,496 | 29,436 | 143,932 | 47,625 | 21,449 | 69,074 | 166,886 | 55,795 | 222,681 |
| 2007 | 61,483 | 24,192 | 85,675 | 55,407 | 31,224 | 86,631 | 126,413 | 63,775 | 190,188 |
| 2008 | 98,520 | 13,830 | 112,350 | 52,340 | 17,797 | 70,137 | 156,906 | 35,642 | 192,548 |
| 2009 | 82,117 | 23,638 | 105,755 | 53,969 | 25,997 | 79,966 | 156,534 | 65,754 | 222,288 |
| 2010 | 17,443 | 7,293 | 24,736 | 20,309 | 10,366 | 30,675 | 40,725 | 19,898 | 60,623 |
| 2011 | 6,357 | 10,698 | 17,055 | 50,190 | 34,944 | 85,134 | 87,897 | 64,552 | 152,449 |
| 2012[d/] | 96,887 | 37,766 | 134,653 | 93,097 | 38,803 | 131,900 | 217,090 | 92,834 | 309,924 |
| 2013[d/] | 85,657 | 37,558 | 123,215 | 60,178 | 29,921 | 90,099 | 145,836 | 67,484 | 213,320 |
| 2014[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/] | 0 | 2,041 | 2,041 | 0 | 27,615 | 27,615 | 0 | 29,656 | 29,656 |
| 2013[d/] | 8 | 21,377 | 21,385 | 157 | 409,458 | 409,615 | 165 | 430,835 | 431,000 |
| 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/] | 61 | 11,459 | 11,520 | 285 | 53,852 | 54,137 | 346 | 65,311 | 65,657 |
| 2013[d/] | 0 | 100,455 | 100,455 | 0 | 224,000 | 224,000 | 0 | 324,455 | 324,455 |
| 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/] | 0 | 83,996 | 83,996 | 0 | 1,222,431 | 1,222,431 | 0 | 1,306,427 | 1,306,427 |
| 2013[d/] | 0 | 378,550 | 378,550 | 0 | 560,000 | 560,000 | 0 | 938,550 | 938,550 |
| 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/] | 4,938 | 1,249 | 6,187 | 17,792 | 14,974 | 32,766 | 22,730 | 16,223 | 38,953 |
| 2013[d/] | 2,114 | 10,694 | 12,808 | 4,904 | 195,601 | 200,505 | 7,018 | 206,295 | 213,313 |
| 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/] | 0 | 517,757 | 517,757 | 0 | 612,903 | 612,903 | 0 | 1130660 | 1,130,660 |
| 2013[d/] | 0 | 1,150,409 | 1,150,409 | 0 | 2,153,569 | 2,153,569 | 0 | 3303978 | 3,303,978 |
| 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/] | 0 | 296,388 | 296,388 | 0 | 2,422,575 | 2,422,575 | 0 | 2,718,963 | 2,718,963 |
| 2013[d/f/g/] | 0 | 309,752 | 309,752 | 0 | 2,172,795 | 2,172,795 | 0 | 2,482,547 | 2,482,547 |
| 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 total 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.

| | Stock | | | | | | |
|---|---|---|---|---|---|---|---|
| | Skagit | | NF Nooksack | | SF Nooksack | White River | Quilcene |
| Year or Average | 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 | 288 | 1,550 | 4 |
| 2000 | 1,102 | 1,021 | 2,052 | 1,242 | 373 | 2,864 | 0 |
| 2001 | 1,566 | 1,856 | 5,363 | 2,185 | 420 | 3,398 | 0 |
| 2002[e/] | 1,663 | 1,065 | 5,649 | 3,741 | 625 | 1,761 | 0 |
| 2003[e/] | 1,545 | 844 | 5,046 | 2,857 | 570 | 2,937 | 0 |
| 2004[e/] | 3,107 | 1,575 | 3,501 | 1,719 | 170 | 3,088 | 0 |
| 2005[e/] | 2,258 | 1,246 | 1,569 | 2,047 | 230 | 3,687 | 0 |
| 2006[e/] | 1,487 | 1,896 | 732 | 1,184 | 515 | 4,137 | 0 |
| 2007[e/] | 1,931 | 613 | 665 | 1,438 | 323 | 8,200 | 0 |
| 2008[e/] | 1,462 | 1,470 | 1,194 | 1,266 | 443 | 3,927 | 0 |
| 2009[e/] | 900 | 978 | 812 | 1,903 | 453 | 2,200 | 0 |
| 2010[e/] | 1,371 | 1,361 | 1,279 | 2,044 | 548 | 2,193 | 0 |
| 2011[e/] | 1,301 | 825 | 1,404 | 865 | 470 | 3,292 | 0 |
| 2012[e/] | 1,579 | 2,763 | 1,215 | 758 | 508 | 4,096 | 0 |
| 2013[e/] | 1,256 | 1,960 | 2,297 | 1,347 | 243 | 6,597 | 0 |
| 2014[e/] | NA | NA | 1,988 | NA | NA | 2,481 | 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 the Buckley Trap.

d/ Program has been discontinued.

e/ Preliminary.

Page Intentionally Left Blank

## APPENDIX C
## HISTORICAL RECORD OF OCEAN SALMON FISHERY REGULATIONS AND A CHRONOLOGY OF 2014 EVENTS

### LIST OF TABLES

Page Intentionally Left Blank

TABLE C-1. Summary of actual California commercial salmon seasons in state and federal (EEZ) waters.[a/] (Page 1 of 2)

| | | Seasons | | Number of Days | | Minimum Size Limit (in.) | | |
|---|---|---|---|---|---|---|---|---|
| Year | Area | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho | Other Restrictions |
| **2011** | 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. |
| | 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 | - | 31 | - | 27 | - | |
| | | June 25-July 5 | - | 11 | - | 27 | - | |
| | | July 9-13, 16-20, 23-27 | - | 15 | - | 27 | - | |
| | | July 29-Aug. 29 | - | 32 | - | 27 | - | |
| | | Sept. 1-30 | - | 30 | - | 27 | - | |
| | Pt. Reyes to Pt. San Pedro | Oct. 3-7, 10-14 | - | 10 | - | 27 | - | 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 fish must be landed south of Pt. San Pedro. |
| | | June 25-July 5 | - | 11 | - | 27 | - | |
| | | July 9-13, 16-20, 23-27 | - | 15 | - | 27 | - | |
| | | July 29-Aug. 29 | - | 32 | - | 27 | - | |
| **2012** | OR/CA Border to Humboldt South Jetty | Sept. 15-19 | - | 5 | - | 27 | - | 6,000 Chinook quota; 25 Chinook per vessel per day landing limit. All fish must be landed within the area. |
| | Horse Mt. to Pt. Arena | July 11-Aug.29 | - | 50 | - | 27 | - | |
| | | Sept. 1-30 | - | 30 | - | 27 | - | All fish caught in the area must be landed north of Pt. Arena. When the California KMZ fishery is open, all fish must be landed between Horse Mt. and Pt. Arena. |
| | Pt. Arena to Pt. Sur | May 1-June 4 | - | 35 | - | 27 | - | |
| | | June 27-Aug. 29 | - | 64 | - | 27 | - | |
| | | Sept. 1-30 | - | 30 | - | 26 | - | All fish caught in the area must be landed south of Pt. Arena. |
| | Pt. Reyes to Pt. San Pedro | Oct. 1-5, 8-12 | - | 10 | - | 26 | - | All fish must be landed between Pt. Arena and Pigeon Pt. |
| | Pt. Sur to U.S./Mexico Border | May 1-June 4 | - | 35 | - | 27 | - | |
| | | June 5-26 | - | 22 | - | 27 | - | All fish must be landed south of Pt. San Pedro. |
| | | June 27-Aug. 29 | - | 64 | - | 27 | - | |
| | | Sept. 1-30 | - | 30 | - | 26 | - | All fish caught in the area must be landed south of Pt. Arena. |

TABLE C-1. Summary of actual California commercial salmon seasons in state and Federal (EEZ) waters.[a/] (Page 2 of 2)

| Year | Area | Seasons: All-Salmon-Except-Coho | Seasons: All Salmon | Number of Days: All-Salmon-Except-Coho | Number of Days: All Salmon | Minimum Size Limit (in.): Chinook | Minimum Size Limit (in.): Coho | Other Restrictions |
|---|---|---|---|---|---|---|---|---|
| **2013** | OR/CA Border to Humboldt South Jetty | May 1-10 | - | 10 | - | 27 | - | 3,000 Chinook quota; 20 Chinook per vessel per day landing limit. |
| | | June 1-9, 11 | - | 10 | - | 27 | - | 3,352 Chinook quota; 20 Chinook per vessel per day landing limit. |
| | | July 15-21 | - | 7 | - | 27 | - | 2,547 Chinook quota; 20 Chinook per vessel per day landing limit. |
| | | Aug. 1-3 | - | 3 | - | 27 | - | 1,692 Chinook quota; 20 Chinook per vessel per day landing limit. |
| | | Sept. 16-30 | - | 15 | - | 27 | - | 6,000 Chinook quota; 20 Chinook per vessel per day landing limit. |
| | Horse Mt. to Pt. Arena | May 22-31 | - | 10 | - | 27 | - | All fish caught in the area must be landed |
| | | June 1-8, 21-30 | - | 18 | - | 27 | - | south of Horse Mt. whenever KMZ quota |
| | | July 15-Aug. 29 | - | 46 | - | 27 | - | fishery is open during May through Sept. |
| | | Sept. 1-30 | - | 30 | - | 27 | - | All fish caught in the area must be landed north of Pt. Arena during Sept. |
| | Pt. Arena to U.S./Mexico Border | May 1-31 | - | 31 | - | 27 | - | |
| | | June 1-8, 21-30 | - | 18 | - | 27 | - | |
| | | July 15-Aug. 29 | - | 46 | - | 27 | - | |
| | | Sept. 1-30 | - | 30 | - | 26 | - | All fish caught in the area must be landed south of Pt. Arena during Sept. |
| | Pt. Reyes to Pt. San Pedro | Oct. 1-4, 7-11, 14-15 | - | 11 | - | 26 | - | All fish must be landed between Pt. Arena and Pigeon Pt. during Oct. |
| **2014**[b/] | OR/CA Border to Humboldt South Jetty | Sept. 12-16, 19-23, 26-30 | - | 15 | - | 27 | - | 4,000 Chinook quota; 20 Chinook per vessel per day landing limit through Sept. 16, 30 Chinook thereafter. |
| | Horse Mt. to Pt. Arena | June 19-30 | - | 12 | - | 27 | - | |
| | | July 15-Aug. 29 | - | 46 | - | 27 | - | |
| | | Sept. 1-30 | - | 30 | - | 27 | - | All fish caught in the area must be landed north of Pt. Arena during Sept. When the KMZ fishery is open, all fish must be landed south of Horse Mt. |
| | Pt. Arena to Pigeon Pt. | May 1-June 30 | - | 61 | - | 27 | - | |
| | | July 15-Aug. 29 | - | 46 | - | 27 | - | |
| | | Sept. 1-30 | - | 30 | - | 26 | - | All fish caught in the area must be landed south of Pt. Arena during Sept. |
| | Pt. Reyes to Pt. San Pedro | Oct. 1-3, 6-10, 13-15 | - | 11 | - | 26 | - | All fish must be landed between Pt. Arena and Pigeon Pt. during Oct. |
| | Pigeon Pt. to U.S./Mexico Border | May 1-June 30 | - | 61 | - | 27 | - | |
| | | July 15-Aug. 13 | - | 30 | - | 27 | - | |

a/ For earlier years, see Review of 2013 Ocean Salmon Fisheries, Appendix C, Table C-1.
b/ For detailed regulations and inseason adjustments, see Tables I-1 and C-9.

TABLE C-2. Summary of actual California recreational ocean salmon regulations.[a/] (Page 1 of 1)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) Chinook | Coho | Other Restrictions |
|---|---|---|---|---|---|---|---|
| **2011** | 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 | - | |
| **2012** | OR/CA Border to Horse Mt. | May 1-Sept. 9 | 132 | 2 | 20 | - | |
| | Horse Mt. to Pt. Arena | Apr. 7-Nov. 11 | 219 | 2 | 20 | - | |
| | Pt. Arena to Pigeon Pt. | Apr. 7-July 5 | 90 | 2 | 24 | - | |
| | | July 6-Nov. 11 | 129 | 2 | 20 | - | |
| | Pigeon Pt. to U.S./Mexico Border | Apr. 7-July 5 | 90 | 2 | 24 | - | |
| | | July 6 -Oct. 7 | 94 | 2 | 20 | - | |
| **2013** | OR/CA Border to Horse Mt. | May 1-Sept. 8 | 131 | 2 | 20 | - | |
| | Horse Mt. to Pt. Arena | Apr. 6-Nov. 10 | 219 | 2 | 20 | - | |
| | Pt. Arena to Pigeon Pt. | Apr. 6-July 31 | 105 | 2 | 24 | - | Closed Monday-Tuesday June 1 through July 9. |
| | | Aug. 1-Nov. 10 | 102 | 2 | 20 | - | |
| | Pigeon Pt. to U.S./Mexico Border | Apr. 6-Oct. 6 | 172 | 2 | 24 | - | Closed Monday-Tuesday June 1 through July 9. |
| **2014**[b/] | OR/CA Border to Horse Mt. | May 10-Sept. 7 | 121 | 2 | 24 | - | |
| | Horse Mt. to Pt. Arena | Apr. 5-Nov. 9 | 219 | 2 | 20 | - | |
| | Pt. Arena to Pigeon Pt. | Apr. 5-June 30 | 87 | 2 | 24 | - | |
| | | July 1-Nov. 9 | 132 | 2 | 20 | - | |
| | Pigeon Pt. to U.S./Mexico Border | Apr. 5-Oct. 5 | 184 | 2 | 24 | - | |

a/ For earlier years, see Review of 2013 Ocean Salmon Fisheries, Appendix C, Table C-2.
b/ For detailed regulations and inseason adjustments, see Tables I-3 and C-9.

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and federal (EEZ) waters.[a/] (Page 1 of 5)

| | | Seasons | | Number of Days | | Minimum Size Limit (in.) | | |
|---|---|---|---|---|---|---|---|---|
| Year | Area | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho | Other Restrictions |
| **2011** | WA/OR Border to Cape Falcon | May 1-June 21 | - | - | 52 | 28 | - | Seven days per week, no landing limits. |
| | | June 23-30 | - | - | 8 | 28 | - | 30 Chinook per vessel per open period |
| | | - | July 1-5, 8-12 | - | 10 | 28 | 16 | 50 Chinook and 50 marked coho per vessel per open period |
| | | - | July 15-19, 22-26, July 29-Aug. 2, Aug. 5-9 | - | 20 | 28 | 16 | 30 Chinook and 50 marked coho per vessel per open period |
| | | | Aug. 19 | | 1 | 28 | 16 | 12 Chinook and 50 marked coho per vessel per open period |
| | | | Aug. 27-29 | | 3 | 28 | 16 | 12 Chinook and 75 marked coho per vessel per open period |
| | | | Sept. 3-6, 10-13 | | 8 | 28 | 16 | 20 Chinook and 100 marked coho per vessel per open period |
| | Cape Falcon to Humbug Mt. | Apr. 15-July 9, July 17-Aug. 31 | - | - | 132 | 28 | - | |
| | | October 1-31 | - | - | 31 | 28 | - | 50 Chinook per calendar week vessel limit. |
| | Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area) | Sept. 1-30 | - | - | 30 | 28 | - | 25 Chinook per day vessel limit. Landings restricted to Garibaldi. |
| | 43º31'00" N Lat. South to 43º16'00" N Lat. inside 30 fm and 43º16'00" N Lat. South to Crooked Cr. (43°04'50" N Lat.) inside 3 nm (Coos/Coquille Area) | Sept. 1-30 | - | - | 30 | 28 | - | 50 Chinook per day vessel limit. Landings restricted to Coos Bay, Charleston, and Bandon. |
| | Cape Blanco to Humbug Mt. (Elk River Area) Inside of a line from Cape Blanco to Black Rock to Best Rock to 42º40'30" N Lat. 124º29'00" W Long. to Humbug Mt. | Nov. 1-30 | - | - | 30 | 24 | - | 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.[a/] (Page 2 of 5)

| Year | Area | Seasons: All-Salmon-Except-Coho | Seasons: All Salmon | Seasons: All-Salmon-Except.-Chin. | Number of Days | Minimum Size Limit (in.): Chinook | Minimum Size Limit (in.): Coho[b/] | Other Restrictions |
|---|---|---|---|---|---|---|---|---|
| **2011** | Humbug Mt. to OR/CA Border | May 1-31 | - | - | 31 | 28 | - | or Brookings. |
| Cont. | | 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 | 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. |
| **2012** | WA/OR Border to Cape Falcon | May 1-June 20 | - | - | 51 | 28 | - | Seven days per week, no landing limits. |
| | | June 22-29 | - | - | 8 | 28 | - | 35 Chinook per vessel per open period |
| | | - | July 1-4, 6-10, 13-17 | - | 14 | 28 | 16 | 20 Chinook and 40 marked coho per vessel per open period |
| | | - | July 20-24 | - | 5 | 28 | 16 | 50 Chinook and 35 marked coho per vessel per open period |
| | | - | July 27-31 | - | 5 | 28 | 16 | 60 Chinook and 35 marked coho per vessel per open period |
| | | - | Aug. 3-7, 10-14 | - | 10 | 28 | 16 | 90 Chinook and 35 marked coho per vessel per open period |
| | | - | Aug. 17-21, 24-28 | - | 10 | 28 | 16 | 120 Chinook and 40 marked coho per vessel per open period |
| | | - | Aug. 31 - Sept 4 | - | 5 | 28 | 16 | 150 Chinook and 40 marked coho per vessel per open period |
| | | | Sept. 7-11, 14-18 | | 10 | 28 | 16 | 150 Chinook and 50 coho (non-mark-selective) per vessel per open period |
| | Cape Falcon to Humbug Mt. | Apr. 1-Aug. 29, July 17-Aug. 31 | - | - | 151 | 28 | - | |
| | | Sept. 5 - Oct. 31 | - | - | 57 | 28 | - | 100 Chinook per calendar week vessel limit. |
| | Cape Blanco to Humbug Mt. (Elk River Area) Inside of a line from Cape Blanco to Black Rock to Best Rock to 42º40'30" N Lat. 124º29'00" W Long. to Humbug Mt. | Nov. 1-30 | - | - | 30 | 26 | - | 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.[a/] (Page 3 of 5)

