

Fishery Management Report No. 08-22

**Annual Summary of the Commercial, Subsistence, and
Personal Use Salmon Fisheries and Salmon
Escapements in the Alaska Peninsula, Aleutian Islands,
and Atka-Amlia Islands Management Areas, 2007**

by

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Elisa A. Russ

April 2008

Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



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Alaska Department of Fish and Game
Division of Sport Fish, Research and Technical Services
333 Raspberry Road, Anchorage, Alaska, 99518-1599

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ABSTRACT

This report summarizes the 2007 season and historical information concerning management of subsistence and commercial salmon fisheries of the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Management Areas. The 2007 commercial salmon harvest in the Alaska Peninsula and Aleutians Islands Areas consisted of 12,921 Chinook *Oncorhynchus tshawytscha*, 5,847,490 sockeye *O. nerka*, 219,965 coho *O. kisutch*, 8,454,376 pink *O. gorbuscha*, and 860,796 chum salmon *O. keta*, for a total of 15,395,548 salmon. A commercial salmon fishery occurred in the Aleutian Islands for the second consecutive year after a hiatus from 2001-2005, while no commercial harvest has occurred in the Atka-Amlia Islands Areas since 1996. The total exvessel value of the 2007 commercial salmon fishery in the Alaska Peninsula and Aleutian Islands areas was approximately \$26,601,340. The units of gear participating in 2007 were all Area M permits and consisted of 46 seine, 127 drift gillnet, and 90 set gillnet. In 2007, there were no Area T permit holders that made deliveries from the Area M-Area T overlap area.

A total of 150 Alaska Peninsula Area subsistence salmon permits were issued in 2007. The total Alaska Peninsula Area subsistence salmon harvest was estimated to be 94 Chinook, 7,257 sockeye, 2,750 coho, 698 pink, and 521 chum salmon for a total of 11,320 salmon. A total of 178 Unalaska District subsistence salmon permits were issued in 2007. The total Unalaska District subsistence salmon harvest was estimated to be 16 Chinook, 2,391 sockeye, 207 coho, 750 pink, and 36 chum salmon for a total of 3,400 fish. There were nine subsistence salmon permits issued in the Adak District in 2007 with an estimated salmon harvest 488 sockeye, 3 coho and 38 pink salmon. Subsistence salmon data are not available for 2007 in the Atka-Amlia Islands, Umnak, Akutan, and Pribilof Islands Districts because permits are not required for those locations.

The estimated 2007 North Alaska Peninsula Chinook salmon escapement of 20,685 fish was above the 1997-2006 average indexed escapement of 19,168 fish. The 2007 Alaska Peninsula sockeye salmon escapement of 1,138,765 fish was slightly below the 1997-2006 average indexed escapement of 1,202,971 fish. The 2007 North Peninsula sockeye salmon escapement of 1,069,752 fish met or surpassed the escapement goals in all systems. The 2007 South Peninsula sockeye salmon escapement of 69,013 fish was below the most recent 10-year average of 134,143 fish and escapement goals were met in all systems except Orzinski Lake. Limited aerial surveys for coho salmon were flown on the Alaska Peninsula and total indexed escapements were not calculated. The Alaska Peninsula pink salmon indexed escapement total was 2,725,722 fish in 2007, below the 1997-2006 average indexed escapement of 4,845,126 fish; yet escapement goals for an even-numbered year were surpassed for both the North and South Peninsula. The entire Alaska Peninsula chum salmon indexed escapement total for 2007 was 1,305,445 fish, above the most recent 10-year average indexed escapement of 1,262,487 chum salmon. The 2007 North Alaska Peninsula chum salmon escapement of 578,784 fish exceeded the combined upper escapement goal for the Northern and Northwestern Districts of 454,200 fish. The 2007 South Alaska Peninsula chum salmon escapement of 726,661 surpassed the combined upper escapement goal of 660,800 fish for all districts. One day of aerial survey work was conducted in 2007 in the Aleutian Islands and 109,600 pink salmon were documented in Unalaska Island streams.

Key words: Fishery management report, Aleutian Islands, Atka-Amlia Islands, Alaska Peninsula, Area M, commercial salmon fishery, subsistence salmon fishery, personal use salmon fishery, Chinook salmon, *Oncorhynchus tshawytscha*, sockeye salmon, *Oncorhynchus nerka*, coho salmon, *Oncorhynchus kisutch*, pink salmon, *Oncorhynchus gorbuscha*, chum salmon, *Oncorhynchus keta*.

INTRODUCTION

The Alaska Peninsula and Aleutian Islands Management Areas (collectively referred to as Area M) and the Atka-Amlia Management Area (Area F) are divided into four subareas: (1) the North Alaska Peninsula (5 AAC 09.100), consisting of Bering Sea waters extending west from Cape Menshikof to Cape Sarichef on Unimak Island, (2) the South Alaska Peninsula (5 AAC 09.100), consisting of Pacific Ocean coastal waters extending west of Kupreanof Point to Scotch Cap on Unimak Island, (3) the Aleutian Islands, (5 AAC 12.100) consisting of the Bering Sea and Pacific Ocean waters of the Pribilof Islands and the Aleutian Islands west of Unimak Island and exclusive of the Atka-Amlia Management Area, and (4) the Atka-Amlia Management Area (5 AAC 11.101), consisting of Bering Sea and Pacific Ocean waters extending west of Seguam Pass (172°50.00' W long) and east of Atka Pass (175°23.00' W long; Figure 1).

Five species of Pacific salmon are harvested in the Alaska Peninsula Management Area: Chinook salmon *Oncorhynchus tshawytscha*, sockeye salmon *O. nerka*, coho salmon *O. kisutch*, pink salmon *O. gorbuscha*, and chum salmon *O. keta*.

There are three seasonally staffed Alaska Department of Fish and Game (ADF&G) offices in the Alaska Peninsula Management Area located in Sand Point, Cold Bay, and Port Moller (Figure 2). Historically, most of the Alaska Peninsula and Aleutian Islands commercial salmon and herring fishery management was directed from the Cold Bay office. In 1990, the Sand Point staff assumed responsibility for managing salmon in the Southeastern District. In 1992, the Port Moller staff assumed responsibility for managing salmon in the Herendeen-Moller Bay, Port Moller Bight, Bear River, Three Hills, and Ilnik sections of the Northern District. In 2005, the Port Moller staff assumed responsibility for managing salmon in the Cinder River, Inner Port Heiden, Nelson Lagoon, and Black Hills sections. The Northwestern, Unimak, and Southwestern districts of the Alaska Peninsula are still managed from the Cold Bay office, and Aleutian Islands and Atka-Amlia Islands Management areas salmon fisheries are managed cooperatively by staff in Cold Bay and Sand Point with assistance from the Dutch Harbor office. The balance of the South Alaska Peninsula portion of Area M is managed from the Sand Point office.

To aid in annual salmon harvest and escapement reporting, the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas were divided into four regions of reporting responsibility. This report will serve as the salmon commercial, subsistence, and personal use report for the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas. Further details of commercial harvests and escapements can be found in the following reports: 1) North Alaska Peninsula Commercial Salmon Annual Management Report, 2007 (Murphy et al. 2008), 2) South Alaska Peninsula Commercial Salmon Annual Management Report, 2007 (Poetter et al. 2008), and 3) Aleutian Islands and Atka-Amlia Islands Management Areas Annual Salmon Management Report, 2007 (Tschersich and Russ 2008). Appendices of this report contain reference information including exvessel value information (Appendix A), harvest information (Appendix B), subsistence information (Appendix C), escapement information (Appendix D), regulations (Appendix E), method for estimating indexed total escapement (Appendix F), and a personnel list (Appendix G). A separate report (Tschersich et al. 2008) provides estimated 2007 catch and escapement age, sex, and length data.

COMMERCIAL FISHERIES

A list of commercial salmon statistical areas is provided in Appendix A1 for reference to the ADF&G statistical maps and the electronic fish ticket database. Physical descriptions of the statistical areas are given in 5 AAC 09.200.

Legal salmon gear types allowed in the Alaska Peninsula Management Area include seine, drift gillnet, and set gillnet (5 AAC 09.330). Portions of the Alaska Peninsula Management Area are closed to one or two of the three gear types. Purse-, beach-, and hand-seines are the only legal commercial fishing method for salmon in the Aleutian Islands Management Area (5 AAC 12.330).

In 1991, the Alaska Board of Fisheries (BOF), created an open-to-entry set gillnet salmon fishery around the Atka and Amlia islands. Area M Commercial Fisheries Entry Commission (CFEC) seine permit holders may still seine for salmon in the Atka-Amlia Islands Area (5 AAC 11.333).

The Cinder River and Inner Port Heiden sections and Ilnik Lagoon (part of the Ilnik Section) of the Alaska Peninsula Area comprise an overlap area where both Alaska Peninsula (Area M) and Bristol Bay (Area T) permit holders are allowed to fish during certain periods (5 AAC 39.120(d)). Area M permit holders are allowed to fish anytime during open fishing periods in the overlap area. Area T permit holders may fish during open fishing periods from January 1 through June 30 and August 1 through December 31 in the Cinder River and Inner Port Heiden sections. Area T fishermen may fish in Ilnik Lagoon during open fishing periods from August 1 through December 31.

In 2007, five companies purchased salmon from Area M fishermen (Appendix A2) with an estimated salmon harvest value (exvessel) for all gear types of \$26,601,340 (Appendices A3 and A4). This was about twice the average total exvessel value between 2001 and 2006 of \$13,690,527 but similar to the average value from 1996-2000 of \$25,077,088 (Appendix A4). The 2007 total exvessel value represents just over half the average value from 1991-1995 of \$46,477,921. The South Unimak and Shumagin Islands June fisheries were worth \$5,812,322 or about 22% of the entire Area M earnings in 2007 (Appendix A3). The North Alaska Peninsula's exvessel value was \$13,233,222 or about 50% of the total Area M earnings (Appendix A3). The Aleutian Islands exvessel value was \$452,195 or about 2% of the total Area M earnings (Appendix A3). The remainder of the commercial salmon harvest exvessel value (\$7,103,601; about 27%) came from the Post-June and Southeastern District Mainland (SEDM) fisheries. Drift gillnet gear permit holders accounted for most of the sockeye salmon landings in 2007 (exvessel value \$13,695,882) followed by seine (\$4,415,759) and set gillnet permit holders (\$3,291,054; Appendix A4). Sockeye salmon provided the bulk of the exvessel revenues for fishermen in Area M and accounted for over 80% of the total value of all salmon landings in 2007.

Average sockeye and pink salmon prices were higher in 2007 than in 2006 while Chinook, coho, and chum salmon prices were lower (Appendix A5). Average Chinook salmon prices were considerably higher in 2006 than in 2005, influenced heavily by emerging early season fresh markets, but declined somewhat in 2007. Coho salmon prices have doubled from an average of \$0.14 per pound in 2004 to an average of \$0.28 per pound in 2006, and remained at near this level in 2007. Overall, the price of salmon declined substantially from 1988-2002, with a slight increase since then. The average weights of commercially caught salmon vary from year to year and show no apparent trend over time (Appendix A5).

In 2007, 46 of the 118 available seine, 127 of 162 available drift gillnet, and 90 of 114 available set gillnet Area M permits were fished (Appendix A6). In 2007, seine effort increased slightly while drift and set gillnet effort decreased slightly from the previous year. No Area T drift permit holders made deliveries in any Area M fisheries in 2007 (Appendix A7). In 2006, most participation by Area T permit holders was in targeting Chinook salmon in Inner Port Heiden to take advantage of an early-season fresh market. This market was not exploited in 2007.

Commercial salmon fisheries in the Alaska Peninsula Management Area date back to at least 1882 when canneries were reportedly constructed on the South Alaska Peninsula at Orzinski (Orzenoi) Bay and Thin Point Cove (Freeburn 1976). However, the earliest catch records for the Alaska Peninsula Management Area date back to 1906 (Figures 3-7; Appendix B1). The first commercial salmon catches recorded in the Aleutian Islands Management Area occurred in 1911. Early catches in the Alaska Peninsula were predominantly sockeye salmon with a few Chinook and coho salmon. Both pink and chum salmon harvests exceeded 500,000 for the first time in 1916.

Salmon stocks being targeted throughout Area M vary throughout the season. Salmon harvested in the South Unimak and Shumagin Islands June fisheries include stocks migrating to a wide range of locations, including Bristol Bay and the Arctic-Yukon-Kuskokwim (A-Y-K) regions (5 AAC 09.365). The Southeastern District Mainland is primarily managed on the basis of the Chignik River sockeye salmon run prior to July 26 (5 AAC 09.360; Appendix E1). The balance of the fisheries are managed on the basis of local run strength and escapements such as the sockeye salmon fishery on the North Alaska Peninsula and the South Alaska Peninsula pink and chum fisheries.

The 1997-2006 average commercial salmon harvest, by species, in the Alaska Peninsula and Aleutian Islands Management Areas was 10,367,145 salmon, composed of 11,471 Chinook, 3,740,471 sockeye, 248,002 coho, 5,463,046 pink, and 904,154 chum salmon (Appendix B1). In 2007, the Alaska Peninsula Area commercial harvest (excluding test fish harvests) was 12,921 Chinook, 5,847,490 sockeye, 219,965 coho, 8,454,376 pink, and 860,796 chum salmon for a total of 15,395,548 fish (Figures 3-7; Appendices B1 and B2). In 2007, the harvest of Chinook, sockeye, and pink salmon were above the previous 10-year average while the harvest of coho and chum salmon was below the average (Appendix B1). The harvest of all species combined was almost 50% above of the previous 10-year average. Compared to their respective 10-year averages, in 2007 the Chinook salmon harvest was about 13% higher, sockeye salmon harvest was about 56% higher, the coho salmon harvest was about 11% lower, the pink salmon harvest was about 55% higher, and the chum salmon harvest was about 5% lower. Harvest by area information for 2007, including commercial harvest sold and retained for personal use, and test fish harvest, is shown in Appendix B2.

During 2007, in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas combined, seine fishermen harvested about 31.4% of the Chinook, 22.7% of the sockeye, 55.5% of the coho, 93.2% of the pink, and 68.4% of the chum salmon (Appendix B3). Drift gillnet fishermen harvested about 57.0% of the Chinook, 63.5% of the sockeye, 18.5% of the coho, 0.3% of the pink, and 23.3% of the chum salmon (Appendix B3). Set gillnet fishermen harvested about 11.6% of the Chinook, 13.8% of the sockeye, 26.0% of the coho, 6.6% of the pink, and 8.3% of the chum salmon (Appendix B3).

ADF&G test fisheries were conducted in the Shumagin Islands on the South Alaska Peninsula, and at the mouth of Bear River on the North Alaska Peninsula in 2007. Test fish catches are shown in Appendix B4. The Shumagin Island test fishery is conducted in early July to estimate the prevalence of immature salmon that may be caught in the commercial fishery incidental to the targeted mature fish. The North Peninsula test fishery is conducted in early August to estimate possible marine build-up of sockeye salmon bound for Bear River during fishery closures between the early and late sockeye salmon runs.

SUBSISTENCE AND PERSONAL USE FISHERIES

Under Alaska state law, subsistence fishing allows the taking of fish by specific means by a resident in a rural area of the state. Subsistence uses of wild resources are defined as noncommercial, customary and traditional uses for a variety of purposes. These include: direct personal or family consumption as food, shelter, fuel, clothing, tools, or transportation, for the making and selling of handicraft articles out of nonedible by-products of fish and wildlife resources taken for personal or family consumption, and for the customary trade, barter, or sharing for personal or family consumption (AS 16.05.940 (33)). Whenever it is necessary to

restrict harvests, subsistence fisheries have a preference over other uses of the stock (AS 16.05.258(b)(4)(A)).

Personal use fisheries are different from subsistence fisheries because they do not meet the criteria established by the Joint Board of Fisheries and Game for identifying customary and traditional fisheries (5 AAC 99.010), or because they occur within nonsubsistence areas where dependence upon subsistence is not a principle characteristic of the economy, culture, and way of life (AS 16.05.258(c)). Personal Use fisheries provide opportunities for harvesting fish with gear other than rod and reel in nonsubsistence areas. However, personal use fisheries do not enjoy the priority over other uses of the resource in times of restricted harvest that subsistence fisheries do.

The Alaska Peninsula, Aleutian Islands, and Pribilof Islands communities of Sand Point, King Cove, Cold Bay, False Pass, Nelson Lagoon, Port Heiden, Akutan, Atka, Adak, Unalaska, Nikolski, St. George, and St. Paul use local resources for subsistence. Salmon subsistence permits are issued to residents in some of these areas through the ADF&G offices in Sand Point, Cold Bay, Port Moller, and Dutch Harbor. Information from returned subsistence permits is used to extrapolate catches for all permits issued¹. There are probably fish kept from commercial catches for personal use that are not reported on fish tickets or on subsistence permits. There is no extrapolation from fish tickets to account for these salmon and commercial catch retained for personal use is not currently compiled in this report. Subsistence permits are not required in the Akutan, Umnak, Pribilof Islands, and Atka-Amlia areas (Figure 1); consequently no catch estimates are available for the communities of Akutan, Nikolski, Atka, St. George, and St. Paul.

The Atka-Amlia Islands Area, as defined in the commercial fishing regulations, is considered a district of the Aleutian Islands Area in the subsistence fishing regulations. From 1988 through 1997, subsistence salmon fishing was not allowed in the Adak District. However, a personal use salmon fishery was allowed on Adak and Kagalaska Islands for Alaska residents during 1988-1997. Beginning in 1998, subsistence salmon fishing was again allowed in the Adak District (permits were required).

In 2007, a total of 150 subsistence permits were issued in the Alaska Peninsula Area (Appendices C1 and C2). This was fewer than the 153 permits issued in 2006 and below the 2002-2006 average of 156 permits. In the Aleutian Islands, 178 permits were issued for the Unalaska District, less than the 199 permits issued in 2006, below the 2002-2006 average of 217 permits issued, and the lowest number issued since 1995. There were nine permits issued for the Adak District, more than twice the 2002-2006 average of four permits (Appendices C2 and C3). In 2007, 74.0 percent of the Alaska Peninsula Area, 60.8 percent of the Unalaska District, and 66.7 percent of the Adak District subsistence permit reports were completed and returned to ADF&G (Appendix C2).

In 2007, the Alaska Peninsula Area subsistence salmon harvest was an estimated 11,320 salmon composed of 94 Chinook, 7,257 sockeye, 2,750 coho, 698 pink, and 521 chum salmon (Appendices C1 and C2). The Alaska Peninsula Area subsistence salmon harvest has been showing a general decline in recent years after historic peak harvests in 1997. The 2007 total salmon harvest was the lowest on record and the sockeye salmon harvest was the lowest since

¹ An average catch per permit holder is calculated from returned permits and applied to unreturned permits *in absentia*. This assumes that permits which were issued but not returned were fished successfully at the same rate, and with the same average catch, as permits that were returned.

1988. The Unalaska District subsistence salmon harvest during 2007 was estimated to be 3,400 salmon composed of 16 Chinook, 2,391 sockeye, 207 coho, 750 pink, and 36 chum salmon (Appendices C1 and C2). The 2007 subsistence salmon harvest in Unalaska was considerably less than the 2002-2006 average of 5,160 fish, due to low sockeye salmon harvest rates and also the lowest coho salmon catch on record. The Adak District subsistence salmon catch in 2007 was estimated to be 529 salmon, composed of 488 sockeye, 3 coho, and 38 pink salmon (Appendices C2 and C3). The 2007 sockeye salmon subsistence harvest was the largest catch since 1993 and was more than twice the 2002-2006 average of 222 fish.

There is considerable variation in the species and numbers of salmon used for subsistence, among communities (Appendices C4 and C5). This variation may be due to differences in salmon availability from year to year and species preference of each community.

In 2007, 3 non-local permit holders fished in Mortensen's Lagoon as compared to 17 residents of Cold Bay and 9 residents of King Cove (Appendix C6). In the years 1991 through 1998, the Mortensen's Lagoon subsistence fishery attracted more non-local Alaska residents (primarily from Anchorage and the Matanuska-Susitna Valley) than any other Alaska Peninsula Area subsistence fishery (Appendix C7). This occurred primarily because of the easy road access between the Cold Bay airport and the lagoon and the availability of reasonable (even free) air transportation to Cold Bay available to some fishermen. During 1990-1998, the average number of non-local permit holders estimated to have fished Mortensen's Lagoon was 23, compared to 13 local permit holders from Cold Bay and 5 local permit holders from King Cove (Appendix C7). During the five most recent years, 2002-2006, the average number of non-local permit holders fishing at Mortensen's Lagoon fell to 4 compared to 14 local permit holders from Cold Bay and 10 local permit holders from King Cove.

Thin Point Lagoon, located approximately 12 air miles west of King Cove, is a very important source of subsistence sockeye and coho salmon for residents of King Cove. In 2007, an estimated 2,040 sockeye and 650 coho salmon were harvested from Thin Point Cove by 17 King Cove permit holders (Appendix C8). Lenard Harbor, near the King Cove road system, is also an important source of coho salmon for subsistence purposes and 11 subsistence fishers harvested an estimated 812 coho salmon there in 2007 (Appendices C9 and C10).

The number of subsistence permits and the average amount of salmon caught for subsistence purposes in the Alaska Peninsula Area increased substantially from 1985 and 1998 (Appendix C1). Reasons for the increase in permits included more non-local, Alaska state residents fishing in Mortensen's Lagoon near Cold Bay (Appendix C7). However, after 1998 the number of permits issued in the Alaska Peninsula Area generally declined (Appendix C1). The reason for the decline, although not completely understood, can be partially attributed to a decrease of non-local permit holders (from 80 in 1998 to 25 in 2007), a decline of Sand Point permit holders (from 59 in 1998 to 35 in 2007) and a decline of Nelson Lagoon and Port Moller permit holders (from 13 in 1998 to 6 in 2007). The number of Cold Bay resident permit holders has increased over this same period (from 17 in 1998 to 29 in 2007), while the number of King Cove and False Pass permit holders has shown roughly a bell-curve distribution over this period, both with a peak in 2003 (King Cove went from 54 in 1998 to 52 in 2007, with a peak of 68 in 2003; False Pass went from 7 in 1998 to 3 in 2007, with a peak of 18 in 2003).

The major Unalaska Island subsistence salmon fishing locations used during 2007 are listed in Appendix C11. The Reese Bay subsistence fishery, on Unalaska Island, targets sockeye salmon

returning to McLees Lake (Palmer 2003) and appears to be fully utilized by subsistence fishermen during most years (Shaul and Dinnocenzo 2005). However, sockeye salmon runs were unusually large during 2001 through 2004 and additional fish could have been harvested (Duesterloh 2005). The 2007 Reese Bay subsistence sockeye salmon harvest was estimated to be 1,605 fish and represents 67.1% of the total Unalaska District catch (Appendices C11 and C12). In many years, as in 2007, Reese Bay receives more fishing effort than all other locations on Unalaska Island combined. In 2007, the Reese Bay sockeye salmon subsistence harvest was only slightly higher than the 2006 catch of 1,451 sockeye salmon (Appendix C12). The catches over the past two years are the lowest since 1996, and contribute to the overall reduced Unalaska District subsistence salmon harvest.

The Adak District subsistence salmon harvest primarily consists of sockeye salmon taken at Quail Bay and Galas Point on Kagalaska Island and at Hidden Bay on Adak Island. Of the three sockeye salmon producing locations, Quail Bay is the most important. A few pink and coho salmon are also harvested on the north side of Adak Island. After 1993, the personal use effort decreased from previous years due to reductions in U.S. Navy personnel stationed at Adak. In 1997, the civilian population of Adak increased because of military base cleanup work. Eighteen permits were issued in 1997 and an estimated 229 sockeye salmon and 4 chum salmon were harvested (Appendix C3). During the five most recent years, 2002-2006, an average of 4 Adak District subsistence permits were issued with an average harvest of 222 sockeye salmon and no other species. In 2007, nine permits were issued, the most since 2001, and the estimated salmon harvest was 488 sockeye, 3 coho and 38 pink salmon, the highest catch since 1993 (Appendices C3 and C13).

ESCAPEMENT

There are approximately 307 salmon spawning streams (including tributaries of some large systems) within the Alaska Peninsula Management Area (McCullough 2001). The South Alaska Peninsula has about 224 salmon systems with sockeye salmon documented in 37, pink salmon in 204 and chum salmon in 136 systems. A total of approximately 82 coho salmon producing systems have been documented in the South Alaska Peninsula; however, many streams have never been surveyed when coho salmon are expected to be present due to budget limitations and poor fall survey conditions. The North Alaska Peninsula has about 83 salmon producing systems with Chinook salmon present in 21, sockeye in 55, and pink salmon in at least 39 systems (McCullough 2001). Chum salmon are present in about 73 North Alaska Peninsula streams, and coho salmon have been identified in approximately 50 systems.

In the Aleutian Islands and Atka-Amlia Islands Management Areas, there are at least 335 salmon systems, with sockeye salmon present in about 45, pink salmon in 319, chum salmon in 11, and coho salmon in at least 35 systems (Murphy 1992).

Most salmon escapement estimates were derived from aerial surveys; although a few sockeye salmon systems were monitored with weirs. In 2007, five salmon weirs were operated by ADF&G in the Alaska Peninsula Management Area: at Orzinski, Ilnik, Bear, Nelson, and Sandy Rivers (Figure 2). In addition, during 2007, the U.S. Fish and Wildlife Service (USFWS) operated weirs at McLees Lake on Unalaska Island. This was the sixth consecutive year of operation for the McLees Lake weir. In the recent past, the USFWS in Cold Bay operated weirs approximately 100 yards below the Frosty Creek Bridge in 2000, near the Frosty Creek mouth in

2001 and 2002, near the outlet of Blue Bill and Outer Marker lakes in 2005, and at Mortensens Lagoon from 2001 through 2006 (Poetter et al. *in press*; Watchers 2003).

ADF&G has operated the Orzinski (Orzenoi) Lake and Ilnik River weirs since 1990 (Figure 2). Orzinski Lake was also weired during 1929-1941. Because the Orzinski Lake sockeye salmon run is important in determining fishing time for the Northwest Stepovak Section, and due to the difficulties involved with estimating fish from the air, ADF&G reinstated a weir in 1990 (Shaul et al. 1991).

A tripod weir was installed at Ilnik River in 1990 due to difficulties with estimating salmon abundance from the air, and the need to determine fishing periods for both the Ilnik Lagoon fishery (predominantly set gillnet gear) and the Ilnik Section outside the Lagoon (predominantly drift gillnet gear). However, the 500-foot long Ilnik River weir was difficult to install and maintain. ADF&G personnel encountered many problems in maintaining a fish-tight weir in 1990 and did not obtain good escapement data (Shaul et al. 1991). In 1991, the Ilnik weir was modified, and during 1991-1995 escapement counts and samples were obtained with difficulty. In 1996, floating weir panels attached to a heavy chain replaced the tripod weir. The floating panel weir worked much better and provided reliable data, and has been in operation since that time (Shaul and Berceli 1997).

In 1994, a weir was installed at Thin Point Lake for the first time. Due to a reduction in operating funds, the weir was discontinued after the 1998 season.

A weir was operated at the Morzhovoi Lake outlet terminus (head of Middle Lagoon at Morzhovoi Bay) during 1926 through 1935, excluding 1933. The weir was easy to install and operate due to the small size of the outlet stream. However, because of the long delay of sockeye salmon reaching this weir, it was not effective for inseason management. With considerable difficulty, a weir was successfully operated in Middle Lagoon during 1996. The weir location was approximately half way up Middle Lagoon and was a better site for effective inseason management. However, in addition to its large size, the weir was subject to storm tides and large accumulations of debris. Sockeye salmon were often reluctant to pass through the weir due to the low flow of fresh water and the considerable length of time sockeye salmon naturally spend in the upper lagoon before entering Morzhovoi Lake (Shaul and Berceli 1997). Because of these difficulties, and lack of funds, the Middle Lagoon weir was not operated after 1996.

A weir was first operated on the Bear River during the 1929 through 1932 seasons. This weir was placed immediately above the mouth of the Milky River (locally called the Mad Sow River). This weir was logistically difficult to construct and supply, and was not operated long enough to estimate the total sockeye salmon escapement based on our current knowledge of the salmon runs. From 1933 through 1952 a salmon counting structure was not operated at Bear River. From 1953 through 1960 a weir was operated near the current weir location, close to the lake outlet (Figure 2). From 1961 through 1985, a counting tower replaced the weir. Since 1986, a weir has again been used to enumerate Bear River sockeye salmon near the outlet of the lake.

A counting tower was used to enumerate salmon on the Nelson (Sapsuk) River during the 1962 through 1988 seasons (Figure 2). In 1989, the tower was replaced with a floating weir, which is still in use.

A counting tower was operated on the Sandy River, at the current weir cabin site, during the 1962 through 1964 seasons. After 1964, the Sandy River tower project was abandoned due to

budget cuts and the fact that the river was often too muddy to count fish from a tower. In 1994, a tripod weir was installed near the old Sandy River tower site, and has been operated every summer since (Figure 2). In 2002, the weir was moved approximately one mile downstream and has remained in this location since that time.

In 1998 through 2001, a weir was operated at the outlet of Summer Bay Lake on Unalaska Island in the Aleutian Islands Area to study the impact of the *M/V Kuroshima* (freighter) oil spill (McCullough and Bouwens *unpublished*). The salmon runs at Summer Bay Lake are relatively small compared to other Alaska Peninsula Area systems with weirs.