| Year | Area | Seasons: All-Salmon-Except-Coho | Seasons: All Salmon | Seasons: All-Salmon-Except.-Chin. | Number of Days | Minimum Size Limit (in.): Chinook | Minimum Size Limit (in.): Coho[b/] | Other Restrictions |
|---|---|---|---|---|---|---|---|---|
| | Humbug Mt. to OR/CA Border | April 1 - May 31 | - | - | 61 | 28 | - | Landings restricted to the State of Oregon. |
| | | June 1-30 | - | - | 30 | 28 | - | 2,000 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 | - | 1,500 quota; 30 Chinook per day vessel limit. Landings restricted to Gold Beach, Port Orford, or Brookings; mandatory phone or email trip reports. |
| | | Aug. 1-6 | - | - | 6 | 28 | - | 915 quota; 30 Chinook per day vessel limit. Landings restricted to Gold Beach, Port Orford, or Brookings; mandatory phone or email trip reports. |
| | | Sept. 5-7 | - | - | 3 | 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 Chinook quota; 20 Chinook per day per vessel landing limit; landings restricted to Brookings; mandatory phone or email trip |
| **2013** | WA/OR Border to Cape Falcon | May 1-June 30 | - | - | 61 | 28 | - | Seven days per week, no landing limits. |
| | | - | July 1-9 | - | 9 | 28 | 16 | 50 Chinook and 40 marked coho per vessel per open period |
| | | - | July 12-16, July 19-23, July 26-30, Aug. 2-6 | - | 20 | 28 | 16 | 100 Chinook and 40 marked coho per vessel per open period |
| | | - | Aug. 9-13, Aug. 16-20 | - | 10 | 28 | 16 | 150 Chinook and 80 marked coho per vessel per open period |
| | | - | Aug. 30-Sept. 3 | - | 5 | 28 | 16 | 35 Chinook and 40 marked coho per vessel per open period |
| | | - | Sept. 6-10, Sept. 13-17 | - | 10 | 28 | 16 | 75 Chinook and 50 marked coho per vessel per open period |
| | Cape Falcon to Humbug Mt. | Apr. 1 - Aug. 29 | - | - | 151 | 28 | - | |
| | | Sept. 4 - Oct. 31 | - | - | 58 | 28 | - | 100 Chinook per vessel per landing week (Wed.-Tues.). |
| | Cape Blanco to Humbug Mt. (Elk River Area) Inside of a line from Cape Blanco to Black Rock to Best Rock to 42º40'30" N Lat. 124º29'00" W Long. to Humbug Mt. | Nov. 1-30 | - | - | 30 | 26 | - | 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.[a/] (Page 4 of 5)

| Year | Area | Seasons: All-Salmon-Except-Coho | Seasons: All Salmon | Seasons: All-Salmon-Except.-Chin. | Number of Days | Minimum Size Limit (in.): Chinook | Minimum Size Limit (in.): Coho[b/] | Other Restrictions |
|---|---|---|---|---|---|---|---|---|
| **2013** | Humbug Mt. to OR/CA Border | April 1 - May 31 | - | - | 61 | 28 | - | Landings restricted to the State of Oregon. |
| Con't. | | June 1-30 | - | - | 30 | 28 | - | 4,000 quota; 30 Chinook per day vessel limit. Landings restricted to the area or Port Orford; mandatory phone or email trip reports. |
| | | July 1-31 | - | - | 31 | 28 | - | 4,782 quota; 30 Chinook per day vessel limit. Landings restricted to the area or Port Orford; mandatory phone or email trip reports. |
| | | Aug. 1-29 | - | - | 29 | 28 | - | 2,714 quota; 30 Chinook per day vessel limit. Landings restricted to the area or Port Orford; mandatory phone or email trip reports. |
| | | Sept. 16-27 | - | - | 12 | 28 | - | 1,000 quota; 20 Chinook per day vessel limit. Landings restricted to the area or Port Orford; mandatory phone or email trip reports. |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 13-31 | - | - | 19 | 28 | - | 750 Chinook quota; 20 Chinook per day per vessel landing limit; landings restricted to Brookings; mandatory phone or email trip reports. |
| **2014**[b/] | WA/OR Border to Cape Falcon | May 1-20 | - | - | 20 | 28 | - | Seven days per week, no landing limits. |
| | | May 23-27 | - | - | 5 | 28 | - | 60 Chinook per vessel per open period. |
| | | May 30-June 3 | - | - | 5 | 28 | - | 50 Chinook per vessel per open period. |
| | | June 6-10 | - | - | 5 | 28 | - | 40 Chinook per vessel per open period. |
| | | June 13-17, 20-24, 27-30 | - | - | 14 | 28 | - | 20 Chinook per vessel per open period. |
| | | - | July 1-8 | - | 8 | 28 | 16 | 60 Chinook and 60 marked coho per vessel per open period. |
| | | - | July 11-15, 18-22, 25-29 | - | 15 | 28 | 16 | 35 Chinook and 60 marked coho per vessel per open period. |
| | | - | Aug. 1-5 | - | 5 | 28 | 16 | 50 Chinook and 80 marked coho per vessel per open period. |
| | | - | Aug. 8-12, 15-19 | - | 10 | 28 | 16 | 75 Chinook and 150 marked coho per vessel per open period. |
| | | - | Aug. 22-26 | - | 5 | 28 | 16 | 35 Chinook and 150 marked coho per vessel per open period. |
| | | - | Aug. 29-Sept. 2 | - | 5 | 28 | 16 | 20 Chinook and 150 marked coho per vessel per open period. |
| | | - | Sept. 5 - 9 | - | 5 | 28 | 16 | 15 Chinook and 100 coho (non-mark-selective) per vessel per open period. |
| | | - | Sept. 12 - 16 | - | 5 | 28 | 16 | 15 Chinook and 200 coho (non-mark-selective) per vessel per open period. |

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters.[a/] (Page 5 of 5)

| Year | Area | Seasons: All-Salmon-Except-Coho | Seasons: All Salmon | Seasons: All-Salmon-Except.-Chin. | Number of Days | Minimum Size Limit (in.): Chinook | Minimum Size Limit (in.): Coho[b/] | Other Restrictions |
|---|---|---|---|---|---|---|---|---|
| **2014[b/]** Con't. | Cape Falcon to Humbug Mt. | Apr. 1-July 31, Aug. 6-29 | - | - | 146 | 28 | - | |
| | | Sept. 3 - 30 | - | - | 28 | 28 | 16 | Non-mark-selective coho quota of 5,300. 65 Chinook and one coho for each Chinook landed up to 20 coho per vessel per landing week (Wed.-Tues.). |
| | | Oct. 1 - 31 | - | - | 31 | 28 | - | 65 Chinook per vessel per landing week (Wed.-Tues.) |
| | Cape Blanco to Humbug Mt. (Elk River Area) Inside of a line from Cape Blanco to Black Rock to Best Rock to 42º40'30" N Lat. 124º29'00" W Long. to Humbug Mt. | Nov. 1-30 | - | - | 30 | 26 | - | 20 Chinook per day vessel limit. Landings restricted to Port Orford. |
| | Humbug Mt. to OR/CA Border | April 1 - May 31 | - | - | 61 | 28 | - | Landings restricted to the State of Oregon. |
| | | June 15-18 | - | - | 4 | 28 | - | 1,500 quota; 30 Chinook per day vessel limit. Landings restricted to the area or Port Orford; mandatory phone or email trip reports. |
| | | July 1-2 | - | - | 2 | 28 | - | 574 quota; 15 Chinook per day vessel limit. Landings restricted to the area or Port Orford; mandatory phone or email trip reports. |
| | | Aug. 6-7, 13-15, 20-21, 27-28 | - | - | 9 | 28 | - | 580 quota; 15 Chinook per day vessel limit. Landings restricted to the area or Port Orford; mandatory phone or email trip reports. |
| | | Sept. 12-27 | - | - | 16 | 28 | - | 500 quota; 20 Chinook per day vessel limit. Landings restricted to the area or Port Orford; mandatory phone or email trip reports. |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 12-31 | - | - | 20 | 28 | - | 600 Chinook quota; 20 Chinook per day per vessel landing limit; landings restricted to Brookings; mandatory phone or email trip |

a/ For earlier years see Review of 2013 Ocean Salmon Fisheries, Appendix C, Table C-3.
b/ For detailed regulations and inseason adjustments, see Tables I-1 and C-9.

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations.[a/] (Page 1 of 4)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) Chinook | Minimum Size Limit (in.) Coho[b/] | Other Restrictions[c/] |
|---|---|---|---|---|---|---|---|
| **2011** | 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 Inside15 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 42º40'30" N. Lat. 124º29'00" 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 | 115 | 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. |

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations.[a/] (Page 2 of 4)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) Chinook | Minimum Size Limit (in.) Coho[b/] | Other Restrictions[c/] |
|---|---|---|---|---|---|---|---|
| **2012** | WA/OR Border to Cape Falcon | June 9-22 | 14 | 2 | 24 | | 8,000 marked Chinook quota Cape Falcon, OR to U.S. Canada Border |
| | 34,860 coho quota and 11,100 Chinook guideline south of Leadbetter Pt. WA | June 23-Aug. 26 | 65 | 2 | 24 | - | Seven Days per week; no more than one Chinook |
| | | Aug. 27 - Sept. 2 | 7 | 2 | 24 | 16 | Seven days per week |
| | | Sept 3-30 | 28 | 2 | 24 | 16 | Seven days per week, non-mark-selective coho fishery with remaining quota converted to an impact neutral quota of 9,500. |
| | Cape Falcon to Humbug Mt. | Mar. 15-June 30, Aug. 1-31, Sept. 4, 5, 9-12, 16-20, 22-30, Oct.1-31 | 190 | 2 | 24 | - | All salmon except coho. |
| | | July 1-31 | 31 | 2 | 24 | 16 | All salmon; 8,000 marked coho quota. |
| | | Sept. 1-3, 6-8, 13-15 and 21 | 10 | 2 | 24 | 16 | All salmon; 11,800 non-mark-selective coho quota (inlc. rollover from July mark-selective coho quota). |
| | Cape Blanco to Humbug Mt.: Inside a line from Cape Blanco to Black Rock to Best Rock to 42º40'30" N. Lat. 124º29'00" 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 1-June 30, Aug. 1-Sept. 9 | 101 | 2 | 24 | - | All salmon except coho. |
| | | July 1-31 | 31 | 2 | 24 | 16 | All salmon, shared quota with July Cape Falcon to Humbug Mt. fishery. |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 1-14 | 14 | 1 | 24 | - | Barbless hooks required. No more than five Chinook per season. |

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations.[a/] (Page 3 of 4)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) Chinook | Minimum Size Limit (in.) Coho[b/] | Other Restrictions[c/] |
|---|---|---|---|---|---|---|---|
| **2013[d/]** | WA/OR Border to Cape Falcon | June 8-21 | 14 | 2 | 24 | - | 8,000 marked Chinook quota Cape Falcon, OR to U.S. Canada Border |
| | 38,380 coho quota and 9,900 Chinook guideline south of Leadbetter Pt. WA | June 22-Aug. 22 | 62 | 2 | 24 | 16 | Seven Days per week; no more than one Chinook |
| | | Aug. 23 - Aug. 31 | 9 | 2 | 24 | 16 | Seven days per week |
| | | Sept 1-30 | 30 | 2 | 24 | 16 | Seven days per week, non-mark-selective coho fishery with remaining quota converted to an impact neutral quota of 9,785. |
| | Cape Falcon to Humbug Mt. | Mar. 15-June 30, Aug. 1-31, Sept. 3-4, 8-11, and Oct. 1-31 | 176 | 2 | 24 | - | All salmon except coho. |
| | | July 1-31 | 31 | 2 | 24 | 16 | All salmon; 10,500 marked coho quota. |
| | | Sept. 1-2, 5-7, and 12-30 | 24 | 2 | 24 | 16 | All salmon; 19,580 non-mark-selective coho quota (inlc. rollover from July mark-selective coho quota). |
| | Cape Blanco to Humbug Mt.: Inside a line from Cape Blanco to Black Rock to Best Rock to 42º40'30" N. Lat. 124º29'00" 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 1-June 30, Aug. 1-Sept. 8 | 100 | 2 | 24 | - | All salmon except coho. |
| | | July 1-31 | 31 | 2 | 24 | 16 | All salmon, shared quota with July Cape Falcon to Humbug Mt. fishery. |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 1-13 | 13 | 1 | 24 | - | Barbless hooks required. No more than five Chinook per season. |

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations.[a/] (Page 4 of 4)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) Chinook | Minimum Size Limit (in.) Coho[b/] | Other Restrictions[c/] |
|---|---|---|---|---|---|---|---|
| **2014**[d/] | WA/OR Border to Cape Falcon | May 31 - June 13 | 14 | 2 | 24 | - | 9,000 marked Chinook quota Cape Falcon, OR to U.S. Canada Border |
| | 92,400 coho quota and 13,100 Chinook guideline south of Leadbetter Pt. WA | June 14-Sept. 5 | 84 | 2 | 24 | 16 | Seven Days per week; no more than one Chinook. |
| | | Sept. 6-21 | 16 | 2 | 24 | 16 | Seven days per week, non-mark-selective coho fishery with remaining quota converted to an impact neutral quota of 13,100. |
| | Cape Falcon to Humbug Mt. | Mar. 15-June 20<br>Aug. 11-29, Sept. 20-Oct. 31 | 159 | 2 | 24 | - | All salmon except coho. |
| | | June 21 - Aug. 10 | 51 | 2 | 24 | 16 | All salmon; 80,000 marked coho quota. |
| | | Aug. 30 - Sept. 19 | 21 | 2 | 24 | 16 | All salmon; 35,000 non-mark-selective coho quota (includes rollover from mark-selective coho quota). |
| | Cape Blanco to Humbug Mt.: Inside a line from Cape Blanco to Black Rock to Best Rock to 42º40'30" N. Lat. 124º29'00" W. Long. to Humbug Mt. (Elk River Area) | Nov. 1-30 | 30 | 2 | 24 | - | Two Chinook daily, one of which can be unmarked; no more than 10 unmarked per season in aggregate with Elk R., Sixes R., and Floras Ck./New R. |
| | Humbug Mt. to OR/CA Border | May 10-June 20,<br>Aug. 11-Sept. 7 | 70 | 2 | 24 | - | All salmon except coho. |
| | | June 21- Aug. 10 | 51 | 2 | 24 | 16 | All salmon, shared quota with June 21 - Aug. 10 Cape Falcon to Humbug Mt. fishery. |
| | Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area) | Oct. 1-12 | 12 | 2 | 24 | - | Two Chinook daily, one of which can be unmarked; no more than five unmarked per season. |

a/ For earlier years see Review of 2013 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.
c/ All seasons are seven days per week unless otherwise indicated.
d/ For detailed regulations and inseason adjustments, see Tables I-3 and C-9.

TABLE C-5. Summary of actual Washington commercial salmon seasons in state and federal (EEZ) waters. [a/] (Page 1 of 3)

| | | Seasons | | Number of Days | | Minimum Size Limit (in.) | | |
|---|---|---|---|---|---|---|---|---|
| Year | Area | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho | Other Restrictions |
| **2011** | U.S./Canada Border to WA/OR Border | May 1-June 21; June 23-30 | - | 52 | - | 28 | - | Seven days per week, no landing limits. |
| | | | - | 8 | - | 28 | - | 30 Chinook per open period vessel limit. North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| | | - | July 1-5, 8-12; | - | 10 | 28 | 16 | 50 Chinook and 50 marked coho per open period vessel limit North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| | | - | July 15-19, 22-26, July 29-Aug. 2, Aug. 5-9 | - | 20 | 28 | 16 | 30 Chinook and 50 marked coho per open period vessel limit North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| | | | Aug. 19; | | 1 | 28 | 16 | 12 Chinook and 50 marked coho per open period vessel limit North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| | | | Aug. 27-29 | | 3 | 28 | 16 | 12 Chinook and 75 marked coho per open period vessel limit North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| | | | Sept. 3-6, 10-13 | | 8 | 28 | 16 | 20 Chinook and 100 marked coho per open period vessel limit North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| **2012** | U.S./Canada Border to WA/OR Border | May 1-June 30; June 22-29 | - | 51 | - | 28 | - | Seven days per week, no landing limits. |
| | | | - | 8 | - | 28 | - | 35 Chinook per open period vessel limit. North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| | | - | July 1-4, July 6-10, July 13-17; | - | 14 | 28 | 16 | 40 Chinook and 35 marked coho per open period vessel limit North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| | | - | July 20-24; | - | 5 | 28 | 16 | 50 Chinook and 35 marked coho per open period vessel limit North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| | | - | July 27-31; | - | 5 | 28 | 16 | 60 Chinook and 35 marked coho per open period vessel limit North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| | | - | Aug. 3-7, 10-14; | - | 10 | 28 | 16 | 90 Chinook and 35 marked coho per open period vessel limit North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| | | - | Aug. 17-21, 24-28; | - | 10 | 28 | 16 | 120 Chinook and 40 marked coho per open period vessel limit North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| | | | Aug. 31 - Sept. 4 | | 5 | 28 | 16 | 150 Chinook and 40 marked coho per open period vessel limit. North of Leadbetter Pt. or the same south of Leadbetter Pt. |
| | | | Sept. 7-11, 14-18 | | 10 | 28 | 16 | 150 Chinook and 50 non-mark-seletive marked coho per open period vessel limit North of Leadbetter Pt. or the same south of Leadbetter Pt. |

TABLE C-5. Summary of actual Washington commercial salmon seasons in state and federal (EEZ) waters.[a/] (Page 2 of 3)

| | | Seasons | | Number of Days | | Minimum Size Limit (in.) | | |
|---|---|---|---|---|---|---|---|---|
| Year | Area | All-Salmon-Except-Coho | All Salmon | All-Salmon-Except-Coho | All Salmon | Chinook | Coho | Other Restrictions |
| **2013** | U.S./Canada Border to WA/OR Border | **Areas 1 & 2** May 1-June 30 | - | 61 | - | 28 | - | Seven days per week, no landing limits. |
| | | **Areas 3 & 4** May 1-20, 24-28 | - | 24 | - | 28 | - | Seven days per week<br>28 Chinook vessel limit May 24-28. |
| | | - | **Areas 1 & 2** July 1-9 | - | 9 | 28 | 16 | 50 Chinook and 40 marked coho per open period vessel limit. |
| | | - | July 12-16, 19-23, 26-30, Aug. 2-6 | - | 20 | 28 | 16 | 100 Chinook and 40 marked coho per open period vessel limit. |
| | | - | Aug. 9-13, 16-20 | - | 10 | 28 | 16 | 150 Chinook and 80 marked coho per open period vessel limit. |
| | | - | Aug. 30-Sept. 3 | - | 5 | 28 | 16 | 35 Chinook and 40 marked coho per open period vessel limit. |
| | | - | Sept. 6-10,13-17 | - | 10 | 28 | 16 | 75 Chinook and 50 marked coho per open period vessel limit. |
| | | - | **Areas 3 & 4** July 1-9, 12-16, 19-23 | - | 19 | 28 | 16 | 50 Chinook and 40 marked coho per open period vessel limit. |
| | | - | July 26-30, Aug. 2-6, 9-13 | - | 15 | 28 | 16 | 40 Chinook and 40 marked coho per open period vessel limit. |