Estimated total escapements for the Chinook, sockeye, pink, and chum salmon for the North and South Alaska Peninsula are presented in Appendix D1. Aerial surveys are used to estimate escapement on non-weired systems and to monitor historical trends in annual escapements. Appendix F1 describes the methodology used to generate estimated total escapement counts from survey data. Coho salmon escapements are not monitored in many streams due to the difficulty and expense of conducting surveys during the fall. When presented in other sections of this report, coho salmon numbers are expressed in peak values (the largest number of coho salmon observed in a system in a given year). Escapement estimates in the text are estimated total escapements derived from aerial surveys except for tower or weir counts on the following systems: Bear River and Nelson River (sockeye salmon) in 1962-2007, Nelson River (Chinook and chum salmon) in 1962-1985, Orzinski River (sockeye salmon) in 1990-2007, Ilnik River (sockeye salmon) in 1991-2007, Sandy River (sockeye salmon) in 1994-2000 and 2002-2007, Thin Point Cove (sockeye salmon) in 1994-1998, and Middle Lagoon (sockeye salmon) in 1996. The estimated total escapement values are likely lower than the actual total escapement as aerial surveys typically underestimate escapement numbers. There are differences after 1984 between escapement figures used in area management reports and those in some formally published reports (technical data reports, bulletins, etc.) due to the use of different methods to estimate total escapement. Chinook, sockeye, pink, and chum salmon indexed total escapements from 1962 through 2007 are depicted in Figures 8-11.

In the Alaska Peninsula Management Area in 2007, the estimated total Chinook salmon escapement of 20,685 fish was above the previous 10-year average of 19,168 fish (Figure 8; Appendix D1). The 2007 indexed total sockeye salmon escapement of 1,138,765 fish was below the previous 10-year average of 1,202,971 fish (Figure 9; Appendix D1). In 2007, all major sockeye salmon stocks achieved or exceeded escapement goals except Orzinski Lake and Middle Lagoon. The 2007 indexed total pink salmon escapement of 2,725,722 fish was below the 1997-2006 average of 4,845,126 fish (Figure 10; Appendix D1). The 2007 Alaska Peninsula indexed total chum salmon escapement of approximately 1,305,445 fish was above the combined district upper escapement goals of 1,115,000 fish (Honnold et al. 2007) and above the previous 10-year average of 1,262,487 (Figure 11; Appendix D1). The coho salmon escapement data collected in 2007 were incomplete due to inclement weather and budget constraints but are presented where appropriate in subsequent sections of the Alaska Peninsula Management Reports. Due to cost, logistics, and low availability of suitable aircraft, complete escapement data are not available in the Aleutian Islands and Atka-Amlia Islands Areas. One day of aerial survey work was conducted in 2007 in the Aleutian Islands and 109,600 pink salmon were documented in Unalaska Island streams. For further detailed escapement information including age, length, and sex composition refer to the Alaska Peninsula Management Area Salmon Escapement and Catch Sampling Results, 2007 (Tschersich et al. 2008).

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FIGURES

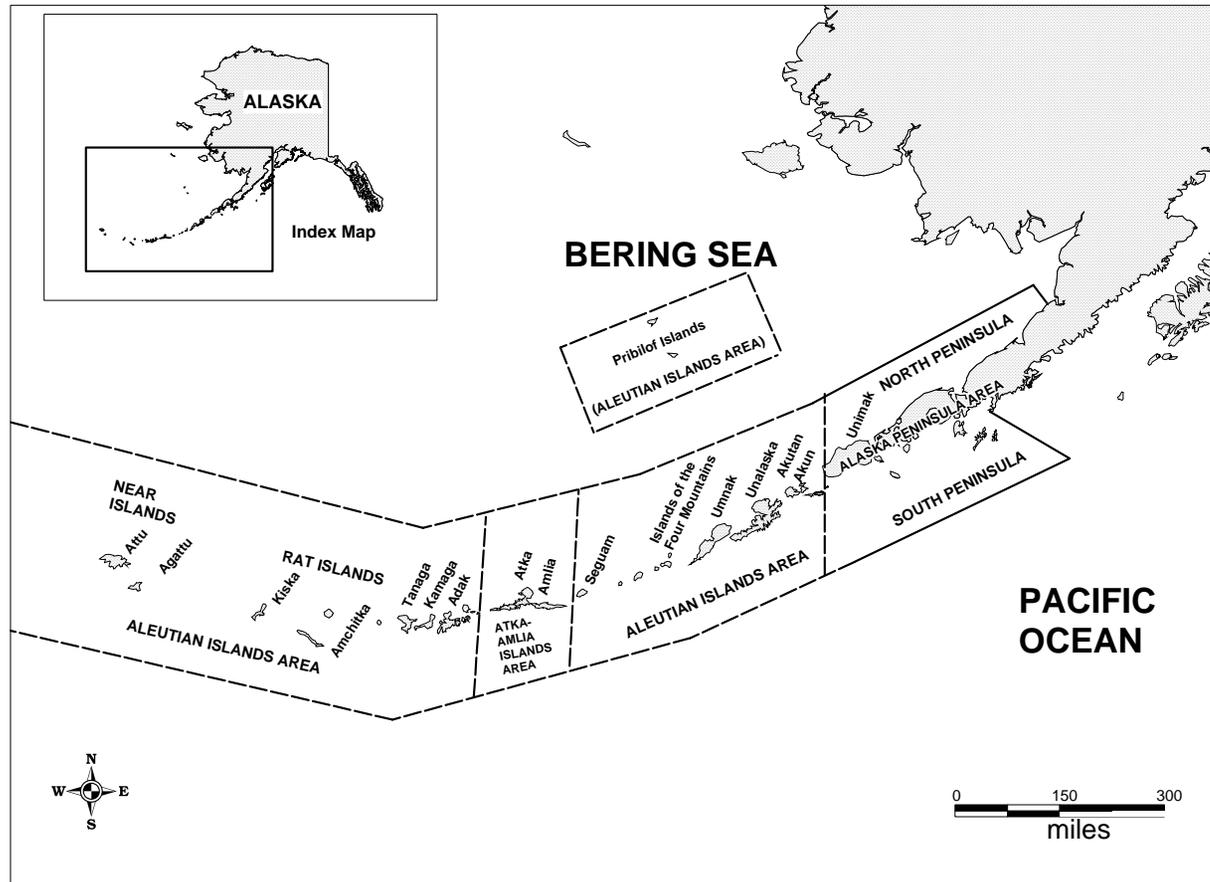


Figure 1.—Map of the Aleutian Islands, Atka-Amlia Islands, and Alaska Peninsula Management Areas.

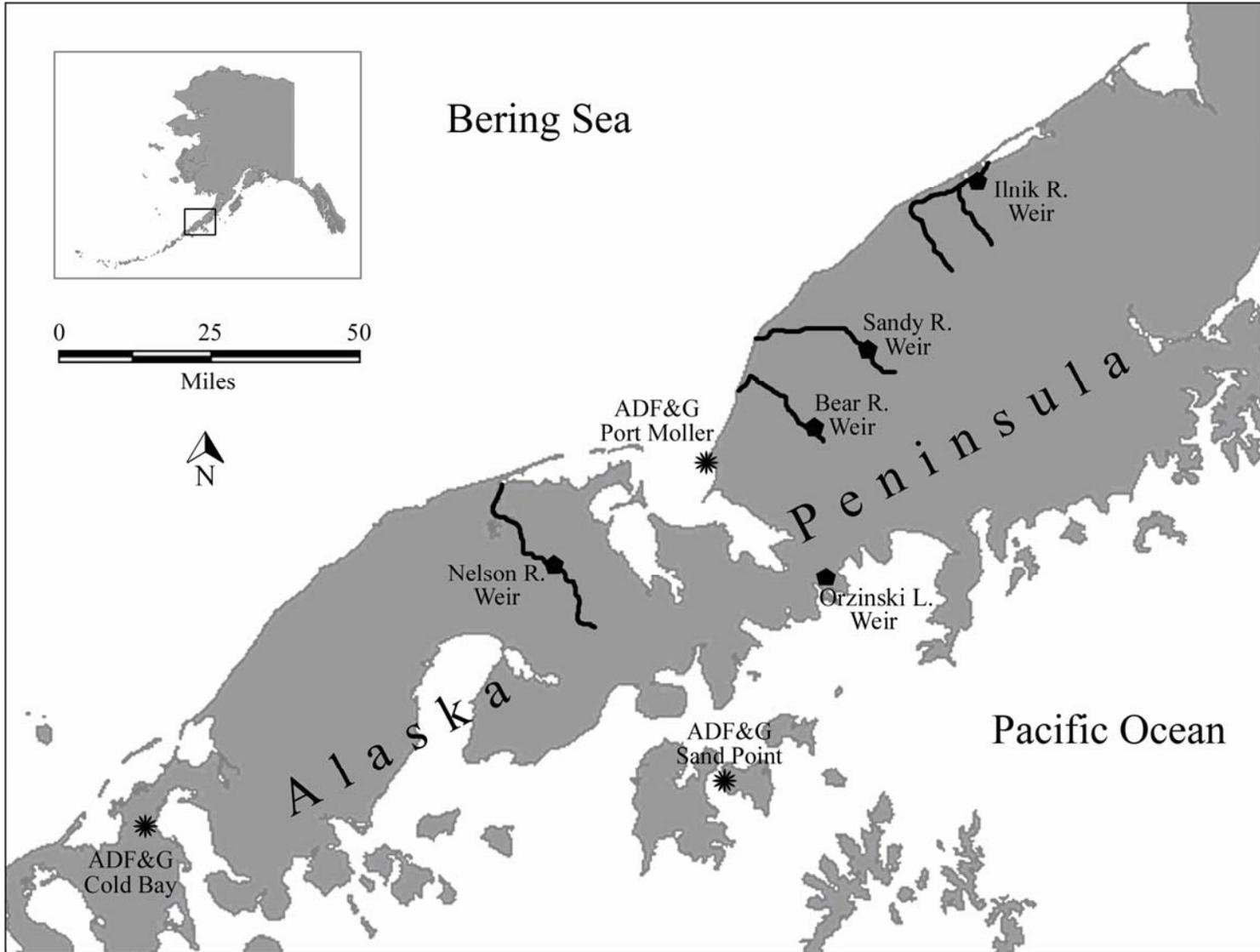


Figure 2.—Map of the Alaska Peninsula depicting ADF&G weir and regional office locations.

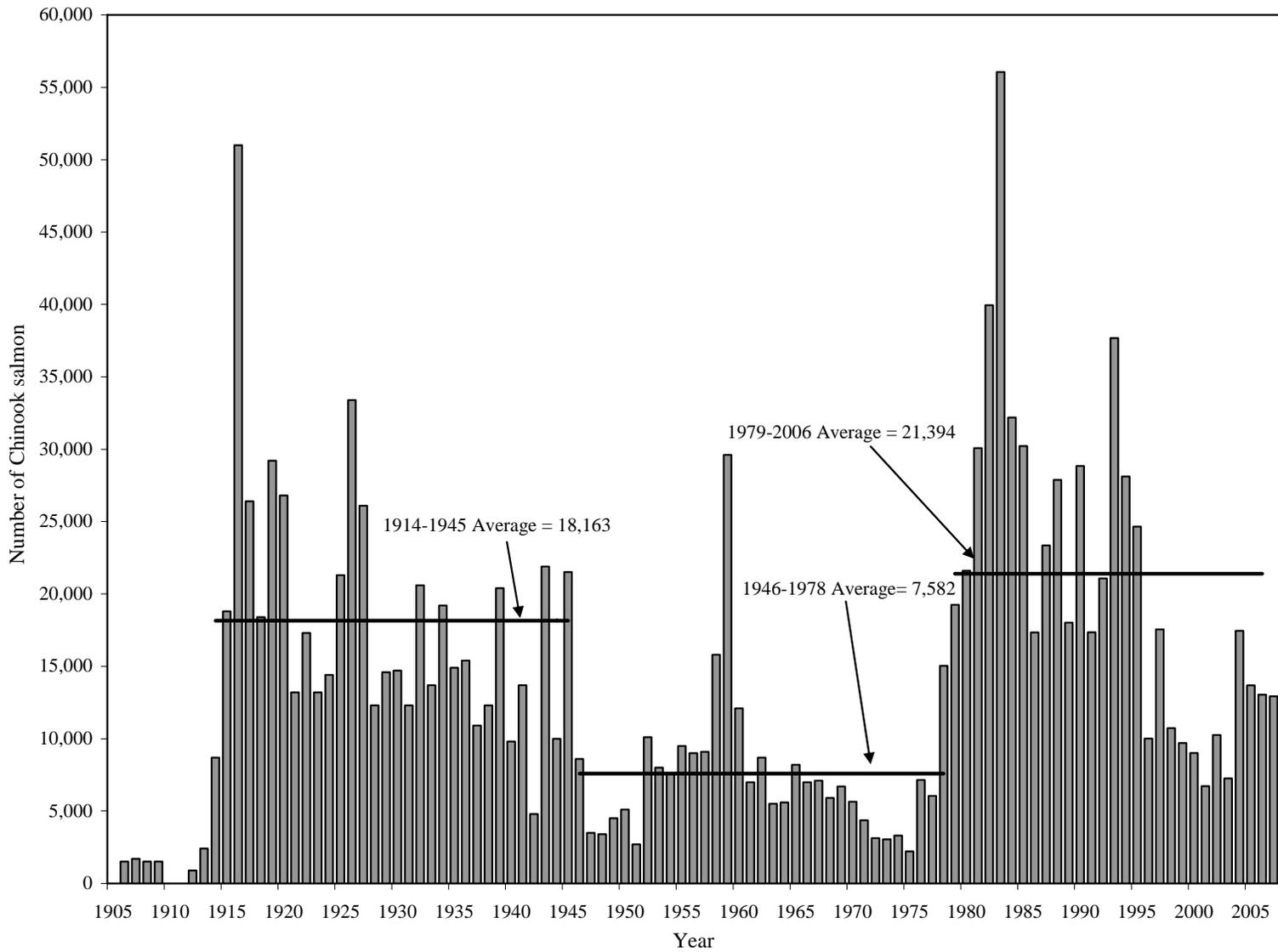


Figure 3.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas harvest of Chinook salmon by year, 1905-2007.

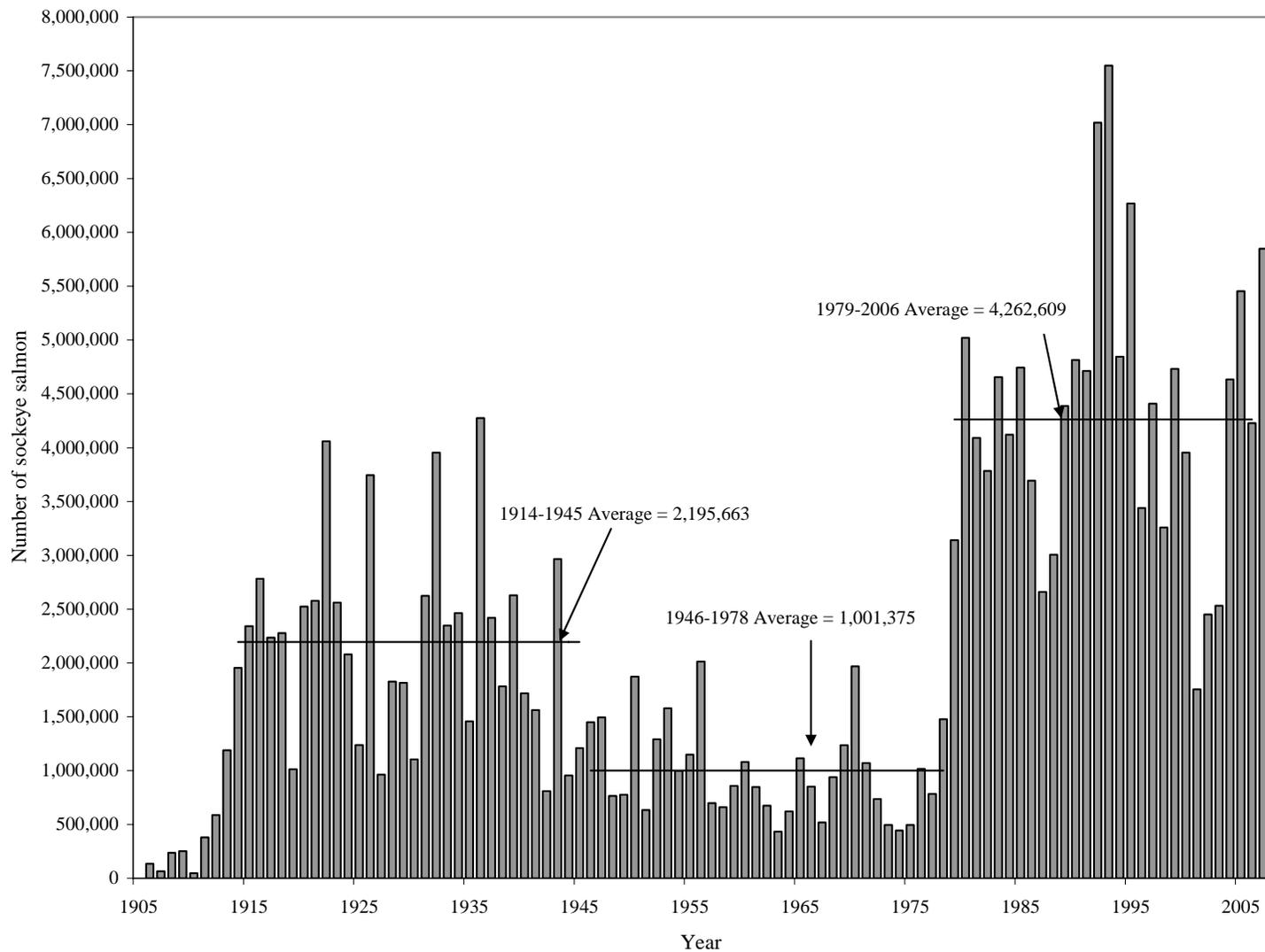


Figure 4.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas harvest of sockeye salmon by year, 1905-2007.

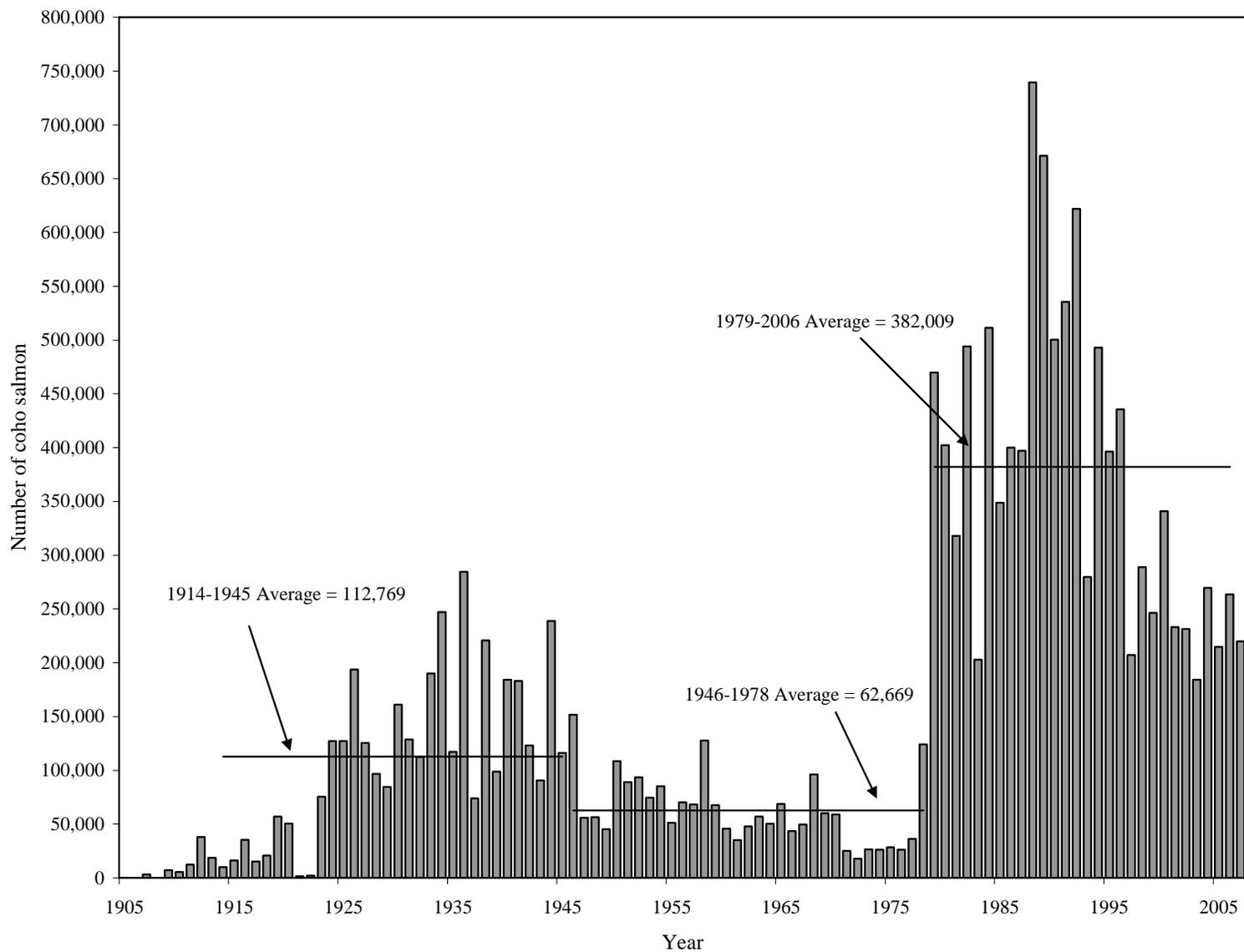


Figure 5.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas harvest of coho salmon by year, 1905-2007.

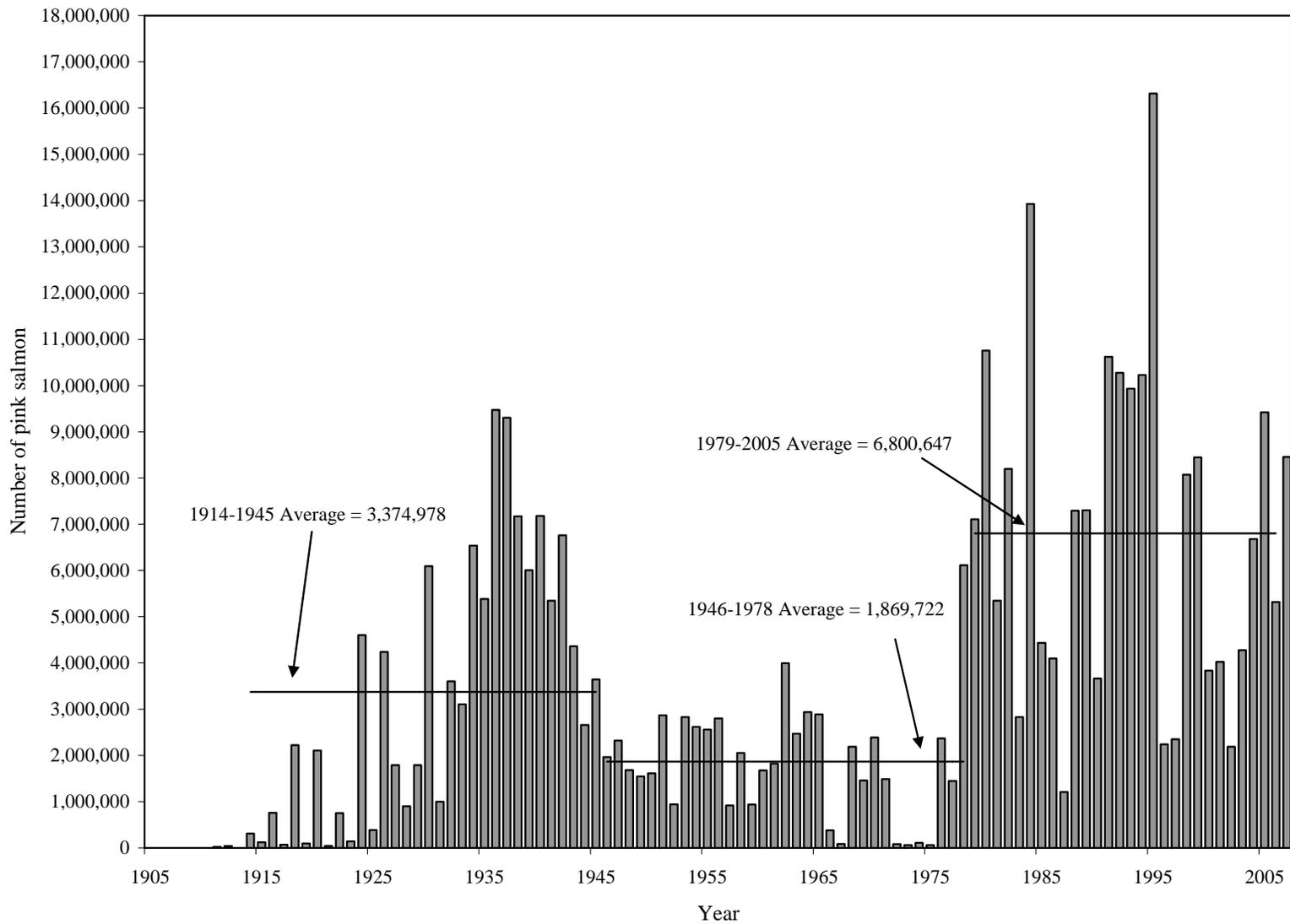


Figure 6.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas harvest of pink salmon by year, 1905-2007.

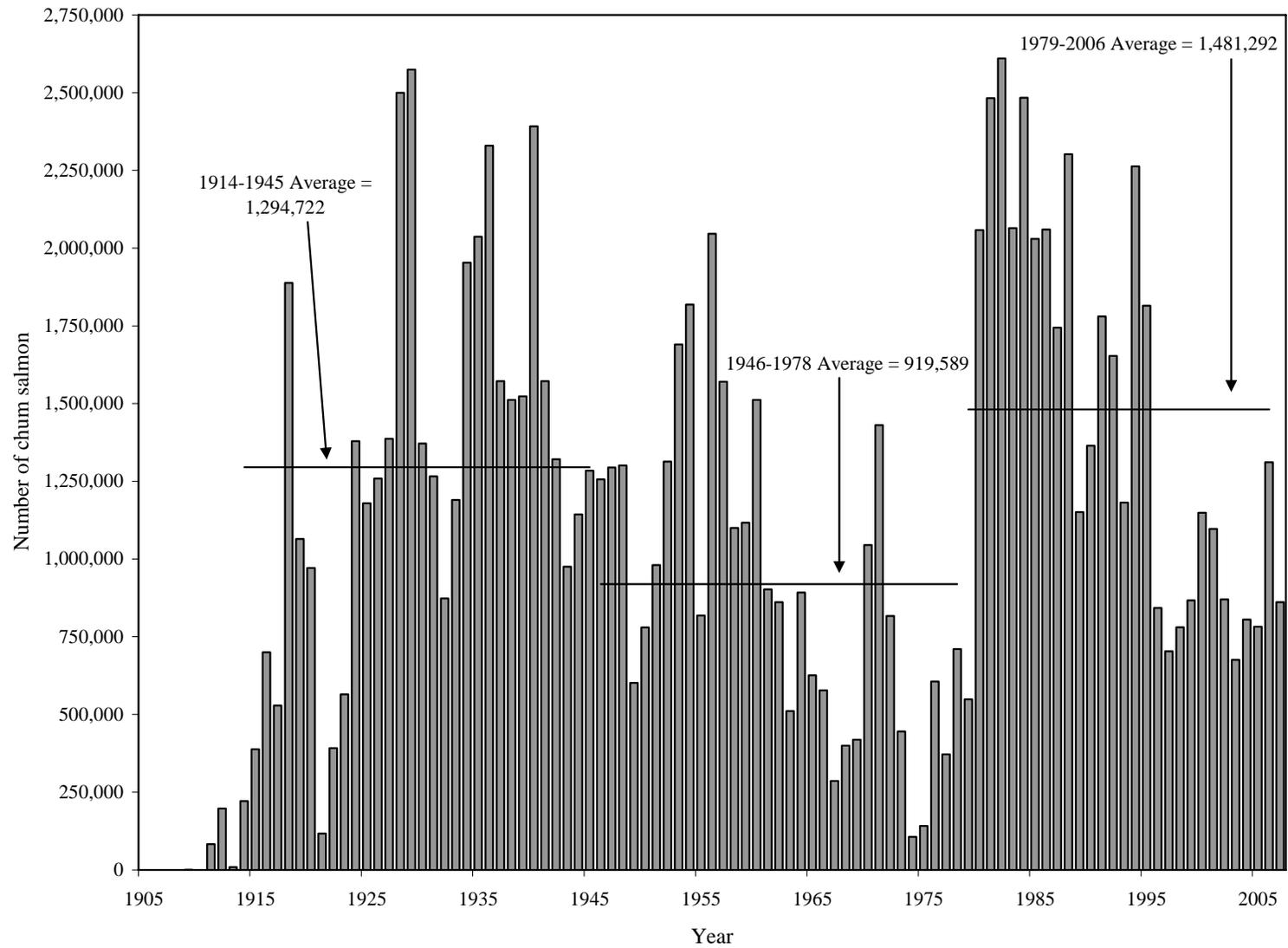


Figure 7.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas harvest of chum salmon by year, 1905-2007.