TABLE C-5. Summary of actual Washington commercial salmon seasons in state and federal (EEZ) waters.[a/] (Page 3 of 3)

| Year | Area | Seasons: All-Salmon-Except-Coho | Seasons: All Salmon | Number of Days: All-Salmon-Except-Coho | Number of Days: All Salmon | Minimum Size Limit (in.): Chinook | Minimum Size Limit (in.): Coho | Other Restrictions |
|---|---|---|---|---|---|---|---|---|
| **2014**[b/] | U.S./Canada Border to WA/OR Border | **Areas 1 & 2** | | | | | | |
| | | May 1-20 | - | 20 | - | 28 | - | Seven days per week, no landing limits. |
| | | May 23-27 | - | 5 | - | 28 | - | 60 Chinook per vessel per open period. |
| | | May 30-June 3 | - | 5 | - | 28 | - | 50 Chinook per vessel per open period. |
| | | June 6-10 | - | 5 | - | 28 | - | 40 Chinook per vessel per open period. |
| | | June 13-17, 20-24, 27-30 | - | 14 | - | 28 | - | 20 Chinook per vessel per open period. |
| | | **Areas 3 & 4** | | | | | | |
| | | May 1-8 | - | 8 | - | 28 | - | Seven days per week, no landing limits. |
| | | May 10-13, 16-20 | - | 9 | - | 28 | - | 50 Chinook per vessel per open period. |
| | | May 23-27, May 30-June 3 | - | 10 | - | 28 | - | 40 Chinook per vessel per open period. |
| | | June 6-10 | - | 5 | - | 28 | - | 30 Chinook per vessel per open period. |
| | | June 13-17, 20-24, 27-30 | - | 14 | - | 28 | - | 20 Chinook per vessel per open period. |
| | | | **Areas 1 & 2** | | | | | |
| | | - | July 1-8 | - | 8 | 28 | 16 | 60 Chinook and 60 marked coho per open period vessel limit. |
| | | - | July 11-15, 18-22, 25-29 | - | 15 | 28 | 16 | 35 Chinook and 60 marked coho per open period vessel limit. |
| | | - | Aug. 1-5 | - | 5 | 28 | 16 | 50 Chinook and 80 marked coho per open period vessel limit. |
| | | - | Aug. 8-12, 15-19 | - | 10 | 28 | 16 | 75 Chinook and 150 marked coho per open period vessel limit. |
| | | - | Aug. 22-26 | - | 5 | 28 | 16 | 35 Chinook and 150 marked coho per open period vessel limit. |
| | | - | Aug. 29 - Sept. 2 | - | 5 | 28 | 16 | 20 Chinook and 150 marked coho per open period vessel limit. |
| | | - | Sept. 5-9 | - | 5 | 28 | 16 | 15 Chinook and 100 coho (non-mark-selective) per open period vessel limit. |
| | | - | Sept. 12-16 | - | 5 | 28 | 16 | 15 Chinook and 200 coho (non-mark-selective) per open period vessel limit. |
| | | | **Areas 3 & 4** | | | | | |
| | | - | July 1-8 | - | 8 | 28 | 16 | 60 Chinook and 40 marked coho per open period vessel limit. |
| | | - | July 11-15, 18-22, 25-29 | - | 15 | 28 | 16 | 35 Chinook and 40 marked coho per open period vessel limit. |
| | | - | Aug. 1-5 | - | 5 | 28 | 16 | 50 Chinook and 50 marked coho per open period vessel limit. |
| | | - | Aug. 8-12, 15-19 | - | 10 | 28 | 16 | 75 Chinook and 150 marked coho per open period vessel limit. |
| | | - | Aug. 22-26 | - | 5 | 28 | 16 | 35 Chinook and 50 marked coho per open period vessel limit. |
| | | - | Aug. 29 - Sept. 2 | - | 5 | 28 | 16 | 20 Chinook and 50 marked coho per open period vessel limit. |
| | | - | Sept. 5-9, 12-16 | - | 10 | 28 | 16 | 15 Chinook and 20 marked coho per open period vessel limit. |

a/ For earlier years see Review of 2013 Ocean Salmon Fisheries, Appendix C, Table C-5.

b/ For detailed regulations and inseason adjustments, see Tabkes I-1 and C-9.

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations. [a/] (Page 1 of 4)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) Chinook | Minimum Size Limit (in.) Coho[b/] | Other Restrictions |
|---|---|---|---|---|---|---|---|
| **2011** | 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<br>5,990 coho quota and 3,330 Chinook guideline. | June 26-July 31 | 36 | 2[c/] | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Aug. 1-28 | 28 | 2[c/] | 24 | 16 | Seven days per week; no more than two Chinook. |
| | | Aug. 29-Sept. 4 | 7 | 2[c/] | 24 | 16 | Seven days per week; Chinook prohibited. |
| | | Sept. 5-18 | 11 | 2[c/] | 24 | 16 | Seven days per week; no more than one Chinook. |
| | Cape Alava to Queets River<br>2,600 coho quota and 1,460 Chinook guideline. | June 26-July 31 | 36 | 2[c/] | 24 | 16 | Seven days per week; no more than one Chinook. |
| | | Aug. 1-28 | 28 | 2[c/] | 24 | 16 | Seven days per week; no more than two Chinook. |
| | | Aug. 29-Sept. 4 | 7 | 2[c/] | 24 | 16 | Seven days per week; Chinook prohibited. |
| | | Sept. 5-18 | 11 | 2[c/] | 24 | 16 | Seven days per week; no more than one Chinook. |
| | 48º00' N. Lat. to 47º50' N. Lat. | Sept. 24 - Oct. 9 | 16 | 2[c/] | 24 | 16 | Seven days per week; no more than one Chinook. |
| | Queets River to Leadbetter Point<br>24,860 coho quota and 17,600 Chinook guideline. | June 26-July 31 | 26 | 2 | 24 | 16 | Sun.-Thurs.; no more than one Chinook. |
| | | 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.<br>33,600 coho quota and 7,710 Chinook guideline for Leadbetter Pt. to Cape Falcon, OR | 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. |

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations.a/ (Page 2 of 4)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) Chinook | Minimum Size Limit (in.) Coho[b/] | Other Restrictions |
|---|---|---|---|---|---|---|---|
| **2012** | U.S./Canada Border to Queets R. WA (Neah Bay and La Push subareas) | June 16-30 | 15 | 2 | 24 | - | Coastwide quota: 8,000 marked Chinook. |
| | Queets R. to Leadbetter Pt. WA (Westport subarea) | June 9-23 | 15 | 2 | 24 | - | Coastwide quota: 8,000 marked Chinook. |
| | Leadbetter Pt. WA to Cape Falcon OR (Columbia River subarea) | June 9-22 | 14 | 2 | 24 | - | Coastwide quota: 8,000 marked Chinook. |
| | U.S./Canada Border to Cape Alava | July 1-15 | 15 | 2 | 24 | 16 | Seven days per week; no more than two Chinook. |
| | | July 16-Aug.16 | 32 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | 8,200 coho quota and 4,700 Chinook guideline. | Aug. 17-Sept. 23 | 38 | 2 | 24 | 16 | Seven days per week; no more than two Chinook. |
| | Cape Alava to Queets River 2,360 coho quota and 2,050 Chinook guideline. | July 1 -Sept. 23 | 85 | 2 | 24 | 16 | Seven days per week. |
| | 48º00' N. Lat. to 47º50' N. Lat. | Sept. 29 - Oct. 14 | 16 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | Queets River to Leadbetter Point 25,800 coho quota and 17,600 | June 24-Aug. 16 | 44 | 2 | 24 | 16 | Sun.-Thurs. June 24-Aug. 2; seven days per week otherwise.; no more than one Chinook. |
| | Chinook guideline. Beginning | Aug. 17-31 | 15 | 2 | 24 | 16 | Seven days per week |
| | Sept. 1, remaining quota converted to an impact neutral | Sept. 1-12 | 12 | 2 | 24 | 16 | Seven days per week; no more than one coho. |
| | 9,000 non-mark-selective coho quota. | Sept. 13-23 | 11 | 2 | 24 | 16 | Seven days per week |
| | Leadbetter Point to WA/OR | June 23- Aug. 26 | 65 | 2 | 24 | 16 | Seven days per week; no more than one Chinook. |
| | Border. | Aug. 27-Sept. 2 | 7 | 2 | 24 | 16 | Seven days per week |
| | 34,860 coho quota and 11,100 Chinook guideline for Leadbetter Pt. to Cape Falcon, OR | Sept. 3-30 | 28 | 2 | 24 | 16 | Seven days per week; non-mark-selective coho fishery with remaining quota converted to an impact neutral quota of 9,500. |

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations.[a/] (Page 3 of 4)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) Chinook | Minimum Size Limit (in.) Coho[b/] | Other Restrictions |
|---|---|---|---|---|---|---|---|
| **2013** | U.S./Canada Border to Queets R. WA (Neah Bay and La Push subareas) | May 10-11, 17-18<br>June 22-28 | 11 | 2 | 24 | - | Coastwide quota: 8,000 marked Chinook. |
| | Queets R. to Leadbetter Pt. WA (Westport subarea) | June 8-22 | 15 | 2 | 24 | - | Coastwide quota: 8,000 marked Chinook. |
| | Leadbetter Pt. WA to Cape Falcon OR (Columbia River subarea) | June 8-21 | 14 | 2 | 24 | - | Coastwide quota: 8,000 marked Chinook. |
| | U.S./Canada Border to Cape Alava 8,200 coho quota and 4,900 Chinook guideline. | June 29-Sept 22 | 86 | 2 | 24 | 16 | Seven days per week. Two salmon daily plus two additional pinks; Aug. 10-22 two salmon daily, no more than one Chinook, plus two additional pinks. |
| | Cape Alava to Queets River 3,040 coho quota and 1,700 Chinook guideline. | June 29-Sept 22 | 86 | 2 | 24 | 16 | Seven days per week. Two salmon daily plus two additional pinks; Aug. 10-22 two salmon daily, no more than one Chinook, plus two additional pinks. |
| | 48º00' N. Lat. to 47º50' N. Lat. | Sept. 28 - Oct. 13 | 16 | 2 | 24 | 16 | Seven days per week. Two salmon daily plus two additional pinks. |
| | Queets River to Leadbetter Point 22,916 coho quota and 20,300 Chinook guideline. | June 23 - August 3 | 36 | 2 | 24 | 16 | Sun.-Thurs. June 23-July 18; seven days per week otherwise.; no more than one Chinook. |
| | | Aug. 4-Sept. 5 | 33 | 2 | 24 | 16 | Seven days per week |
| | | Sept. 6-30 | 25 | 2 | 24 | 16 | Seven days per week, non-mark-selective coho fishery with remaining quota converted to an impact neutral quota of 6,350/. |
| | Leadbetter Point to WA/OR Border. 28,527 coho quota and 9,900 Chinook guideline. | June 22-Aug. 22 | 62 | 2 | 24 | 16 | Seven Days per week; no more than one Chinook |
| | | Aug. 23 - Aug. 31 | 9 | 2 | 24 | 16 | Seven days per week |
| | | Sept 1-30 | 30 | 2 | 24 | 16 | Seven days per week, non-mark-selective coho fishery with remaining quota converted to an impact neutral quota of 9,785. |

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations.[a/] (Page 4 of 4)

| Year | Area | Season | Days | Bag Limit | Minimum Size Limit (in.) Chinook | Minimum Size Limit (in.) Coho[b/] | Other Restrictions |
|---|---|---|---|---|---|---|---|
| **2014[d/]** | U.S./Canada Border to Queets R. WA (Neah Bay and La Push subareas) | May 16-17, 23-24, May 31-June 13 | 18 | 2 | 24 | - | Coastwide quota: 9,000 marked Chinook. |
| | Queets R. to Leadbetter Pt. WA (Westport subarea) | May 31 - June 13 | 14 | 2 | 24 | - | Coastwide quota: 9,000 marked Chinook. |
| | Leadbetter Pt. WA to Cape Falcon OR (Columbia River subarea) | May 31 - June 13 | 14 | 2 | 24 | - | Coastwide quota: 9,000 marked Chinook. |
| | U.S./Canada Border to Cape Alava: 19,200 coho quota and 7,000 Chinook guideline. | June 14-Aug. 31 | 79 | 2 | 24 | 16 | Seven days per week. All salmon; two fish per day. |
| | | Sept. 1-21 | 21 | 2 | 24 | 16 | Seven days per week. All salmon; unmarked coho retention allowed. Remaining coho quota converted to impact neutral quota of 1,600. |
| | Cape Alava to Queets River 4,750 coho quota and 2,350 Chinook guideline. | June 14-Aug. 31 | 79 | 2 | 24 | 16 | Seven days per week. All salmon; two fish per day. |
| | | Sept. 1-21 | 21 | 2 | 24 | 16 | Seven days per week. All salmon; unmarked coho retention allowed. Remaining coho quota converted to impact neutral quota of 1,500. |
| | 48º00' N. Lat. to 47º50' N. Lat. | Sept. 27-Oct. 12 | 16 | 2 | 24 | 16 | Seven days per week. Two salmon per day. Quotas of 50 Chinook and 50 coho. |
| | Queets River to Leadbetter Point 68,380 coho quota and 27,600 Chinook guideline. | June 14-Aug. 31 | 79 | 2 | 24 | 16 | Seven days per week. All salmon; two fish per day, no more than one Chinook June 14-Aug.17. |
| | | Sept. 1-19 | 19 | 2 | 24 | 16 | Seven days per week. All salmon; unmarked coho retention allowed. Remaining coho quota converted to impact neutral quota of 13,750. |
| | Leadbetter Point to WA/OR Border. 92,400 coho quota and 13,100 Chinook guideline. | June 14-Sept. 5 | 84 | 2 | 24 | 16 | Seven days per week. All salmon; two fish per day, no more than one Chinook. |
| | | Sept. 6-21 | 16 | 2 | 24 | 16 | Seven days per week. All salmon; unmarked coho retention allowed. Remaining coho quota converted to impact neutral quota of 13,100. |

a/ For earlier years see Review of 2013 Ocean Salmon Fisheries, Appendix C, Table C-6.

b/ Mark-selective coho fishery unless otherwise noted; all retained coho must be marked with a healed adipose fin clip.

c/ Plus one additional pink salmon.

d/ For detailed regulations and inseason adjustments, see Tables I-3 and C-9.

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons.[a/] (Page 1 of 4)

| Year | Tribe/Area | Seasons: All-Salmon-Except-Coho | Seasons: All Salmon | Number of Days: All-Salmon-Except-Coho | Number of Days: All Salmon | Minimum Size Limit (in.): Chinook | Minimum Size Limit (in.): Coho | Other Restrictions |
|---|---|---|---|---|---|---|---|---|
| **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 48º02'15" N. Lat. and east of 125º44'00" 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 | |

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons.[a/] (Page 2 of 4)

| Year | Tribe/Area | Seasons: All-Salmon-Except-Coho | Seasons: All Salmon | Number of Days: All-Salmon-Except-Coho | Number of Days: All Salmon | Minimum Size Limit (in.): Chinook | Minimum Size Limit (in.): Coho | Other Restrictions |
|---|---|---|---|---|---|---|---|---|
| **2012**[b/] | **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 48º02'15" N. Lat. and east of 125º44'00" 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 | | | | | |
| | | May 1-June 30 | - | 61 | - | 24 | - | |
| | | - | July 1-Oct. 31 | - | 123 | 24 | 16 | |
| **2013** | **Quinault, Quileute, and Hoh** | | | | | | | |
| | Sand Point to Point Chehalis | May 1-June 18 | - | 49 | - | 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 |

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons.[a/] (Page 3 of 4)

| Year | Tribe/Area | Seasons: All-Salmon-Except-Coho | Seasons: All Salmon | Number of Days: All-Salmon-Except-Coho | Number of Days: All Salmon | Minimum Size Limit (in.): Chinook | Minimum Size Limit (in.): Coho | Other Restrictions |
|---|---|---|---|---|---|---|---|---|
| **2013 (cont.)** | **Makah** | | | | | | | |
| | Ocean waters north of 48º02'15" N. Lat. and east of 125º44'00" W. Long. | | | | | | | |
| | | May 1-June 18 | - | 49 | - | 24 | - | |
| | | - | July 2-8 | - | 7 | 24 | 16 | 50 Chinook per vessel per open period |
| | | | July 9-15 | | 7 | 24 | 16 | 100 Chinook per vessel per open period |
| | | | July 16-29 | | 14 | 24 | 16 | 75 Chinoook per vessel per open period |
| | | | July 30-Aug. 11 | | 13 | 24 | 16 | 50 Chinook per vessel per open period |
| | | | Aug. 12-25 | | 14 | 24 | 16 | 35 Chinook per vessel per open period |
| | | | Aug. 26 | | 1 | 24 | 16 | 50 Chinook and 200 coho per vessel per open period |
| | | | Aug. 27 | | 0 | 24 | 16 | Closed |
| | | | Aug. 28-Sept. 3 | | 7 | 24 | 16 | 100 Chinook and 100 coho per vessel per open period |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | | 105 | 22 | 16 | |
| | | May 1-June 18 | - | 49 | - | 24 | - | |
| | | | July 2-8 | | 7 | 24 | 16 | 50 Chinook per vessel per open period |
| | | - | July 9-15 | | 7 | 24 | 16 | 100 Chinook per vessel per open period |
| | | | July 16-29 | | 14 | 24 | 16 | 75 Chinoook per vessel per open period |
| | | | July 30-Aug. 11 | | 13 | 24 | 16 | 50 Chinook per vessel per open period |
| | | | Aug. 12-25 | | 14 | 24 | 16 | 35 Chinook per vessel per open period |
| | | | Aug. 26 | | 1 | 24 | 16 | 50 Chinook and 200 coho per vessel per open period |
| | | | Aug. 27 | | 0 | 24 | 16 | Closed |
| | | | Aug. 28-Sept. 3 | | 7 | 24 | 16 | 100 Chinook and 100 coho per vessel per open period |
| | | - | Nov. 1-Dec. 31 | - | 61 | 22 | 16 | |
| | **S'Klallam** | | | | | | | |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | | 105 | 22 | 16 | |
| | | May 1-June 18 | - | 49 | - | 24 | - | |
| | | - | July 1-Sept. 4 | - | 66 | 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.[a/] (Page 4 of 4)

| Year | Tribe/Area | Seasons: All-Salmon-Except-Coho | Seasons: All Salmon | Number of Days: All-Salmon-Except-Coho | Number of Days: All Salmon | Minimum Size Limit (in.): Chinook | Minimum Size Limit (in.): Coho | Other Restrictions |
|---|---|---|---|---|---|---|---|---|
| **2014**[b/] | **Quinault, Quileute, and Hoh** | | | | | | | |
| | Sand Point to Point Chehalis | May 1-June 30 | - | 61 | - | 24 | - | |
| | Quileute and Hoh | - | July 1-Sept. 15 | - | 77 | 24 | 16 | |
| | Quinault | | July 1-Sept. 4 | | 66 | | | |
| | | | Sept 5-10 | | 6 | 24 | 16 | 40 Chinook and 120 coho per vessel per open period |
| | | | Sept 11-15 | | 5 | 24 | 16 | 45 Chinook and 135 coho per vessel per open period |
| | Sand Point to Queets River (Quileute only) | - | Sept. 16-Oct. 15 | - | 30 | 24 | 16 | Ceremonial and subsistence only |
| | **Makah** | | | | | | | |
| | Ocean waters north of 48º02'15" N. Lat. and east of 125º44'00" W. Long. | | | | | | | |
| | | May 1-June 23 | | 54 | - | 24 | - | |
| | | June 25-30 | | 6 | | 24 | - | 75 Chinook per vessel per open period |
| | | | July 1-31 | | 31 | 24 | 16 | |
| | | | Aug. 2-Aug. 9 | | 8 | 24 | 16 | 70 Chinook per vessel per open period |
| | | | Aug. 11-13 | | 3 | 24 | 16 | 70 Chniook per vessel per open period |
| | | | Aug. 15-20 | | 6 | 24 | 16 | 100 Chinook and 315 coho per vessel per open period |
| | | | Aug. 22-27 | | 6 | 24 | 16 | 120 Chinook and 360 coho per vessel per open period |
| | | | Aug. 29-Sept 3 | | 7 | 24 | 16 | 120 Chinook and 200 coho per vessel per open period |
| | | | Sept 5-10 | | 6 | 24 | 16 | 35 Chinook and 110 coho per vessel per open period |
| | | | Sept 11-15 | | 5 | | | 45 Chinook and 135 coho per vessel per open period |
| | Area 4B inside waters | - | Jan. 1-Apr. 15 | | 105 | 22 | 16 | |
| | | May 1-June 23 | | 54 | - | 24 | - | |
| | | June 25-30 | | 6 | | 24 | - | 75 Chinook per vessel per open period |
| | | | July 1-31 | | 31 | 24 | 16 | |
| | | | Aug. 2-Aug. 9 | | 8 | 24 | 16 | 70 Chinook per vessel per open period |
| | | | Aug. 11-13 | | 3 | 24 | 16 | 70 Chniook per vessel per open period |
| | | | Aug. 15-20 | | 6 | 24 | 16 | 100 Chinook and 315 coho per vessel per open period |
| | | | Aug. 22-27 | | 6 | 24 | 16 | 120 Chinook and 360 coho per vessel per open period |
| | | | Aug. 29-Sept 3 | | 7 | 24 | 16 | 120 Chinook and 200 coho per vessel per open period |
| | | | Sept 5-10 | | 6 | 24 | 16 | 35 Chinook and 110 coho per vessel per open period |
| | | | Sept 11-15 | | 5 | | | 45 Chinook and 135 coho per vessel per open period |
| | | - | 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 | 16 | |

a/ For earlier years see Review of 2013 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)

| | Chinook | | | | Coho | | | |
|---|---|---|---|---|---|---|---|---|
| | | Catch Quota | | | | Catch Quota | | |
| Year | Critical Stocks | Treaty Indian | Non-Indian Commercial | Sport | Critical Stocks | Treaty Indian | Non-Indian Commercial | 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)

| | Chinook | | | | Coho | | | |
|---|---|---|---|---|---|---|---|---|
| | | Catch Quota | | | | Catch Quota | | |
| Year | Critical Stocks | Treaty Indian | Non-Indian Commercial | Sport | Critical Stocks | Treaty Indian | Non-Indian Commercial | 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[j/] | 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/] |
| 2012 | Columbia River natural tules | 55.0 | 47.4 | 51.5[j/] | Lower Columbia River and Interior Fraser Natural | 47.5 | 11.8[g/] | 71.2[g/] |
| 2013 | Columbia River natural tules | 52.5 | 44.0 | 48.0[j/] | Lower Columbia River and Interior Fraser Natural | 47.5 | 14.2[g/] | 74.8[g/] |
| 2014 | Columbia River natural tules, and Puget Sound | 62.5 | 56.9 | 59.1[j/] | Lower Columbia River and Interior Fraser Natural | 57.5 | 35.2[g/] | 184.8[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).

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, 4,800 (equivalent to 2,000 non-mark selective quota) in 2011, 8, 000 in 2012 and 2013 (equivalent to 4,000 non-mark selective quota),and 9,000 (equivalent 4,500 non-mark selective) in 2014.

TABLE C-9. Sequence of events in ocean salmon fishery management, 2014.[a/] (Page 1 of 8)

**GENERAL MANAGEMENT ACTIONS AND INSEASON CONFERENCES**

| | |
|---|---|
| Mar. 4 | National Marine Fisheries Service (NMFS) provides the Council with a letter outlining the 2014 management guidance for stocks listed under the Endangered Species Act (ESA) and stocks of concern. |
| Mar. 11 | Based on Council recommendations, NMFS takes inseason action to delay the scheduled opening for the commercial salmon fishery from Cape Falcon to the OR/CA border, from March 15, 2014, to April 1, 2014. |
| Mar. 11 | Based on Council recommendations, NMFS takes inseason action to cancel the opening scheduled in the commercial fishery from Horse Mountain, California to Point Arena, California (Fort Bragg subarea), originally scheduled for April 16, 2014. |
| Mar. 11 | Based on Council recommendations, NMFS takes inseason action to reduce the incidental Pacific halibut landing limits to no more than one Pacific halibut per each four Chinook, except one Pacific halibut may be possessed or landed without meeting the ratio requirement, and no more than 12 halibut may be possessed or landed per trip. |
| Mar. 13 | Council adopts three commercial, tribal, and recreational ocean salmon fishery management alternatives for public review. |
| Mar. 15 | North of Cape Falcon Salmon Forum meets in Olympia, Washington to initiate consideration of recommendations for treaty Indian and non-Indian salmon management alternatives. |
| Mar. 24-25 | Council holds public hearings on proposed 2014 management alternatives in Westport, Washington; Coos Bay, Oregon; and Santa Rosa, California. |
| Mar. 27 | North of Cape Falcon Salmon Forum meets in Lynnwood, Washington to further consider recommendations for treaty Indian and non-Indian salmon management alternatives. |
| Mar. 29 | Due to a delay in the implementation of the Pacific halibut Catch Sharing Plan (CSP), NMFS suspended the retention of Pacific halibut in the salmon troll fishery in Area 2A that was scheduled to begin on April 1 until further notice. |
| Apr. 1 | March 29 suspension lifted; commercial salmon trollers possessing an IPHC license may retain halibut caught incidental to commercial salmon fishing in April 2014. |
| Apr. 10 | 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 1 | Ocean salmon seasons implemented as recommended by the Council and published in the *Federal Register* on May 1 (*79 FR 24580*), with an effective date of May 1, 2014. |
| May 7 | NMFS inseason conference number one results in the closure of the commercial salmon fishery from the U.S./Canada border to Queets River (Washington state marine areas 3 and 4) effective 12:01 am, Friday, May 9. All vessels fishing in the area, or in possession of any salmon caught in the area north of the Queets River must land and deliver their fish within 24 hours of this closure. The fishery from the U.S./Canada border to Queets River will reopen Saturday, May 10 through Tuesday, May 13, with an open period landing and possession limit of 50 Chinook. Thereafter, open Friday through Tuesday with a landing and possession limit of 50 Chinook per vessel, per open period. |
| May 20 | NMFS inseason conference number two results in closing the Queets River to Cape Falcon (Washington state marine areas 1 and 2) commercial troll fishery effective May 20 due to projected attainment of quota. |

**GENERAL MANAGEMENT ACTIONS AND INSEASON CONFERENCES (continued)**

May 22 — NMFS inseason conference number three results in:
1) Reopening commercial salmon fishery from the Queets River to Cape Falcon at 12:01 am, Friday, May 23 through Tuesday, May 27, with an open period landing and possession limit of 60 Chinook.
2) Reopening the commercial salmon fishery from the U.S./Canada border to Queets River, Friday, May 23 through Tuesday, May 27, with an open period landing and possession limit of 40 Chinook.

May 29 — NMFS inseason conference number four results in:
1) Reopening the commercial salmon fishery from the Queets River to Cape Falcon Friday, May 30 through Tuesday, June 3, with an open period landing and possession limit of 50 Chinook.
2) Reopening the commercial salmon fishery from the U.S./Canada border to Queets River Friday, May 30 through Tuesday, June 3, with an open period landing and possession limit of 40 Chinook.
3) Retention of Pacific halibut in all areas North of Cape Falcon are limited to 1 Pacific halibut per trip effective Friday, May 30.
4) Retention of Pacific halibut in all areas South of Cape Falcon are limited to 1 Pacific halibut per trip effective 11:59 p.m. Friday, May 30. Beginning 12:01 a.m. Saturday, May 31, any vessels in possession of more than 1 Pacific halibut must cease all fishing activities until Pacific halibut in excess of 1 have been landed and delivered. All Pacific halibut, in excess of 1 per trip, must be landed and delivered no later than 11:59 p.m., Saturday, May 31.

June 5 — NMFS inseason conference number five results in:
1) Reopening the commercial salmon fishery from the Queets River to Cape Falcon Friday, June 6 through Tuesday, June 10, with an open period landing and possession limit of 40 Chinook.
2) Reopening the commercial salmon fishery from the U.S./Canada border to Queets River Friday, June 6 through Tuesday, June 10, with an open period landing and possession limit of 30 Chinook.

June 12 — NMFS inseason conference number six results in the reopening of the commercial salmon fishery from the U.S./Canada border to Cape Falcon will reopen Friday, June 13 through Tuesday, June 17, with an open period landing and possession limit of 20 Chinook.

June 18 — NMFS inseason conference number seven results in the closure of the commercial salmon fishery from Humbug Mountain to the OR/CA border effective June 18 due to projected quota attainment.

June 26 — NMFS inseason conference number eight results in:
1) Reopening of the commercial salmon fishery from the U.S./Canada border to Cape Falcon Friday, June 27 through Monday, June 30, with an open period landing and possession limit of 20 Chinook.
2) Adjustments to the commercial troll salmon fishery from Humbug Mountain to the OR/CA border scheduled to open July 1 due to high catch rates and expected early attainment of the quota;
   - An impact neutral rollover of Chinook remaining from the June quota increased the July quota from 500 Chinook to 574 Chinook,
   - The single daily landing limit was reduced to 15 Chinook per vessel, and
   - Open days were adjusted to July 1-2, and then closed until further notice.

July 10 — NMFS inseason conference number nine results in the reopening of the commercial salmon fishery from the U.S./Canada border to Cape Falcon, Friday, July 11 through Tuesday, July 15 (and each subsequent Friday through Tuesday until further notice), with open period landing and possession limits of 35 Chinook and 60 adipose fin-clipped coho south of the Queets River, or 35 Chinook and 40 adipose fin-clipped coho from north of the Queets River to avoid early attainment of the Chinook quota.

**GENERAL MANAGEMENT ACTIONS AND INSEASON CONFERENCES (continued)**

July 24 — NMFS inseason conference number 10 results in:

1) Adjustments to the commercial troll salmon fishery from Humbug Mountain to the OR/CA border scheduled to open August 6 due to high catch rates and expected early attainment of the quota;
    - An impact neutral rollover from Chinook remaining from the June and July quotas increased the August quota from 500 Chinook to 580 Chinook,
    - The single daily landing limit remained 15 Chinook per vessel, and
    - Open days were adjusted to August 6-7 (Wednesday-Thursday, and will remain Wednesday and Thursday of each following weeks until further notice.
2) Modification to incidental Pacific halibut retention, effective 12:01 a.m. Friday, July 25 the retention of Pacific halibut in all areas open for Chinook trolling between the U.S./Canada border and the U.S./Mexico border are limited to 1 Pacific halibut for each 4 Chinook except 1 Pacific halibut may be possessed and landed without meeting the ratio, and no more than 3 Pacific halibut may be possessed or landed per trip.

July 31 — NMFS inseason conference number 11 results in the reopening of the commercial salmon fishery from the U.S./Canada border to Cape Falcon Friday, August 1 through Tuesday, August 5 (and each subsequent Friday through Tuesday until further notice), with open period landing and possession limits of 50 Chinook and 80 adipose fin-clipped coho south of the Queets River, or 50 Chinook and 50 adipose fin-clipped coho from north of the Queets to facilitate coho and Chinook quota attainment.

August 7 — NMFS inseason conference number 12 results in:

1) The reopening of the commercial salmon fishery from the U.S./Canada border to Cape Falcon Friday, August 8 through Tuesday, August 12 (and each subsequent Friday through Tuesday until further notice), with an open period landing and possession limits of 75 Chinook and 150 adipose fin-clipped coho to facilitate coho and Chinook quota attainment.
2) Modification to incidental Pacific halibut retention, effective Friday, August 8 the Retention of Pacific halibut in all areas open for Chinook trolling between the U.S./Canada border and the U.S./Mexico border are limited to 1 Pacific halibut for each 4 Chinook except 1 Pacific halibut may be possessed and landed without meeting the ratio, and no more than 7 Pacific halibut may be possessed or landed per trip.

August 11 — NMFS inseason conference number 13 results in adjustments to the commercial troll salmon fishery from Humbug Mountain to the OR/CA border scheduled to open August 13;

- Open days were adjusted to August 13-15 (Wednesday-Friday for one week), but remained Wednesday and Thursday for each of the following weeks until further notice and the single daily landing limit was remained 15 Chinook per vessel.

August 14 — NMFS inseason conference number 14 results in adjustments to the recreational bag limit effective Aug. 18 from the Queets River to Leadbetter Point to two fish per day (removed limit of one Chinook).

August 18 — NMFS inseason conference number 15 results in:

1) The reopening of the commercial troll salmon fishery from Humbug Mountain to the OR/CA border for Wednesday and Thursday August 20-21 with a single daily landing and possession limit of 15 Chinook per vessel.
2) An impact neutral transfer of a portion of the remaining June 21 - August 10 recreational mark-selective coho quota from Cape Falcon to the OR/CA border to the commercial troll salmon fishery in the area from Cape Falcon to Humbug Mountain. This transfer results in a September troll quota in this area of 5,300 non-mark-selective coho. Salmon troll vessels were allowed to land one coho for each Chinook landed up to a maximum landing week limit of 20 coho (landing week defined as Wednesday through Tuesday).
3) A portion of the 31,470 coho remaining in the Cape Falcon to the OR/CA border recreational mark-selective quota of 80,000 coho were transferred on an impact neutral basis to the August 30 through September 30 Cape Falcon to Humbug Mt. recreational non-mark-selective coho quota. This increased the quota for this season from 20,000 to 35,000 coho.

**GENERAL MANAGEMENT ACTIONS AND INSEASON CONFERENCES (continued)**

August 21 NMFS inseason conference number 16 results in:

1) The reopening of the commercial salmon fishery from the U.S./Canada border to Cape Falcon Friday, August 22 through Tuesday, August 26 (and each subsequent Friday through Tuesday until further notice), with an open period landing and possession limits of 35 Chinook and 150 adipose fin-clipped coho for all areas south of the Queets River and 35 Chinook and 50 adipose fin-clipped coho for all areas North of the Queets River to facilitate coho and Chinook quota attainment.
2) Modification to incidental Pacific halibut retention, effective 12:01 a.m. Friday, August 22 in all areas North of Cape Falcon and 11:59 p.m. Friday, August 22 in all areas South of Cape Falcon retention of Pacific halibut was limited to 1 Pacific halibut for each 4 Chinook except 1 Pacific halibut may be possessed and landed without meeting the ratio, and no more than 3 Pacific halibut may be possessed or landed per trip. Beginning Saturday, August 23 any vessels in possession of more than 3 Pacific halibut must cease all fishing activities until Pacific halibut in excess of 3 have been landed and delivered. All Pacific halibut, in excess of 3 per trip, must be landed and delivered no later than Saturday, August 23.

August 27 NMFS inseason conference number 17 results in:

1) The reopening of the commercial salmon fishery from the U.S./Canada border to Cape Falcon Friday, August 29 through Tuesday, September 2 (and each subsequent Friday through Tuesday until further notice), with an open period landing and possession limits of 20 Chinook and 150 adipose fin-clipped coho for all areas south of the Queets River to Cape Falcon; and 20 Chinook and 50 adipose fin-clipped coho for all areas north of the Queets River to avoid exceeding quotas.
2) A bag limit adjustment to allow up to 2 Chinook and the retention of non-marked coho in the recreational salmon fishery in the area from the U.S./Canada border to Leadbetter Point to effective Monday, September 1.

September 4 NMFS inseason conference number 18 results in:

1) The reopening of the commercial salmon fishery from the U.S./Canada border to Cape Falcon Friday, September 5 through Tuesday, September 9 (and each subsequent Friday through Tuesday until September 16 or further notice). Remaining coho quota of 19,489 converted to a non-mark-selective equivalent quota of 9,900 with an open period landing and possession limits of 15 Chinook and 100 coho (no fin clip requirement) for all areas south of the Queets River to Cape Falcon; and 15 Chinook and 20 adipose fin-clipped coho for all areas north of the Queets River to avoid exceeding quotas.
2) A bag limit adjustment to allow up to 2 Chinook and the retention of non-marked coho in the recreational salmon fishery in the area from Leadbetter Point to Cape Falcon effective Saturday, September 6.
3) The adoption of non-mark-selective coho sub-area quotas for the recreational fishery north of Cape Falcon as follows: Cape Falcon to Leadbetter Point – 10,750, Leadbetter Point to Queets River – 11,400, Queets River to Cape Alava – 1,500, Cape Alava to U.S./Canada border – 3,600.