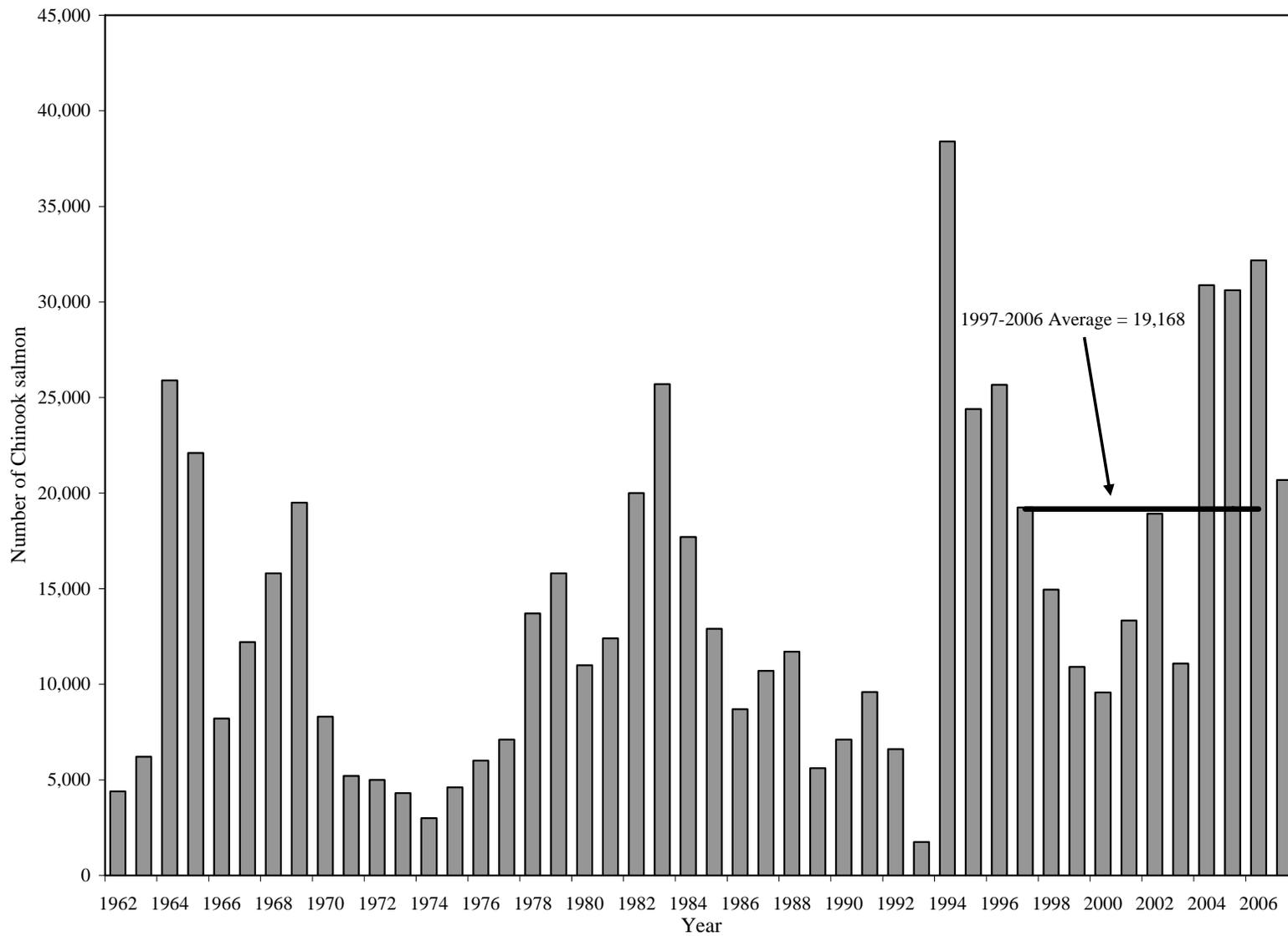


Figure 8.—The Alaska Peninsula Chinook salmon total indexed escapement by year, 1962-2007.

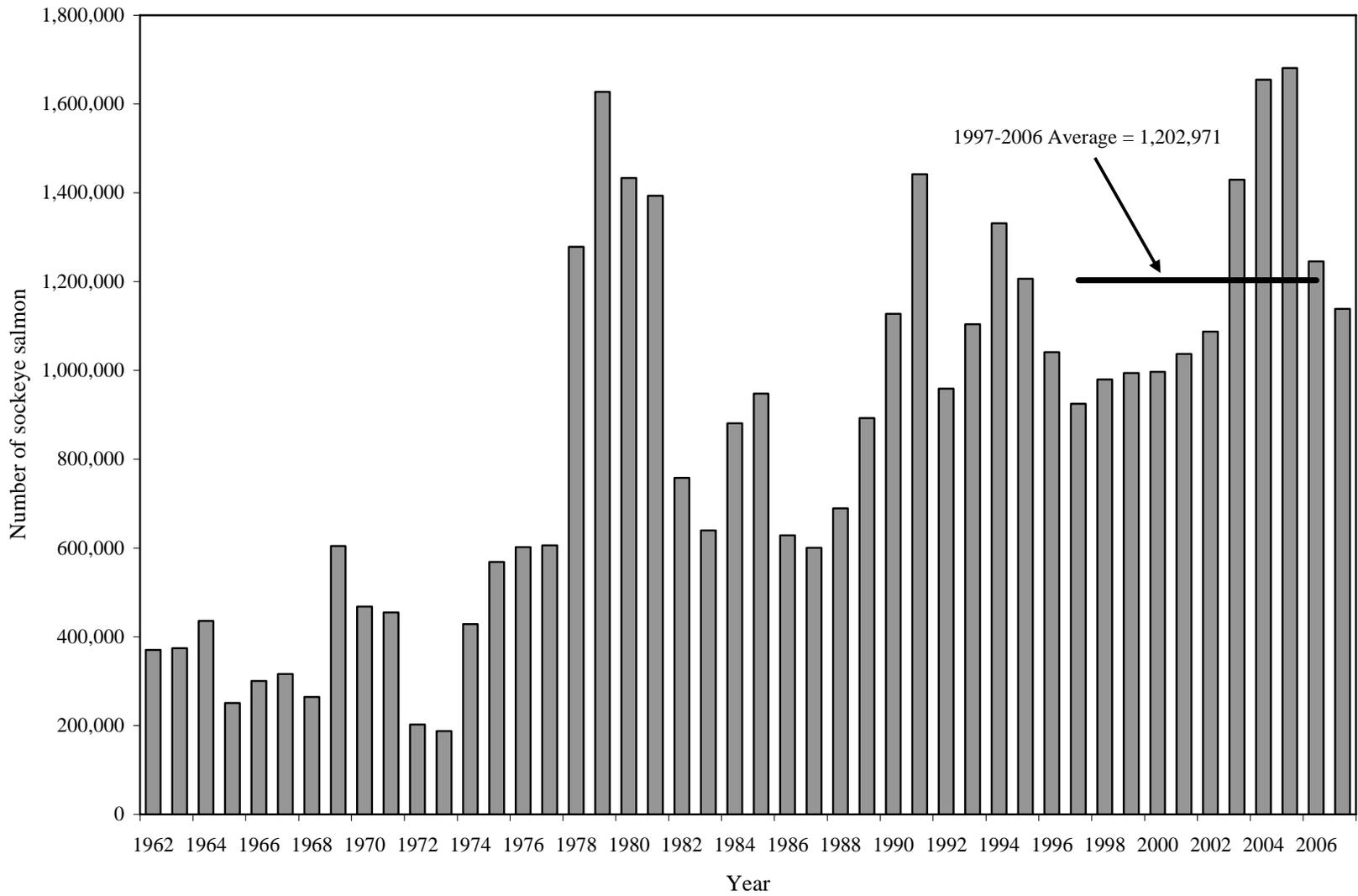


Figure 9.—The Alaska Peninsula sockeye salmon total indexed escapement by year, 1962-2007.

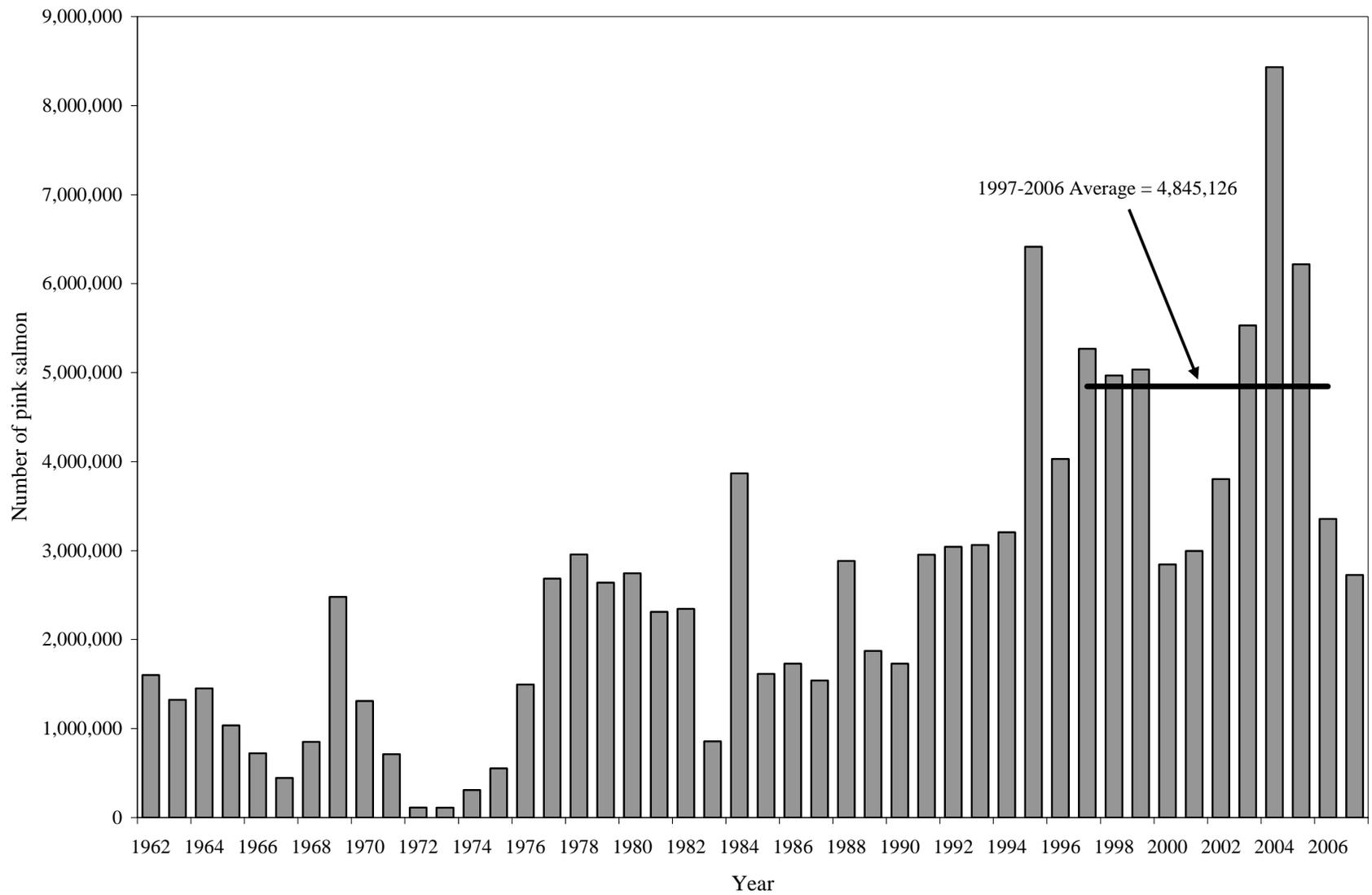


Figure 10.—The Alaska Peninsula pink salmon total indexed escapement by year, 1962-2007.

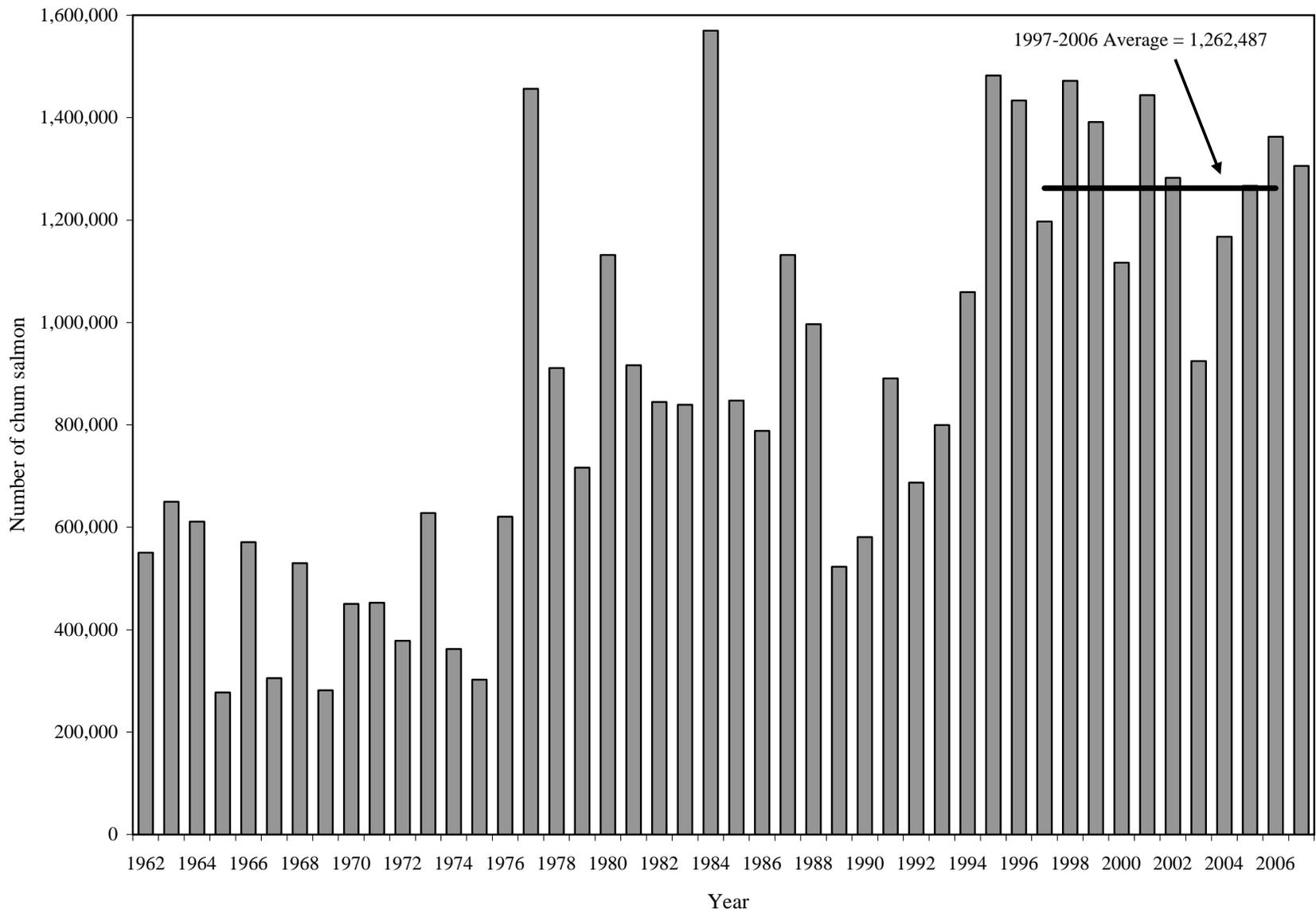


Figure 11.—The Alaska Peninsula chum salmon total indexed escapement by year, 1962-2007.

**APPENDIX A:
FISHERY ECONOMIC AND GEOGRAPHIC DATA**

Appendix A1.–List of statistical salmon fishing areas in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas.

Area	Statistical Areas
Alaska Peninsula	28100 through 28599 plus 31111 through 31899
South Alaska Peninsula prior to 1991	28100 through 28499
<u>Southeastern District Mainland^a</u>	28100 through 28299 plus 28370, 28375, 28380, and 28390
East Stepovak Section	28134, 28135, 28136
Stepovak Flats Section	28133
Northwest Stepovak Section	28110 through 28132
Orzinski and American Bays	28131
Southwest Stepovak Section	28390
Balboa Bay Section	28380
Beaver Bay Section ^a	28370, 28375
Shumagin Islands Section	28200 through 28299
<u>South Central District</u>	28361 through 28369
<u>Southwestern District</u>	28300 through 28352 plus 28460
<u>Unimak District</u>	28400 through 28450 plus 28310
South Alaska Peninsula after 1990	28100 through 28599
<u>Southeastern District</u>	28100 through 28299
<u>Southeastern District Mainland</u>	28100 through 28199
East Stepovak Section	28100 through 28125
Stepovak Flats Section	28130
Northwest Stepovak Section	28140 through 28169
Orzinski Bay	28150
American Bay	28155
Southwest Stepovak Section	28170
Balboa Bay Section	28180
Beaver Bay Section	28190
Shumagin Islands Section	28200 through 28299
<u>South Central District</u>	28300 through 28399
Mino Creek – Little Coal Bay Section	28315, 28317
East Pavlof Bay Section	28320, 28321, 28323
Canoe Bay Section	28324
West Pavlof Bay Section	28325, 28326
<u>Southwestern District^b</u>	28400 through 28499
Volcano Bay Section	28436, 28437, 28438, 28439
Belkofski Bay Section	28442
Deer Island Section	28455
Cold Bay Section	28462, 28465, 28467
Thin Point Section	28475
Morzhovoi Bay Section	28480
Ikatan Bay Section	28490
<u>Unimak District</u>	28500 through 28599
Sanak Island Section	28510
Otter Cove Section	28520, 28530
Cape Lutke Section	28540

-continued-

Area	Statistical Areas
North Alaska Peninsula	31111 through 31820
<u>Northwestern District</u>	31111 through 31299
Dublin Bay Section	31120
Urilia Bay Section	31132 through 31142
Swanson Lagoon Section	31152
Bechevin Bay Section (prior to 2000)	31158 through 31160
Bechevin Bay Section (2000 to present)	31160
Izembek- Moffet Bay Section (prior to 2000)	31210 through 31240
Izembek- Moffet Bay Section (2000 to present)	31210 through 31240 and 31158
<u>Northern District</u>	31300 through 31899
Black Hills Section	31310
Caribou Flats Section	31320
Nelson Lagoon Section	31330
Bear River Section	31500 through 31599
Three Hills Section	31610
Bear River Section	31500 through 31599
Three Hills Section	31610
Ilnik Section	31620 through 31699
Ilnik Lagoon	31622
Outer Port Heiden Section	31710
Inner Port Heiden Section	31720
Cinder River Section	31820
Harbor Point to Cape Seniavin	31500 through 31599 and 31412
Cape Seniavin to Strogonof Point	31600 through 31699
Harbor Point to Strogonof Point	31500 through 31699 and 31412
Aleutian Island Area	30200 through 30999 and 31110
Atka-Amlia Area	30500 through 30599

^a In 1985, statistical area 28370 became two areas (28370 and 28375). In 1988, Beaver Bay (28375) became part of the Southeastern District. The balance of 28370 remained in the South Central District. In 1991, statistical areas were changed to reflect Alaska Board of Fish management plans. As an aid in comparing statistics, catches from 1970-90 from statistical areas 28370 and 28375 have been designated as Beaver Bay catches from the Southeastern District. After 1990, these statistical areas were eliminated, Beaver Bay became 28190 (Southeastern District) and the Mino Creek-Little Coal Bay area became 28317 and 28315 (South Central District).

^b In 2001, statistical area 28437 became two areas (28437 and 28439).

Appendix A2.—List of processing companies purchasing salmon in the Alaska Peninsula and Aleutian Islands Management Areas, 2007.

Peter Pan Seafoods, Inc.
2200 6th Avenue #1000
Seattle, WA 98121

Norquest Seafoods
5303 Shilshole Avenue NW
Seattle, WA 98107

Alaska Peninsula Fisherman's Cooperative
P.O. Box 1488
Sumner, WA 98390

Aleutia
P.O. Box 408
Sand Point, AK 99661

Pathfinder Fisheries LLC
5470 Shilshole Ave NW # 300
Seattle, WA 98107

Appendix A3.—Estimated exvessel value of Alaska Peninsula and Aleutian Islands Management Areas commercial salmon fishery, 2007.

	Chinook ^a	Sockeye ^a	Coho ^a	Pink ^a	Chum ^a	Total ^a
SEINE						
South Peninsula						
Poundage	70,457	6,691,004	715,662	24,776,713	3,587,263	35,841,099
Average Weight	17.4	5.2	5.9	3.7	7.2	
Exvessel Value	\$45,840	\$4,274,014	\$125,318	\$3,079,269	\$471,484	\$7,995,925
Northwestern District						
Poundage	0	218,069	18	499,100	707,668	1,424,855
Average Weight		6.0	6.0	3.8	7.6	
Exvessel Value	\$0	\$141,745	\$3	\$64,883	\$103,842	\$310,473
Northern District						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value	\$0	\$0	\$0	\$0	\$0	0
North Peninsula Total						
Poundage	0	218,069	18	499,100	707,668	1,424,855
Average Weight		6.0	6.0	3.8	7.6	
Exvessel Value	\$0	\$141,745	\$3	\$64,883	\$103,842	\$310,473
Aleutian Islands Area						
Poundage	0	0	0	3,478,422	0	3,478,422
Average Weight				3.4		
Exvessel Value	\$0	\$0	\$0	\$452,195	\$0	\$452,195
Alaska Peninsula and Aleutian Islands Areas Total						
Poundage	70,457	6,909,073	715,680	28,754,235	4,294,931	40,744,376
Average Weight	17.4	5.2	5.9	3.7	7.3	
Exvessel Value	\$45,840	\$4,415,759	\$125,321	\$3,596,347	\$575,326	\$8,758,593
South Unimak and Shumagin Islands June Fisheries^b						
Poundage	62,133	4,168,178	7,280	792,633	1,164,090	6,194,314
Average Weight	17.8	5.1	5.7	3.3	6.9	
Exvessel Value	\$41,876	\$2,702,157	\$512	\$55,484	\$116,409	\$2,916,439

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Appendix A3.—Page 2 of 4.

	Chinook	Sockeye	Coho	Pink	Chum	Total
DRIFT GILLNET						
South Peninsula						
Poundage	11,625	3,024,837	28,967	57,859	767,868	3,891,156
Average Weight	18.8	5.3	6.8	3.3	6.5	
Exvessel Value	\$6,634	\$1,964,805	\$5,136	\$5,336	\$80,956	\$2,062,867
Northwestern District						
Poundage	0	80,146	926	17,658	17,070	115,800
Average Weight		6.2	6.1	3.7	7.0	
Exvessel Value	\$0	\$52,095	\$167	\$2,296	\$2,561	\$57,118
Northern District						
Poundage	63,116	17,969,788	294,481	1,720	550,796	18,879,901
Average Weight	9.4	5.7	8.1	2.8	6.9	
Exvessel Value	\$33,425	\$11,678,982	\$103,242	\$219	\$82,311	\$11,898,180
North Peninsula Total						
Poundage	63,116	18,049,934	295,407	19,378	567,866	18,995,701
Average Weight	9.4	5.7	8.1	3.6	6.9	
Exvessel Value	\$33,425	\$11,731,077	\$103,409	\$2,515	\$84,871	\$11,955,298
Alaska Peninsula and Aleutian Islands Areas Total						
Poundage	74,741	21,074,771	324,374	77,237	1,335,734	22,886,857
Average Weight	10.2	5.7	8.0	3.3	6.7	
Exvessel Value	\$40,059	\$13,695,882	\$108,545	\$7,851	\$165,827	\$14,018,165
Area T						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value	\$0	\$0	\$0	\$0	\$0	\$0
Area M						
Poundage	74,741	21,074,771	324,374	77,237	1,335,734	22,886,857
Average Weight	10.2	5.7	8.0	3.3	6.7	
Exvessel Value	\$40,059	\$13,695,882	\$108,545	\$7,851	\$165,827	\$14,018,165
South Unimak-Shumagin Islands June Fisheries^b						
Poundage	11,613	2,985,813	552	39,003	752,537	3,789,518
Average Weight	18.8	5.3	5.0	3.1	6.5	
Exvessel Value	\$6,628	\$1,939,440	\$21	\$2,885	\$78,656	\$2,027,630

-continued-

Appendix A3.—Page 3 of 4.

	Chinook	Sockeye	Coho	Pink	Chum	Total
SET GILLNET						
South Peninsula						
Poundage	9,557	3,674,639	167,143	2,015,182	468,755	6,335,276
Average Weight	15.1	6.4	6.8	3.6	7.0	
Exvessel Value (\$)	\$7,589	\$2,440,323	\$55,826	\$287,464	\$65,928	\$2,857,130
Northwestern District						
Poundage	0	1,656	0	3	126	1,785
Average Weight		5.8		3.0	7.0	
Exvessel Value (\$)	\$0	\$1,076	\$0	\$0	\$19	\$1,096
Northern District						
Poundage	11,366	1,307,372	267,103	1,289	36,719	1,623,849
Average Weight	13.2	5.7	8.2	5.2	7.9	
Exvessel Value (\$)	\$5,974	\$849,655	\$104,877	\$191	\$5,658	\$966,356
North Peninsula Total						
Poundage	11,366	1,309,028	267,103	1,292	36,845	1,625,634
Average Weight	13.2	5.7	8.2	5.2	7.9	
Exvessel Value (\$)	\$5,974	\$850,732	\$104,877	\$192	\$5,677	\$967,451
Alaska Peninsula and Aleutian Islands Total						
Poundage	20,923	4,983,667	434,246	2,016,474	505,600	7,960,910
Average Weight	14.0	6.2	7.6	3.6	7.1	
Exvessel Value (\$)	\$13,563	\$3,291,054	\$160,702	\$287,656	\$71,606	\$3,824,582
Area T						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value (\$)	0	0	0	0	0	0
Area M						
Poundage	20,923	4,983,667	434,246	2,016,474	505,600	7,960,910
Average Weight	14.0	6.2	7.6	3.6	7.1	
Exvessel Value (\$)	\$13,563	\$3,291,054	\$160,702	\$287,656	\$71,606	\$3,824,582
South Unimak-Shumagin Islands June Fisheries^b						
Poundage	7,870	1,287,390	1,500	44,666	100,363	1,441,789
Average Weight	14.9	6.1	6.3	3.3	7.1	
Exvessel Value (\$)	\$6,235	\$848,498	\$60	\$3,127	\$10,333	\$868,253

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	Chinook	Sockeye	Coho	Pink	Chum	Total
ALL GEAR COMBINED						
South Peninsula						
Poundage	91,639	13,390,480	911,772	26,849,754	4,823,886	46,067,531
Average Weight	17.5	6.00	6.1	3.3	7.5	
Exvessel Value (\$)	\$60,063	\$8,679,142	\$186,280	\$3,372,070	\$618,368	\$12,915,923
Northwestern District						
Poundage	0	299,871	944	516,761	724,864	1,542,440
Average Weight	20.0	5.3	6.6	3.5	8.0	
Exvessel Value (\$)	\$0	\$194,916	\$170	\$67,179	\$106,422	\$368,687
Northern District						
Poundage	74,482	19,277,160	561,584	3,009	587,515	20,503,750
Average Weight	11.3	5.6	7.5	3.3	7.0	
Exvessel Value (\$)	\$39,400	\$12,528,637	\$208,119	\$411	\$87,969	\$12,864,536
North Peninsula Total						
Poundage	74,482	19,577,031	562,528	519,770	1,312,379	22,046,190
Average Weight	11.3	5.6	7.5	3.5	7.3	
Exvessel Value (\$)	\$39,400	\$12,723,553	\$208,289	\$67,590	\$194,391	\$13,233,222
Aleutian Islands Total						
Poundage	0	0	0	3,478,422	0	3,478,422
Average Weight		0.0		3.4	0.0	
Exvessel Value (\$)	\$0	\$0	\$0	\$452,195	\$0	\$452,195
Alaska Peninsula and Aleutian Islands Areas Total						
Poundage	166,121	32,967,511	1,474,300	30,847,946	6,136,265	71,592,143
Average Weight	12.9	5.6	6.7	3.7	7.1	
Exvessel Value (\$)	\$99,463	\$21,402,695	\$394,568	\$3,891,854	\$812,759	\$26,601,340
Area T						
Poundage	0	0	0	0	0	0
Average Weight						
Exvessel Value (\$)	\$0	\$0	\$0	\$0	\$0	\$0
Area M						
Poundage	166,121	32,967,511	1,474,300	30,847,946	6,136,265	71,592,143
Average Weight	12.9	5.6	6.7	3.7	7.1	
Exvessel Value (\$)	\$99,463	\$21,402,695	\$394,568	\$3,891,854	\$812,759	\$26,601,340
South Unimak-Shumagin Islands June Fisheries^b						
Poundage	81,616	8,441,381	9,332	876,302	2,016,990	11,425,621
Average Weight	17.6	5.3	5.7	3.3	6.8	
Exvessel Value (\$)	\$54,739	\$5,490,095	\$594	\$61,496	\$205,399	\$5,812,322

Note: values do not include test fisheries.

^a All value figures are estimates based on limited information with the Chinook, coho, and chum salmon value figures are more certain than those of sockeye and pink salmon.

^b These figures are included in the South Peninsula and total Alaska Peninsula and Aleutian Islands Areas.

Appendix A4.—Alaska Peninsula and Aleutian Islands Management Areas estimated exvessel value (\$) of commercially caught salmon by year, species, and gear, 1979-2007.