September 10 NMFS inseason conference number 19 results in:

1) The closure of incidental retention of Pacific halibut in all areas south of the U.S./Canada Border effective 11:59 p.m. Thursday, September 11. Vessels in possession of any Pacific halibut must cease fishing for salmon until all Pacific halibut have been offloaded. All Pacific halibut must be landed and delivered no later than 11:59 p.m. Friday, September 12.
2) The reopening of the commercial salmon fishery from the U.S./Canada border to Cape Falcon Friday, September 12 through Tuesday, September 16 (this is the final open period for the 2014 ocean salmon seasons) with open period landing and possession limits of 15 Chinook and 200 non-mark-selective coho for all areas south of the Queets River to Cape Falcon; and 15 Chinook and 20 adipose fin-clipped coho for all areas north of the Queets River.
3) A transfer from the recreational non-mark-selective ocean coho quota in the Columbia River Ocean Salmon Management Area (Leadbetter Point to Cape Falcon) of 1,000 reducing the quota from 10,750 to 9,750. The coho were transferred to the Westport Ocean Salmon Management Area (Queets River to Leadbetter Point) resulting in a quota increase of 11,400 to 12,400.

**GENERAL MANAGEMENT ACTIONS AND INSEASON CONFERENCES (continued)**

September 17 NMFS inseason conference number 20 results in:

1) Impact-neutral transfers of 2,000 coho from the recreational non-mark-selective ocean coho quota in the Neah Bay and La Push Ocean Salmon Management Areas (U.S./Canada Border to Queets River) and 3,000 coho from the non-Indian commercial troll fishery to the Columbia River and Westport Ocean Salmon Management Areas (Queets River to Cape Falcon) resulting in sub-area quotas as follows: Cape Falcon to Leadbetter Point – 13,100, Leadbetter Point to Queets River – 13,750, Queets River to Cape Alava – 1,500, Cape Alava to U.S./Canada border – 1,600.
2) The closure of coho retention in the recreational salmon fishery from Cape Falcon to Humbug Mountain, Oregon effective Friday, September 19. The fishery remains open to the retention of all salmon except coho through October 31.
3) The closure of the recreational salmon fishery in the Westport Ocean Salmon Management Area (Leadbetter Point to Queets River) effective Friday, September 19 and in the Columbia River Ocean Salmon Management Area (Leadbetter Point to Cape Falcon) effective Sunday, September 21.
4) Increased the daily landing limit in the commercial salmon fishery in the California KMZ from 20 Chinook salmon per vessel per day to 30 Chinook salmon per vessel per day, effective Friday, September 19.

**NON-INDIAN COMMERCIAL TROLL SEASONS**

April 1 Cape Falcon to Humbug Mt. non-Indian commercial all-salmon-except-coho fishery open seven days per week.

April 1 Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery open.

May 1 U.S./Canada border to Cape Falcon non-Indian commercial all-salmon-except-coho fishery open May 1 through the earlier of June 30 or attainment of 39,200 Chinook quota (no more than 12,200 may be landed north of the Queets River). Days open modified inseason to extend the season and attain, but not exceed the quota.

May 1 Point Arena to U.S./Mexico border non-Indian commercial all-salmon-except-coho fishery opens a 137 day season through Sept. 30 north of Pigeon Point and a 91 day season through August 13 south of Pigeon Point (for specific days open see Table 1-1).

May 31 Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery closes as scheduled.

June 15 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. Landing and possession limit of 30 Chinook per day.

June 18 Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery closed due to quota attainment.

**NON-INDIAN COMMERCIAL TROLL SEASONS (continued)**

| | |
|---|---|
| June 19 | Horse Mt. to Point Arena non-Indian commercial all-salmon-except-coho fishery opens an 88 day season through Sept. 30 (for specific days open see Table 1-1). |
| July 1 | U.S./Canada border to Cape Falcon non-Indian commercial all-salmon fishery opens through the earlier of September 16 or attainment of 19,000 preseason Chinook guideline, of which no more than 8,700 may be caught north of the Queets River. For specific season dates and regulations see Table I-1 and Table C-5. |
| July 1 | Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery opens through the earlier of July 31 or attainment of 500 Chinook quota (modified on an impact-neutral basis to 574 Chinook in response to landings in the June quota fisheries in this area). Landing and possession limit of 15 Chinook per day. |
| July 2 | Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery close due to quota attainment. |
| Aug. 6 | Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery opens through the earlier of August 28 or attainment of 500 Chinook quota (modified inseason on an impact-neutral basis to 580 Chinook in response to landings in the June and July quota fisheries in this area). Landing and possession limit of 15 Chinook per day. For specific days open, see Table I-1. |
| Aug. 28 | Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery closes as scheduled. |
| Sept. 3–Oct 31 | Cape Falcon to Humbug Mt. non-Indian commercial all-salmon fishery opens seven days per week with a non-mark-selective coho quota of 5,300 (from an impact neutral transfer of a portion of the remaining June 21 - August 10 recreational mark-selective coho quota from Cape Falcon to the OR/CA border) and a landing and possession limit of 65 Chinook and one coho for each Chinook landed up to 20 coho per vessel per landing week (Wed.-Tues.). Non-mark selective coho fishery is open through the earlier of September 30 or attainment of quota. |
| Sept. 12 | Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery opens through the earlier of Sept. 27 or attainment of 500 Chinook quota. Landing and possession limit of 30 Chinook per day. |
| Sept. 12 | OR/CA border to Humboldt South Jetty non-Indian commercial all-salmon-except-coho fishery opens a Friday through Tuesday season through the earlier of Sept. 30 or attainment of 4,000 Chinook quota with a landing and possession limit of 20 Chinook per day. Effective September 19, landing and possession limit increased to 30 Chinook per day. |
| Sept. 16 | U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon fishery closes as scheduled. |
| Sept. 27 | Humbug Mt. to OR/CA border non-Indian commercial all-salmon-except-coho fishery closes as scheduled. |
| Sept. 30 | OR/CA border to Humboldt South Jetty non-Indian commercial all-salmon-except-coho fishery closes as scheduled. |
| Oct. 1 | Point Reyes to Point San Pedro non-Indian commercial all-salmon-except-coho fishery opens an 11 day Monday through Friday season through Oct. 15 (for specific dates see Table I-1). |

**TREATY INDIAN COMMERCIAL TROLL SEASONS**

| | |
|---|---|
| May 1 | All-salmon-except-coho fisheries open through the earlier of June 30 or attainment of 31,250 Chinook quota. |
| June 30 | All-salmon-except-coho fisheries closes as scheduled (see Table C-7). |
| July 1 | All-salmon fisheries open through the earlier of September 15, attainment of 31,250 Chinook quota (modified inseason to 33,022 to adjust for May-June landings), or a 62,500 non-mark-selective coho quota. |
| Sept. 15 | All-salmon fisheries closes as scheduled. |

**RECREATIONAL SEASONS**

| | |
|---|---|
| Mar. 15-June 20 | Cape Falcon to Humbug Mt. all-salmon-except-coho fishery open seven days per week with a 24-inch minimum size limit for Chinook. |
| Apr. 5-Nov. 9 | Horse Mt. to Point Arena all-salmon-except-coho fishery open seven days per week with a 20-inch minimum size limit for Chinook. |
| Apr. 5-Nov 9 | Point Arena to Pigeon Point all-salmon-except-coho fishery open seven days per week, with a 24-inch minimum size limit for Chinook through June 30, 20 inches thereafter. |
| Apr. 5-Oct 5 | Pigeon Point to the U.S./Mexico border all-salmon-except-coho fishery open seven days per week, with a 24-inch minimum size limit for Chinook. |
| May 10-June 20 | Humbug Mt. to OR/CA border all-salmon-except-coho fishery open seven days per week with a 24-inch minimum size limit for Chinook. |
| May 10-Sept. 7 | OR/CA border to Horse Mt. all-salmon-except-coho fishery open seven days per week with a 24-inch minimum size limit for Chinook. |
| May 16 | U.S./Canada border to Queets River WA (Neah Bay and La Push subareas) all-salmon-except-coho mark-selective Chinook fishery opens May 16-17, May 23-24, and May 31-June 13 or attainment of the U.S./Canada border to Cape Falcon quota of 9,000 marked Chinook. Fishery is open seven days per week with a 24-inch minimum size limit for Chinook. |
| May 31 | Queets River to Cape Falcon (Columbia River and Westport subarea) all-salmon-except-coho mark-selective Chinook fishery opens through the earlier of June 13 or attainment of the U.S./Canada border to Cape Falcon quota of 9,000 marked Chinook. Fishery is open seven days per week with a 24-inch minimum size limit for Chinook. |
| June 13 | U.S./Canada border to Cape Falcon all-salmon-except-coho mark-selective Chinook fishery closes as scheduled. |
| June 14 | Leadbetter Point to Cape Falcon, all-salmon mark-selective coho fishery opens though the earlier of September 30 or attainment of a 92,400 marked coho quota, with and 13,100 Chinook guideline seven days per week. Bag limit is two fish per day; no more than one Chinook per day. Beginning Sept. 6, modified inseason to two fish per day and a non-mark-selective coho fishery with remaining quota converted to an impact neutral quota of 13,100 coho.<br><br>Queets River to Leadbetter Point, all-salmon mark-selective coho fishery opens though the earlier of September 23 or attainment of a 68,380 marked coho quota, with a 27,600 Chinook guideline Seven days per week. Bag-limit, two fish per day; no more than one Chinook per day. Beginning Sept. 1, modified inseason to a non-mark-selective coho fishery with remaining quota converted to an impact-neutral quota of 13,750. Grays Harbor Control Zone closed beginning August 11. |

TABLE C-9. Sequence of events in ocean salmon fishery management, 2014.[a/] (Page 8 of 8)

**RECREATIONAL SEASONS**, (continued)

| | |
|---|---|
| June 14 (cont.) | U.S./Canada border to Cape Alava, all-salmon mark-selective coho fishery opens through the earlier of September 21 or attainment of a 19,230 marked coho quota, with a 7,000 Chinook guideline, seven days per week. Bag-limit is two fish per day; no more than one Chinook per day. Beginning Sept. 1, modified inseason to a non-mark-selective coho fishery with remaining quota converted to an impact-neutral quota of 1,600. |
| | Cape Alava to Queets River, all-salmon mark-selective coho fishery opens through the earlier of September 21 or attainment of a 4,750 marked coho quota, with a 2,350 Chinook guideline, seven days per week. Bag-limit is two fish per day; no more than one Chinook per day. Beginning Sept. 1, modified inseason to a non-mark-selective coho fishery with remaining quota converted to an impact-neutral quota of 1,500. |
| June 21 | Cape Falcon to OR/CA border all-salmon mark-selective-coho fishery opens through earlier of August 10 or attainment of an 80,000 marked coho quota. Fishery is open seven days per week with a 24-inch minimum size limit for Chinook. |
| Aug. 10 | Cape Falcon to OR/CA border all-salmon mark-selective-coho fishery closes as scheduled. |
| Aug. 11-29 | Cape Falcon to Humbug Mt. all-salmon-except-coho fishery open seven days per week with a 24-inch minimum size limit for Chinook. |
| Aug. 11-Sept. 7 | Humbug Mt. to OR/CA border all-salmon-except-coho fishery open seven days per week with a 24-inch minimum size limit for Chinook. |
| Aug. 30 | Cape Falcon to Humbug Mt., non-mark-selective coho fishery opens seven days per week through Sept. 30 or attainment of a 35,000 coho quota (20,000 preseason plus an impact-neutral roll-over of 15,000 from the July mark-selective fishery). |
| Sept. 19 | Queets River to Leadbetter Pt., recreational fishery closes as scheduled. |
| Sept. 19 | Cape Falcon to Humbug Mt, recreational non-mark-selective coho fishery closes due to coho quota attainment. |
| Sept. 20-Oct. 31 | Cape Falcon to Humbug Mt. all-salmon-except-coho fishery open seven days per week with a 24-inch minimum size limit for Chinook. |
| Sept. 21 | U.S./Canada border to Queets River recreational fishery closes as scheduled. |
| Sept. 21 | Leadbetter Pt. To Cape Falcon recreational fishery closes as scheduled. |
| Sept. 27 | 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 Oct. 12 or attainment of 50 Chinook quota or a 50 coho quota. |
| Oct. 12 | La Push area (48 00'00" N. Lat. to 47 50'00" N. Lat.), all-salmon mark-selective coho fishery closes as scheduled. |

a/ Unless stated otherwise, season openings or modifications of restrictions are effective at 00:01 hours of the listed date. Closures are effective at 23:59 hours of the listed date.

Page Intentionally Left Blank

## APPENDIX D
## HISTORICAL ECONOMIC DATA

### LIST OF TABLES

Page Intentionally Left Blank

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 | | | | | |
| Crescent City | | | | | | | | | | | | | | |
| 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 | - | - | - | 15.5 | 16.0 | - | - | 16.0 | - | - | - | - | - | - |
| 2012 | - | - | - | - | - | 11.7 | - | 11.7 | - | - | - | - | - | - |
| 2013 | - | 11.7 | 11.2 | 14.6 | 11.9 | 13.9 | - | 12.7 | - | - | - | - | - | - |
| 2014[b/] | - | - | - | - | - | 11.9 | - | 11.9 | - | - | - | - | - | - |
| Eureka | | | | | | | | | | | | | | |
| 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 | - | - | - | 13.7 | 11.7 | - | - | 13.3 | - | - | - | - | - | - |
| 2012 | - | - | - | - | - | 10.5 | - | 10.5 | - | - | - | - | - | - |
| 2013 | - | 9.1 | 11.2 | 11.0 | 11.9 | 11.2 | - | 10.7 | - | - | - | - | - | - |
| 2014[b/] | - | - | - | - | - | 12.0 | - | 12.0 | - | - | - | - | - | - |

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 | | | | | |
| Fort Bragg | | | | | | | | | | | | | | |
| 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 | - | - | - | 14.3 | 14.7 | 12.5 | - | 14.5 | - | - | - | - | - | - |
| 2012 | - | - | - | 11.3 | 12.1 | 12.2 | - | 11.6 | - | - | - | - | - | - |
| 2013 | - | 12.2 | 13.4 | 13.3 | 12.9 | 12.8 | - | 13.2 | - | - | - | - | - | - |
| 2014[b/] | - | - | 14.2 | 13.8 | 14.7 | 14.4 | - | 14.0 | - | - | - | - | - | - |
| San Francisco | | | | | | | | | | | | | | |
| 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 | - | 13.2 | 13.1 | 13.8 | 13.9 | 12.9 | 15.0 | 13.5 | - | - | - | - | - | - |
| 2012 | - | 10.4 | 11.4 | 11.8 | 12.8 | 13.1 | 12.9 | 11.6 | - | - | - | - | - | - |
| 2013 | - | 11.4 | 13.0 | 12.7 | 15.1 | 12.3 | 13.7 | 12.4 | - | - | - | - | - | - |
| 2014[b/] | - | 11.3 | 12.9 | 13.8 | 14.9 | 13.5 | 13.7 | 12.9 | - | - | - | - | - | - |

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 | - | 14.9 | 14.4 | 14.5 | 12.5 | 12.6 | - | 14.6 | - | - | - | - | - | - |
| 2012 | - | 10.7 | 13.3 | 13.9 | 12.5 | 11.6 | - | 12.2 | - | - | - | - | - | - |
| 2013 | - | 12.4 | 13.6 | 16.0 | 14.7 | 12.3 | - | 13.3 | - | - | - | - | - | - |
| 2014[b/] | - | 11.2 | 13.7 | 14.4 | 14.4 | - | - | 12.6 | - | - | - | - | - | - |
| **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 | - | 13.8 | 13.5 | 14.2 | 14.6 | 12.8 | 15.0 | 14.2 | - | - | - | - | - | - |
| 2012 | - | 10.5 | 12.3 | 12.1 | 12.5 | 12.0 | 12.9 | 11.7 | - | - | - | - | - | - |
| 2013 | - | 11.6 | 13.1 | 13.2 | 13.5 | 12.5 | 13.7 | 12.7 | - | - | - | - | - | - |
| 2014[b/] | - | 11.2 | 13.7 | 13.8 | 14.9 | 13.4 | 13.7 | 13.4 | - | - | - | - | - | - |

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 | - | 11.4 | 11.9 | 13.1 | 14.1 | 13.5 | 13.1 | 14.5 | 11.8 | - | 12.5 |
| 2012 | - | 9.5 | 10.3 | 10.3 | 10.9 | 10.5 | 9.8 | 9.6 | 11.3 | - | 10.1 |
| 2013 | - | 9.9 | 11.2 | 12.3 | 12.6 | 12.2 | 10.5 | 10.8 | 12.2 | - | 11.5 |
| 2014[a/] | - | 12.2 | 12.5 | 11.7 | 13.1 | 12.5 | 11.3 | 13.2 | 12.6 | - | 12.4 |
| | | | | | | 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 | - | - | - | - | 4.9 | 6.0 | 6.9 | - | - | - | 5.6 |
| 2012 | - | - | - | - | 4.2 | 5.6 | 6.3 | - | - | - | 6.1 |
| 2013 | - | - | - | - | 5.6 | 5.5 | 6.9 | - | - | - | 5.9 |
| 2014[a/] | - | - | - | - | 4.7 | 5.0 | 6.9 | - | - | - | 6.1 |

a/ Preliminary.