Year	Gear	Exvessel Value					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1979	Seine	\$41,024	\$5,806,222	\$2,403,576	\$9,544,217	\$1,706,042	\$19,501,081
	Drift Gillnet	\$240,779	\$11,753,626	\$441,669	\$39,800	\$263,172	\$12,739,046
	Set Gillnet	\$201,398	\$2,505,152	\$355,256	\$123,283	\$158,286	\$3,343,375
	Total	\$483,201	\$20,065,000	\$3,200,501	\$9,707,300	\$2,127,500	\$35,583,502
1980	Seine	\$58,969	\$9,244,048	\$933,974	\$13,857,200	\$4,534,200	\$28,628,391
	Drift Gillnet	\$152,604	\$5,505,669	\$291,213	\$9,800	\$1,077,000	\$7,036,286
	Set Gillnet	\$88,426	\$1,250,283	\$274,813	\$133,000	\$388,800	\$2,135,322
	Total	\$299,999	\$16,000,000	\$1,500,000	\$14,000,000	\$6,000,000	\$37,799,999
1981	Seine	\$149,904	\$7,555,092	\$818,867	\$7,780,053	\$6,186,088	\$22,490,004
	Drift Gillnet	\$227,880	\$12,919,049	\$402,703	\$23,122	\$1,387,760	\$14,960,514
	Set Gillnet	\$162,216	\$3,359,859	\$440,430	\$169,825	\$485,152	\$4,617,482
	Total	\$540,000	\$23,834,000	\$1,662,000	\$7,973,000	\$8,059,000	\$42,068,000
1982	Seine	\$159,719	\$7,342,780	\$1,193,753	\$6,273,624	\$5,222,369	\$20,192,245
	Drift Gillnet	\$482,670	\$9,920,524	\$790,307	\$53,286	\$2,086,026	\$13,332,813
	Set Gillnet	\$299,612	\$1,690,697	\$701,940	\$93,090	\$380,606	\$3,165,945
	Total	\$942,001	\$18,954,001	\$2,686,000	\$6,420,000	\$7,689,001	\$36,691,003
1983	Seine	\$290,228	\$7,710,942	\$413,021	\$2,798,538	\$3,682,741	\$14,895,470
	Drift Gillnet	\$264,657	\$11,836,113	\$106,775	\$8,857	\$799,006	\$13,015,408
	Set Gillnet	\$138,115	\$2,438,945	\$233,204	\$79,605	\$207,254	\$3,097,123
	Total	\$693,000	\$21,986,000	\$753,000	\$2,887,000	\$4,689,001	\$31,008,001
1984	Seine	\$162,878	\$6,927,466	\$1,283,032	\$12,265,369	\$3,384,960	\$24,023,705
	Drift Gillnet	\$366,861	\$8,895,318	\$721,161	\$88,448	\$1,218,684	\$11,290,472
	Set Gillnet	\$160,861	\$3,680,216	\$524,907	\$241,183	\$316,356	\$4,923,523
	Total	\$690,600	\$19,503,000	\$2,529,100	\$12,595,000	\$4,920,000	\$40,237,700
1985	Seine	\$111,106	\$8,835,393	\$966,202	\$3,590,683	\$3,367,800	\$16,871,184
	Drift Gillnet	\$313,931	\$15,569,329	\$528,289	\$20,455	\$804,537	\$17,236,541
	Set Gillnet	\$196,363	\$3,651,278	\$559,510	\$176,901	\$190,663	\$4,774,715
	Total	\$621,400	\$28,056,000	\$2,054,001	\$3,788,039	\$4,363,000	\$38,882,440
1986	Seine	\$63,512	\$7,218,401	\$1,109,746	\$2,665,608	\$4,151,941	\$15,209,208
	Drift Gillnet	\$102,301	\$19,594,136	\$462,212	\$28,793	\$688,716	\$20,876,158
	Set Gillnet	\$59,587	\$4,274,463	\$414,342	\$74,198	\$243,344	\$5,065,934
	Total	\$225,400	\$31,087,000	\$1,986,300	\$2,768,599	\$5,084,001	\$41,151,300
1987	Seine	\$174,544	\$7,305,460	\$1,383,112	\$1,691,295	\$3,320,666	\$13,875,077
	Drift Gillnet	\$247,653	\$14,594,398	\$908,674	\$9,073	\$1,185,440	\$16,945,238
	Set Gillnet	\$98,803	\$5,636,742	\$664,213	\$78,632	\$273,894	\$6,752,284
	Total	\$521,000	\$27,536,600	\$2,955,999	\$1,779,000	\$4,780,000	\$37,572,599

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Year	Gear	Exvessel Value					
		Chinook	Sockeye	Coho	Pink	Chum	Total
1988	Seine	\$232,723	\$11,952,232	\$3,534,600	\$19,005,582	\$10,403,088	\$45,128,225
	Drift Gillnet	\$297,533	\$23,503,525	\$1,742,790	\$506,192	\$3,213,893	\$29,263,933
	Set Gillnet	\$142,743	\$7,280,243	\$1,172,610	\$817,226	\$787,019	\$10,199,841
	Total	\$672,999	\$42,736,000	\$6,450,000	\$20,329,000	\$14,404,000	\$84,591,999
1989	Seine	\$117,486	\$14,925,204	\$1,831,648	\$8,958,999	\$1,947,290	\$27,780,627
	Drift Gillnet	\$159,100	\$18,253,184	\$1,292,059	\$113,538	\$890,441	\$20,708,322
	Set Gillnet	\$89,414	\$6,112,612	\$870,293	\$468,463	\$273,268	\$7,814,050
	Total	\$366,000	\$39,291,000	\$3,994,000	\$9,541,000	\$3,110,999	\$56,302,999
1990	Seine	\$239,867	\$12,937,460	\$1,354,192	\$3,369,540	\$2,368,008	\$20,269,067
	Drift Gillnet	\$271,284	\$22,736,487	\$940,241	\$52,242	\$670,851	\$24,671,105
	Set Gillnet	\$91,435	\$6,685,754	\$670,804	\$69,974	\$197,143	\$7,715,110
	Total	\$602,586	\$42,359,701	\$2,965,237	\$3,491,756	\$3,236,002	\$52,655,282
1991 ^a	Seine	\$66,000	\$6,100,000	\$620,000	\$3,776,000	\$1,750,000	\$12,312,000
	Drift Gillnet	\$62,000	\$12,000,000	\$649,000	\$13,000	\$600,690	\$13,324,690
	Set Gillnet	\$46,600	\$4,541,600	\$245,000	\$143,700	\$259,910	\$5,236,810
	Total	\$174,600	\$22,641,600	\$1,514,000	\$3,932,700	\$2,610,600	\$30,873,500
1992 ^a	Seine	\$102,000	\$17,044,000	\$1,162,000	\$5,315,000	\$2,534,000	\$26,157,000
	Drift Gillnet	\$94,000	\$32,344,000	\$540,000	\$103,000	\$458,000	\$33,539,000
	Set Gillnet	\$58,600	\$8,635,000	\$594,000	\$261,000	\$214,000	\$9,762,600
	Total	\$254,600	\$58,023,000	\$2,296,000	\$5,679,000	\$3,206,000	\$69,458,600
1993 ^a	Seine	\$140,000	\$10,261,000	\$402,000	\$4,521,000	\$1,640,000	\$16,964,000
	Drift Gillnet	\$114,000	\$20,204,000	\$147,000	\$5,000	\$314,000	\$20,784,000
	Set Gillnet	\$67,000	\$4,523,000	\$280,000	\$141,000	\$122,000	\$5,133,000
	Total	\$321,000	\$34,988,000	\$829,000	\$4,667,000	\$2,076,000	\$42,881,000
1994 ^a	Seine	\$91,430	\$5,525,400	\$655,025	\$4,987,020	\$3,298,450	\$14,557,325
	Drift Gillnet	\$63,360	\$16,912,700	\$513,600	\$63,220	\$305,070	\$17,857,950
	Set Gillnet	\$32,140	\$4,506,000	\$551,140	\$174,390	\$250,050	\$5,513,720
	Total	\$186,930	\$26,944,100	\$1,719,765	\$5,224,630	\$3,853,570	\$37,928,995
1995 ^a	Seine	\$215,270	\$9,365,000	\$492,000	\$9,460,760	\$2,118,300	\$21,651,330
	Drift Gillnet	\$66,220	\$22,170,800	\$187,010	\$29,600	\$421,550	\$22,875,180
	Set Gillnet	\$47,650	\$5,860,000	\$227,000	\$385,770	\$200,578	\$6,720,998
	Total	\$329,140	\$37,395,800	\$906,010	\$9,876,130	\$2,740,428	\$51,247,508
1996 ^a	Seine	\$27,168	\$2,846,000	\$448,000	\$361,702	\$260,600	\$3,943,470
	Drift Gillnet	\$24,045	\$9,472,000	\$232,300	\$15,501	\$88,490	\$9,832,336
	Set Gillnet	\$13,512	\$4,402,700	\$268,020	\$60,167	\$59,650	\$4,804,049
	Total	\$64,725	\$16,720,700	\$948,320	\$437,370	\$408,740	\$18,579,855

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Year	Gear	Exvessel Value					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1997 ^a	Seine	\$32,730	\$3,302,000	\$79,150	\$1,029,510	\$342,200	\$4,785,590
	Drift Gillnet	\$54,160	\$15,330,000	\$141,300	\$29,600	\$128,380	\$15,683,440
	Set Gillnet	\$25,320	\$5,890,600	\$210,950	\$35,320	\$49,249	\$6,211,439
	Total	\$112,210	\$24,522,600	\$431,400	\$1,094,430	\$519,829	\$26,680,469
1998 ^a	Seine	\$21,007	\$3,777,000	\$221,000	\$3,058,500	\$356,000	\$7,433,507
	Drift Gillnet	\$17,450	\$10,787,000	\$219,800	\$104,400	\$181,600	\$11,310,250
	Set Gillnet	\$16,041	\$5,074,600	\$147,200	\$240,319	\$121,524	\$5,599,684
	Total	\$54,498	\$19,638,600	\$588,000	\$3,403,219	\$659,124	\$24,343,441
1999 ^a	Seine	\$21,000	\$7,086,000	\$236,000	\$3,000,016	\$368,023	\$10,711,039
	Drift Gillnet	\$20,900	\$13,648,600	\$116,300	\$6,350	\$128,086	\$13,920,236
	Set Gillnet	\$12,300	\$7,792,000	\$87,700	\$151,030	\$93,250	\$8,136,280
	Total	\$54,200	\$28,526,600	\$440,000	\$3,157,396	\$589,359	\$32,767,555
2000 ^a	Seine	\$19,040	\$3,430,000	\$332,110	\$1,372,000	\$616,000	\$5,769,150
	Drift Gillnet	\$24,320	\$12,131,000	\$91,400	\$15,076	\$149,400	\$12,411,196
	Set Gillnet	\$9,115	\$4,461,500	\$118,750	\$127,047	\$117,363	\$4,833,775
	Total	\$52,475	\$20,022,500	\$542,260	\$1,514,123	\$882,763	\$23,014,121
2001 ^a	Seine	\$4,658	\$522,000	\$144,001	\$1,219,050	\$646,616	\$2,536,325
	Drift Gillnet	\$9,351	\$3,267,000	\$56,740	\$11,784	\$78,492	\$3,423,367
	Set Gillnet	\$9,735	\$1,533,700	\$37,576	\$105,213	\$117,091	\$1,803,315
	Total	\$23,744	\$5,322,700	\$238,317	\$1,336,047	\$842,199	\$7,763,007
2002 ^a	Seine	\$15,969	\$1,276,000	\$106,401	\$634,000	\$455,537	\$2,487,907
	Drift Gillnet	\$10,879	\$4,218,000	\$30,405	\$8,260	\$128,010	\$4,395,554
	Set Gillnet	\$7,444	\$1,971,700	\$21,462	\$75,020	\$50,439	\$2,126,065
	Total	\$34,292	\$7,465,700	\$158,268	\$717,280	\$633,986	\$9,009,526
2003 ^a	Seine	\$6,824	\$1,091,084	\$52,000	\$743,012	\$324,911	\$2,217,831
	Drift Gillnet	\$11,582	\$4,433,190	\$61,313	\$10,341	\$83,203	\$4,599,629
	Set Gillnet	\$6,015	\$2,346,327	\$81,000	\$70,004	\$49,149	\$2,552,495
	Total	\$24,421	\$7,870,601	\$194,313	\$823,357	\$457,263	\$9,369,955
2004 ^a	Seine	\$37,019	\$3,439,099	\$125,000	\$1,456,300	\$407,504	\$5,464,922
	Drift Gillnet	\$47,700	\$7,104,216	\$45,210	\$7,400	\$74,380	\$7,278,906
	Set Gillnet	\$15,000	\$3,341,111	\$79,000	\$51,030	\$46,077	\$3,532,218
	Total	\$99,719	\$13,884,426	\$249,210	\$1,514,730	\$527,961	\$16,276,046
2005 ^a	Seine	\$16,053	\$4,208,707	\$127,659	\$2,107,053	\$419,752	\$6,879,224
	Drift Gillnet	\$40,844	\$10,755,107	\$111,737	\$13,092	\$84,776	\$11,005,556
	Set Gillnet	\$16,674	\$4,646,029	\$101,015	\$100,064	\$65,000	\$4,928,782
	Total	\$73,571	\$19,609,843	\$340,411	\$2,220,209	\$569,528	\$22,813,562

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Year	Gear	Exvessel Value					Total
		Chinook	Sockeye	Coho	Pink	Chum	
2006 ^a	Seine	\$36,580	\$2,829,392	\$128,636	\$1,514,315	\$1,034,961	\$5,543,884
	Drift Gillnet	\$32,072	\$7,407,573	\$132,248	\$12,290	\$127,860	\$7,712,043
	Set Gillnet	\$17,264	\$3,255,140	\$213,534	\$100,192	\$69,010	\$3,655,140
	Total	\$85,916	\$13,492,105	\$474,418	\$1,626,797	\$1,231,831	\$16,911,067
2007 ^a	Seine	\$45,840	\$4,415,759	\$125,321	\$3,596,347	\$575,326	\$8,758,593
	Drift Gillnet	\$40,059	\$13,695,882	\$108,545	\$7,851	\$165,827	\$14,018,165
	Set Gillnet	\$13,563	\$3,291,054	\$160,702	\$287,656	\$71,606	\$3,824,582
	Total	\$99,463	\$21,402,695	\$394,568	\$3,891,854	\$812,759	\$26,601,340
1991-1995	Seine	\$122,940	\$9,659,080	\$666,205	\$5,611,956	\$2,268,150	\$18,328,331
	Drift Gillnet	\$79,916	\$20,726,300	\$407,322	\$42,764	\$419,862	\$21,676,164
	Average ^a Set Gillnet	\$50,398	\$5,613,120	\$379,428	\$221,172	\$209,308	\$6,473,426
	Total	\$253,254	\$35,998,500	\$1,452,955	\$5,875,892	\$2,897,320	\$46,477,921
1996-2000	Seine	\$24,189	\$4,088,200	\$263,252	\$1,764,346	\$388,565	\$6,528,551
	Drift Gillnet	\$28,175	\$12,273,720	\$160,220	\$34,185	\$135,191	\$12,631,492
	Average ^a Set Gillnet	\$15,258	\$5,524,280	\$166,524	\$122,777	\$88,207	\$5,917,045
	Total	\$67,622	\$21,886,200	\$589,996	\$1,921,308	\$611,963	\$25,077,088
2001-2006	Seine	\$19,517	\$2,227,714	\$113,950	\$1,278,955	\$548,214	\$3,917,242
	Drift Gillnet	\$25,405	\$6,197,514	\$72,942	\$10,528	\$96,120	\$6,140,602
	Average ^a Set Gillnet	\$12,022	\$2,849,001	\$88,931	\$83,587	\$66,128	\$2,988,575
	Total	\$56,944	\$11,274,229	\$275,823	\$1,373,070	\$710,461	\$13,690,527

^a Area M fishermen only.

Appendix A5.—Average weights and approximate exvessel prices for salmon in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Areas, 1979-2007.

Year	Average Weight (lbs)					Average Price (\$/lb) ^a				
	Chinook	Sockeye	Coho	Pink	Chum	Chinook	Sockeye	Coho	Pink	Chum
1979	22.9	5.8	7.4	3.6	7.3	1.18	1.10	0.92	0.38	0.53
1980	19.4	5.2	6.4	3.2	6.6	0.72	0.62	0.58	0.40	0.44
1981	17.9	5.8	7.5	3.6	7.2	1.02	1.00	0.70	0.42	0.45
1982	19.6	5.9	7.8	3.1	7.4	1.21	0.85	0.70	0.25	0.40
1983	17.5	5.5	7.6	3.8	6.9	0.71	0.86	0.49	0.27	0.33
1984	19.5	5.7	7.8	3.6	7.2	1.11	0.83	0.63	0.25	0.28
1985	19.5	5.4	7.8	4.1	7.0	1.06	1.09	0.75	0.21	0.31
1986	17.4	6.0	7.1	3.4	7.1	0.75	1.41	0.70	0.20	0.35
1987	18.6	6.3	7.6	3.5	7.1	1.20	1.65	0.98	0.25	0.39
1988	17.1	6.0	7.5	3.6	7.5	1.41	2.36	1.16	0.78	0.83
1989	17.9	5.8	7.3	3.8	6.8	1.14	1.54	0.82	0.35	0.40
1990	16.4	5.7	7.5	3.1	6.6	1.25	1.53	0.79	0.31	0.36
1991	16.4	5.6	6.9	3.1	6.4	0.77	0.86	0.53	0.12	0.23
1992	16.4	5.6	6.9	3.3	6.7	0.97	1.47	0.63	0.17	0.29
1993	17.2	5.7	6.3	3.4	6.3	0.80	0.82	0.49	0.14	0.28
1994	18.4	5.5	8.2	3.4	6.7	0.61	1.01	0.57	0.15	0.25
1995	19.8	5.4	6.7	3.6	7.0	0.74	1.10	0.42	0.17	0.22
1996	17.1	6.0	7.3	3.3	7.4	0.40	0.81	0.34	0.06	0.07
1997	16.0	5.8	7.4	3.3	6.8	0.55	0.97	0.40	0.15	0.11
1998	15.3	5.7	7.6	3.5	7.1	0.40	1.06	0.38	0.12	0.12
1999	15.1	5.3	6.1	3.1	6.8	0.39	1.13	0.30	0.12	0.10
2000	15.4	5.9	6.9	2.9	7.6	0.38	0.86	0.26	0.14	0.10
2001	14.2	6.0	6.9	3.7	7.7	0.25	0.51	0.15	0.09	0.10
2002	13.4	5.5	6.8	3.6	7.3	0.25	0.55	0.10	0.08	0.10
2003	13.4	6.0	7.6	3.8	6.8	0.25	0.52	0.14	0.05	0.10
2004	16.0	5.7	6.7	3.3	6.6	0.36	0.52	0.14	0.07	0.10
2005	13.5	6.1	6.9	3.2	6.6	0.40	0.59	0.24	0.07	0.11
2006	13.8	5.8	6.6	3.4	7.5	0.70	0.56	0.28	0.09	0.14
2007	12.9	5.6	6.7	3.7	7.1	0.60	0.65	0.27	0.13	0.13
<hr/>										
1979-1996										
Average	18.3	5.7	7.3	3.5	7.0	0.95	1.16	0.68	0.27	0.36
<hr/>										
1997-2006										
Average	14.6	5.8	7.0	3.4	7.1	0.39	0.73	0.24	0.10	0.11

^a Does not include processor bonuses, incentives, RSW, or postseason adjustments.

Appendix A6.—Number of Area M and Area T limited entry permits and fishing effort in the Alaska Peninsula and Aleutian Islands Management Areas, 1975-2007.

Year	Purse Seine		Drift Gillnet			Set Gillnet		
	Area M Active Permits ^a	Area M Permits ^b Fished	Area M Active Permits ^a	Area M Permits ^b Fished	Area T Permits ^{b,c} Fished	Area M Active Permits ^a	Area M Permits ^b Fished	Area T Permits ^{b,c} Fished
1975	126	56	173	102	6	110	40	^d
1976	114	90	155	118	10	116	53	6
1977	113	87	156	114	15	109	57	8
1978	123	115	158	133	26	114	61	8
1979	123	136	161	178	21	115	86	10
1980	125	126	163	157	25	115	88	16
1981	127	122	164	155	18	117	88	21
1982	127	119	164	159	23	117	94	18
1983	127	122	166	159	18	116	94	7
1984	126	121	165	158	44	115	103	15
1985	127	123	165	158	44	115	103	18
1986	125	121	165	163	37	116	100	7
1987	125	116	165	163	48	116	108	9
1988	124	114	163	162	59	116	106	14
1989	126	119	164	158	64	116	111	18
1990	126	121	164	166	63	116	114	15
1991	126	126	164	162	68	116	111	12
1992	125	119	164	161	102	116	111	18
1993	125	123	164	162	50	116	114	11
1994	124	118	164	164	77	116	108	9
1995	124	118	164	164	81	116	110	12
1996	124	102	164	164	32	116	110	6
1997	122	82	164	158	42	116	110	10
1998	122	79	164	159	60	115	112	7 ^d
1999	121	74	164	160	21	115	107	^d
2000	121	76	161	156	27	115	109	^d
2001	121	64	160	137	4	115	99	^d
2002	122	42	160	114	^d	115	92	0
2003	120	46	160	110	4	115	86	0
2004	122	42	161	117	^d	115	86	0
2005	121	46	162	131	10	115	93	^d
2006	119	43	162	133	6	114	95	0
2007	118	46	162	127	0	114	90	0
1997-2006								
Average	121	59	162	138	22	115	99	3

^a Active Permits are defined as follows: all permanent permits, regardless of whether they have been renewed, and interim use and interim entry permits that have been issued. Excluded from Active Permits are any permits that have been revoked and interim permits that have not been issued (renewed) for the given year.

^b Making at least one delivery during the year.

^c During a portion of the season, in specific sections, Area T set and drift gillnet fishermen are allowed to fish in portions of the Alaska Peninsula Area.

^d Confidentiality rules prohibit the release of this information.

Appendix A7.—Number of Area T permit holders fishing by general location in the Alaska Peninsula Area, 1984-2007.

Year	Drift Gillnet				Set Gillnet		
	Ilnik and Outer Port Heiden ^a	Inner Port Heiden	Cinder River	Total Area T	Inner Port Heiden	Cinder River	Total Area T
1984	8	19	25	52	4	11	15
1985	0	25	23	48	6	11	18
1986	13	23	^b	37	7	0	7
1987	17	23	10	50	5	4	9
1988	22	28	18	68	7	7	14
1989	34	22	15	71	5	13	18
1990	0	28	39	67	5	11	15
1991	0	22	50	72	4	8	12
1992	0	20	85	105	4	14	18
1993	0	17	34	51	^b	8	^b
1994	0	18	59	77	^b	7	^b
1995	0	19	62	81	5	7	12
1996	0	0	32	32	0	6	6
1997	0	17	25	42	^b	7	^b
1998	0	10	50	60	^b	6	^b
1999	0	9	12	21	0	^b	^b
2000	0	12	15	27	^b	^b	^b
2001	0	0	4	4	0	^b	^b
2002	0	0	^b	^b	0	0	0
2003	0	0	4	4	0	0	0
2004	0	0	^b	^b	0	0	0
2005	0	4	6	10	0	^b	^b
2006	0	6	0	6	0	0	0
2007	0	0	0	0	0	0	0

^a The Outer Port Heiden Section was closed to commercial salmon fishing and Area T permit holders were regulated out of the Ilnik Section except Ilnik Lagoon after 1989.

^b Confidentiality requirements prohibit releasing this information.

APPENDIX B: COMMERCIAL HARVEST DATA

Appendix B1.—Alaska Peninsula and Aleutian Islands commercial salmon harvest in numbers of fish by year, for the South Alaska Peninsula, North Alaska Peninsula, Aleutian Islands, and Atka-Amlia Areas, 1906-2007.

Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1906	South Peninsula	0	0	0	0	0	0
	North Peninsula	1,500	135,000	0	0	0	136,500
	Aleutian Islands	0	0	0	0	0	0
	Total	1,500	135,000	0	0	0	136,500
1907	South Peninsula	0	0	0	0	0	0
	North Peninsula	1,700	66,500	3,200	1,500	0	72,900
	Aleutian Islands	0	0	0	0	0	0
	Total	1,700	66,500	3,200	1,500	0	72,900
1908	South Peninsula	0	69,400	0	0	0	69,400
	North Peninsula	1,500	166,900	0	0	0	168,400
	Aleutian Islands	0	0	0	0	0	0
	Total	1,500	236,300	0	0	0	237,800
1909	South Peninsula	0	108,400	7,200	0	0	115,600
	North Peninsula	1,500	143,000	0	0	1,000	145,500
	Aleutian Islands	0	0	0	0	0	0
	Total	1,500	251,400	7,200	0	1,000	261,100
1910	South Peninsula	0	46,300	5,500	0	0	51,800
	North Peninsula	0	0	0	0	0	0
	Aleutian Islands	0	0	0	0	0	0
	Total	0	46,300	5,500	0	0	51,800
1911	South Peninsula	0	240,800	12,400	25,200	83,000	361,400
	North Peninsula	0	129,600	0	0	0	129,600
	Aleutian Islands	0	9,300	0	0	0	9,300
	Total	0	379,700	12,400	25,200	83,000	500,300
1912	South Peninsula	0	334,400	27,000	40,400	195,000	596,800
	North Peninsula	900	252,700	11,000	0	2,400	267,000
	Aleutian Islands	0	0	0	0	0	0
	Total	900	587,100	38,000	40,400	197,400	863,800
1913	South Peninsula	1,800	299,700	0	0	7,000	308,500
	North Peninsula	600	888,800	18,700	0	2,000	910,100
	Aleutian Islands	0	0	0	0	0	0
	Total	2,400	1,188,500	18,700	0	9,000	1,218,600
1914	South Peninsula	600	628,900	0	311,000	221,100	1,171,500
	North Peninsula	8,100	1,325,100	0	0	0	1,333,200
	Aleutian Islands	0	0	0	0	0	0
	Total	8,700	1,954,000	9,900	311,000	221,100	2,504,700
1915	South Peninsula	4,800	367,900	16,200	120,100	333,100	842,100
	North Peninsula	14,000	1,974,300	0	0	54,800	2,043,100
	Aleutian Islands	0	0	0	0	0	0
	Total	18,800	2,342,200	16,200	120,100	387,900	2,885,200

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1916	South Peninsula	6,800	730,900	34,100	576,100	508,900	1,856,800
	North Peninsula	44,200	1,974,700	0	2,600	191,400	2,212,900
	Aleutian Islands	0	76,500	1,200	180,300	100	258,100
	Total	51,000	2,782,100	35,300	759,000	700,400	4,327,800
1917	South Peninsula	6,400	1,486,100	4,600	72,100	415,500	1,984,700
	North Peninsula	20,000	679,600	6,800	600	90,300	797,300
	Aleutian Islands	0	70,400	3,800	600	23,100	97,900
	Total	26,400	2,236,100	15,200	73,300	528,900	2,879,900
1918	South Peninsula	8,700	1,014,100	16,300	2,150,000	1,501,000	4,690,900
	North Peninsula	9,700	1,208,500	0	1,200	252,300	1,471,700
	Aleutian Islands	0	55,200	4,400	75,600	135,200	270,400
	Total	18,400	2,277,800	20,700	2,227,600	1,888,500	6,433,000
1919	South Peninsula	9,600	619,100	56,100	80,200	921,400	1,686,400
	North Peninsula	19,600	389,200	0	12,000	143,500	564,300
	Aleutian Islands	0	3,900	800	4,000	0	8,700
	Total	29,200	1,012,200	56,900	96,200	1,064,900	2,259,400
1920	South Peninsula	7,800	1,142,300	47,700	2,109,800	934,000	4,241,600
	North Peninsula	19,000	1,371,900	0	0	37,000	1,427,900
	Aleutian Islands	0	10,100	2,800	0	0	12,900
	Total	26,800	2,524,300	50,500	2,109,800	971,000	5,682,400
1921	South Peninsula	700	830,700	1,500	47,300	84,600	964,800
	North Peninsula	12,500	1,746,500	0	0	32,800	1,791,800
	Aleutian Islands	0	0	0	0	0	0
	Total	13,200	2,577,200	1,500	47,300	117,400	2,756,600
1922	South Peninsula	6,900	3,376,800	2,200	756,700	349,300	4,491,900
	North Peninsula	10,400	667,900	0	0	42,900	721,200
	Aleutian Islands	0	14,000	0	0	0	14,000
	Total	17,300	4,058,700	2,200	756,700	392,200	5,227,100
1923	South Peninsula	4,100	1,827,200	75,300	143,600	538,900	2,589,100
	North Peninsula	9,100	731,700	100	0	25,800	766,700
	Aleutian Islands	0	0	0	0	0	0
	Total	13,200	2,558,900	75,400	143,600	564,700	3,355,800
1924	South Peninsula	3,900	1,352,000	127,300	3,931,300	1,330,700	6,745,200
	North Peninsula	10,500	701,700	0	0	48,400	760,600
	Aleutian Islands	0	24,900	0	673,800	100	698,800
	Total	14,400	2,078,600	127,300	4,605,100	1,379,200	8,204,600
1925	South Peninsula	10,700	820,500	127,100	382,100	1,116,800	2,457,200
	North Peninsula	10,600	400,200	0	0	53,900	464,700
	Aleutian Islands	0	18,600	0	3,800	9,100	31,500
	Total	21,300	1,239,300	127,100	385,900	1,179,800	2,953,400
1926	South Peninsula	9,500	3,071,500	193,800	3,719,700	1,179,800	8,174,300
	North Peninsula	23,900	672,900	0	0	71,500	768,300
	Aleutian Islands	0	1,300	0	521,700	7,800	530,800
	Total	33,400	3,745,700	193,800	4,241,400	1,259,100	9,473,400