TABLE D-3. Washington monthly troll Chinook and coho salmon average dressed weights (pounds).[a/]

| | May | | June | | July | | Aug. | | Sept. | | Oct. | | Season | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | Treaty Indian | Non-Indian | Treaty Indian | Non-Indian | Treaty Indian | Non-Indian | Treaty Indian | Non-Indian | Treaty Indian | Non-Indian | 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 | - | - | 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 |
| 2012 | 7.6 | 10.2 | 7.9 | 10.8 | 10.6 | 13.6 | 11.9 | 14.7 | 8.8 | 11.9 | - | - | 9.4 | 11.8 |
| 2013 | 7.5 | 9.6 | 8.0 | 10.5 | 12.1 | 12.4 | 13.1 | 13.0 | 10.5 | 12.2 | - | - | 9.5 | 11.2 |
| 2014 | 8.3 | 10.9 | 9.8 | 12.6 | 12.0 | 13.1 | 11.1 | 13.4 | 9.1 | 12.8 | - | - | 10.1 | 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 | - | - | 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 |
| 2012 | - | - | - | - | 4.9 | 4.2 | 5.4 | 5.2 | 5.2 | 6.2 | - | - | 5.3 | 5.4 |
| 2013 | - | - | 4.4 | - | 4.5 | 4.5 | 4.9 | 5.4 | 7.0 | 6.5 | - | - | 5.1 | 5.2 |
| 2014 | - | - | 6.4 | - | 5.4 | 5.0 | 5.6 | 5.6 | 5.8 | 6.3 | - | - | 5.6 | 5.7 |

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 (2014 dollars) |
|---|---|---|---|---|---|---|
| 1960 | 6,221 | 3,339 | 1,365 | - | 2,446 | 15,161 |
| 1961-1965 | 7,772 | 4,206 | 1,586 | - | 2,642 | 15,212 |
| 1966-1970 | 7,925 | 4,327 | 2,088 | - | 2,089 | 10,724 |
| 1971-1975 | 7,917 | 6,338 | 2,542 | - | 2,461 | 9,880 |
| 1976-1980 | 7,233 | 12,083 | 3,997 | - | 2,989 | 8,433 |
| 1981-1985 | 5,082 | 11,826 | 3,729 | 4,920 | 3,099 | 6,216 |
| 1986-1990 | 8,392 | 21,532 | 2,487 | 3,622 | 8,593 | 14,225 |
| 1991-1995 | 3,083 | 7,550 | 1,447 | 2,960 | 5,171 | 7,354 |
| 1996-2000 | 4,337 | 7,091 | 852 | 2,068 | 8,223 | 10,586 |
| 2001 | 2,409 | 4,773 | 689 | 1,650 | 6,927 | 8,967 |
| 2002 | 5,008 | 7,776 | 708 | 1,586 | 10,982 | 14,002 |
| 2003 | 6,392 | 12,181 | 584 | 1,521 | 20,858 | 26,072 |
| 2004 | 6,230 | 17,895 | 741 | 1,511 | 24,150 | 29,379 |
| 2005 | 4,347 | 12,913 | 680 | 1,477 | 18,990 | 22,381 |
| 2006 | 1,043 | 5,350 | 477 | 1,408 | 11,216 | 12,825 |
| 2007 | 1,525 | 7,902 | 601 | 1,390 | 13,149 | 14,646 |
| 2008 | - | - | - | 1,306 | - | - |
| 2009 | - | - | - | 1,281 | - | - |
| 2010 | 228 | 1,246 | 215 | 1,239 | 5,794 | 6,206 |
| 2011 | 992 | 5,133 | 464 | 1,187 | 11,062 | 11,609 |
| 2012 | 2,530 | 13,521 | 616 | 1,171 | 21,950 | 22,629 |
| 2013 | 3,793 | 23,632 | 671 | 1,161 | 35,219 | 35,775 |
| 2014[b/] | 2,228 | 12,350 | 655 | 1,151 | 18,855 | 18,855 |

a/ Derived from vessel permit database 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 (2014 dollars) |
|---|---|---|---|---|---|---|
| 1974 | - | 7,937 | 2,253 | - | 3,523 | 12,456 |
| 1975 | - | 5,808 | 2,304 | - | 2,521 | 8,143 |
| 1976-1980[b/] | 6,679 | 8,185 | 3,875 | 4,314 | 2,112 | 4,796 |
| 1981-1985[c/d/] | 2,969 | 5,774 | 2,050 | 2,993 | 2,817 | 4,959 |
| 1986-1990 | 5,688 | 6,641 | 1,557 | 2,528 | 4,265 | 6,405 |
| 1991-1995[e/] | 1,265 | 3,294 | 476 | 1,465 | 6,920 | 9,202 |
| 1996-2000 | 1,428 | 3,063 | 399 | 1,062 | 7,677 | 9,389 |
| 2001[f/] | 2,949 | 4,721 | 449 | 1,175 | 10,515 | 13,611 |
| 2002[f/] | 3,498 | 5,391 | 468 | 1,175 | 11,519 | 14,686 |
| 2003[f/] | 3,681 | 7,222 | 494 | 1,178 | 14,620 | 18,275 |
| 2004[f/] | 2,920 | 9,919 | 595 | 1,181 | 16,670 | 20,280 |
| 2005[f/] | 2,691 | 8,503 | 565 | 1,168 | 15,050 | 17,737 |
| 2006[f/] | 499 | 2,701 | 357 | 1,127 | 7,565 | 8,650 |
| 2007 | 565 | 2,822 | 436 | 1,009 | 6,473 | 7,210 |
| 2008 | 70 | 494 | 138 | 1,092 | 3,579 | 3,909 |
| 2009 | 146 | 345 | 225 | 1,062 | 1,531 | 1,660 |
| 2010 | 513 | 2,791 | 370 | 1,021 | 7,543 | 8,079 |
| 2011 | 404 | 2,401 | 304 | 1,003 | 7,899 | 8,290 |
| 2012 | 745 | 4,271 | 369 | 990 | 11,576 | 11,934 |
| 2013 | 1,293 | 7,611 | 399 | 967 | 19,075 | 19,376 |
| 2014[g/] | 2,642 | 14,760 | 493 | 960 | 29,938 | 29,938 |

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 (2014 dollars) |
|---|---|---|---|---|---|---|
| 1978 | 4,746 | 10,025 | 3,041 | 3,291 | 3,297 | 8,847 |
| 1979 | 5,262 | 15,091 | 2,778 | 3,068 | 5,432 | 13,458 |
| 1980 | 3,398 | 7,114 | 2,626 | 2,797 | 2,709 | 6,151 |
| 1981-1985[b/c/] | 1,433 | 3,225 | 1,675 | 2,233 | 1,696 | 3,285 |
| 1986-1990 | 752 | 1,670 | 913 | 1,349 | 1,997 | 3,216 |
| 1991-1995[d/e/f/g/] | 345 | 834 | 397 | 586 | 1,607 | 2,250 |
| 1996-2000[h/i/j/] | 126 | 197 | 54 | 270 | 4,188 | 5,251 |
| 2001 | 290 | 383 | 57 | 169 | 6,718 | 8,696 |
| 2002 | 679 | 758 | 75 | 165 | 10,102 | 12,879 |
| 2003 | 875 | 991 | 82 | 163 | 12,087 | 15,108 |
| 2004 | 594 | 1,185 | 86 | 160 | 13,779 | 16,762 |
| 2005 | 481 | 1,290 | 91 | 158 | 14,170 | 16,701 |
| 2006 | 231 | 1,045 | 84 | 158 | 12,440 | 14,225 |
| 2007 | 217 | 953 | 79 | 158 | 12,062 | 13,435 |
| 2008 | 114 | 709 | 86 | 158 | 8,244 | 9,182 |
| 2009 | 291 | 1,169 | 97 | 158 | 12,051 | 13,066 |
| 2010 | 537 | 3,115 | 116 | 158 | 26,856 | 28,765 |
| 2011 | 339 | 1,687 | 112 | 158 | 15,066 | 15,811 |
| 2012 | 452 | 2,358 | 105 | 158 | 22,457 | 23,151 |
| 2013 | 481 | 2,838 | 108 | 157 | 26,275 | 26,689 |
| 2014 | 551 | 2,709 | 116 | 156 | 23,351 | 23,351 |

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)

| | Vessels | | | Catch[c/] | | |
|---|---|---|---|---|---|---|
| Year | Length Category (feet) | Number[b/] | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 2014[d/] | <20 | 41 | 6% | 512 | 20,979 | 1% |
| | 21-25 | 118 | 18% | 1,638 | 193,299 | 9% |
| | 26-30 | 104 | 16% | 1,919 | 199,615 | 9% |
| | 31-35 | 139 | 21% | 3,736 | 519,344 | 23% |
| | 36-40 | 109 | 17% | 5,178 | 564,412 | 25% |
| | 41-45 | 82 | 13% | 5,737 | 470,427 | 21% |
| | 46-50 | 41 | 6% | 4,253 | 174,364 | 8% |
| | 51-55 | 13 | 2% | 4,159 | 54,061 | 2% |
| | >56 | 8 | 1% | 3,958 | 31,660 | 1% |
| | TOTAL | 655 | | 3,402 | 2,228,161 | |
| 2013 | <20 | 41 | 6% | 1,429 | 58,595 | 2% |
| | 21-25 | 121 | 18% | 2,082 | 251,950 | 7% |
| | 26-30 | 113 | 17% | 2,792 | 315,498 | 8% |
| | 31-35 | 128 | 19% | 5,147 | 658,858 | 17% |
| | 36-40 | 111 | 17% | 7,490 | 831,408 | 22% |
| | 41-45 | 89 | 13% | 10,578 | 941,458 | 25% |
| | 46-50 | 51 | 8% | 10,696 | 545,502 | 14% |
| | 51-55 | 11 | 2% | 10,361 | 113,969 | 3% |
| | >56 | 6 | 1% | 12,697 | 76,183 | 2% |
| | TOTAL | 671 | | 5,653 | 3,793,421 | |
| 2012 | <20 | 42 | 7% | 890 | 37,386 | 1% |
| | 21-25 | 112 | 18% | 1,877 | 210,275 | 8% |
| | 26-30 | 99 | 16% | 2,556 | 253,024 | 10% |
| | 31-35 | 122 | 20% | 4,249 | 518,329 | 20% |
| | 36-40 | 104 | 17% | 5,638 | 586,352 | 23% |
| | 41-45 | 82 | 13% | 7,292 | 597,924 | 24% |
| | 46-50 | 41 | 7% | 6,171 | 252,996 | 10% |
| | 51-55 | 8 | 1% | 5,634 | 45,072 | 2% |
| | >56 | 6 | 1% | 4,838 | 29,026 | 1% |
| | TOTAL | 616 | | 4,108 | 2,530,384 | |
| 2011 | <20 | 27 | 6% | 252 | 6,795 | 1% |
| | 21-25 | 86 | 19% | 733 | 63,062 | 6% |
| | 26-30 | 79 | 17% | 889 | 70,270 | 7% |
| | 31-35 | 91 | 20% | 1,748 | 159,080 | 16% |
| | 36-40 | 86 | 19% | 3,175 | 273,088 | 28% |
| | 41-45 | 64 | 14% | 4,348 | 278,295 | 28% |
| | 46-50 | 23 | 5% | 4,782 | 109,992 | 11% |
| | 51-55 | 5 | 1% | 3,416 | 17,078 | 2% |
| | >56 | 3 | 1% | 4,679 | 14,037 | 1% |
| | TOTAL | 464 | | 2,137 | 991,697 | |
| 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 | |

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.[a/] (Page 2 of 5)

| | Vessels | | | Catch[c/] | | |
|---|---|---|---|---|---|---|
| Year | Length Category (feet) | Number[b/] | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 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 | |
| 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 | |

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.[a/] (Page 3 of 5)

| | Vessels | | | Catch[c/] | | |
|---|---|---|---|---|---|---|
| Year | Length Category (feet) | Number[b/] | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 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 | |
| 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 | |

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.[a/] (Page 4 of 5)

| | Vessels | | | Catch[c/] | | |
|---|---|---|---|---|---|---|
| Year | Length Category (feet) | Number[b/] | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 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 | |
| 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 | |

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.[a/] (Page 5 of 5)

| | Vessels | | | Catch[c/] | | |
|---|---|---|---|---|---|---|
| Year | Length Category (feet) | Number[b/] | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 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 | |
| 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 4)

| | Vessels | | | Catch | | |
|---|---|---|---|---|---|---|
| Year | Length Category (feet) | Number[a/] | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 2014[b/] | <20 | 3 | 1% | 1,201 | 3,603 | 1% |
| | 20-29 | 115 | 23% | 2,487 | 286,062 | 11% |
| | 30-39 | 159 | 32% | 5,220 | 829,910 | 31% |
| | 40-49 | 169 | 34% | 7,377 | 1,246,690 | 47% |
| | >50 | 47 | 10% | 5,870 | 275,913 | 10% |
| | TOTAL | 493 | | 5,359 | 2,642,178 | |
| 2013 | <20 | 4 | 1% | 1,215 | 4,858 | 7% |
| | 20-29 | 102 | 26% | 1,825 | 186,110 | 14% |
| | 30-39 | 127 | 32% | 4,015 | 509,844 | 39% |
| | 40-49 | 138 | 35% | 3,794 | 523,542 | 40% |
| | >50 | 28 | 7% | 2,524 | 70,679 | 5% |
| | TOTAL | 399 | | 3,246 | 1,295,033 | |
| 2012 | <20 | c/ | c/ | c/ | c/ | c/ |
| | 20-29 | 93 | 25% | 919 | 85,423 | 11% |
| | 30-39 | 124 | 34% | 2,290 | 283,943 | 38% |
| | 40-49 | 122 | 33% | 2,697 | 329,070 | 44% |
| | >50 | 30 | 8% | 1,558 | 46,727 | 6% |
| | TOTAL | 369 | | 2,019 | 745,163 | |
| 2011 | <20 | 3 | 1% | 1,157 | 3,472 | 2% |
| | 20-29 | 80 | 26% | 602 | 48,146 | 147% |
| | 30-39 | 102 | 34% | 1,308 | 133,379 | 33% |
| | 40-49 | 97 | 32% | 1,927 | 186,892 | 46% |
| | >50 | 22 | 7% | 1,491 | 32,792 | 8% |
| | TOTAL | 304 | | 1,331 | 404,681 | |
| 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 | |

TABLE D-8. Oregon salmon troll boat-size catch statistics in pounds of dressed salmon. (Page 2 of 4)

| | Vessels | | | Catch | | |
|---|---|---|---|---|---|---|
| Year | Length Category (feet) | Number[a/] | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 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 | |
| 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 | |

TABLE D-8. Oregon salmon troll boat-size catch statistics in pounds of dressed salmon. (Page 3 of 4)

| | Vessels | | | Catch | | |
|---|---|---|---|---|---|---|
| Year | Length Category (feet) | Number[a/] | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 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 | |
| 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 | |

TABLE D-8. Oregon salmon troll boat-size catch statistics in pounds of dressed salmon. (Page 4 of 4)

| | Vessels | | | Catch | | |
|---|---|---|---|---|---|---|
| Year | Length Category (feet) | Number[a/] | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 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)

| | Vessels | | | Catch | | |
|---|---|---|---|---|---|---|
| Year | Length Category (feet) | Number[c/] | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 2014 | <25 | 11 | 9% | 3,456 | 38,021 | 7% |
| | 25-36 | 34 | 29% | 4,772 | 162,253 | 29% |
| | >36 | 71 | 61% | 4,936 | 350,480 | 64% |
| | Unknown | 0 | 0% | 0 | 0 | 0% |
| | TOTAL | 116 | | 4,748 | 550,754 | |
| 2013 | <25 | 9 | 8% | 1,993 | 17,937 | 4% |
| | 25-36 | 34 | 31% | 3,616 | 122,956 | 26% |
| | >36 | 60 | 56% | 5,623 | 337,374 | 70% |
| | Unknown | 5 | 5% | 599 | 2,993 | 1% |
| | TOTAL | 108 | | 4,456 | 481,260 | |
| 2012 | <25 | 8 | 8% | 2,389 | 19,110 | 4% |
| | 25-36 | 32 | 30% | 3,687 | 117,999 | 26% |
| | >36 | 65 | 62% | 4,849 | 315,197 | 70% |
| | Unknown | e/ | e/ | e/ | e/ | e/ |
| | TOTAL | 105 | | 4,308 | 452,306 | |
| 2011 | <25 | 12 | 11% | 1,329 | 15,946 | 5% |
| | 25-36 | 33 | 29% | 3,002 | 99,059 | 29% |
| | >36 | 67 | 60% | 3,363 | 225,317 | 66% |
| | Unknown | e/ | e/ | e/ | e/ | e/ |
| | TOTAL | 112 | | 3,039 | 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 | | 4,739 | 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 | | 3,012 | 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 | | 1,330 | 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 | | 2,759 | 217,934 | |
| 2006 | <25 | 3 | 4% | 2,398 | 7,194 | 3% |
| | 25-36 | 24 | 29% | 1,983 | 47,593 | 21% |
| | >36 | 57 | 68% | 3,103 | 176,873 | 76% |
| | Unknown | e/ | e/ | e/ | e/ | e/ |
| | TOTAL | 84 | | 2,758 | 231,660 | |

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: Length Category (feet) | Vessels: Number[c/] | Vessels: Percent of Total | Catch: Average Per Boat (pounds) | Catch: Total (pounds) | Catch: Percent of Total |
|---|---|---|---|---|---|---|
| 2005 | <25 | 6 | 7% | 4,309 | 25,854 | 5% |
| | 25-36 | 24 | 26% | 4,801 | 115,228 | 24% |
| | >36 | 61 | 67% | 5,565 | 339,488 | 71% |
| | Unknown | e/ | e/ | e/ | e/ | e/ |
| | TOTAL | 91 | | 5,281 | 480,570 | |
| 2004 | <25 | 8 | 9% | 4,463 | 35,700 | 6% |
| | 25-36 | 20 | 23% | 5,797 | 115,933 | 20% |
| | >36 | 58 | 67% | 7,636 | 442,879 | 74% |
| | Unknown | e/ | e/ | e/ | e/ | e/ |
| | 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 | |
| 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 | 14 | 61% | 4,493 | 62,907 | 77% |
| | Unknown | e/ | e/ | e/ | e/ | e/ |
| | TOTAL | 23 | | 3,547 | 81,591 | |
| 1997 | <25 | 7 | 14% | 322 | 2,253 | 3% |
| | 25-36 | 16 | 31% | 1,468 | 23,491 | 29% |
| | >36 | 28 | 55% | 1,972 | 55,203 | 68% |
| | Unknown | e/ | e/ | e/ | e/ | e/ |
| | TOTAL | 51 | | 1,587 | 80,947 | |

TABLE D-9. Washington non-Indian salmon troll boat-size catch statistics in pounds of dressed salmon.[a/b/] (Page 3 of 3)

| | Vessels | | | Catch | | |
|---|---|---|---|---|---|---|
| Year | Length Category (feet) | Number[c/] | Percent of Total | Average Per Boat (pounds) | Total (pounds) | Percent of Total |
| 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 | |
| 1994[d/] | <25 | 0 | - | - | - | - |
| | 25-36 | 0 | - | - | - | - |
| | >36 | e/ | e/ | e/ | e/ | e/ |
| | Unknown | 0 | - | - | - | - |
| | TOTAL | e/ | e/ | e/ | e/ | e/ |
| 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.

e/ Fewer than three vessels. Values combined with nearest category to preserve confidentiality.