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1927	South Peninsula	9,600	714,700	125,300	1,455,500	1,299,700	3,604,800
	North Peninsula	16,500	230,600	100	0	87,000	334,200
	Aleutian Islands	0	17,300	0	334,600	0	351,900
	Total	26,100	962,600	125,400	1,790,100	1,386,700	4,290,900
1928	S.Pen & Aleutian	7,700	971,500	96,600	900,900	2,416,300	4,393,000
	North Peninsula	4,600	855,600	0	0	83,500	943,700
	Total	12,300	1,827,100	96,600	900,900	2,499,800	5,336,700
1929	S.Pen & Aleutian	10,500	935,800	84,500	1,793,500	2,429,000	5,253,300
	North Peninsula	4,100	878,000	0	0	145,200	1,027,300
	Total	14,600	1,813,800	84,500	1,793,500	2,574,200	6,280,600
1930	S.Pen & Aleutian	10,900	935,200	161,100	6,094,800	1,278,100	8,480,100
	North Peninsula	3,800	167,700	0	0	93,400	265,200
	Total	14,700	1,102,900	161,100	6,094,800	1,371,800	8,745,300
1931	S.Pen & Aleutian	11,000	1,863,200	128,700	997,900	1,216,000	4,211,800
	North Peninsula	1,300	761,000	0	0	54,900	817,200
	Total	12,300	2,624,200	128,700	997,900	1,265,900	5,029,000
1932	S.Pen & Aleutian	17,400	2,977,300	112,300	3,604,800	817,300	7,529,100
	North Peninsula	3,200	977,100	0	0	56,300	1,036,600
	Total	20,600	3,954,400	112,300	3,604,800	873,600	8,565,700
1933	S.Pen & Aleutian	12,600	1,996,700	190,000	3,109,200	1,173,900	6,482,400
	North Peninsula	1,100	350,100	0	0	16,000	367,200
	Total	13,700	2,346,800	190,000	3,109,200	1,189,900	6,849,600
1934	S.Pen & Aleutian	17,600	1,372,400	247,100	6,538,500	1,940,300	10,115,900
	North Peninsula	1,600	1,091,300	0	400	13,000	1,106,300
	Total	19,200	2,463,700	247,100	6,538,900	1,953,300	11,222,200
1935	S.Pen & Aleutian	13,900	978,400	117,200	5,386,200	2,003,100	8,498,800
	North Peninsula	1,000	479,200	0	100	33,800	514,100
	Total	14,900	1,457,600	117,200	5,386,300	2,036,900	9,012,900
1936	S.Pen & Aleutian	14,400	3,662,600	284,600	9,471,000	2,310,900	15,743,500
	North Peninsula	1,000	610,700	0	2,800	19,000	633,500
	Total	15,400	4,273,300	284,600	9,473,800	2,329,900	16,377,000
1937	S.Pen & Aleutian	9,300	1,558,000	73,900	9,302,000	1,506,700	12,449,900
	North Peninsula	1,600	860,900	0	100	65,600	928,200
	Total	10,900	2,418,900	73,900	9,302,100	1,572,300	13,378,100
1938	S.Pen & Aleutian	6,400	772,100	220,700	7,169,100	1,476,600	9,644,900
	North Peninsula	5,900	1,009,600	0	0	34,700	1,050,200
	Total	12,300	1,781,700	220,700	7,169,100	1,511,300	10,695,100
1939	S.Pen & Aleutian	16,500	1,881,700	98,900	6,005,300	1,440,600	9,443,000
	North Peninsula	3,900	746,200	0	0	82,200	832,300
	Total	20,400	2,527,900	98,900	6,005,300	1,522,800	10,275,300
1940	S.Pen & Aleutian	9,100	1,040,300	184,200	7,182,800	2,326,300	10,472,700
	North Peninsula	700	678,900	0	0	65,600	745,200
	Total	9,800	1,719,200	184,200	7,182,800	2,391,900	11,487,900

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1941	S.Pen & Aleutian	13,000	1,072,000	183,000	5,347,000	1,542,000	8,157,800
	North Peninsula	700	491,700	0	3,200	30,200	525,800
	Total	13,700	1,563,700	183,000	5,350,200	1,572,200	8,682,800
1942	S.Pen & Aleutian	4,800	810,100	123,000	6,762,600	1,321,100	9,021,600
	North Peninsula	0	0	0	0	0	0
	Total	4,800	810,100	123,000	6,762,600	1,321,100	9,021,600
1943	S.Pen & Aleutian	21,700	2,397,700	90,600	4,360,200	924,500	7,794,700
	North Peninsula	200	567,400	0	1,300	50,400	619,300
	Total	21,900	2,965,100	90,600	4,361,500	974,900	8,414,000
1944	S.Pen & Aleutian	9,900	538,600	238,700	2,653,800	985,600	4,426,600
	North Peninsula	100	414,700	0	2,600	157,900	575,300
	Total	10,000	953,300	238,700	2,656,400	1,143,500	5,001,900
1945	S.Pen & Aleutian	21,400	813,400	116,100	3,639,600	948,900	5,539,400
	North Peninsula	100	394,400	0	2,500	335,100	732,100
	Total	21,500	1,207,800	116,100	3,642,100	1,284,000	6,271,500
1946	S.Pen & Aleutian	6,100	752,300	151,400	1,964,000	1,219,900	4,093,700
	North Peninsula	2,500	697,700	300	0	36,000	736,500
	Total	8,600	1,450,000	151,700	1,964,000	1,255,900	4,830,200
1947	S.Pen & Aleutian	3,400	1,137,100	55,800	2,319,600	1,219,200	4,735,100
	North Peninsula	100	357,700	100	100	75,000	433,000
	Total	3,500	1,491,800	55,900	2,319,700	1,294,200	5,168,100
1948	S.Pen & Aleutian	1,200	285,900	39,200	1,683,700	1,139,600	3,149,600
	North Peninsula	1,200	477,600	17,200	0	161,700	658,700
	Total	3,400	763,500	56,400	1,683,700	1,301,300	3,808,300
1949	S.Pen & Aleutian	3,800	637,500	19,500	1,544,000	560,900	2,765,700
	North Peninsula	700	137,100	25,700	0	40,700	204,200
	Total	4,500	774,600	45,200	1,544,000	601,600	2,969,900
1950	S.Pen & Aleutian	4,000	1,745,300	70,700	1,613,700	562,500	3,996,200
	North Peninsula	1,100	127,800	37,800	0	217,600	284,300
	Total	5,100	1,873,100	108,500	1,613,700	780,100	4,380,500
1951	South Peninsula	1,500	264,200	55,700	2,844,800	683,100	3,849,300
	North Peninsula	1,200	358,900	32,900	20,400	203,000	616,400
	Aleutians	0	11,700	400	500	94,500	107,100
	Total	2700	634,800	89000	2865700	980,600	4,572,800
1952	South Peninsula	9,200	894,500	39,200	908,500	1,040,800	2,892,200
	North Peninsula	700	354,800	54,200	1,400	246,900	658,000
	Aleutian Islands	200	42,800	0	31,800	25,700	100,500
	Total	10,100	1,292,100	93,400	941,700	1,313,400	3,650,700
1953	South Peninsula	7,200	1,039,200	47,900	2,743,900	1,464,600	5,302,800
	North Peninsula	800	537,300	26,200	18,300	224,400	807,000
	Aleutian Islands	0	4,200	500	69,200	800	74,700
	Total	8,000	1,580,700	74,600	2,831,400	1,689,800	6,184,500

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1954	South Peninsula	4,200	636,300	49,400	2,033,300	1,413,400	4,136,600
	North Peninsula	3,400	354,700	35,000	18,500	405,000	816,600
	Aleutian Islands	0	6,300	800	566,500	200	573,800
	Total	7,600	997,300	85,200	2,618,300	1,818,600	5,527,000
1955	South Peninsula	5,400	550,100	44,800	2,529,200	688,200	3,817,700
	North Peninsula	4,100	586,600	6,200	900	129,600	727,400
	Aleutian Islands	0	12,600	100	31,100	400	44,200
	Total	9,500	1,149,300	51,100	2,561,200	818,200	4,589,300
1956	South Peninsula	4,800	641,400	61,900	2,740,700	1,618,700	5,067,500
	North Peninsula	4,200	1,370,900	8,200	28,500	427,400	1,839,200
	Aleutian Islands	0	400	0	33,900	0	34,300
	Total	9,000	2,012,700	70,100	2,803,100	2,046,100	6,941,000
1957	South Peninsula	5,800	341,900	49,900	913,100	1,281,400	2,592,100
	North Peninsula	1,000	327,900	18,300	3,300	274,900	625,400
	Aleutian Islands	2,300	27,300	100	500	13,900	44,100
	Total	9,100	697,100	68,300	916,900	1,570,200	3,261,600
1958	South Peninsula	800	186,100	70,600	1,385,200	841,000	2,483,700
	North Peninsula	15,000	473,800	57,100	60,400	254,800	861,100
	Aleutian Islands	0	300	0	613,200	3,700	617,200
	Total	15,800	660,200	127,700	2,058,800	1,099,500	3,962,000
1959	South Peninsula	900	217,500	8,500	915,600	711,700	1,854,200
	North Peninsula	28,700	634,900	59,100	9,600	404,700	1,137,000
	Aleutian Islands	0	6,100	0	12,000	100	18,200
	Total	29,600	858,500	67,600	937,200	1,116,500	3,009,400
1960	South Peninsula	1,700	379,000	1,800	1,197,500	904,400	2,484,400
	North Peninsula	10,400	692,800	44,000	34,700	607,200	1,389,100
	Aleutian Islands	0	7,600	0	444,900	300	452,800
	Total	12,100	1,079,400	45,800	1,677,100	1,511,900	4,326,300
1961	South Peninsula	900	456,800	10,400	1,727,800	748,600	2,944,500
	North Peninsula	6,100	387,700	24,600	3,000	153,300	574,700
	Aleutian Islands	0	2,700	0	94,000	200	96,900
	Total	7,000	847,200	35,000	1,824,800	902,100	3,616,100
1962	South Peninsula	3,300	420,000	12,500	1,965,500	824,800	3,226,100
	North Peninsula	5,400	249,700	35,200	31,200	34,900	356,400
	Aleutian Islands	0	5,500	100	2,001,700	1,200	2,008,500
	Total	8,700	675,200	47,800	3,998,400	860,900	5,591,000
1963	South Peninsula	1,900	204,400	16,500	2,367,700	461,300	3,051,800
	North Peninsula	3,600	225,200	40,500	6,900	49,900	326,100
	Aleutian Islands	0	4,500	0	93,900	300	98,700
	Total	5,500	434,100	57,000	2,468,500	511,500	3,476,600
1964	South Peninsula	2,000	370,800	13,600	2,740,400	751,000	3,877,800
	North Peninsula	3,600	250,800	36,600	6,800	139,000	436,800
	Aleutian Islands	0	200	0	194,100	2,300	196,600
	Total	5,600	621,800	50,200	2,941,300	892,300	4,511,200

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1965	South Peninsula	2,100	915,700	34,200	2,884,100	556,400	4,392,500
	North Peninsula	6,100	199,500	34,500	2,100	69,700	311,900
	Aleutian Islands	0	0	0	0	0	0
	Total	8,200	1,115,200	68,700	2,886,200	626,100	4,704,400
1966	South Peninsula	1,400	606,200	6,300	302,300	494,400	1,410,600
	North Peninsula	5,600	245,300	37,300	16,000	82,800	387,000
	Aleutian Islands	0	1,000	0	63,500	700	65,200
	Total	7,000	852,500	43,600	381,800	577,900	1,862,800
1967	South Peninsula	1,600	294,100	2,900	77,800	245,200	621,600
	North Peninsula	5,500	224,700	46,800	700	41,300	319,000
	Aleutians	0	200	0	7,900	0	8,100
	Total	7,100	519,000	49,700	86,400	286,500	948,700
1968	South Peninsula	1,400	699,800	31,100	1,287,100	325,300	2,344,700
	North Peninsula	4,500	237,100	64,900	200	73,500	380,200
	Aleutian Islands	0	2,000	100	902,800	800	905,700
	Total	5,900	938,900	96,100	2,190,100	399,600	3,630,600
1969	South Peninsula	1,900	912,800	10,900	1,219,400	389,200	2,534,200
	North Peninsula	4,800	321,300	49,100	100	28,100	403,400
	Aleutian Islands	0	1,900	0	242,200	1,500	245,600
	Total	6,700	1,236,000	60,000	1,461,700	418,800	3,183,200
1970	South Peninsula	1,806	1,779,525	32,571	1,737,985	993,349	4,545,236
	North Peninsula	3,829	187,793	26,327	7,904	47,989	273,842
	Aleutian Islands	6	208	135	644,121	3,029	647,499
	Total	5,644	1,967,526	59,033	2,390,010	1,044,367	5,466,580
1971	South Peninsula	2,174	716,087	16,907	1,445,031	1,365,957	3,546,156
	North Peninsula	2,187	353,784	8,222	297	64,154	428,644
	Aleutian Islands	0	333	2	45,114	58	45,507
	Total	4,361	1,070,204	25,131	1,490,442	1,430,169	4,020,307
1972	South Peninsula	1,332	557,422	8,021	78,221	731,814	1,376,810
	North Peninsula	1,790	179,325	9,684	129	84,687	275,615
	Aleutian Islands	0	69	1	2,784	6	2,860
	Total	3,122	736,816	17,706	81,134	816,507	1,655,285
1973	South Peninsula	415	330,091	6,599	58,051	292,943	688,099
	North Peninsula	2,569	165,388	19,776	143	152,773	340,649
	Aleutian Islands	0	0	0	2,042	0	2,042
	Total	3,042	495,481	26,375	60,236	445,716	1,030,850
1974	South Peninsula	581	197,153	9,366	100,601	71,826	379,527
	North Peninsula	2,710	246,209	16,799	10,599	34,417	310,734
	Aleutian Islands	0	0	0	0	0	0
	Total	3,301	443,362	26,165	111,200	106,243	690,271
1975	South Peninsula	117	243,548	67	60,642	130,750	435,124
	North Peninsula	2,093	233,293	28,349	295	8,770	272,800
	Aleutian Islands	0	19,402	0	659	1,881	21,942
	Total	2,210	496,243	28,422	61,596	141,401	729,872

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1976	South Peninsula	2,196	375,027	216	2,366,833	532,503	3,276,775
	North Peninsula	4,947	641,134	26,061	672	73,589	746,403
	<u>Aleutian Islands</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total	7,149	1,016,161	26,277	2,367,505	606,092	4,023,184
1977	South Peninsula	559	311,722	2,108	1,448,648	243,167	2,006,204
	North Peninsula	5,489	472,006	34,137	888	129,168	641,688
	<u>Aleutian Islands</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total	6,048	783,728	36,245	1,449,536	372,335	2,647,892
1978	South Peninsula	773	579,411	60,774	5,590,145	546,182	6,777,285
	North Peninsula	13,524	896,616	63,341	485,224	163,804	1,622,509
	<u>Aleutian Islands</u>	<u>0</u>	<u>1,829</u>	<u>0</u>	<u>38,109</u>	<u>6</u>	<u>39,944</u>
	Total	15,031	1,477,856	124,115	6,113,478	709,992	8,440,472
1979	South Peninsula	2,141	1,149,927	356,867	6,564,914	482,930	8,556,779
	North Peninsula	15,704	1,979,167	112,835	4,994	65,711	2,178,411
	<u>Aleutian Islands</u>	<u>0</u>	<u>12,206</u>	<u>0</u>	<u>539,393</u>	<u>242</u>	<u>551,841</u>
	Total	19,248	3,141,300	469,702	7,109,301	548,883	11,288,434
1980	South Peninsula	4,794	3,613,025	274,181	7,861,470	1,353,112	13,106,582
	North Peninsula	16,627	1,397,118	127,878	301,672	700,196	2,543,491
	<u>Aleutian Islands</u>	<u>2</u>	<u>9,226</u>	<u>2</u>	<u>2,597,461</u>	<u>4,874</u>	<u>2,611,565</u>
	Total	21,601	5,019,370	402,061	10,760,603	2,058,183	18,261,818
1981	South Peninsula	11,182	2,241,513	162,223	5,033,028	1,768,475	9,216,421
	North Peninsula	18,385	1,844,335	155,420	11,217	706,818	2,736,175
	<u>Aleutian Islands</u>	<u>16</u>	<u>5,430</u>	<u>188</u>	<u>302,786</u>	<u>6,553</u>	<u>314,973</u>
	Total	30,073	4,091,278	317,831	5,347,031	2,481,846	12,268,059
1982	South Peninsula	9,845	2,345,981	256,046	6,734,905	2,272,495	11,619,272
	North Peninsula	29,770	1,435,277	238,016	12,321	331,133	2,046,517
	<u>Aleutian Islands</u>	<u>0</u>	<u>2,672</u>	<u>28</u>	<u>1,447,818</u>	<u>6,148</u>	<u>1,456,666</u>
	Total	39,958	3,783,933	494,090	8,195,044	2,609,776	15,122,801
1983	South Peninsula	26,571	2,556,557	127,657	2,827,622	1,704,072	7,242,479
	North Peninsula	29,006	2,090,142	75,138	3,404	348,307	2,545,997
	<u>Aleutian Islands</u>	<u>0</u>	<u>4,405</u>	<u>0</u>	<u>2,005</u>	<u>11,361</u>	<u>17,771</u>
	Total	56,050	4,654,336	202,795	2,833,031	2,064,155	9,810,367
1984 ^b	South Peninsula	9,198	2,318,028	310,950	11,589,258	1,654,622	15,882,056
	North Peninsula	22,747	1,734,851	198,582	27,419	796,723	2,780,322
	<u>Aleutian Islands</u>	<u>26</u>	<u>67,163</u>	<u>1,923</u>	<u>2,309,665</u>	<u>32,025</u>	<u>2,410,802</u>
	Total	32,190	4,120,047	511,455	13,926,342	2,483,375	21,073,409
1985	South Peninsula	6,642	2,144,416	172,514	4,431,016	1,348,726	8,103,314
	North Peninsula	23,403	2,596,073	176,118	3,054	666,616	3,465,264
	<u>Aleutian Islands</u>	<u>40</u>	<u>2,750</u>	<u>0</u>	<u>90</u>	<u>14,175</u>	<u>17,055</u>
	Total	30,210	4,743,247	348,632	4,434,160	2,029,532	11,585,781
1986	South Peninsula	5,589	1,223,089	235,854	4,031,487	1,749,651	7,245,670
	North Peninsula	11,735	2,463,734	164,071	22,630	271,216	2,933,386
	<u>Aleutian Islands</u>	<u>11</u>	<u>7,702</u>	<u>60</u>	<u>42,621</u>	<u>38,819</u>	<u>89,213</u>
	Total	17,340	3,694,526	399,985	4,096,738	2,059,686	10,268,275

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1987	South Peninsula	9,174	1,449,753	225,120	1,208,556	1,375,887	4,268,490
	North Peninsula	14,186	1,209,435	171,784	3,486	368,696	1,767,587
	Aleutian Islands	0	75	0	0	0	75
	Total	23,360	2,659,263	396,904	1,212,042	1,744,583	6,036,152
1988	South Peninsula	11,075	1,473,651	505,533	7,044,824	1,908,507	10,943,590
	North Peninsula	16,721	1,528,107	233,966	65,242	393,075	2,237,111
	Aleutian Islands	0	4,315	7	183,109	450	187,881
	Total	27,880	3,006,082	739,506	7,293,175	2,302,034	13,368,677
1989	South Peninsula	7,009	2,659,101	441,397	7,289,130	993,492	11,390,129
	North Peninsula	10,698	1,718,001	227,551	4,103	156,992	2,117,345
	Aleutian Islands	0	8,248	0	6,700	0	14,948
	Total	18,013	4,387,764	671,394	7,303,461	1,151,408	13,532,040
1990	South Peninsula	16,497	2,385,560	305,510	2,861,283	1,234,679	6,803,529
	North Peninsula	12,320	2,416,047	192,978	517,724	126,113	3,265,182
	Aleutian Islands	2	12,435	74	282,823	1,038	296,372
	Total	28,844	4,815,326	500,270	3,666,403	1,364,977	10,375,820
1991	South Peninsula	7,510	2,304,531	313,223	10,596,596	1,573,773	14,795,633
	North Peninsula	9,359	2,931,406	218,274	4,249	191,278	2,814,566
	Aleutian Islands	0	796	0	0	0	796
	Total	17,347	4,712,149	535,403	10,621,005	1,780,078	17,665,982
1992	South Peninsula	7,933	3,438,875	414,948	9,759,657	1,310,337	14,931,750
	North Peninsula	13,136	3,575,507	206,813	194,395	341,616	4,331,467
	Aleutian Islands	0	3,082	0	312,072	1,230	316,384
	Atka-Amlia	0	231	42	7,972	308	8,553
Total	21,069	7,017,695	621,803	10,274,096	1,653,491	19,588,154	
1993	South Peninsula	14,083	3,682,604	215,256	9,925,123	1,046,407	14,883,473
	North Peninsula	22,417	3,866,479	64,376	5,328	134,957	4,093,557
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	24	4	145	563	736
Total	36,500	7,549,107	279,636	9,930,596	1,181,927	18,977,766	
1994	South Peninsula	9,474	2,091,009	251,686	9,143,703	2,178,910	13,674,782
	North Peninsula	18,508	1,783,156	241,913	226,315	83,897	3,353,789
	Aleutian Islands	0	47	6	858,787	617	859,457
	Atka-Amlia	0	16	0	896	0	912
Total	27,982	3,874,228	493,605	10,229,701	2,263,424	17,888,940	
1995	South Peninsula	17,078	2,996,353	260,686	16,302,593	1,715,067	21,291,777
	North Peninsula	7,540	3,272,748	135,639	12,171	99,293	3,527,391
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
Total	24,618	6,269,101	396,325	16,314,764	1,814,360	24,819,168	
1996	South Peninsula	5,071	1,528,587	278,191	2,187,239	775,057	4,774,145
	North Peninsula	4,941	1,911,126	157,313	53,842	67,956	2,195,178
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	20	0	20
Total	10,012	3,439,713	435,504	2,241,101	843,013	6,969,343	

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
1997	South Peninsula	7,163	2,258,189	112,432	2,303,926	606,254	5,287,964
	North Peninsula	10,352	2,151,010	94,776	50,701	97,380	2,404,219
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	17,515	4,409,199	207,208	2,354,627	703,634	7,692,183
1998	South Peninsula	4,796	2,170,803	154,170	8,040,681	711,526	11,081,976
	North Peninsula	5,288	1,087,552	134,724	34,810	69,516	1,332,530
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	10,084	3,258,355	288,894	8,075,491	781,042	12,414,506
1999	South Peninsula	4,815	2,948,267	192,485	8,443,343	816,966	12,405,876
	North Peninsula	4,886	1,783,804	53,907	4,367	50,120	1,897,084
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	9,701	4,732,071	246,392	8,447,710	867,086	14,302,960
2000	South Peninsula	5,104	1,984,576	257,146	3,549,545	1,055,316	6,851,687
	North Peninsula	3,904	1,968,882	83,655	34,373	93,696	2,184,510
	Aleutian Islands	1	0	59	256,050	0	256,110
	Atka-Amlia	0	0	0	0	0	0
	Total	9,009	3,953,458	340,860	3,839,968	1,149,012	9,292,307
2001	South Peninsula	2,302	607,756	210,899	4,012,057	921,986	5,755,000
	North Peninsula	4,412	1,147,030	22,162	12,469	174,523	1,360,596
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	6,714	1,754,786	233,061	4,024,526	1,096,509	7,115,596
2002	South Peninsula	6,399	1,035,232	202,717	2,170,376	819,030	4,233,754
	North Peninsula	3,852	1,415,872	28,751	21,461	51,040	1,520,976
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	10,251	2,451,104	231,468	2,191,837	870,070	5,754,730
2003	South Peninsula	2,712	1,054,208	131,097	4,258,274	637,305	6,083,596
	North Peninsula	4,545	1,477,391	53,137	18,624	38,755	1,592,452
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	7,257	2,531,599	184,234	4,276,898	676,060	7,676,048
2004	South Peninsula	7,050	2,199,944	235,600	6,665,831	790,109	9,898,534
	North Peninsula	10,402	2,433,778	33,920	15,828	14,958	2,508,886
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	17,452	4,633,722	269,520	6,681,659	805,067	12,407,420
2005	South Peninsula	4,487	2,337,097	143,617	9,416,197	739,460	12,640,858
	North Peninsula	9,198	3,115,807	71,192	3,830	42,539	3,242,566
	Aleutian Islands	0	0	0	0	0	0
	Atka-Amlia	0	0	0	0	0	0
	Total	13,685	5,452,904	214,809	9,420,027	781,999	15,883,424

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Year		Chinook	Sockeye	Coho	Pink	Chum	Total ^a
2006	South Peninsula	5,412	1,850,029	169,620	4,261,824	1,177,806	7,464,691
	North Peninsula	7,633	2,375,158	93,955	64,207	131,718	2,672,671
	Aleutian Islands	0	2,329	0	991,687	1,534	995,550
	Atka- Amlia	0	0	0	0	0	0
	Total	13,045	4,227,516	263,575	5,317,718	1,311,058	11,132,912
2007	South Peninsula	5,312	2,438,672	150,955	7,299,330	679,787	10,574,056
	North Peninsula	7,609	3,408,818	69,010	137,882	181,009	3,804,328
	Aleutian Islands	0	0	0	1,017,164	0	1,017,164
	Atka- Amlia	0	0	0	0	0	0
	Total	12,921	5,847,490	219,965	8,454,376	860,796	15,395,548
1997-2006 Average	South Peninsula	5,024	1,844,610	180,978	5,312,205	827,576	8,170,394
	North Peninsula	6,447	1,895,628	67,018	26,067	76,425	2,071,649
	Aleutian Islands	0	233	6	124,774	153	125,166
	Atka-Amlia	0	0	0	0	0	0
	Total	11,471	3,740,471	248,002	5,463,046	904,154	10,367,145

^aDoes not include test fish catches.

^bOn June 18, 1984 fishermen harvested 23 chinook, 63,929 sockeye, 1,900 coho, 18,950 pink, and 8,409 chum salmon in Unimak Pass. Unimak Pass was defined as closed to commercial salmon fishing under the Alaska Peninsula portion of the finfish regulations but open to commercial salmon fishing under the Aleutian Islands portion of the finfish regulation book. After 1984, regulations were passed by the Alaska Board of Fisheries closing the Unimak Pass area to commercial salmon fishing until at least July 10.

Appendix B2.—Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Management Areas commercial salmon harvest in numbers of fish by statistical area, section, and district, 2007.

Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
<i>SOUTH PENINSULA</i>							
<i>SOUTHEASTERN DISTRICT</i>							
281-15	Kupreanof Point	1	2,965	267	34,926	936	39,095
281-25	Stepovak Bay	6	83,500	7,334	351,968	21,001	463,809
	East Stepovak Section Total	7	86,465	7,601	386,894	21,937	502,904
281-30	Stepovak Flats Section	0	0	0	0	0	0
281-40	Grub Gulch/Clark Bay	0	1,560	205	23,226	1,282	26,273
281-50	Orzinski Bay	0	0	0	0	0	0
281-55	American Bay	0	78	142	16,680	59	16,959
281-62	Chichagof Bay	0	73	17	27,147	45	27,282
281-65	Suzy Creek	0	0	0	0	0	0
281-67	Dorenoi Bay	0	0	0	0	0	0
	Northwest Stepovak Section Total	0	1,711	364	67,053	1,386	70,514
281-70	Southwest Stepovak Section	6	26,121	1,983	158,689	5,798	192,597
281-80	Balboa Bay Section	5	52,211	3,845	635,784	11,287	703,132
281-90	Beaver Bay Section	0	790	92	110,116	241	111,239
282-10	Popof Strait/Squaw Harbor	104	48,208	1,309	48,796	9,598	108,015
282-11	Unga Cape/East Popof	3,588	865,431	74,501	1,350,075	215,590	2,509,185
282-20	Archeredin Bay	13	40,674	1,844	110,056	6,367	158,954
282-25	West Unga Island	36	85,760	8,239	547,356	33,951	675,342
282-30	Outer Zachary Bay	5	14,350	312	14,464	1,394	30,525
282-32	Middle Zachary Bay	1	639	151	11,390	7,895	20,076

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Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
282-35	Inner Zachary Bay	3	1,232	155	10,908	456	12,754
282-40	East Head/West Head	7	5,920	463	1,749	460	8,599
282-42	Korovin Island	408	105,179	8,642	67,741	22,905	204,875
282-45	Northeast Bight	0	1,682	49	25,741	317	27,789
282-50	Koniuji Island	10	260	21	45	8	344
282-65	Southeast Nagai Island	38	38,921	1,438	93,234	6,215	139,846
282-70	Southwest Nagai Island	37	33,354	2,906	39,176	5,625	81,098
282-75	Cape Horn/Porpoise Rocks	12	9,681	162	10,173	441	20,469
282-80	East Nagai Strait	2	1,594	343	27,346	577	29,862
	Shumagin Islands Section Total	4,264	1,252,885	100,535	2,358,250	311,799	4,027,733
SOUTHEASTERN DISTRICT TOTAL		4,282	1,420,183	114,420	3,716,786	352,448	5,608,119
SOUTH CENTRAL DISTRICT							
283-15	Mino Creek - McGinty Point	2	11,276	6	68,214	3,143	82,641
283-17	Coal Bay - South Cape Tolstoi	5	21,202	439	328,530	1,984	352,160
	Mino Cr. - Little Coal B. Section Total	7	32,478	445	396,744	5,127	434,801
283-20	Southside Cape Tolstoi	0	0	0	0	0	0
283-21	Northside Cape Tolstoi	3	4,385	2	48,126	211	52,727
283-23	Eastside Pavlof Bay	6	37,343	215	547,253	3,674	588,491
	East Pavlof Bay Section Total	9	41,728	217	595,379	3,885	641,218
283-24	Canoe Bay Section	0	218	6	79,297	24,709	104,230
283-25	Northwest Pavlof Bay	28	8,343	6	22,963	999	32,339
283-26	Long Beach/Ukolnoi	86	61,433	3,884	363,917	7,791	437,111
	West Pavlof Bay Section Total	114	69,776	3,890	386,880	8,790	469,450
SOUTH CENTRAL DISTRICT TOTAL		130	144,200	4,558	1,458,300	42,511	1,649,699

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Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
<i>SOUTHWESTERN DISTRICT</i>							
284-36	Volcano Bay	0	2,450	637	480,021	40,007	523,115
284-37	Northside Dolgoi Island	32	90,542	3,377	218,595	5,574	318,120
284-38	South Dolgoi/Moss Cape	18	48,226	2,645	40,900	2,287	94,076
284-39	Poperechnoi Island	22	22,288	986	17,275	1,408	41,979
	Volcano Bay Section Total	72	163,506	7,645	756,791	49,276	977,290
284-42	Belkofski Bay Section	5	5,961	299	662,161	40,532	708,958
284-45	King Cove	1	3,420	10	47,961	2,639	54,031
284-47	South of Deer Island Section	0	560	0	0	12	572
284-70	South of Cold Bay Section	0	407	0	6,897	170	7,474
	General Section Total	1	4,387	10	54,858	2,821	62,077
284-55	Deer Island Section	1	5,602	8	151,921	552	158,084
284-62	Outer Cold Bay	0	7,568	288	17,876	721	26,453
284-65	Lenard Harbor	0	425	82	203,622	9,513	213,642
284-67	Inner Cold Bay	0	1,890	99	4,002	10,025	16,016
	Cold Bay Section Total	0	9,883	469	225,500	20,259	256,111
284-75	Thin Point Section	0	5,602	810	96,372	7,662	110,446
284-80	Morzhovoi Bay Section	0	1	3	9,972	2,081	12,057
284-90	Ikatan Bay Section	448	193,961	21,299	126,062	47,626	389,396
<i>SOUTHWESTERN DISTRICT TOTAL</i>		527	388,903	30,543	2,083,637	170,809	2,674,419

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Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
285-10	Sanak Island Section	0	1,115	0	1	118	1,234
285-20	Bird Island	205	285,545	445	6,625	55,845	348,665
285-30	Cape Lazaref	127	184,620	989	24,299	51,052	261,087
	Otter Cove Section Total	332	470,165	1,434	30,924	106,897	609,752
285-40	Cape Lutke Section	41	14,106	0	9,682	7,004	30,833
UNIMAK DISTRICT TOTAL		373	485,386	1,434	40,607	114,019	641,819
SOUTH PENINSULA TOTAL		5,312	2,438,672	150,955	7,299,330	679,787	10,574,056

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NORTH PENINSULA

NORTHWESTERN DISTRICT

311-20	Dublin Bay Section	0	0	0	0	0	0
311-32	Urilia Bay Section	0	21,932	0	1	18	21,951
311-52	Swanson Lagoon Section	0	4,795	10	1,345	5,457	11,607
311-60	Bechevin Bay Section	0	130	3	130,958	22,221	153,312
311-58	Cape Kreitzen to Cape Glazenap	0	11,073	142	3,435	3,600	18,250
312-10	Cape Glazenap to Moffet Point	0	1,608	0	58	4,016	5,682
312-20	Izembek Lagoon	0	1,166	0	39	10,156	11,361
312-40	Moffet Bay	0	8,689	0	1,181	50,538	60,408
	Izembek-Moffet Bay Section Total	0	22,536	142	4,713	68,310	95,701
NORTHWESTERN DISTRICT TOTAL		0	49,393	155	137,017	96,006	282,571

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Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
<i>NORTHERN DISTRICT</i>							
313-10	Black Hills Section	0	4,273	71	46	1,060	5,450
313-30	Nelson Lagoon Section	1,372	337,556	47,647	332	8,123	395,030
314-12	Port Moller Bight Section	0	206	41	0	0	247
314-20	Herendeen Bay	0	0	0	0	0	0
314-30	Moller Bay	0	0	0	0	0	0
	Herendeen-Moller Bay Section Total	0	0	0	0	0	0
315-11	Bear River	296	399,106	6,868	188	21,522	427,980
315-20	Muddy River	36	218,296	2,208	42	7,986	228,568
	Bear River Section Total	332	617,402	9,076	230	29,508	656,548
316-10	Three Hills Section	16	234,930	4,111	106	4,094	243,257
316-20	Outside Ilnik	3,017	1,029,873	4,853	134	19,824	1,057,701
316-22	Ilnik Lagoon	-	-	-	0	-	0
316-25	Strogonof Point	1,902	746,557	2,428	17	14,834	765,738
	Ilnik Section Total	4,919	1,776,430	7,281	151	34,658	1,823,439
317-10	Outer Port Heiden Section	970	387,786	628	0	7,560	396,944
317-20	Inner Port Heiden Section	0	842	0	0	0	842
318-20	Cinder River Section	0	0	0	0	0	0
<i>NORTHERN DISTRICT TOTAL</i>		<i>7,609</i>	<i>3,359,425</i>	<i>68,855</i>	<i>865</i>	<i>85,003</i>	<i>3,521,757</i>
<i>NORTH PENINSULA TOTAL</i>		<i>7,609</i>	<i>3,408,818</i>	<i>69,010</i>	<i>137,882</i>	<i>181,009</i>	<i>3,804,328</i>

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Statistical Area	Section	Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
<i>UNALASKA DISTRICT-ALEUTIAN ISLANDS</i>							
302-31	Unalaska Bay	0	0	0	458,818	0	458,818
302-35	Outside Unalaska Bay	0	0	0	38,772	0	38,772
	Unalaska Bay Section Total	0	0	0	497,590	0	497,590
302-40	Makushin Bay Section	0	0	0	519,574	0	519,574
<i>ALEUTIAN ISLANDS TOTAL</i>		0	0	0	1,017,164	0	1,017,164
<hr/>							
ALASKA PENINSULA AND ALEUTIAN ISLANDS AREAS TOTAL		12,921	5,847,490	219,965	8,454,376	860,796	15,395,548

^a Numbers include fish harvested with commercial gear for personal use and ADF&G test fisheries.

Appendix B3.—Alaska Peninsula and Aleutian Islands Areas commercial salmon harvest by gear and species, in numbers and percent, 2007.

	Chinook		Sockeye		Coho		Pink		Chum		Total	
	Number of fish	Percent of Total	Number of fish	Percent of Total	Number of fish	Percent of Total	Number of fish	Percent of Total	Number of fish	Percent of Total	Number of fish	Percent of Total
Area M												
Seine	4,058	31.4	1,330,162	22.7	122,169	55.5	7,876,571	93.2	588,930	68.4	9,921,890	64.4
Drift Gillnet	7,365	57.0	3,711,269	63.5	40,640	18.5	23,118	0.3	200,345	23.3	3,982,737	25.9
Set Gillnet	1,498	11.6	806,059	13.8	57,156	26.0	554,687	6.6	71,521	8.3	1,490,921	9.7
Total	12,921	100.0	5,847,490	100.0	219,965	100.0	8,454,376	100.0	860,796	100.0	15,395,548	100.0
Area T												
Drift Gillnet	0		0		0		0		0		0	
Set Gillnet	0		0		0		0		0		0	
Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Grand Total												
Seine	4,058	31.4	1,330,162	22.7	122,169	55.5	7,876,571	93.2	588,930	68.4	9,921,890	64.4
Drift Gillnet	7,365	57.0	3,711,269	63.5	40,640	18.5	23,118	0.3	200,345	23.3	3,982,737	25.9
Set Gillnet	1,498	11.6	806,059	13.8	57,156	26.0	554,687	6.6	71,521	8.3	1,490,921	9.7
Total	12,921	100.0	5,847,490	100.0	219,965	100.0	8,454,376	100.0	860,796	100.0	15,395,548	100.0

Note: values do not include test fish catches.

Appendix B4.—Alaska Peninsula Area salmon test fish catches, 1989-2007.

Year		Number of Salmon ^a					Total
		Chinook	Sockeye	Coho	Pink	Chum	
1989	Shumagin Islands	56	1,699	2,446	3,528	739	8,468
	Total South Peninsula	56	1,699	2,446	0	739	4,940
	North Peninsula	6	638	0	0	97	741
	Alaska Peninsula Total	62	2,337	2,446	3,528	836	9,209
1990	Shumagin Islands	25	1,284	1,708	4,573	3,147	10,737
	Total South Peninsula	25	1,284	1,708	4,573	3,147	10,737
	Alaska Peninsula Total	25	1,284	1,708	4,573	3,147	10,737
1991	Shumagin Islands	465	15,034	3,906	20,160	14,716	54,281
	South Unimak	0	377	0	0	306	683
	Total South Peninsula	465	15,411	3,906	20,160	15,022	54,964
	Alaska Peninsula Total	465	15,411	3,906	20,160	15,022	54,964
1992	Shumagin Islands	93	7,039	3,284	10,729	6,372	27,517
	Total South Peninsula	93	7,039	3,284	10,729	6,372	27,517
	Alaska Peninsula Total	93	7,039	3,284	10,729	6,372	27,517
1993	Shumagin Islands	330	6,470	4,892	2,984	1,850	16,526
	Total South Peninsula	330	6,470	4,892	2,984	1,850	16,526
	Alaska Peninsula Total	330	6,470	4,892	2,984	1,850	16,526
1994	Shumagin Islands	528	16,224	4,219	36,150	13,169	70,290
	Total South Peninsula	528	16,224	4,219	36,150	13,169	70,290
	Alaska Peninsula Total	528	16,224	4,219	36,150	13,169	70,290
1995	Shumagin Islands	290	13,410	3,660	9,072	10,005	36,437
	South Unimak	101	7,239	1	105	2,941	10,387
	Total South Peninsula	391	20,649	3,661	9,177	12,946	46,824
	Alaska Peninsula Total	391	20,649	3,661	9,177	12,946	46,824
1996	Shumagin Islands	375	9,049	15,183	15,261	14,372	54,240
	South Unimak	80	6,055	0	2,594	4,250	12,979
	Total South Peninsula	455	15,104	15,183	17,855	18,622	67,219
	Alaska Peninsula Total	455	15,104	15,183	17,855	18,622	67,219
1997	Shumagin Islands	429	11,226	3,594	8,158	10,407	33,814
	South Unimak	188	11,224	3	3,976	10,682	26,073
	Total South Peninsula	617	22,450	3,597	12,134	21,089	59,887
	Alaska Peninsula Total	617	22,450	3,597	12,134	21,089	59,887
1998	Shumagin Islands	28	4,581	24	2,093	3,257	9,983
	South Unimak	95	8,392	0	5,224	6,285	19,996
	Total South Peninsula	123	12,973	24	7,317	9,542	29,979
	Alaska Peninsula Total	123	12,973	24	7,317	9,542	29,979
1999	Shumagin Islands	119	33,513	18	13,045	19,808	66,503
	South Unimak	140	10,039	0	61	3,256	13,496
	Total South Peninsula	259	43,552	18	13,106	23,064	79,999
	Alaska Peninsula Total	259	43,552	18	13,106	23,064	79,999

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Year	Number of Salmon ^a						
	Chinook	Sockeye	Coho	Pink	Chum	Total	
2000	Shumagin Islands	65	9,225	99	5,385	5,790	20,564
	South Unimak	276	12,686	0	7,936	5,547	26,445
	Total South Peninsula	341	21,911	99	13,321	11,337	47,009
	North Peninsula	0	1,482	1	2	4	1,489
	Alaska Peninsula Total	341	23,393	100	13,323	11,341	48,498
2001	Shumagin Islands	318	6,258	3,353	9,382	10,772	30,083
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	318	6,258	3,353	9,382	10,772	30,083
	North Peninsula	13	4,363	2	10	62	4,450
	Alaska Peninsula Total	331	10,621	3,355	9,392	10,834	34,533
2002	Shumagin Islands	29	1,020	11	443	1,227	2,730
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	29	1,020	11	443	1,227	2,730
	North Peninsula	0	6,021	14	41	169	6,245
	Alaska Peninsula Total	29	7,041	25	484	1,396	8,975
2003	Shumagin Islands	26	819	1,279	4,646	2,275	9,045
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	26	819	1,279	4,646	2,275	9,045
	North Peninsula	1	5,785	10	99	178	6,073
	Alaska Peninsula Total	27	6,604	1,289	4,745	2,453	15,118
2004	Shumagin Islands	81	507	542	1,131	1,827	4,088
	South Unimak	0	5,845	0	14,485	2,724	23,054
	Total South Peninsula	81	6,352	542	15,616	4,551	27,142
	North Peninsula	0	3,874	35	108	87	4,104
	Alaska Peninsula Total	81	10,226	577	15,724	4,638	31,246
2005	Shumagin Islands	67	1,197	2,137	7,117	2,140	12,658
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	67	1,197	2,137	7,117	2,140	12,658
	North Peninsula	0	2,291	2	11	36	2,340
	Alaska Peninsula Total	67	3,488	2,139	7,128	2,176	14,998
2006	Shumagin Islands	21	1,211	440	2,254	7,855	11,781
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	21	1,211	440	2,254	7,855	11,781
	North Peninsula	20	2,232	2	0	89	2,343
	Alaska Peninsula Total	41	3,443	442	2,254	7,944	14,124
2007	Shumagin Islands	12	11,389	781	7,036	1,300	20,518
	South Unimak	0	0	0	0	0	0
	Total South Peninsula	12	11,389	781	7,036	1,300	20,518
	North Peninsula	0	1,664	5	0	13	1,682
	Alaska Peninsula Total	12	13,053	786	7,036	1,313	22,200

^a Number of adult salmon.

APPENDIX C: SUBSISTENCE HARVEST DATA

Appendix C1.—Estimated subsistence salmon harvest by community and species, in number of fish, Alaska Peninsula Management Area and Unalaska Island, 1985-2007.

Year	Permits Issued	Estimated Harvest					Total
		Chinook	Sockeye	Coho	Pink	Chum	
Sand Point Local Residents							
1985	60	30	1,410	1,686	420	1,146	4,692
1986	75	45	2,505	1,208	1,560	1,005	6,323
1987	84	87	2,018	1,508	1,160	1,114	5,887
1988	74	146	2,694	853	1,326	1,175	6,194
1989	86	53	6,347	1,050	731	1,149	9,330
1990	80	160	5,648	620	429	1,051	7,908
1991	84	420	6,636	1,092	1,260	2,772	12,180
1992	76	318	4,733	518	1,228	1,036	7,833
1993	76	446	6,435	952	671	996	9,500
1994	92	454	5,838	1,890	1,369	3,100	12,651
1995	73	271	5,993	983	1,597	1,274	10,118
1996	80	200	5,269	1,813	1,843	1,724	10,849
1997	67	315	7,043	788	1,953	1,663	11,762
1998	59	224	4,383	1,040	920	868	7,435
1999	52	254	4,907	442	898	1,053	7,554
2000	61	184	4,488	704	734	979	7,089
2001	61	191	4,653	880	827	1,500	8,051
2002	29	76	1,679	319	416	994	3,484
2003	30	175	2,093	250	505	1,123	4,146
2004	22	94	1,832	148	352	314	2,740
2005	36	67	2,734	599	448	317	4,165
2006	29	61	1,846	170	558	326	2,961
2007	35	60	2,454	200	455	169	3,338
2002-2006 Average	29	95	2,037	297	456	615	3,499

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Year	Permits Issued	Estimated Harvest					Total
		Chinook	Sockeye	Coho	Pink	Chum	
King Cove Local Residents							
1985	39	0	784	3,292	105	20	4,201
1986	24	2	1,834	919	14	120	2,889
1987	39	3	2,320	1,662	206	334	4,525
1988	28	3	555	2,855	265	43	3,721
1989	39	3	1,982	1,973	294	690	4,942
1990	43	24	1,054	2,832	265	367	4,542
1991	60	0	1,477	3,611	225	386	5,699
1992	61	9	1,452	2,891	327	1,177	5,856
1993	59	33	2,021	3,868	259	625	6,865
1994	48	43	2,249	3,247	370	679	6,588
1995	66	46	3,300	3,080	534	1,177	8,137
1996	65	47	4,236	4,354	578	690	9,905
1997	58	29	3,048	3,226	283	691	7,277
1998	54	4	1,795	3,995	620	44	6,458
1999	50	18	3,465	2,471	265	720	6,939
2000	51	13	2,344	3,545	193	365	6,460
2001	52	25	3,982	2,650	130	273	7,060
2002	61	32	4,509	2,529	77	396	7,543
2003	68	22	5,220	3,179	149	649	9,219
2004	61	19	4,697	2,877	186	410	8,189
2005	62	44	5,388	2,511	133	161	8,237
2006	53	16	4,034	2,183	405	516	7,154
2007	52	1	3,088	2,203	162	264	5,718
2002-2006 Average	61	27	4,770	2,656	190	426	8,068

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Year	Permits Issued	Estimated Harvest					Total
		Chinook	Sockeye	Coho	Pink	Chum	
Cold Bay Local Residents							
1985	10	0	293	84	34	3	414
1986	18	0	184	264	14	26	488
1987	10	0	293	84	34	3	414
1988	24	0	737	66	2	0	805
1989	18	0	231	55	4	22	312
1991	23	0	517	30	6	4	557
1992	15	0	336	38	0	0	374
1993	23	0	473	89	3	15	580
1994	16	0	325	88	4	3	420
1995	17	0	307	84	0	10	401
1996	15	15	280	0	0	6	301
1997	12	12	657	0	4	3	676
1998	17	8	433	19	8	4	472
1999	14	0	237	1	0	13	251
2000	16	0	553	50	1	26	630
2001	14	0	512	30	0	0	542
2002	20	0	493	0	0	7	500
2003	19	0	594	0	2	18	614
2004	23	5	679	35	0	23	742
2005	31	2	532	212	2	6	754
2006	31	0	558	31	8	31	628
2007	29	0	661	167	0	3	831
2002-2006 Average	25	1	571	56	2	17	648

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Year	Permits Issued	Estimated Harvest					
		Chinook	Sockeye	Coho	Pink	Chum	Total
False Pass Local Residents							
1985	10	30	578	1,858	13	395	2,874
1986	12	13	158	215	188	299	873
1987	12	14	103	443	163	389	1,112
1988	10	11	401	834	29	192	1,467
1989	7	0	231	55	4	22	312
1990	9	1	170	193	19	79	462
1991	17	17	724	500	354	165	1,760
1992	12	12	1,082	502	242	248	2,086
1993	14	23	848	397	156	272	1,696
1994	14	36	906	318	347	354	1,961
1995	15	27	888	179	252	426	1,772
1996	15	23	605	1,028	128	248	2,032
1997	7	8	584	315	153	214	1,274
1998	7	14	586	58	208	245	1,111
1999	7	26	564	902	81	148	1,721
2000	6	0	186	960	20	104	1,270
2001	5	10	242	163	118	104	637
2002	13	31	662	269	20	78	1,060
2003	18	6	1,472	589	216	261	2,544
2004	8	6	446	424	65	32	973
2005	6	0	795	375	0	0	1,170
2006	5	3	188	163	143	120	617
2007	3	0	0	180	0	0	180
2002-2006 Average	10	9	713	364	89	98	1,273

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Year	Permits Issued	Estimated Harvest					Total
		Chinook	Sockeye	Coho	Pink	Chum	
Nelson Lagoon and Port Moller Local Residents							
1985	9	5	207	252	2	0	466
1986	9	13	284	302	3	5	607
1987	10	22	245	254	5	14	540
1988	13	26	284	184	0	25	519
1989	9	21	250	227	0	11	509
1990	8	11	291	224	0	0	526
1991	8	20	370	139	1	4	534
1992	9	17	298	191	7	12	525
1993	11	16	561	230	9	26	842
1994	11	71	336	241	6	0	654
1995	10	63	450	429	0	0	942
1996	8	45	465	329	0	11	850
1997	8	16	287	147	5	36	491
1998	13	3	473	295	14	14	799
1999	10	4	389	58	4	0	455
2000	7	10	507	85	0	0	602
2001	6	22	392	46	0	6	466
2002	3	5	140	71	0	0	216
2003	3	3	118	90	0	0	211
2004	4	7	105	140	0	0	252
2005	7	2	257	58	0	0	317
2006	7	8	579	3	0	0	590
2007	6	0	508	0	0	0	508
2002-2006 Average	5	5	240	72	0	0	317

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Year	Permits Issued	Estimated Harvest					Total
		Chinook	Sockeye	Coho	Pink	Chum	
Port Heiden Local Residents							
1985	6	9	176	0	0	0	185
1986	4	28	282	0	0	0	310
1987	10	66	193	229	0	36	524
1988	10	69	268	134	23	105	599
1989	4	7	222	28	1	4	262
1990	3	21	107	20	0	27	175
1991	6	39	375	25	3	120	562
1992	3	21	104	10	0	25	160
1993	3	80	71	0	0	0	151
1994	2	24	196	0	0	50	270
1995	3	50	119	160	0	0	329
1996	4	22	221	51	0	1	295
1997	4	2	24	40	0	0	66
1998	3	26	100	100	0	0	226
1999	3	25	245	60	0	0	330
2000	3	6	0	21	0	0	27
2001	3	64	132	50	0	10	256
2002	3	120	34	50	0	6	210
2003	3	101	7	40	0	6	154
2004	3	60	80	0	0	0	140
2005	3	0	375	0	0	0	375
2006	2	0	0	30	0	0	30
2007	0	0	0	0	0	0	0
2002-2006 Average	3	56	99	24	0	2	182

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Year	Permits Issued	Estimated Harvest					
		Chinook	Sockeye	Coho	Pink	Chum	Total
Alaska Peninsula Local Community Residents Total							
1985	134	74	3,448	7,172	574	1,564	12,832
1986	142	101	5,247	2,908	1,779	1,455	11,490
1987	185	192	5,499	4,251	1,547	1,941	13,430
1988	159	255	4,939	4,926	1,645	1,540	13,305
1989	163	88	9,368	3,433	1,205	1,923	16,017
1990	166	217	7,592	3,959	714	1,546	14,028
1991	198	457	9,998	5,413	1,820	3,372	21,060
1992	176	377	8,005	4,150	1,804	2,498	16,834
1993	186	598	10,409	5,536	1,098	1,934	19,575
1994	183	628	9,850	5,784	2,096	4,186	22,544
1995	184	457	11,057	4,915	2,383	2,887	21,699
1996	187	352	11,076	7,575	2,549	2,680	24,232
1997	156	382	11,643	4,516	2,398	2,607	21,546
1998	153	279	7,770	5,507	1,770	1,175	16,501
1999	136	327	9,807	3,934	1,248	1,934	17,250
2000	144	213	8,078	5,365	948	1,474	16,078
2001	141	312	9,913	3,819	1,075	1,893	17,012
2002	129	264	7,517	3,238	513	1,481	13,013
2003	141	307	9,504	4,148	872	2,057	16,888
2004	121	191	7,839	3,624	603	779	13,036
2005	145	121	10,189	3,720	598	498	15,126
2006	127	88	7,205	2,580	1,114	993	11,980
2007	125	61	6,711	2,750	617	436	10,575
2002-2006 Average	133	194	8,451	3,462	740	1,162	14,009

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Year	Permits Issued	Estimated Harvest					Total
		Chinook	Sockeye	Coho	Pink	Chum	
Alaska State Residents Not Local To The Alaska Peninsula							
1985	27	0	589	332	0	2	923
1986	5	0	149	88	0	0	237
1987	6	1	278	8	0	2	289
1988	24	2	562	720	21	152	1,457
1989	25	0	1,036	72	8	181	1,297
1990	35	29	996	70	22	43	1,160
1991	51	1	1,347	138	58	179	1,723
1992	53	8	2,734	117	36	76	2,971
1993	76	17	2,069	217	91	63	2,457
1995	76	35	1,659	106	270	482	2,552
1996	47	10	1,100	168	20	48	1,346
1997	61	38	3,581	96	557	278	4,550
1998	80	128	5,150	313	516	151	6,258
1999	50	39	5,157	50	192	101	5,539
2000	34	19	1,846	69	36	84	2,054
2001	44	27	1,854	386	132	103	2,502
2002	27	62	2,036	70	42	112	2,322
2003	24	13	684	29	357	146	1,229
2004	25	14	1,064	56	29	41	1,204
2005	14	55	841	31	20	36	983
2006	26	42	1,148	28	80	104	1,402
2007	25	33	546	0	81	85	745
2002-2006 Average	23	37	1,155	43	106	88	1,428

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Year	Permits Issued	Estimated Harvest					
		Chinook	Sockeye	Coho	Pink	Chum	Total
TOTAL ALASKA PENINSULA AREA							
1985	161	74	4,037	7,504	574	1,566	13,755
1986	147	101	5,396	2,996	1,779	1,455	11,727
1987	191	193	5,777	4,259	1,547	1,943	13,719
1988	183	257	5,501	5,646	1,666	1,692	14,762
1989	188	88	10,404	3,505	1,213	2,104	17,314
1990	201	246	8,588	4,029	736	1,589	15,188
1991	249	458	11,345	5,551	1,878	3,551	22,783
1992	229	385	10,739	4,267	1,840	2,574	19,805
1993	262	615	12,478	5,753	1,189	1,997	22,032
1994	256	674	11,884	6,086	2,206	4,406	25,256
1995	260	492	12,716	5,021	2,653	3,369	24,251
1996	234	362	12,176	7,743	2,569	2,728	25,578
1997	217	420	15,224	4,612	2,955	2,885	26,096
1998	233	407	12,920	5,820	2,286	1,326	22,759
1999	186	366	14,964	3,984	1,440	2,035	22,789
2000	178	232	9,924	5,434	984	1,558	18,132
2001	185	339	11,767	4,205	1,207	1,996	19,514
2002	156	326	9,553	3,308	555	1,593	15,335
2003	165	320	10,188	4,177	1,229	2,203	18,117
2004	146	205	8,903	3,680	632	820	14,240
2005	159	176	11,030	3,751	618	534	16,109
2006	153	130	8,353	2,608	1,194	1,097	13,382
2007	150	94	7,257	2,750	698	521	11,320
2002-2006 Average	156	231	9,605	3,505	846	1,249	15,437

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Year	Permits Issued	Estimated Harvest					Total
		Chinook	Sockeye	Coho	Pink	Chum	
UNALASKA LOCAL COMMUNITY RESIDENTS							
1985	65	0	897	208	1,293	20	2,418
1986	121	0	3,449	847	2,468	375	7,139
1987	81	0	1,097	378	1,780	151	3,406
1988	74	1	962	390	2,626	83	4,062
1989	70	2	1,064	470	1,292	36	2,864
1990	94	4	2,357	681	1,428	100	4,570
1991	89	0	1,294	666	1,075	45	3,080
1992	144	7	2,739	587	1,723	11	5,067
1993	137	17	2,831	697	587	136	4,268
1994	150	1	2,759	774	1,053	48	4,635
1995	159	23	4,446	480	784	23	5,756
1996	189	5	1,107	1,033	492	49	2,686
1997	218	8	4,192	864	440	110	5,614
1998	206	4	3,317	731	729	26	4,807
1999	208	0	2,707	1,327	1,018	13	5,065
2000	205	7	3,073	569	315	24	3,988
2001	201	4	3,850	563	763	100	5,280
2002	226	2	5,267	643	277	63	6,252
2003	220	27	4,814	558	408	41	5,848
2004	207	4	4,343	792	343	26	5,508
2005	207	6	4,210	356	587	15	5,174
2006	193	10	1,722	363	745	92	2,932
2007	171	16	2,391	207	750	36	3,400
2002-2006 Average	211	10	4,071	542	472	47	5,143

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Year	Permits Issued	Estimated Harvest					Total
		Chinook	Sockeye	Coho	Pink	Chum	
UNALASKA - RESIDENTS RESIDING OUTSIDE OF UNALASKA DISTRICT							
1985	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0
1988	3	2	4	0	1	0	7
1989	4	0	48	0	0	0	48
1990	2	0	0	0	0	0	0
1991	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0
1993	2	0	0	0	0	0	0
1994	0	0	0	0	0	0	0
1995	1	0	38	4	7	0	49
1996	0	0	0	0	0	0	0
1997	3	0	0	0	114	0	114
1998	0	0	0	0	0	0	0
1999	3	0	0	0	0	0	0
2000	7	0	4	1	10	0	15
2001	2	0	0	0	0	0	0
2002	5	0	0	0	0	0	0
2003	7	0	30	0	0	0	30
2004	2	0	30	0	0	0	30
2005	10	1	23	0	0	0	24
2006	6	0	0	0	0	0	0
2007	7	0	0	0	0	0	0
2002-2006 Average	6	0	17	0	0	0	17

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Year	Permits Issued	Estimated Harvest					Total
		Chinook	Sockeye	Coho	Pink	Chum	
TOTAL UNALASKA							
1985	65	0	897	208	1,293	20	2,418
1986	121	0	3,449	847	2,468	375	7,139
1987	81	0	1,097	378	1,780	151	3,406
1988	77	3	966	390	2,627	83	4,069
1989	74	2	1,112	470	1,292	36	2,912
1990	94	4	2,357	681	1,428	100	4,570
1991	89	0	1,294	666	1,075	45	3,080
1992	144	7	2,739	587	1,723	11	5,067
1993	139	17	2,831	697	587	136	4,268
1994	150	1	2,759	774	1,053	48	4,635
1995	160	23	4,484	484	791	23	5,805
1996	189	5	1,107	1,033	492	49	2,686
1997	221	8	4,192	864	554	110	5,728
1998	206	4	3,317	731	729	26	4,807
1999	211	0	2,707	1,327	1,018	13	5,065
2000	212	7	3,077	570	325	24	4,003
2001	203	4	3,850	563	763	100	5,280
2002	231	2	5,267	643	277	63	6,252
2003	227	27	4,844	558	408	41	5,878
2004	209	4	4,373	792	343	26	5,538
2005	217	7	4,233	356	587	15	5,198
2006	199	10	1,722	363	745	92	2,932
2007	178	16	2,391	207	750	36	3,400
2002-2006 Average	217	10	4,088	542	472	47	5,160

Note: The total number of salmon harvested are extrapolated from returned permits.

Appendix C2.—Subsistence salmon harvest by community and species, in number of fish, 2007.

Community	Permits Issued	Permits Returned	Percent Returned	Estimated Harvest					
				Chinook	Sockeye	Coho	Pink	Chum	Total
Alaska Peninsula									
Local Residents									
Sand Point	35	24	68.6%	60	2,454	200	455	169	3,338
King Cove	52	44	84.6%	1	3,088	2,203	162	264	5,718
Cold Bay	29	21	72.4%	0	661	167	0	3	831
False Pass	3	1	33.3%	0	0	180	0	0	180
Nelson Lagoon & Port Moller	6	3	50.0%	0	508	0	0	0	508
Port Heiden	0			0	0	0	0	0	0
Local Residents Total	125	93	74.4%	61	6,711	2,750	617	436	10,575
Other State Area Residents Total	25	18	72.0%	33	546	0	81	85	745
Alaska Peninsula Total	150	111	74.0%	94	7,257	2,750	698	521	11,320
Unalaska									
Unalaska Local Residents total	171	104	60.8%	16	2,391	207	750	36	3,400
Other State Area Residents Total	7	4	57.1%	0	0	0	0	0	0
Unalaska Total	178	108	60.7%	16	2,391	207	750	36	3,400
Adak	9	6	66.7%	0	488	3	38	0	529

Note: The total number of salmon harvested are extrapolated from returned permits.

Appendix C3.—Adak-Kagalaska Islands estimated personal use salmon harvests, 1988-1997 and Adak District subsistence harvest, 1998-2007.