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, 2014.

| Port | Length Category (feet) | Number of Deliveries | Total Dressed Pounds Landed | Total Exvessel Value (dollars) | Percent Exvessel Value Landed in Port |
|---|---|---|---|---|---|
| Crescent City | <26 | - | - | - | - |
| | 26-36 | 5 | 3,378 | 16,126 | 12% |
| | >36 | 28 | 23,441 | 119,755 | 88% |
| | TOTAL | 33 | 26,819 | 135,881 | |
| Eureka | <26 | 10 | 1,803 | 8,598 | 2% |
| | 26-36 | 48 | 22,969 | 110,860 | 21% |
| | >36 | 107 | 85,376 | 414,106 | 78% |
| | TOTAL | 165 | 110,148 | 533,564 | |
| Shelter Cove | <26 | 114 | 17,222 | 94,055 | 80% |
| | 26-36 | 23 | 3,972 | 23,306 | 20% |
| | >36 | a/ | a/ | a/ | 0% |
| | TOTAL | 137 | 21,194 | 117,361 | |
| Fort Bragg[b/] | <26 | 331 | 84,421 | 404,348 | 8% |
| | 26-36 | 718 | 332,584 | 1,653,497 | 32% |
| | >36 | 691 | 596,385 | 3,062,470 | 60% |
| | TOTAL | 1,740 | 1,013,390 | 5,120,315 | |
| Bodega Bay | <26 | 298 | 38,470 | 246,667 | 10% |
| | 26-36 | 637 | 143,990 | 829,805 | 33% |
| | >36 | 657 | 245,951 | 1,471,324 | 58% |
| | TOTAL | 1,592 | 428,411 | 2,547,796 | |
| San Francisco | <26 | 358 | 37,334 | 239,813 | 12% |
| | 26-36 | 358 | 114,071 | 647,733 | 31% |
| | >36 | 412 | 200,222 | 1,182,483 | 57% |
| | TOTAL | 1,128 | 351,627 | 2,070,029 | |
| Half Moon Bay | <26 | 26 | 1,306 | 8,594 | 1% |
| | 26-36 | 202 | 52,611 | 358,843 | 31% |
| | >36 | 323 | 124,151 | 788,255 | 68% |
| | TOTAL | 551 | 178,068 | 1,155,692 | |
| Santa Cruz | <26 | 133 | 8,913 | 67,737 | 36% |
| | 26-36 | 117 | 12,265 | 86,748 | 46% |
| | >36 | 35 | 4,801 | 33,804 | 18% |
| | TOTAL | 285 | 25,979 | 188,289 | |
| Moss Landing | <26 | 151 | 8,066 | 52,926 | 30% |
| | 26-36 | 155 | 11,535 | 67,516 | 39% |
| | >36 | 63 | 8,439 | 54,026 | 31% |
| | TOTAL | 369 | 28,040 | 174,468 | |
| Monterey | <26 | 156 | 9,612 | 64,317 | 41% |
| | 26-36 | 111 | 12,836 | 81,375 | 51% |
| | >36 | 25 | 1,931 | 12,677 | 8% |
| | TOTAL | 292 | 24,379 | 158,369 | |
| Morro Bay south | <26 | 134 | 7,130 | 53,113 | 36% |
| | 26-36 | 139 | 8,905 | 62,786 | 42% |
| | >36 | 51 | 4,071 | 32,300 | 22% |
| | TOTAL | 324 | 20,106 | 148,199 | |

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 2014 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 | 88 | 26,630 | 122,177 | 29% |
| | >36 | 19 | 184 | 56,831 | 304,513 | 71% |
| | Unknown | - | - | - | - | - |
| | TOTAL | 27 | 272 | 83,461 | 426,690 | |
| La Push | <25 | 5 | 73 | 14,353 | 51,671 | 11% |
| | 25-36 | 6 | 173 | 33,894 | 136,874 | 28% |
| | >36 | 11 | 210 | 66,126 | 303,342 | 62% |
| | Unknown | - | - | - | - | - |
| | TOTAL | 22 | 456 | 114,373 | 491,887 | |
| Westport | <25 | 5 | 83 | 11,505 | 39,782 | 4% |
| | 25-36 | 23 | 367 | 91,106 | 399,265 | 39% |
| | >36 | 50 | 437 | 126,020 | 597,592 | 58% |
| | Unknown | - | - | - | - | - |
| | TOTAL | 78 | 887 | 228,631 | 1,036,639 | |
| Ilwaco | <25 | 0 | - | - | - | - |
| | 25-36 | 3 | 86 | 22,786 | 126,942 | 17% |
| | >36 | 36 | 305 | 101,368 | 625,601 | 83% |
| | Unknown | - | - | - | - | - |
| | TOTAL | 39 | 391 | 124,154 | 752,543 | |
| Puget Sound[d/] | <25 | - | - | - | - | - |
| | 25-36 | - | - | - | - | - |
| | >36 | c/ | c/ | c/ | c/ | c/ |
| | 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.

| | | 50 Percent of Pounds Landed | | 90 Percent of Pounds Landed | |
|---|---|---|---|---|---|
| Year | Total Vessels | 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 | 464 | 58 | 12.5% | 204 | 44.0% |
| 2012 | 616 | 100 | 16.2% | 312 | 50.6% |
| 2013 | 671 | 103 | 15.4% | 328 | 48.9% |
| 2014[a/] | 655 | 97 | 14.8% | 303 | 46.3% |

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/]

| | | 50% of Pounds Landed | | 90% of Pounds Landed | |
|---|---|---|---|---|---|
| Year | Total Vessels | 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 | 304 | 32 | 10.5% | 113 | 37.2% |
| 2012 | 369 | 41 | 11.1% | 144 | 39.0% |
| 2013 | 399 | 52 | 13.0% | 158 | 39.6% |
| 2014[b/] | 493 | 63 | 12.8% | 184 | 37.3% |

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/]

| | | 50% of Fish Landed | | 90% of Fish Landed | |
|---|---|---|---|---|---|
| Year | Total Vessels | 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/] | <3 | 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% |
| 2012 | 105 | 24 | 22.9% | 67 | 63.8% |
| 2013 | 108 | 25 | 23.1% | 67 | 62.0% |
| 2014 | 116 | 31 | 26.7% | 79 | 68.1% |

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 2014 California, Oregon, and Washington troll fleet by home state (number of vessels, salmon landings, and exvessel value)[a/]

| Home State | Number of Vessels | Percent | Landings (Pounds) | Percent | Total Value ($ thousands) | Percent |
|---|---|---|---|---|---|---|
| | | | **CALIFORNIA** | | | |
| California | 625 | 95% | 2,131,426 | 96% | 11,838 | 96% |
| Oregon | 13 | 2% | 39,022 | 2% | 195 | 2% |
| Washington | 8 | 1% | 44,701 | 2% | 252 | 2% |
| Unknown/Other | 9 | 1% | 13,012 | 1% | 65 | 1% |
| TOTAL | 655 | | 2,228,161 | | 12,350 | |
| | | | **OREGON** | | | |
| Oregon | 361 | 73% | 1,801,839 | 68% | 10,327 | 70% |
| California | 71 | 14% | 424,720 | 16% | 2,270 | 15% |
| Washington | 54 | 11% | 392,384 | 15% | 2,046 | 14% |
| Unknown/Other | 7 | 1% | 23,235 | 1% | 133 | 1% |
| TOTAL | 493 | | 2,642,178 | | 14,776 | |
| | | | **WASHINGTON** | | | |
| Washington | 109 | 94% | 531,136 | 96% | 2,613 | 96% |
| Oregon | 7 | 6% | 19,639 | 4% | 96 | 4% |
| California | 0 | 0% | 0 | 0% | 0 | 0% |
| Unknown/Other | 0 | 0% | 0 | 0% | 0 | 0% |
| TOTAL | 116 | | 550,775 | | 2,709 | |

a/ Pink salmon excluded, except Oregon.

TABLE D-16. Vessels landing salmon in California by vessel length and skipper's state of residence.

| | Home State[a/] | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | California (length) | | | | Oregon (length) | | | | Washington (length) | | | | Total (length)[b/] | | | Grand |
| Year | <26 | 26-36 | >36 | Subtotal | <26 | 26-36 | >36 | Subtotal | <26 | 26-36 | >36 | Subtotal | <26 | 26-36 | >36 | Total[c/] |
| 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 | 110 | 166 | 169 | 445 | 0 | 2 | 9 | 11 | 1 | 0 | 2 | 3 | 113 | 170 | 181 | 464 |
| 2012 | 151 | 213 | 218 | 582 | 0 | 4 | 14 | 18 | 0 | 1 | 8 | 9 | 154 | 221 | 241 | 616 |
| 2013 | 158 | 233 | 243 | 634 | 1 | 3 | 16 | 20 | 1 | 1 | 9 | 11 | 162 | 241 | 268 | 671 |
| 2014[e/] | 154 | 235 | 236 | 625 | 1 | 3 | 9 | 13 | 1 | 1 | 6 | 8 | 159 | 243 | 253 | 655 |

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 | 84.2% | 5.6% | 9.2% | 1.0% |
| 2012 | 82.4% | 4.3% | 11.9% | 1.4% |
| 2013 | 79.4% | 8.5% | 11.0% | 1.0% |
| 2014[a/] | 73.2% | 14.4% | 11.0% | 1.4% |

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% |
| 2012 | 85.7% | 11.4% | 1.9% | 0.0% | 1.0% |
| 2013 | 86.1% | 9.3% | 0.0% | 0.0% | 4.6% |
| 2014 | 94.0% | 6.0% | 0.0% | 0.0% | 0.0% |

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 | | | | | |
|---|---|---|---|---|---|---|---|
| | | Monterey | San Francisco | Fort Bragg | Eureka | Crescent City | Total |
| 2014[b/] | Active | 10 | 32 | 10 | 9 | 0 | 61 |
| | Casual | 10 | 40 | 3 | 4 | 2 | 59 |
| | TOTAL | 20 | 72 | 13 | 13 | 2 | 120 |
| 2013 | Active | 5 | 44 | 9 | 10 | 0 | 68 |
| | Casual | 11 | 25 | 3 | 3 | 1 | 43 |
| | TOTAL | 16 | 69 | 12 | 13 | 1 | 111 |
| 2012 | Active | 14 | 38 | 7 | 8 | 1 | 68 |
| | Casual | 11 | 24 | 3 | 3 | 0 | 41 |
| | TOTAL | 25 | 62 | 10 | 11 | 1 | 109 |
| 2011 | 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 | 39 |
| | Casual | 21 | 25 | 6 | 4 | 0 | 56 |
| | TOTAL | 23 | 49 | 12 | 11 | 0 | 95 |
| 2006 | Active | 9 | 41 | 10 | 5 | 0 | 65 |
| | Casual | 15 | 17 | 1 | 4 | 0 | 37 |
| | TOTAL | 24 | 58 | 11 | 9 | 0 | 102 |
| 2005 | Active | 16 | 46 | 10 | 5 | 0 | 77 |
| | Casual | 9 | 17 | 1 | 3 | 0 | 30 |
| | TOTAL | 25 | 63 | 11 | 8 | 0 | 107 |
| 2004 | Active | 16 | 48 | 11 | 8 | 0 | 83 |
| | Casual | 7 | 12 | 1 | 1 | 1 | 22 |
| | TOTAL | 23 | 60 | 12 | 9 | 1 | 105 |
| 2003 | Active | 10 | 43 | 11 | 3 | 0 | 67 |
| | Casual | 14 | 10 | 2 | 4 | 0 | 30 |
| | TOTAL | 24 | 53 | 13 | 7 | 0 | 97 |
| 2002 | Active | 17 | 50 | 13 | 5 | 0 | 85 |
| | Casual | 23 | 6 | 4 | 2 | 0 | 35 |
| | TOTAL | 40 | 56 | 17 | 7 | 0 | 120 |
| 2001 | Active | 17 | 40 | 10 | 4 | 0 | 71 |
| | Casual | 6 | 21 | 2 | 1 | 1 | 31 |
| | TOTAL | 23 | 61 | 12 | 5 | 1 | 102 |

a/ Active vessels landed more than 100 salmon; casual vessels landed 100 salmon or less.

b/ 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 |
| 2012 | 252 | 204 | 42 | 6 |
| 2013[c/] | NA | NA | NA | NA |
| 2014 | 64 | 60 | 4 | 0 |

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 reinstituted by rule in 1988 and 1989 with a $10 fee.

b/ Beginning 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.

c/ Beginning in 2013, only vessels of over 6 passengers with a valid USCG Certificate of Inspection can obtain an Oregon Charter Boat License due to change in Oregon law. Smaller vessels, previously included as charter boats, are categorized as guides/outfitters.

TABLE D-21. Number of salmon charter boats licensed in Washington (including Puget Sound).

| Year | Number of Licenses Issued | Washington Resident License Holders | Other State Resident License Holders | Buyback |
|---|---|---|---|---|
| 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 | 142 | 137 | 5 | 0 |
| 2010 | 142 | 137 | 5 | 0 |
| 2011 | 142 | 136 | 6 | 0 |
| 2012 | 142 | 135 | 7 | 0 |
| 2013 | 142 | 137 | 5 | 0 |
| 2014[b/] | 141 | 138 | 3 | 0 |

a/ First year moratorium in effect.

b/ Preliminary.

TABLE D-22. Price index.[a/]

| Year | Price Index |
|---|---|
| 1960 | 16.1 |
| 1961 | 17.3 |
| 1962 | 17.6 |
| 1963 | 17.8 |
| 1964 | 18.0 |
| 1965 | 18.4 |
| 1966 | 18.9 |
| 1967 | 19.5 |
| 1968 | 20.3 |
| 1969 | 21.3 |
| 1970 | 22.4 |
| 1971 | 23.6 |
| 1972 | 24.6 |
| 1973 | 25.9 |
| 1974 | 28.3 |
| 1975 | 31.0 |
| 1976 | 32.7 |
| 1977 | 34.8 |
| 1978 | 37.3 |
| 1979 | 40.4 |
| 1980 | 44.0 |
| 1981 | 48.2 |
| 1982 | 51.1 |
| 1983 | 53.1 |
| 1984 | 55.1 |
| 1985 | 56.8 |
| 1986 | 58.1 |
| 1987 | 59.7 |
| 1988 | 61.8 |
| 1989 | 64.1 |
| 1990 | 66.6 |
| 1991 | 69.0 |
| 1992 | 70.6 |
| 1993 | 72.2 |
| 1994 | 73.7 |
| 1995 | 75.2 |
| 1996 | 76.6 |
| 1997 | 78.0 |
| 1998 | 78.9 |
| 1999 | 80.0 |
| 2000 | 81.8 |
| 2001 | 77.3 |
| 2002 | 78.4 |
| 2003 | 80.0 |
| 2004 | 82.2 |
| 2005 | 84.8 |
| 2006 | 87.5 |
| 2007 | 89.8 |
| 2008 | 91.5 |
| 2009 | 92.2 |
| 2010 | 93.4 |
| 2011 | 95.3 |
| 2012 | 97.0 |
| 2013 | 98.4 |
| 2014 | 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.

Page Intentionally Left Blank

## APPENDIX E
## COMPARING SALMON INCOME IMPACT ESTIMATES FROM IO-PAC AND FEAM MODELS

### LIST OF TABLES

Page Intentionally Left Blank

**Comparing Salmon Income Impact Estimates from IO-PAC and FEAM Models**

The Council is in the process of transitioning its fisheries economic impact estimation methods from models developed based on key informant interview data and the Fisheries Economic Assessment Model (FEAM) to a structure based on survey-based data collections and the NWFSC's IO-PAC model. The Council first started using IO-PAC-based multipliers for commercial and recreational fisheries in its analysis of the 2013-2014 groundfish harvest specifications.[1]

The main issue delaying the adoption of IO-PAC-based multipliers to analyze commercial Pacific salmon fisheries was the different treatment of seafood processing cost structures assumed between the FEAM and IO-PAC-based models. The FEAM model for commercial salmon fisheries was developed assuming that processing costs were more a function of the weight of salmon processed than the ex-vessel value of raw fish delivered to the processor. The IO-PAC model for commercial fisheries assumes total processing costs are a fixed proportion of the exvessel value of raw fish purchased by the processor. This difference was perceived to be relatively more significant for salmon fisheries than for most groundfish fisheries due to the wide variations in exvessel prices between different salmon species (e.g., Chinook generally command a higher price than coho, chum and pinks), and among stocks or runs within the same species (e.g., in Columbia River fisheries, spring Chinook command a higher price than Chinook salmon caught later in the year)[2].

Results of a statistical analysis of processor cost data collected by the West Coast Economic Data Collection (EDC) program were presented to the Science and Statistical Committee's Economics Subcommittee in September 2014. Linear regressions were performed using several years of available EDC data to test alternative hypotheses that processors' revenues were proportional to either (1) the weight (weight-based approach) or (2) the cost (dollar markup or cost-based approach) of salmon purchased by processors. Results of the analysis showed that the weight-based approach appeared to fit the 2012 data better than the cost-based approach and also supported differential treatment for Chinook versus other salmon species. However similar regressions run using 2011 data yielded implausible results for the weight-based approach. Although regression results under the cost-based hypothesis didn't always fit the data as well as the weight-based approach, the results were at least plausible (i.e., non-negative) for all years examined. Although there appears to be merit to both approaches, based on the lack of consistency in regression results for the weight-based approach, the SSC recommended that IO-PAC multipliers be used along with the cost-based approach to estimate processors' contributions and calculate income impacts of commercial salmon fisheries going forward.

IO-PAC-based multipliers for estimating recreational fisheries economic impacts have been in use for groundfish fisheries since the 2013-14 groundfish harvest specifications, but had not yet been applied to recreational salmon fisheries. Both IO-PAC and FEAM-based methods apply fixed estimates of recreational anglers' fishing trip-related expenditures to the official counts of recreational angler trips by region and

[1] For a detailed description of IO-PAC see Appendix 2, pages A24-A69 in:
http://www.pcouncil.org/wp-content/uploads/GF15_16_SpexFEISJanuary2015.pdf

A technical description of a FEAM-type commercial fishery model can be found beginning on page 107 in: http://www.afsc.noaa.gov/Publications/ProcRpt/PR%202005-01.pdf

[2] Although trollers may expend a similar amount of time, labor and other inputs pursuing different types of salmon, they can earn much higher revenues catching the higher-valued fish. Similarly while a troll-caught Chinook may cost processors three times as much as a similar size coho, the time and resources required to process the two fish are likely to be similar.

"mode" (charter vessel, private vessel, or jetty). Compared with the FEAM-based estimates, the IO-PAC recreational income impact multipliers were constructed using more current regional economic data and a more recent survey of angler expenditures. The SSC therefore recommended that IO_PAC multipliers be used for calculating income impacts of recreational salmon fisheries going forward.