Year	Permits Issued	Permits Returned	Percent Returned	Estimated Total Harvest					Total
				Chinook	Sockeye	Coho	Pink	Chum	
Adak-Kagalaska Islands Personal Use									
1988	43	29	67.4	0	503	23	150	0	676
1989	64	47	73.3	0	382	0	117	0	499
1990	61	29	47.5	0	800	47	41	0	888
1991	37	31	86.5	0	281	6	34	0	321
1992	52	41	78.8	0	572	30	4	0	606
1993	36	26	72.2	0	638	12	26	0	676
1994 ^a	0	0	0.0	0	0	0	0	0	0
1995	4	3	75.0	0	156	0	0	0	156
1996	6	6	100.0	0	91	0	0	0	91
1997 ^b	18	12	66.7	0	229	0	0	4	233
1988-1993									
Average	49	34	71.0	0	529	20	62	0	611
1995-1996									
Average	5	5	87.5	0	124	0	0	0	124
Adak District Subsistence									
1998	13	10	76.9%	0	399	0	25	0	424
1999	5	5	100.0%	0	164	4	0	0	168
2000	13	12	92.3%	0	265	4	78	0	347
2001	17	14	82.4%	0	474	19	17	0	510
2002	3	3	100.0%	0	150	0	0	0	150
2003	6	5	83.3%	0	363	0	0	0	363
2004	6	4	66.7%	0	336	0	0	0	336
2005	2	2	100.0%	0	188	0	0	0	188
2006	1	1	100.0%	0	74	0	1	0	75
2007	9	6	66.7%	0	488	3	38	0	529
2002-2006									
Average	4	3	1	0	222	0	0	0	222

Note: The total number of salmon harvested are extrapolated from returned permits.

^a U.S. Navy presence at Adak was reduced; there were no requests for personal use salmon permits.

^b In 1997, a substantial number of civilians were hired by the Navy to work in a cleanup effort at Adak.

Appendix C4.—Average subsistence salmon harvest in numbers of fish by species, per successful permit holder, 2007.

Community	Estimated Number Permits Fished ^a	Estimated Harvest ^a Per Permit Holder					Total
		Chinook	Sockeye	Coho	Pink	Chum	
AK Pen. Local Residents							
Sand Point	20	3	120	10	22	8	163
King Cove	37	0	84	60	4	7	155
Cold Bay	19	0	34	9	0	0	43
False Pass	3	0	0	60	0	0	60
Nelson Lagoon	0	0	0	0	0	0	0
Port Moller	3	0	127	0	0	0	127
Port Heiden	0	0	0	0	0	0	0
Non-local AK. Residents							
Fishing AK. Pen. Area	14	33	546	0	81	85	745
Unalaska Local Residents	94	0	26	2	8	0	36
Non-local AK. Residents							
Fishing Unalaska Area	0	0	0	0	0	0	0
Adak	5	0	83	1	8	0	92

^aThe total number of permit holders and salmon harvested are extrapolated from returned permits.

Appendix C5.—Average subsistence salmon harvest by species, in percent, by successful permit holder, by community, in the Alaska Peninsula, Unalaska, and Adak Districts, 2007.

Community	Percent by Species					Total
	Chinook	Sockeye	Coho	Pink	Chum	
AK Pen. Local Residents						
Sand Point	2%	74%	6%	13%	5%	100%
King Cove	0%	54%	39%	3%	5%	100%
Cold Bay	0%	79%	21%	0%	0%	100%
False Pass	0%	0%	100%	0%	0%	100%
Nelson Lagoon	0%	0%	0%	0%	0%	
Port Moller	0%	100%	0%	0%	0%	100%
Port Heiden	0%	0%	0%	0%	0%	
Non-local AK. Residents						
Fishing AK. Pen. Area	4%	73%	0%	11%	11%	100%
Unalaska Local Residents	0%	72%	6%	22%	0%	100%
Non-local AK. Residents						
Fishing Unalaska Area	0%	0%	0%	0%	0%	
Adak	0%	90%	1%	9%	0%	100%

Appendix C6.—Mortensen's Lagoon subsistence and commercial sockeye and coho salmon harvests and escapements, in numbers of fish, 2007.

	Permits	Sockeye	Coho
Subsistence Harvest^a			
Cold Bay Locals	17	584	41
King Cove Locals	9	506	125
Other Alaska Residents	3	25	0
Total subsistence harvest	29	1,115	166
Commercial Harvest^b	7	7,568	288
Subsistence & Commercial Harvest		8,683	454
Escapement		6,200 ^c	3,600 ^d

^a The number of subsistence salmon permit holders estimated to be fishing at Mortensen's Lagoon and the estimated harvest are extrapolated from permit returns.

^b The commercial harvest includes all of statistical area 284-62 (formerly 283-32). Some of the salmon caught in area 284-62 may have been destined for systems other than Mortensen's Lagoon.

^c Estimated total escapement (aerial survey).

^d Peak escapement (aerial survey).

Appendix C7.—Number of Mortensen's Lagoon subsistence users by community, 1982-2007.

Year	Number of fishers			Total
	Local Cold Bay	Local King Cove	Non-Local AK Residents	
1982	21	6	3	30
1983	18	15	4	37
1984	15	6	6	27
1985	10	5	7	22
1986	11	1	0	12
1987	17	1	4	22
1988	21	0	0	21
1989	12	0	7	19
1990	13	0	14	27
1991	19	2	21	42
1992	15	1	18	34
1993	15	0	39	54
1994	11	1	29	41
1995	11	13	39	63
1996	9	12	20	41
1997	11	10	15	36
1998	12	7	15	34
1999	6	4	6	16
2000	13	10	3	26
2001	12	9	5	26
2002	13	4	6	23
2003	15	16	4	35
2004	18	9	2	29
2005	9	9	2	20
2006	14	13	7	34
2007	17	9	3	29
1990-1998 Average ^a	13	5	23	41
2002-2006 Average	14	10	4	28

^a In the years between 1990 to 1998 an increased number of non-local fishermen harvested salmon in the Mortensens Lagoon area.

Appendix C8.—Thin Point Cove subsistence and commercial sockeye and coho salmon harvests and escapements, 2007.

Fishery	Permits	Sockeye	Coho
Subsistence^a			
King Cove Locals	17	2,040	650
False Pass Locals	0	0	0
Cold Bay Locals	0	0	0
Other Alaska Residents	0	0	0
Total Subsistence Harvest	17	2,040	650
Commercial^b	8	5,602	810
Total Harvest		7,642	1,460
Escapement		21,300 ^c	9,000 ^d

^a The number of subsistence permit holders fishing Thin Point Cove and the number of subsistence salmon harvested are extrapolated from returned permits.

^b Commercial harvest information was from the fish ticket database and includes all of statistical area 284-75.

^c Estimated total escapement (aerial survey).

^d Peak escapement (aerial survey).

Appendix C9.—Lenard Harbor subsistence and commercial coho salmon harvests, 2007.

Fishery	Permits	Coho
Subsistence ^a	11	812
Commercial ^b	9	82
Total Harvest	20	894

^a The number of subsistence permits used at Lenard Harbor and the number of subsistence salmon harvested are extrapolated from returned permits.

^b Commercial harvest information was from the fish ticket database and includes all of statistical area 284-65, the Lenard Harbor Section.

Appendix C10.—Estimated Lenard Harbor coho salmon subsistence harvests and escapements, 1998-2007.

Year	Permits	Subsistence Harvest	Escapement	Total Observed Run
1998	11	1,043	No information	
1999	6	412	130	542
2000	1	23	600	623
2001	6	457	1,300	1,757
2002	8	581	800	1,381
2003	11	958	1,350	2,308
2004	6	762	587	1,349
2005	13	847	900	1,747
2006	6	664	2,700	3,364
2007	11	812	1,200	2,012
2002-2006 Average	9	762	1,267	2,030

Appendix C11.—Estimated Unalaska Island subsistence sockeye and coho salmon harvest by major location, in number of fish, 2007.

Location	Permits ^a	Species	Harvest ^a	Percent of Total Harvest
Reese Bay (Wislow)	58	Sockeye	1,605	67.1%
		Coho	1	0.5%
Broad Bay	15	Sockeye	0	0.0%
		Coho	92	44.4%
Wide Bay	0	Sockeye	0	0.0%
		Coho	0	0.0%
Nateeken Bay	8	Coho	7	3.4%
Captains Bay	12	Sockeye	13	0.5%
		Coho	48	23.2%
Unalaska Lake vicinity	26	Sockeye	344	14.4%
		Coho	10	4.8%
Other locations	16	Sockeye	429	17.9%
		Coho	49	23.7%
Totals	135 ^b	Sockeye	2,391	100.0%
		Coho	207	100.0%

^aThe number of successful permit holders and salmon harvested are extrapolated from returned permits.

^b Some permits fished in more than one location.

Appendix C12.—Estimated Mortensen's Lagoon, Thin Point Cove, and Reese Bay subsistence salmon harvest, in number of fish, 1982-2007.

Year	Mortensen's Lagoon			Thin Point Cove			Reese (Wislow) Bay	
	Permits ^a	Sockeye ^a	Coho ^a	Permits ^a	Sockeye ^a	Coho ^a	Permits ^a	Sockeye ^a
1982	30	590	1,145	-	-	-	-	-
1983	41	300	1,600	-	-	-	-	-
1984	27	745	500	-	-	-	-	-
1985	22	590	831	-	-	-	23	669
1986	12	362	178	15	1,586	656	54	2,824
1987	22	604	254	15	1,226	966	20	806
1988	21	737	66	17	488	2,196	21	792
1989	19	420	28	17	1,479	1,239	12	436
1990	27	745	95	29	751	2,578	12	1,421
1991	42	1,144	83	27	913	3,154	35	1,180
1992	34	851	104	23	547	927	59	2,479
1993	54	1,596	148	37	1,511	3,184	37	1,425
1994	41	903	283	23	734	2,443	60	2,298
1995	63	1,940	175	17	1,307	1,348	82	3,985
1996	41	958	508	37	2,609	2,819	45	968
1997	36	1,440	200	14	746	1,271	121	3,945
1998	34	1,034	164	18	972	1,413	89	2,866
1999	16	443	269	21	2,135	1,123	72	2,091
2000	26	844	291	22	904	1,910	86	2,898
2001	26	918	87	33	2,960	1,754	63	3,389
2002	23	811	77	25	2,913	1,213	63	4,694
2003	35	1,817	434	36	3,002	1,527	106	4,388
2004	29	1,623	146	28	2,877	1,389	86	3,771
2005	20	952	81	31	2,572	964	91	3,363
2006	34	1,594	29	18	1,748	953	52	1,451
2007	29	1,115	166	17	2,040	650	58	1,605
2002-2006 Average	28	1,359	153	28	2,622	1,209	80	3,533

Note: data includes both local and non-local Alaska State residents.

^a The number of permit holders and salmon harvested are extrapolated from returned permits.

Appendix C13.—Adak District subsistence salmon harvest, in number of fish, 2007.

	Number	Percent
Number of Permits Issued	9	-
Number of Permits Returned	6	66.7%
Number of Returned Permits Reporting Catch	4	44.4%
Estimated Number of Permit Holders That Caught Salmon	6	66.7%

Average Catch Per Successful Permit Holder

Chinook	Sockeye	Coho	Pink	Chum	Total
0	81	1	6	0	88

Total Estimated Harvest

Chinook	Sockeye	Coho	Pink	Chum	Total
0	488	3	38	0	529

Note: The total number of salmon harvested are extrapolated from returned permits.

APPENDIX D: ESCAPEMENT DATA

Appendix D1.—Alaska Peninsula Management Area estimated total Chinook, sockeye, pink and chum salmon escapements by species and year, 1962-2007.

Year	Area	Chinook	Sockeye	Pink ^a	Chum
1962	South Peninsula	0	18,800	1,598,800	399,400
	<u>North Peninsula</u>	<u>4,400</u>	<u>351,200</u>	<u>4,000</u>	<u>150,900</u>
	Total	4,400	370,000	1,602,800	550,300
1963	South Peninsula	0	23,000	1,317,900	446,700
	<u>North Peninsula</u>	<u>6,200</u>	<u>351,000</u>	<u>4,400</u>	<u>203,200</u>
	Total	6,200	374,000	1,322,300	649,900
1964	South Peninsula	0	15,700	1,436,400	454,800
	<u>North Peninsula</u>	<u>25,900</u>	<u>419,900</u>	<u>15,100</u>	<u>156,100</u>
	Total	25,900	435,600	1,451,500	610,900
1965	South Peninsula	0	12,100	1,035,400	228,000
	<u>North Peninsula</u>	<u>22,100</u>	<u>238,400</u>	<u>900</u>	<u>49,300</u>
	Total	22,100	250,500	1,036,300	277,300
1966	South Peninsula	0	17,000	719,400	422,000
	<u>North Peninsula</u>	<u>8,200</u>	<u>283,300</u>	<u>2,000</u>	<u>149,000</u>
	Total	8,200	300,300	721,400	571,000
1967	South Peninsula	0	16,200	445,500	182,900
	<u>North Peninsula</u>	<u>12,200</u>	<u>299,700</u>	<u>700</u>	<u>122,600</u>
	Total	12,200	315,900	446,200	305,500
1968	South Peninsula	0	12,800	823,300	279,100
	<u>North Peninsula</u>	<u>15,800</u>	<u>251,300</u>	<u>26,500</u>	<u>250,800</u>
	Total	15,800	264,100	849,800	529,900
1969	South Peninsula	0	29,500	2,474,900	134,600
	<u>North Peninsula</u>	<u>19,500</u>	<u>575,000</u>	<u>4,400</u>	<u>146,800</u>
	Total	19,500	604,500	2,479,300	281,400
1970	South Peninsula	0	16,500	1,298,900	280,500
	<u>North Peninsula</u>	<u>8,300</u>	<u>451,500</u>	<u>11,100</u>	<u>169,800</u>
	Total	8,300	468,000	1,310,000	450,300
1971	South Peninsula	0	19,400	702,700	343,200
	<u>North Peninsula</u>	<u>5,200</u>	<u>435,100</u>	<u>8,600</u>	<u>109,400</u>
	Total	5,200	454,500	711,300	452,600
1972	South Peninsula	0	11,900	111,400	254,500
	<u>North Peninsula</u>	<u>5,000</u>	<u>190,200</u>	<u>1,300</u>	<u>124,000</u>
	Total	5,000	202,100	112,700	378,500
1973	South Peninsula	0	7,300	110,800	505,500
	<u>North Peninsula</u>	<u>4,300</u>	<u>180,200</u>	<u>200</u>	<u>122,400</u>
	Total	4,300	187,500	111,000	627,900

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Year	Area	Chinook	Sockeye	Pink ^a	Chum
1974	South Peninsula	0	95,600	284,400	257,300
	North Peninsula	3,000	332,800	23,000	105,100
	Total	3,000	428,400	307,400	362,400
1975	South Peninsula	0	51,700	552,100	193,300
	North Peninsula	4,600	516,800	600	109,200
	Total	4,600	568,500	552,700	302,500
1976	South Peninsula	0	69,700	1,456,400	327,200
	North Peninsula	6,000	532,600	37,300	293,400
	Total	6,000	602,300	1,493,700	620,600
1977	South Peninsula	0	64,900	2,677,800	774,900
	North Peninsula	7,100	541,100	8,500	681,200
	Total	7,100	606,000	2,686,300	1,456,100
1978	South Peninsula	0	64,800	2,858,700	600,500
	North Peninsula	13,700	1,213,500	96,800	310,500
	Total	13,700	1,278,300	2,955,500	911,000
1979	South Peninsula	0	53,300	2,629,500	411,100
	North Peninsula	15,800	1,574,000	9,300	305,300
	Total	15,800	1,627,300	2,638,800	716,400
1980	South Peninsula	0	45,900	2,641,600	362,400
	North Peninsula	11,000	1,387,600	103,600	769,500
	Total	11,000	1,433,500	2,745,200	1,131,900
1981	South Peninsula	0	45,700	2,307,500	381,300
	North Peninsula	12,400	1,347,900	6,100	535,200
	Total	12,400	1,393,600	2,313,600	916,500
1982	South Peninsula	0	39,200	2,293,000	386,900
	North Peninsula	20,000	718,400	51,700	457,600
	Total	20,000	757,600	2,344,700	844,500
1983	South Peninsula	0	59,200	851,200	446,500
	North Peninsula	25,700	580,300	4,000	392,600
	Total	25,700	639,500	855,200	839,100
1984	South Peninsula	0	54,800	3,811,600	699,700
	North Peninsula	17,700	826,000	56,600	870,200
	Total	17,700	880,800	3,868,200	1,569,900
1985	South Peninsula	0	49,900	1,614,100	503,400
	North Peninsula	12,900	898,100	1,400	344,200
	Total	12,900	948,000	1,615,500	847,600

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Year	Area	Chinook	Sockeye	Pink ^a	Chum
1986	South Peninsula	0	48,000	1,716,700	544,600
	North Peninsula	8,700	580,300	13,300	243,600
	Total	8,700	628,300	1,730,000	788,200
1987	South Peninsula	0	44,600	1,540,500	620,700
	North Peninsula	10,700	556,000	100	510,900
	Total	10,700	600,600	1,540,600	1,131,600
1988	South Peninsula	0	74,100	2,839,600	496,400
	North Peninsula	11,700	614,900	43,500	500,300
	Total	11,700	689,000	2,883,100	996,700
1989	South Peninsula	0	78,100	1,870,900	310,500
	North Peninsula	5,600	814,400	1,900	212,300
	Total	5,600	892,500	1,872,800	522,800
1990	South Peninsula	0	95,300	1,598,400	354,700
	North Peninsula	7,100	1,032,200	132,200	226,400
	Total	7,100	1,127,500	1,730,600	581,100
1991	South Peninsula	0	124,900	2,946,800	587,600
	North Peninsula	9,600	1,317,300	6,300	303,300
	Total	9,600	1,442,200	2,953,100	890,900
1992	South Peninsula	0	97,600	2,834,400	335,500
	North Peninsula	6,600	861,300	207,600	351,700
	Total	6,600	958,900	3,042,000	687,200
1993	South Peninsula	0	100,341	2,990,140	397,030
	North Peninsula	13,745	1,003,848	72,830	402,380
	Total	13,745	1,104,189	3,062,970	799,410
1994	South Peninsula	0	120,255	3,071,725	579,100
	North Peninsula	38,400	1,211,400	133,200	480,200
	Total	38,400	1,331,655	3,204,925	1,059,300
1995	South Peninsula	0	129,110	6,406,300	726,400
	North Peninsula	24,400	1,077,030	8,200	756,000
	Total	24,400	1,206,140	6,414,500	1,482,400
1996	South Peninsula	0	72,950	3,647,550	610,300
	North Peninsula	25,670	967,890	382,600	823,130
	Total	25,670	1,040,840	4,030,150	1,433,430
1997	South Peninsula	0	104,440	5,243,275	809,050
	North Peninsula	19,250	820,243	24,750	388,185
	Total	19,250	924,683	5,268,025	1,197,235

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Year	Area	Chinook	Sockeye	Pink ^a	Chum
1998	South Peninsula	0	85,440	4,668,065	742,235
	<u>North Peninsula</u>	<u>14,954</u>	<u>894,015</u>	<u>300,000</u>	<u>729,350</u>
	Total	14,954	979,455	4,968,065	1,471,585
1999	South Peninsula	0	96,800	5,015,310	725,180
	<u>North Peninsula</u>	<u>10,907</u>	<u>897,267</u>	<u>20,000</u>	<u>666,275</u>
	Total	10,907	994,067	5,035,310	1,391,455
2000	South Peninsula	0	69,530	2,792,985	522,075
	<u>North Peninsula</u>	<u>9,565</u>	<u>927,194</u>	<u>50,000</u>	<u>594,700</u>
	Total	9,565	996,724	2,842,985	1,116,775
2001	South Peninsula	0	161,630	2,965,136	751,221
	<u>North Peninsula</u>	<u>13,337</u>	<u>875,353</u>	<u>31,141</u>	<u>692,712</u>
	Total	13,337	1,036,983	2,996,277	1,443,933
2002	South Peninsula	0	192,749	3,762,800	602,750
	<u>North Peninsula</u>	<u>18,924</u>	<u>894,543</u>	<u>40,000</u>	<u>679,810</u>
	Total	18,924	1,087,292	3,802,800	1,282,560
2003	South Peninsula	0	198,192	5,511,220	476,540
	<u>North Peninsula</u>	<u>11,078</u>	<u>1,231,411</u>	<u>20,000</u>	<u>447,960</u>
	Total	11,078	1,429,603	5,531,220	924,500
2004	South Peninsula	0	220,861	8,311,410	732,400
	<u>North Peninsula</u>	<u>30,874</u>	<u>1,433,827</u>	<u>122,000</u>	<u>434,950</u>
	Total	30,874	1,654,688	8,433,410	1,167,350
2005	South Peninsula	0	124,000	6,165,634	970,313
	<u>North Peninsula</u>	<u>30,617</u>	<u>1,556,888</u>	<u>52,628</u>	<u>296,640</u>
	Total	30,617	1,680,888	6,218,262	1,266,953
2006	South Peninsula	0	87,783	3,102,445	786,485
	<u>North Peninsula</u>	<u>32,173</u>	<u>1,157,546</u>	<u>252,462</u>	<u>576,043</u>
	Total	32,173	1,245,329	3,354,907	1,362,528
2007	South Peninsula	0	69,013	2,680,213	726,661
	<u>North Peninsula</u>	<u>20,685</u>	<u>1,069,752</u>	<u>45,509</u>	<u>578,784</u>
	Total	20,685	1,138,765	2,725,722	1,305,445
1997-2006 Average	South Peninsula	0	134,143	4,753,828	711,825
	<u>North Peninsula</u>	<u>19,168</u>	<u>1,068,829</u>	<u>91,298</u>	<u>550,663</u>
	Total	19,168	1,202,971	4,845,126	1,262,487

Note: Coho salmon escapement estimates are not available due to incomplete data.

^aNorth Peninsula pink salmon escapement estimates are based on incomplete data.

**APPENDIX E:
COMMERCIAL SALMON FISHING REGULATIONS**

CHAPTER 9. ALASKA PENINSULA AREA.

PLEASE NOTE THAT AS OF 2004 ALL LONGITUDE AND LATITUDE COORDINATES IN THE ALASKA PENINSULA AREA HAVE BEEN CONVERTED TO DECIMAL MINUTES AND ARE BASED ON THE NORTH AMERICAN DATUM OF 1983.

ARTICLE 1. DESCRIPTION OF AREA.

5 AAC 09.001. APPLICATION OF THIS CHAPTER. Requirements set out in this chapter apply only to commercial fishing, unless otherwise specified. Subsistence, personal use, and sport fishing regulations affecting commercial fishing vessels or affecting any other commercial fishing activity are set out in the subsistence fishing regulations in 5 AAC 01 and 5 AAC 02, personal use fishing regulations in 5 AAC 77, and sport fishing regulations in 5 AAC 65 and 5 AAC 75.

5 AAC 09.100. DESCRIPTION OF AREA. The Alaska Peninsula Area includes the waters of Alaska on the north side of the Alaska Peninsula, southwest of a line from Cape Menshikof (57° 28.34' N. lat., 157° 55.84' W. long.) to Cape Newenham (58° 39.00' N. lat., 162° W. long.) and east of the longitude of Cape Sarichef Light (164° 55.70' W. long.) and on the south side of the Alaska Peninsula, from a line extending from Scotch Cap through the easternmost tip of Ugamak Island to a line extending 135° southeast from Kupreanof Point (55° 33.98' N. lat., 159° 35.88' W. long.).

ARTICLE 2. FISHING DISTRICTS AND SECTIONS.

5 AAC 09.200. DESCRIPTION OF DISTRICTS AND SECTIONS. (a) Northern District: waters on the north (Bering Sea) side of the Alaska Peninsula west of a line from Cape Menshikof (57° 28.34' N. lat., 157° 55.84' W. long.) to Cape Newenham (58° 39.00' N. lat., 162° W. long.) and the longitude of Moffet Point (162° 35.50' W. long.), excluding the waters of Moffet Bay (also known as Moffet Lagoon);

(1) Cinder River Section: waters of the Northern District east of 158° 20.00' W. long.;

(2) Port Heiden Sections:

(A) Outer Port Heiden Section: waters located between 158° 20.00' W. long. and the longitude of Strogonof Point (158° 50.45' W. long.), excluding the waters of the Inner Port Heiden Section;

(B) Inner Port Heiden Section: waters of Port Heiden Bay south and east of a line from Strogonof Point at 56° 53.50' N. lat., 158° 50.45' W. long. to the mainland shore of the northeast entrance to the bay at 56° 56.50' N. lat., 158° 41.50' W. long.;

(3) Ilnik Section: waters between the longitude of Strogonof Point (158° 50.45' W. long.) and the longitude of Three Hills (159° 49.45' W. long.);

(4) Three Hills Section: waters between the longitude of Three Hills (159° 49.45' W. long.) and the longitude of Cape Seniavin (160° 08.25' W. long.);

(5) Bear River Section: waters between the longitude of Cape Seniavin (160° 08.25' W. long.) and the longitude of Wolf Point (160° 48.47' W. long.), excluding the waters of the Herendeen-Moller Bay Section;

(6) Port Moller Bight Section: waters enclosed by a line from Entrance Point to Harbor Point;

(7) Herendeen-Moller Bay Section: waters enclosed by a line from Harbor Point to Entrance Point to Wolf Point to Point Edward on Cape Rozhnof;

(8) Nelson Lagoon Section: waters of Nelson Lagoon inside the bars and inside a line extending from Lagoon Point to Wolf Point to Point Edward on Cape Rozhnof;

(9) Caribou Flats Section: waters between the longitude of Wolf Point (160° 48.47' W. long.) and the longitude of Frank's Point (161° 49.00' W. long.), excluding the waters of the Nelson Lagoon Section;

(10) Black Hills Section: waters between the longitude of Frank's Point (161° 49.00' W. long.) and the longitude of Moffet Point (162° 35.50' W. long.), excluding the waters of Moffet Bay (also known as Moffet Lagoon).

(b) Northwestern District: waters on the north (Bering Sea) side of the Alaska Peninsula between the longitude of Moffet Point (162° 35.50' W. long.) and the longitude of Cape Sarichef Light on Unimak Island (164° 55.70' W. long.), including all waters of Moffet Bay (also known as Moffet Lagoon) and the waters of Bechevin Bay and Isanotski Strait north of a line from the False Pass cannery dock to Nichols Point;

(1) Izembek-Moffet Bay Section: waters between the longitude of Moffet Point (162° 35.50' W. long.) and the longitude of the easternmost tip of Chunak Point (163° 27.00' W. long.), including all of Moffet Bay (also known as Moffet Lagoon), excluding the waters of the Bechevin Bay Section;

(2) Bechevin Bay Section: waters of Bechevin Bay and Isanotski Strait enclosed on the north by a line from the easternmost tip of Chunak Point to the westernmost tip of Cape Kretnitzin and enclosed on the south by a line from the False Pass cannery dock to Nichols Point;

(3) Swanson Lagoon Section: waters on the north side of Unimak Island between the longitude of the easternmost edge of Chunak Point (163° 27.00' W. long.) and east of the longitude of Otter Point (163° 47.00' W. long.), excluding the waters of the Bechevin Bay Section;

(4) Urelia Bay Section: waters on the north side of Unimak Island west of the longitude of Otter Point (163° 47.00' W. long.) and east of the longitude of the northernmost tip of Cape Mordvinof (164° 26.00' W. long.), including Peterson and Christianson Lagoons;

(5) Dublin Bay Section: waters on the northwest side of Unimak Island west of the longitude of the northernmost tip of Cape Mordvinof (164° 26.00' W. long.) and east of the longitude of Cape Sarichef Light (164° 55.70' W. long.).

(c) Unimak District: waters on the south side of Unimak Island between a line extending from Scotch Cap (54° 24.17' N. lat., 164° 47.60' W. long.) through the easternmost tip of Ugamak Island (54° 12.87' N. lat., 164° 46.00' W. long.) and a line extending 115° from Cape Pankof Light (54° 39.60' N. lat., 163° 03.70' W. long.), including the Sanak Islands;

(1) Cape Lutke Section: waters of the Unimak District west of the longitude of Rock Island (163° 38.00' W. long.);

(2) Otter Cove Section: waters of the Unimak District east of the longitude of Rock Island (163° 38.00' W. long.) and north of 54° 30.00' N. lat.;

(3) Sanak Island Section: waters of the Unimak District east of the longitude of Rock Island (163° 38.00' W. long.) and south of 54° 30.00' N. lat.