The Council adopted the SSC recommendations at its November 2014 meeting. Consequently, IO-PAC-based multipliers will be used for estimating both commercial and recreational salmon fishery income impacts displayed in the *Review of 2014 Ocean Salmon Fisheries* and in all subsequent salmon review and other pre-season process documents. However since the economic data underlying the IO-PAC models has only been available relatively recently, comparisons of results between the FEAM and IO-PAC models are limited to years from 2010 onward. In the following tables, income impact estimates are displayed in terms of thousands of inflation-adjusted 2014 dollars by year and region during the 2010-2014 period.

Table E-1 compares estimated commercial troll salmon fisheries income impacts calculated using IO-PAC and FEAM-based models each year during 2010-2014. The table also shows for each port area the "Processed Share", or the proportion of salmon revenue landed that is assumed to be processed in the port area. In the FEAM-based model this was assumed to be 100% in all cases. IO-PAC income impact estimates generally tend to be smaller than FEAM estimates for most port areas with the exception of Ilwaco, Coos Bay and San Francisco. IO-PAC state-level multipliers for the State of Oregon model are also somewhat larger than FEAM. The largest discrepancy between the two models' estimates in percentage terms occurs for ports like Tillamook, Brookings and Crescent City where IO-PAC incorporates a very low local processing share. This factor accounts for at least some of the difference in estimated impacts for ports where the IO-PAC processed share parameter is less than 100%[3].

Table E-2 compares estimated recreational salmon fisheries income impacts calculated using IO-PAC and FEAM-based models each year during 2010-2014. IO-PAC recreational multipliers are greater than FEAM-based estimates for all port areas (local-level and state-level models) except Tillamook. In many cases the discrepancies between the two models' estimates are greater than 50 percent. Most of the difference is presumably attributable to the much more recent angler expenditure data used to calibrate the IO-PAC multipliers.

The differences in data, assumptions and methodologies mean that estimates generated by the two models are not directly comparable. That is, it may be meaningless to compare more recent income impacts in a particular region to those prior to 2010, when at least a portion of the apparent change may actually be the result of switching to a new model. Consequently any comparisons of income impacts over time in Chapter IV are confined to pointing out trends appearing over 2010-2014, during which period the IO-PAC-based models and multipliers are applied. Those wishing to illustrate the magnitude of recent fisheries relative to earlier (pre-2010) historical periods may find annual exvessel value data for the commercial fishery and the total number of angler-trips in the recreational fishery useful for that purpose.

[3] Another factor is that the multipliers used in the FEAM commercial salmon impact model were calibrated from a 1998 IMPLAN model and year 2000 PacFIN landings and key informant-based estimates of costs; whereas the IO-PAC model is based on much more current landings and survey-based economic data.

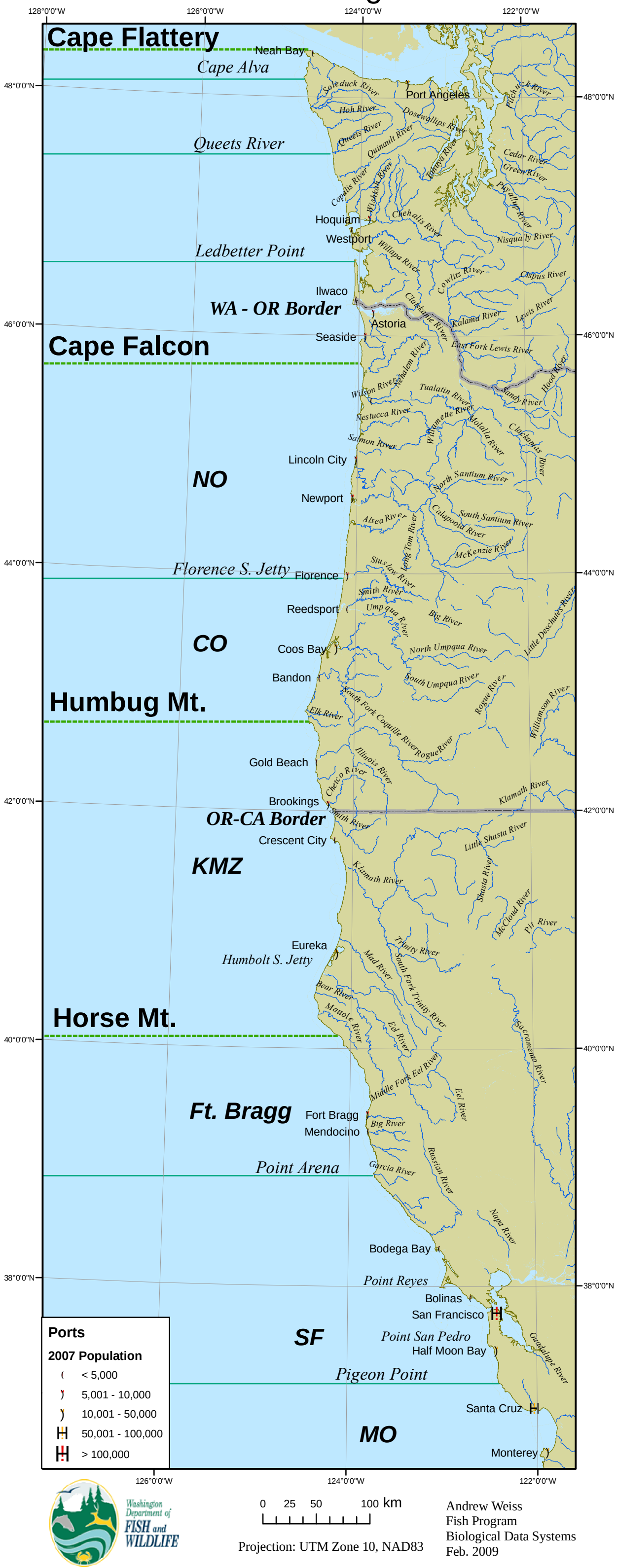
TABLE E-1. Comparison of Income Impact Estimates from IO-PAC and FEAM Models of Pacific Ocean Troll and Columbia River Net Commercial Salmon Fisheries by State and Port Area [Thousands of inflation-adjusted 2014 dollars]..

| Model: | State-Level Model Impacts | | | Local-Level Model Impacts | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishery: | Pacific Ocean Troll Fishery | | | | | | | | | | | | | | | | | Col. River Net Fishery | |
| | Washington | Oregon | California | Neah Bay | La Push | Westport | Ilwaco | Astoria | Tilla-mook | Newport | Coos Bay | Brookings | Crescent City | Eureka | Fort Bragg | San Francisco | Monterey | Washington | Oregon |
| **2010** | | | | | | | | | | | | | | | | | | | |
| IOPAC | 5,270.6 | 5,066.2 | 1,730.5 | 240.1 | 385.2 | 3,676.1 | 90.9 | 929.9 | 152.4 | 1,241.4 | 1,087.9 | 183.8 | 0.0 | 32.9 | 1,444.9 | 154.5 | 98.2 | 7,864.3 | 6,818.3 |
| FEAM | 5,252.7 | 4,258.2 | 2,236.8 | 341.7 | 537.2 | 4,061.4 | 88.2 | 961.8 | 279.4 | 1,396.2 | 947.6 | 373.8 | 0.0 | 35.9 | 1,811.4 | 142.9 | 163.7 | 11,132.5 | 9,901.4 |
| % diff (IOPAC-FEAM) | +0.3% | +19.0% | -22.6% | -29.7% | -28.3% | -9.5% | +3.0% | -3.3% | -45.4% | -11.1% | +14.8% | -50.8% | | -8.4% | -20.2% | +8.1% | -40.0% | -29.4% | -31.1% |
| **2011** | | | | | | | | | | | | | | | | | | | |
| IOPAC | 2,896.6 | 4,360.6 | 7,719.6 | 551.1 | 218.7 | 1,344.4 | 91.7 | 234.3 | 56.1 | 507.9 | 2,263.7 | 252.4 | 34.5 | 422.4 | 4,062.5 | 2,573.4 | 626.9 | 9,485.2 | 5,984.9 |
| FEAM | 2,919.5 | 3,557.4 | 9,095.6 | 780.0 | 307.8 | 1,456.8 | 86.9 | 239.0 | 101.1 | 555.4 | 1,903.2 | 512.7 | 69.1 | 444.7 | 5,035.2 | 2,262.6 | 995.1 | 12,616.5 | 8,518.0 |
| % diff (IOPAC-FEAM) | -0.8% | +22.6% | -15.1% | -29.4% | -28.9% | -7.7% | +5.4% | -2.0% | -44.5% | -8.5% | +18.9% | -50.8% | -50.1% | -5.0% | -19.3% | +13.7% | -37.0% | -24.8% | -29.7% |
| **2012** | | | | | | | | | | | | | | | | | | | |
| IOPAC | 4,025.8 | 7,729.1 | 20,665.1 | 825.4 | 479.1 | 1,405.4 | 224.0 | 691.0 | 273.4 | 1,909.7 | 2,213.8 | 343.3 | 19.8 | 680.9 | 3,925.0 | 12,366.7 | 3,672.6 | 5,823.2 | 3,659.7 |
| FEAM | 3,991.0 | 6,240.2 | 22,759.3 | 1,162.6 | 671.0 | 1,485.1 | 206.4 | 693.0 | 487.0 | 2,081.8 | 1,825.1 | 709.0 | 39.6 | 697.6 | 4,782.4 | 10,825.9 | 5,852.9 | 7,560.7 | 5,144.7 |
| % diff (IOPAC-FEAM) | +0.9% | +23.9% | -9.2% | -29.0% | -28.6% | -5.4% | +8.5% | -0.3% | -43.9% | -8.3% | +21.3% | -51.6% | -49.9% | -2.4% | -17.9% | +14.2% | -37.3% | -23.0% | -28.9% |
| **2013** | | | | | | | | | | | | | | | | | | | |
| IOPAC | 4,775.7 | 13,545.1 | 38,374.5 | 520.6 | 481.8 | 2,692.7 | 75.7 | 291.0 | 336.4 | 1,772.6 | 7,324.1 | 619.9 | 115.0 | 1,926.3 | 10,982.9 | 22,737.6 | 2,612.7 | 10,617.6 | 6,520.3 |
| FEAM | 4,680.2 | 10,907.9 | 39,738.2 | 716.1 | 665.9 | 2,842.7 | 68.6 | 291.1 | 595.2 | 1,912.0 | 6,068.5 | 1,271.5 | 226.7 | 1,953.4 | 13,112.7 | 19,483.5 | 4,073.8 | 13,934.9 | 9,167.4 |
| % diff (IOPAC-FEAM) | +2.0% | +24.2% | -3.4% | -27.3% | -27.6% | -5.3% | +10.3% | -0.0% | -43.5% | -7.3% | +20.7% | -51.2% | -49.3% | -1.4% | -16.2% | +16.7% | -35.9% | -23.8% | -28.9% |
| **2014** | | | | | | | | | | | | | | | | | | | |
| IOPAC | 4,548.2 | 26,010.3 | 19,732.3 | 416.1 | 489.7 | 1,576.1 | 1,133.9 | 1,555.0 | 682.9 | 6,239.2 | 8,994.2 | 1,201.8 | 110.5 | 840.9 | 7,048.9 | 11,056.8 | 675.3 | 14,457.3 | 7,039.1 |
| FEAM | 4,467.7 | 21,035.7 | 20,690.4 | 578.4 | 678.7 | 1,655.0 | 1,034.8 | 1,527.6 | 1,175.4 | 6,834.8 | 7,509.5 | 2,448.6 | 220.6 | 870.5 | 8,505.4 | 9,551.3 | 1,055.1 | 20,070.3 | 10,554.3 |
| % diff (IOPAC-FEAM) | +1.8% | +23.6% | -4.6% | -28.1% | -27.8% | -4.8% | +9.6% | +1.8% | -41.9% | -8.7% | +19.8% | -50.9% | -49.9% | -3.4% | -17.1% | +15.8% | -36.0% | -28.0% | -33.3% |
| Processed Share | Assumed Percent Locally Processed | | | | | | | | | | | | | | | | | | |
| IOPAC | 55% | 64% | 44% | 25% | 90% | 90% | 90% | 44% | 19% | 52% | 100% | 0% | 0% | 100% | 100% | 100% | 38% | 90% | 44% |
| FEAM | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |

TABLE E-2. Comparison of Income Impact Estimates from IO-PAC and FEAM Models of Pacific Ocean and Columbia River (Buoy 10) Recreational Salmon Fisheries by State and Port Area [Thousands of inflation-adjusted 2014 dollars]]

| Model: | State-Level Model Impacts | | | Local-Level Model Impacts | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishery: | Pacific Ocean Recreational Fishery | | | | | | | | | | | | | | | | | Buoy 10 Fishery | |
| | Washington | Oregon | California | Neah Bay | La Push | Westport | Ilwaco | Astoria | Tillamook | Newport | Coos Bay | Brookings | Crescent City | Eureka | Fort Bragg | San Francisco | Monterey | Washington | Oregon |
| **2010** | | | | | | | | | | | | | | | | | | | |
| IOPAC | 17,223.6 | 5,270.5 | 9,450.9 | 690.6 | 323.9 | 6,488.0 | 3,292.8 | 816.4 | 503.1 | 989.0 | 454.3 | 233.8 | 13.0 | 291.1 | 680.8 | 2,875.9 | 1,709.3 | 1,460.4 | 1,602.1 |
| FEAM | 8,449.7 | 3,212.7 | 3,770.5 | 453.5 | 226.2 | 4,431.4 | 2,119.9 | 620.9 | 553.4 | 867.9 | 344.1 | 233.5 | 8.7 | 195.6 | 428.5 | 1,742.4 | 1,160.6 | 779.2 | 1,281.7 |
| % diff (IOPAC-FEAM) | +103.8% | +64.1% | +150.6% | +52.3% | +43.2% | +46.4% | +55.3% | +31.5% | -9.1% | +14.0% | +32.1% | +0.1% | +50.4% | +48.8% | +58.9% | +65.1% | +47.3% | +87.4% | +25.0% |
| **2011** | | | | | | | | | | | | | | | | | | | |
| IOPAC | 14,866.1 | 5,064.0 | 18,471.3 | 678.5 | 351.9 | 5,251.3 | 2,969.3 | 642.4 | 495.3 | 969.4 | 552.9 | 245.8 | 48.5 | 1,074.8 | 1,564.1 | 5,597.1 | 2,656.7 | 1,261.5 | 1,646.2 |
| FEAM | 7,231.3 | 3,111.5 | 7,485.1 | 447.9 | 245.2 | 3,544.8 | 1,943.0 | 484.6 | 542.0 | 840.2 | 418.8 | 245.5 | 32.2 | 724.5 | 989.8 | 3,427.4 | 1,810.2 | 688.2 | 1,317.3 |
| % diff (IOPAC-FEAM) | +105.6% | +62.7% | +146.8% | +51.5% | +43.5% | +48.1% | +52.8% | +32.6% | -8.6% | +15.4% | +32.0% | +0.1% | +50.4% | +48.3% | +58.0% | +63.3% | +46.8% | +83.3% | +25.0% |
| **2012** | | | | | | | | | | | | | | | | | | | |
| IOPAC | 15,981.7 | 6,693.5 | 30,720.8 | 854.1 | 335.2 | 5,948.4 | 2,825.7 | 533.4 | 466.1 | 1,103.8 | 917.1 | 746.6 | 512.9 | 1,920.7 | 1,565.2 | 10,017.7 | 4,382.2 | 1,676.2 | 2,211.2 |
| FEAM | 7,840.5 | 4,084.3 | 12,599.1 | 568.1 | 234.5 | 4,026.9 | 1,868.7 | 394.8 | 511.9 | 961.3 | 695.2 | 745.0 | 342.0 | 1,301.2 | 987.3 | 6,178.7 | 2,999.7 | 911.9 | 1,762.4 |
| % diff (IOPAC-FEAM) | +103.8% | +63.9% | +143.8% | +50.4% | +42.9% | +47.7% | +51.2% | +35.1% | -8.9% | +14.8% | +31.9% | +0.2% | +49.9% | +47.6% | +58.5% | +62.1% | +46.1% | +83.8% | +25.5% |
| **2013** | | | | | | | | | | | | | | | | | | | |
| IOPAC | 16,254.4 | 8,328.1 | 31,034.2 | 988.6 | 358.3 | 5,789.6 | 2,950.5 | 593.5 | 551.3 | 1,185.9 | 1,583.2 | 833.5 | 450.4 | 1,939.5 | 1,902.1 | 12,047.6 | 2,710.0 | 1,562.6 | 2,275.0 |
| FEAM | 7,947.2 | 5,063.7 | 12,802.3 | 659.2 | 250.1 | 3,926.9 | 1,946.6 | 443.6 | 602.2 | 1,030.5 | 1,199.1 | 829.1 | 299.7 | 1,317.5 | 1,205.6 | 7,427.1 | 1,830.4 | 832.6 | 1,813.7 |
| % diff (IOPAC-FEAM) | +104.5% | +64.5% | +142.4% | +50.0% | +43.3% | +47.4% | +51.6% | +33.8% | -8.5% | +15.1% | +32.0% | +0.5% | +50.3% | +47.2% | +57.8% | +62.2% | +48.1% | +87.7% | +25.4% |
| **2014** | | | | | | | | | | | | | | | | | | | |
| IOPAC | 23,363.0 | 12,559.6 | 25,904.3 | 1,088.5 | 484.2 | 8,427.5 | 4,557.4 | 1,052.7 | 977.3 | 2,880.8 | 1,572.0 | 696.0 | 296.3 | 1,411.6 | 1,901.3 | 9,784.0 | 2,560.9 | 2,273.3 | 3,854.3 |
| FEAM | 11,344.6 | 7,711.5 | 10,776.8 | 729.2 | 344.0 | 5,687.7 | 2,936.7 | 794.9 | 1,068.6 | 2,503.1 | 1,190.5 | 693.2 | 198.0 | 960.2 | 1,203.4 | 6,051.8 | 1,740.8 | 1,213.6 | 3,082.8 |
| % diff (IOPAC-FEAM) | +105.9% | +62.9% | +140.4% | +49.3% | +40.8% | +48.2% | +55.2% | +32.4% | -8.6% | +15.1% | +32.0% | +0.4% | +49.7% | +47.0% | +58.0% | +61.7% | +47.1% | +87.3% | +25.0% |

# Marine Fisheries Management Zones




Andrew Weiss
Fish Program
Biological Data Systems
Feb. 2009