(d) Southwestern District: waters on the south side of the Alaska Peninsula north and east of a line extending 115° from Cape Pankof Light (54° 39.60' N. lat., 163° 03.70' W. long.) and west of a line extending 106° from Arch Point Light (55° 12.30' N. lat., 161° 54.30' W. long.) to the western boundary of the Southeastern District (longitude of McGinty Point: 160° 59.00' W. long.), including Inner Iliasik, Outer Iliasik, Goloi, Dolgoi, Poperechoi, and Deer Islands, waters of Ikaton Bay, and waters of Isanotski Strait south of a line from the False Pass cannery dock (54° 51.35' N. lat., 163° 24.38' W. long.) to Nichols Point (54° 51.43' N. lat., 163° 23.23' W. long.);

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- (1) Ikatan Bay Section: waters of the Southwestern District located south and west of a line from Kenmore Head (54° 56.83' N. lat., 163° 01.77' W. long.) to Hague Rock (54° 33.17' N. lat., 162° 24.00' W. long.) and west of a line extending true south from Hague Rock;
 - (2) Morzhovoi Bay Section: waters of Morzhovoi Bay north of a line from Kenmore Head to Cape Tachilni (54° 56.00' N. lat., 162° 52.80' W. long.);
 - (3) Thin Point Section: waters of the Southwestern District east of Kenmore Head (54° 56.83' N. lat., 163° 01.77' W. long.) and west of Thin Point (54° 57.32' N. lat., 162° 33.50' W. long.), excluding waters of the Ikatan, Morzhovoi, and Cold Bay Sections;
 - (4) Cold Bay Section: waters north of a line from Thin Point to Vodapoini Point;
 - (5) Deer Island Section: waters within one nautical mile from the mean high tide mark around Deer Island;
 - (6) Belkofski Bay Section: waters between Vodapoini Point and Moss Cape, including Inner and Outer Iliasik Islands, excluding the waters of the Deer Island Section;
 - (7) Volcano Bay Section: waters between Moss Cape and Arch Point, including Goloi, Dolgoi, and Poperechnoi Islands;
 - (8) General Section: all remaining waters of the Southwestern District.
- (e) South Central District: waters on the south side of the Alaska Peninsula north and east of a line extending 106° from Arch Point Light (55° 12.30' N. lat., 161° 54.30' W. long.) and west of a line extending south from McGinty Point (55° 27.37' N. lat., 160° 59.00' W. long.), including Ukolnoi and Wosnesenski Islands;
- (1) West Pavlof Bay Section: waters of the South Central District west of 161° 34.00' W. long.;
 - (2) East Pavlof Bay Section: waters of the South Central District east of 161° 34.00' W. long., excluding the anoe Bay and Mino Creek-Little Coal Bay Sections;
 - (3) Canoe Bay Section: waters of Canoe Bay enclosed by a line from a point at 55° 35.55' N. lat., 161° 21.60' W. long. to a point at 55° 35.65' N. lat., 161° 21.80' W. long.;
 - (4) Mino Creek-Little Coal Bay Section: waters of the South Central District, excluding those of the West and East Pavlof Bay and Canoe Bay Sections, between the longitude of McGinty Point (160° 59.00' W. long.) and the longitude of Cape Tolstoi (161° 30.00' W. long.).
- (f) Southeastern District: waters on the south side of the Alaska Peninsula east of a line extending south from McGinty Point (55° 27.37' N. lat., 160° 59.00' W. long.) and west of a line extending 135° from Kupreanof Point (55° 33.98' N. lat., 159° 35.88' W. long.), including all of the Shumagin Islands;
- (1) Beaver Bay Section: waters of the Southeastern District east of the longitude of McGinty Point (160° 59.00' W. long.), west of 160° 49.00' W. long., and north of 55° 26.00' N. lat.;
 - (2) Balboa Bay Section: waters of the Southeastern District east of 160° 49.00' W. long., north of 55° 26.00' N. lat., and west of the longitude of Swedania Point (160° 31.50' W. long.);
 - (3) Shumagin Islands Section: waters of the Southeastern District east of the longitude of McGinty Point (160° 59.00' W. long.), west of a line extending 135° from Kupreanof Point (55° 33.98' N. lat., 159° 35.88' W. long.), south of a line from 55° 26.00' N. lat., 160° 31.50' W. long., to 55° 32.20' N. lat., 160° 02.60' W. long. (approximately one nautical mile north of Karpa Island), and east to the Alaska Peninsula Area boundary (a line extending 135° from Kupreanof Point), excluding the Beaver Bay, Balboa Bay, and Southwest Stepovak Sections;

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(4) Southwest Stepovak Section: waters of the Southeastern District south of the latitude of 55° 37.33' N. lat., west of 159° 52.00' W. long., north of the Shumagin Islands Section, and east of the Balboa Bay Section;

(5) Northwest Stepovak Section: waters of the Southeastern District north of 55° 37.33' N. lat. and west of the longitude of Dent Point (159° 52.00' W. long.);

(6) Stepovak Flats Section: waters of the Southeastern District north of 55° 48.20' N. lat. and east of the longitude of Dent Point (159° 52.00' W. long.);

(7) East Stepovak Section: waters of the Southeastern District south of 55° 48.20' N. lat., east of the longitude of Dent Point (159° 52.00' W. long.), north of 55° 32.20' N. lat., and west of a line extending 135° from Kupreanof Point (55° 33.98' N. lat., 159° 35.88' W. long.).

5 AAC 09.206. USE OF GLOBAL POSITIONING SYSTEM (GPS). In the Alaska Peninsula Area, boundaries, lines, and coordinates are identified with the global positioning system (GPS). If the global positioning system is not operating, the boundaries, lines, and coordinates are as identified by ADF&G regulatory markers.

ARTICLE 3. SALMON FISHERY.

5 AAC 09.301. SEAWARD BOUNDARY OF DISTRICTS.

For the purpose of managing the historical salmon net fishery in the vicinity of False Pass and Unimak Bight, the outer boundary of the Southwestern and Unimak Districts is a line drawn three miles seaward from a line commencing at 54° 26.70' N. lat., 162° 53.00' W. long., near the western end of Sanak Island to Cape Lutke on Unimak Island. The seaward boundary of all other districts is a line three miles seaward of the baseline, as described in 5 AAC 39.975(13).

5 AAC 09.310. FISHING SEASONS. (a) In the Northern District, salmon may be taken as follows:

(1) Cinder River Section:

(A) from May 1 through September 30 within the lagoon into which the Cinder River drains (locally known as False Ugashik or Shagong);

(B) from August 1 through September 30 throughout this section;

(2) Port Heiden Sections:

(A) Inner Port Heiden Section: from May 1 through September 30;

(B) Outer Port Heiden Section: from June 20 through July 31;

(3) Ilnik Section:

(A) from May 1 through September 30, waters within Ilnik Lagoon and the waters inside the Seal Islands;

(B) repealed 6/4/2004;

(C) from June 20 through September 30, throughout the entire Ilnik Section;

(4) Three Hills Section: from June 25 through September 30;

(5) Bear River Section: from May 1 through September 30;

(6) Port Moller Bight Section: from May 1 through September 30;

(7) Herendeen-Moller Bay Section: from May 1 through July 20;

(8) Nelson Lagoon Section: from May 1 through September 30;

(9) Caribou Flats Section: no open season;

(10) Black Hills Section: from May 1 through September 30.

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(b) In the Northwestern District, salmon may be taken only from June 1 through September 30, except that in the Dublin Bay Section, salmon may be taken only from July 10 through September 30.

(c) In the Unimak District, salmon may be taken only from June 1 through September 30.

(d) In the Southwestern District, salmon may be taken only from June 1 through September 30.

(e) In the South Central District, salmon may be taken only from June 1 through September 30.

(f) In the Southeastern District, salmon may be taken only from June 1 through September 30.

5 AAC 09.320. FISHING PERIODS. (a) In the Northern District, salmon may be taken only during weekly fishing periods from 6:00 a.m. Monday until 6:00 p.m. Thursday, unless modified by emergency order, except as follows:

(1) in the Black Hills Section, before July 1 salmon may be taken from 6:00 a.m. Monday until 6:00 p.m. Wednesday; beginning July 1 salmon may be taken from 6:00 a.m. Monday until 6:00 p.m. Thursday;

(2) in the Nelson Lagoon Section, salmon may be taken

(A) during the period May 1 through June 15, from 6:00 a.m. Monday until 12:00 midnight Wednesday;

(B) during the period June 16 through August 15, from 6:00 a.m. Monday until 12:00 midnight Thursday;

(C) after August 15, from 6:00 a.m. Monday until 12:00 midnight Wednesday;

(3) in the Cinder River, Outer Port Heiden, Inner Port Heiden, and Ilnik Sections, salmon may be taken only from 6:00 a.m. Monday until 6:00 p.m. Wednesday, except that before June 20 in that portion of the Ilnik Section within the Ilnik Lagoon and all waters inside the Seal Islands, salmon may be taken only from 12:00 noon Monday until 11:59 p.m. Wednesday;

(4) before July 1, in the Three Hills and Bear River Sections, salmon may be taken from 6:00 a.m. Monday until 6:00 p.m. Wednesday.

(b) In the Northwestern District, salmon may be taken during an open season from September 1 through September 30 only during fishing periods established by emergency order. Unless otherwise specified by emergency order, before September 1, salmon may be taken in the Northwestern District only during the open season in the

(1) Izembek-Moffet Bay Section, from 6:00 a.m. Monday until 6:00 p.m. Thursday;

(2) Bechevin Bay Section, only during fishing periods established by emergency order;

(3) Urilia Bay Section, only during fishing periods established by emergency order;

(4) Dublin Bay Section, from 6:00 a.m. Monday until 6:00 p.m. Thursday;

(5) Swanson Lagoon Section, from 6:00 a.m. Monday until 6:00 p.m. Thursday.

(c) Salmon may be taken only during the open season in the Unimak District during fishing periods established by emergency order.

(d) Salmon may be taken only during the open season in the Southwestern District only during fishing periods established by emergency order.

(e) Salmon may be taken only during the open season in the South Central District only during fishing periods established by emergency order.

(f) Salmon may be taken only during the open season in the Southeastern District only during fishing periods established by emergency order.

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5 AAC 09.330. GEAR. (a) In the Northern District salmon may be taken in the

- (1) Cinder River Section: with drift gillnets or set gillnets only;
- (2) Inner Port Heiden Section: with drift gillnets or set gillnets only;
- (3) Ilnik Section: with drift gillnets or set gillnets only;
- (4) Three Hills Section: with drift gillnets only;
- (5) Bear River Section: with drift gillnets, purse seines and hand purse seines;
- (6) Port Moller Bight Section: with drift gillnets, set gillnets, purse seines, and hand purse seines;
- (7) Herendeen-Moller Bay Section: with drift gillnets, set gillnets, purse seines and hand purse seines;
- (8) Nelson Lagoon Section: with drift gillnets or set gillnets;
- (9) Black Hills Section: with drift gillnets or set gillnets only.
- (10) Outer Port Heiden Section: with drift gillnets only.

(b) In the Northwestern District salmon may be taken with drift gillnets, set gillnets, purse seines and hand purse seines.

(c) In the Unimak District salmon may be taken with drift gillnets, set gillnets, purse seines and hand purse seines. Salmon may be taken by gillnet gear during periods when the seine fishery is closed by emergency order due to the presence of immature salmon.

(d) In the Southwestern District salmon may be taken with purse seines, hand purse seines and set gillnets, except that

(1) salmon may also be taken with drift gillnets

(A) in the waters of the Ikaton Bay Section west of a line from Kenmore Head to Hague Rocks to the easternmost tip of the Sanak Islands;

(B) from June 1 through June 30, in the waters

(i) south and east of a line from Cape Pankof Light at 54° 39.60' N. lat., 163° 03.70' W. long., to Thin Point at 54° 57.32' N. lat., 162° 33.50' W. long.; and

(ii) south of a line from Thin Point at 54° 57.32' N. lat., 162° 33.50' W. long., to the northernmost tip of Stag Point at 54° 59.10' N. lat., 162° 18.10' W. long., on Deer Island to the southernmost tip of Dolgoi Cape at 55° 03.15' N. lat., 161° 44.35' W. long, on Dolgoi Island and south of the latitude of the northeastern tip of Dolgoi Island at 55° 07.50' N. lat., 161° 38.30' W. long.;

(2) repealed 3/19/78;

(3) salmon may be taken by gillnet gear during periods when the seine fishery is closed by emergency order due to the presence of immature salmon.

(e) In the South Central District salmon may be taken with set gillnets, purse seines and hand purse seines, except that

(1) repealed 3/19/78;

(2) within Canoe Bay, salmon may be taken only with purse seines and hand purse seines;

(3) repealed 6/2/88;

(4) salmon may be taken by set gillnet gear during periods when the seine fishery is closed by emergency order due to the presence of immature salmon.

(f) In the Southeastern District salmon may be taken only with set gillnets, purse seines and hand purse seines except that

(1) salmon may be taken only with purse seines and hand purse seines in the area between Popof Head and Dark Cliffs (Popof Island) from June 1 through August 31; however, salmon may be taken by set gillnet during periods when the seine fishery is closed by emergency order due to the presence of immature salmon;

(2) repealed 3/19/78;

(3) salmon may be taken only with set gillnets from June 1 through July 10 in the Beaver Bay, Balboa Bay, Southwest Stepovak, Northwest Stepovak, Stepovak Flats, and East Stepovak Sections; however, if the department determines that the Orzinski Lake sockeye salmon escapement objectives have been exceeded as described in 5 AAC 09.360(k), beginning July 1, in addition to set gillnet gear, the commissioner may open, by emergency order, the waters of Orzinski Bay west of 160° 04.25' W. long. to fishing with purse seine and hand purse seine gear;

(4) salmon may be taken by set gillnet during periods when the seine fishery is closed by emergency order due to presence of immature salmon.

(g) Notwithstanding 5 AAC 39.240, a CFEC set gillnet permit holder may use a registered salmon fishing vessel, when it has set gillnet gear on board, to tow another registered salmon fishing vessel with set gillnet gear on board if the permit holder for the vessel being towed is on board one of the vessels.

5 AAC 09.331. GILLNET SPECIFICATIONS AND OPERATIONS. (a) The size and operation of drift gillnets is as follows:

(1) the aggregate length of drift gillnets on a salmon fishing boat or in use by such boat shall be no more than 200 fathoms in length;

(2) the mesh size of a drift gillnet may not be less than five and one-quarter inches, except that there is no minimum mesh size

(A) in the Northern District and the Northwestern District;

(B) in the South Unimak and Shumagin Islands fisheries described in 5 AAC 09.365(b) and (c) when the commissioner opens fishing periods under 5 AAC 09.365(d);

(C) repealed 6/22/2001;

(3) in the Northwestern, Unimak, and Southwestern Districts, no drift gillnet may exceed 90 meshes in depth;

(4) in the Northern District, a drift gillnet may not exceed 70 meshes in depth, except that in the Nelson Lagoon Section a drift gillnet may not exceed 29 meshes in depth before August 16 and 38 meshes in depth from August 16 through September 30; a drift gillnet may have only one leadline, which may not exceed 60 fathoms per 50 fathoms of corkline, and no portion of the leadline may exceed 1.5 pounds per fathom.

(b) The size and operation of set gillnets is as follows:

(1) a set gillnet may be no more than 100 fathoms in length; the aggregate length of set gillnets operated by a CFEC permit holder may be no more than 200 fathoms; no more than two gillnet sites may be operated by a CFEC permit holder except that in the

(A) Inner Port Heiden Section a set gillnet may be no more than 50 fathoms in length; the aggregate length of set gillnets operated by a CFEC permit holder may be no more than 100 fathoms; and no more than two gillnet sites may be operated by a CFEC permit holder;

(B) Ilnik Lagoon (portion of the Ilnik Section) a set gillnet may be no more than 50 fathoms in length; the aggregate length of set gillnets operated by a CFEC permit holder may be no more than 150 fathoms; and no more than three gillnet sites may be operated by a CFEC permit holder;

(C) in the Northwestern, Unimak, Southwestern, South Central, and Southeastern Districts, a set gillnet may not exceed 90 meshes in depth; and

(2) set gillnets shall be operated in substantially a straight line; no more than 30 fathoms of each set gillnet may be used as a single hook;

(3) the mesh size of a set gillnet may not be less than five and one-quarter inches, except that there is no minimum mesh size

(A) in the Northern District and the Northwestern District;

(B) in the South Unimak and Shumagin Islands fisheries described in 5 AAC 09.365(b) and (c) when the commissioner opens fishing periods under 5 AAC 09.365(e);

(C) repealed 6/22/2001;

(4) in the Northern District, the maximum depth of a set gillnet may not exceed 70 meshes in depth; except that in the Nelson Lagoon Section, a set gillnet may not exceed 29 meshes in depth;

(5) in the Unimak, Southwestern, South Central, and Southeastern Districts, 10 fathoms of seine webbing may be used on the shoreward end of a set gillnet; the shoreward end of the seine webbing must be attached to the beach above low tide;

(6) during hours of darkness, each set gillnet must be marked with at least one red light on the seaward end of the net, and at least one red light on both ends of the net if that net is more than 300 feet from shore;

(7) in Swanson Lagoon, within the Swanson Lagoon Section of the Northwestern District, a person may not place a set gillnet in the water if that placement would result in more than 50 percent of the channel east of 163° 38.75' W. long. being blocked to the movement of boat traffic at any stage of the tide;

(8) in the Cinder River and Ilnik Sections of the Northern District, a person may not place the seaward end of a set gillnet further than one-half mile from the permanent vegetation line of the beach, except that in the Seal Islands a person may not place the seaward end of a set gillnet further than one-half mile from the mean high tide mark;

(9) in the Unimak District during the June fishery described in 5 AAC 09.365, a person may not place the shoreward end of a set gillnet further than one-half mile from the mean high tide mark.

5 AAC 09.332. SEINE SPECIFICATIONS AND OPERATIONS. (a) Purse seines or hand purse seines may not be less than 100 fathoms nor more than 250 fathoms in length. A purse seine or hand purse seine may not exceed 375 meshes in depth. Seine mesh may not be more than three and one-half inches, except that the first 25 meshes above the leadline may not be more than 7 inches.

(b) Leads may not be less than 50 fathoms nor more than 150 fathoms in length. Only one lead may be used with a seine. A lead may be attached to only one end of a seine, and the lead may not be attached to the boat end of the seine.

5 AAC 09.334. IDENTIFICATION OF GEAR. (a) Each drift gillnet in operation must have at each end a bright red keg, buoy, or cluster of floats plainly and legibly marked with the permanent vessel license plate (ADF&G) number of the vessel operating the gear, as well as the initials of the operator.

(b) Each set gillnet in operation must be identified as required by 5 AAC 39.280.

5 AAC 09.335. MINIMUM DISTANCE BETWEEN UNITS OF GEAR. No part of a commercial set gillnet may be set or operated within 900 feet of any part of another commercial set gillnet, except that in the

(1) Inner Port Heiden Section no part of a set gillnet may be set or operated within 600 feet of any part of another set gillnet;

(2) Nelson Lagoon Section no part of a set gillnet may be set or operated within 1,800 feet of any part of another operating set gillnet.

5 AAC 09.342. VESSEL IDENTIFICATION. Repealed 4/18/86.

5 AAC 09.350. CLOSED WATERS. Salmon may not be taken in the following locations:

- (1) Cape Menshikof: waters of the Cinder River Section located north and east of a line extending 304° from a point on the shore at 57° 24.40' N. lat., 158° 03.00' W. long.;
- (2) Cinder River Lagoon: waters enclosed by a line from 57° 20.00' N. lat., 158° 08.02' W. long. to 57° 21.30' N. lat., 158° 02.63' W. long.;
- (3) Outer Port Heiden: waters of the Outer Port Heiden Section east of 158° 36.00' W. long.;
- (4) Meshik River: waters upstream from a line crossing the river from a point at 56° 47.07' N. lat., 158° 41.10' W. long. to 56° 47.97' N. lat., 158° 38.75' W. long.; this is approximately one-half nautical mile upstream from the mean high tide mark in the mouth of the river and approximately at the lower line of the permanent vegetation line;
- (5) Unangashak River: waters east of 159° 15.33' W. long.;
- (6) Ilnik Lagoon: waters of Ilnik Lagoon and lake west of 159° 32.00' W. long.;
- (7) Sandy River:
 - (A) from May 1 through July 26: waters within 2,000 yards of the terminus of the river;
 - (B) from July 27 through September 30: waters within 500 yards of the terminus of the river;
- (8) Bear River:
 - (A) from May 1 through August 8: waters within 1,000 yards of the terminus of the river;
 - (B) from August 9 through September 30: waters within 500 yards of the terminus of the river;
- (9) King Salmon River:
 - (A) from May 1 through July 15, waters within 1,000 yards of the stream terminus;
 - (B) after July 15, waters within 500 yards of the stream terminus;
- (10) Frank's Lagoon: waters of the lagoon and within 500 yards outside the entrance;
- (11) Herendeen Bay: from May 1 through July 20, waters within 500 yards of any salmon stream, unless otherwise specified in this chapter;
- (12) Nelson Lagoon: waters of the lagoon and river (called Caribou, Nelson, and Lagoon River) flowing into the upper (west) end of Nelson Lagoon, upstream from a line from 55° 57.19' N. lat., 161° 21.52' W. long. to 55° 57.55' N. lat., 161° 22.09' W. long.;
- (13) Caribou Flats: waters of the Caribou Flats Section;
- (14) Amak Island and adjacent Sea Lion Rocks: waters within three nautical miles of the mean high tide mark around these islands and rocks;
- (15) Applegate Cove-Norma Bay: waters south of a line from 55° 14.20' N. lat., 162° 53.20' W. long. to the southwest extremity of Norma Bay at 55° 10.50' N. lat., 163° 05.12' W. long.; this boundary aligns with the Cold Bay VORTAL cone and the headland located approximately two nautical miles south of the radar domes near Grant Point;
- (16) Bechevin Bay:
 - (A) Saint Catherine Cove (Mike's Creek): waters within 1,000 yards of the stream located at 55° 00.80' N. lat., 163° 31.55' W. long.;
 - (B) Trader's Cove: waters north and east of a line from Morzhovoi Village (54° 54.65' N. lat., 163° 18.33' W. long.) to the base of Trader Mountain (54° 54.98' N. lat., 163° 18.50' W. long.);

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(C) Warmsprings Bay: waters southeast of a line from a point on the south shore of the bay at 54° 56.40' N. lat., 163° 15.90' W. long. to a point on the north shore of the bay at 54° 57.20' N. lat., 163° 15.67' W. long.;

(17) Swanson Lagoon:

(A) from June 1 through August 31: waters enclosed by a line from 55° 02.15' N. lat., 163° 38.75' W. long. to 55° 02.13' N. lat., 163° 38.60' W. long.;

(B) from September 1 through September 30: waters enclosed by a line from 55° 02.15' N. lat., 163° 38.75' W. long. to 55° 02.17' N. lat., 163° 39.15' W. long.;

(18) Urelia Bay:

(A) Christianson's Lagoon: waters of the lagoon and its exit channel upstream from a point located above the exit channel terminus at the ocean shoreline;

(B) Peterson Lagoon: waters of the lagoon from a point located 500 yards upstream from the lagoon outlet channel terminus at the ocean shoreline;

(19) Ikatan Bay: waters within 1,000 yards of the stream at 54° 45.18' N. lat., 163° 15.32' W. long. on the north shore of the Ikatan Peninsula that exit from Swede's Lake;

(20) Morzhovoi Bay:

(A) Middle Lagoon: waters of the lagoon and within 1,000 yards of its entrance;

(B) Littlejohn Lagoon: waters of the lagoon and within 500 yards of its entrance at the narrows;

(21) Thin Point Cove and Lagoon: waters north and west of a line from the tip of Thin Point westward to a point on the shore at 54° 57.58' N. lat., 162° 42.40' W. long.;

(22) Cold Bay:

(A) Old Man Lagoon, Mortensen Lagoon, and Nurse Lagoon: waters of the lagoons and within 500 yards outside their entrances;

(B) Lenard Harbor: waters east of a line from 55° 06.00' N. lat., 162° 23.10' W. long. to a point on the north shore at 55° 06.95' N. lat., 162° 23.20' W. long. and within 1,000 yards of any salmon stream west of 55° 06.95' N. lat., 162° 23.20' W. long., including Barney's Creek;

(C) Kinzarof Lagoon area: waters of Kinzarof Lagoon;

(D) Trout Creek: waters within 1,000 yards of the stream terminus;

(23) Deer Island: waters within 200 yards of any salmon stream on Deer Island;

(24) Belkofski Bay: waters north and east of a line from 55° 09.28' N. lat., 162° 08.32' W. long. to 55° 08.07' N. lat., 162° 07.20' W. long. and then to 55° 07.33' N. lat., 162° 07.60' W. long.;

(25) Volcano and Bear Bay:

(A) waters north of a line from 55° 13.33' N. lat., 162° 01.40' W. long. to 55° 13.83' N. lat., 161° 58.20' W. long.;

(B) waters of Bear Bay west of 162° W. long. and locally known as Little Bear Bay;

(26) Long John Lagoon: waters of the lagoon and within 500 yards outside of its entrance;

(27) Pavlof Bay:

(A) Chinaman Lagoon and Jackson Lagoon: waters of the lagoons and within 1,000 yards outside of their entrances;

(B) Dry Lagoon: waters of the lagoon and within 500 yards of its entrance;

(C) Canoe Bay: waters east of 161° 14.30' W. long.;

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(28) Bay Point: waters of the lagoon and within 500 yards of the lagoon entrance;

(29) Zachary Bay: waters of the inner bay south and west of a line extending from the inner edge of the permanent vegetation line of the sand spit to the west of the tip of the prominent point of land approximately one and one-third nautical miles inside Quartz Point;

(30) Balboa Bay:

(A) waters north of a line extending west from Reef Point;

(B) waters of Lefthand Bay west of a line from 55° 31.60' N. lat., 160° 43.00' W. long. to 55° 33.10' N. lat., 160° 42.10' W. long.;

(31) San Diego Bay: waters of the lagoon at the head of this bay and within 500 yards outside of the lagoon's entrance, except that from July 19 through August 31 the closure includes all waters west of a line from the reef at 55° 33.10' N. lat., 160° 26.60' W. long. to the headland at 55° 33.97' N. lat., 160° 25.90' W. long.;

(32) Dorenoi Bay:

(A) from June 1 through July 25, waters north and west of a line from the tip of Renshaw Point to the opposite shore at 55° 38.40' N. lat., 160° 19' W. long.;

(B) after July 25, waters within 500 yards of the terminus of any salmon stream;

(33) Chichagof Bay: waters of the lagoon and within 500 yards of the lagoon entrance;

(34) Orzinski Bay (Orzenoi): waters within 1,000 yards of any salmon stream;

(35) Grub Gulch: waters north and east of a line from 55° 48.25' N. lat., 159° 56.20' W. long. to 55° 48.00' N. lat., 159° 58.40' W. long.;

(36) Stepovak Bay:

(A) from June 1 through July 28, waters within 500 yards of any salmon stream or lagoon, unless otherwise specified in this chapter;

(B) from July 29 through September 30, waters north of a line extending east from Dent Point at 55° 47.25' N. lat., 159° 52.00' W. long. to a point on the Kupreanof Peninsula at 55° 46.93' N. lat., 159° 38.70' W. long.;

(37) from July 6 through August 31, waters of Alaska in the East Stepovak Section between a line extending 135° from Kupreanof Point at 55° 33.98' N. lat., 159° 35.88' W. long. and a line extending 207° from 55° 34.50' N. lat., 159° 37.53' W. long.; from September 1 through September 30, the commissioner shall close, by emergency order, the waters specified in this paragraph when the waters specified in 5 AAC 15.350(20) are closed to conserve coho salmon.

5 AAC 09.355. SALMON PROCESSOR AND BUYER REPORTING REQUIREMENTS. The operator of a floating salmon processing vessel or tender, or of a shorebased processing operation, and a company employing aircraft used for transporting salmon, shall report in person, or by radio or telephone, to a local representative of the department located in the management area of intended operation before the start of processing or buying operations. The report must include the location and the date of intended operation, and identify and describe each vessel or other method of transport employed in hauling or processing salmon.

5 AAC 09.360. SOUTHEASTERN DISTRICT MAINLAND SALMON MANAGEMENT PLAN. (a) The purpose of this management plan is to provide guidelines to the department for the management of the interception of Chignik River sockeye salmon caught in the Southeastern District Mainland fishery conducted in the East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections. Except as specified in 5 AAC 09.330(f)(3), before July 11, only set gillnet gear may be used in these sections. For the purpose of this plan, local runs include only those salmon in the waters

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- (1) beginning July 1, in the Northwest Stepovak Section described in 5 AAC 09.200(f);
- (2) in the Stepovak Flats Section described in 5 AAC 09.200(f).

(b) In years when a harvestable surplus for the first (Black Lake) and second (Chignik Lake) runs of Chignik River system sockeye salmon is expected to be less than 600,000, a commercial salmon fishery is not allowed in the East Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and in the Northwest Stepovak Section, excluding Orzinski Bay north of a line from Elephant Point at 55° 41.92' N. lat., 160° 03.20' W. long. to Waterfall Point at 55° 43.18' N. lat., 160° 01.13' W. long., until a harvest of 300,000 sockeye salmon is achieved in the Chignik Area described in 5 AAC 15.100. After July 8, if at least 300,000 sockeye salmon have been harvested in the Chignik Area, and if escapement goals are being met, the department shall manage the fishery so that the number of sockeye salmon harvested in the Chignik Area will be at least 600,000 and the number of sockeye salmon destined for the Chignik River that are harvested in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1, in the Northwest Stepovak Section, approaches as near as possible 7.6 percent of the sockeye salmon harvest in the Chignik Area.

(c) In years when a harvestable surplus beyond escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000 but the first run fails to develop as predicted and it is determined that a total sockeye salmon harvest in the Chignik Area of 600,000 or more might not be achieved, the commercial salmon fishery in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and in the Northwest Stepovak Section, excluding Orzinski Bay north of a line from Elephant Point at 55° 41.92' N. lat., 160° 03.20' W. long. to Waterfall Point at 55° 43.18' N. lat., 160° 01.13' W. long., shall be curtailed in order to allow a harvest in the Chignik Area of at least 300,000 sockeye salmon through July 8 if that number of fish are determined to be surplus to the escapement goals of the Chignik River system. After July 8, if at least 300,000 sockeye salmon have been harvested in the Chignik Area, and if escapement goals are being met, the department shall manage the fishery so that the number of sockeye salmon harvested in the Chignik Area is at least 600,000 and the number of sockeye salmon harvested in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section, approaches as near as possible 7.6 percent of the sockeye salmon harvest in the Chignik Area.

(d) In years when a harvestable surplus beyond the escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000 and the department determines that the runs are as strong as expected, the department shall manage the fishery so that the number of sockeye salmon destined for the Chignik River that are harvested in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section, approaches as near as possible 7.6 percent of the sockeye salmon harvest in the Chignik Area.

(e) Beginning July 1,

(1) the fishing schedule in the Northwest Stepovak Section, excluding Orzinski Bay north of a line from Elephant Point at 55° 41.92' N. lat., 160° 03.20' W. long. to Waterfall Point at 55° 43.18' N. lat., 160° 01.13' W. long. may not be more than four 24-hour periods with no more than 48-hours continuous fishing during a seven-day period;

(2) if the Orzinski Bay escapement reaches or exceeds 25,000 sockeye salmon, the commissioner may, by emergency order, open the Northwest Stepovak Section, including all of Orzinski Bay with fishing periods as follows:

(A) set gillnet gear will be allowed to operate continuously through 12:00 midnight July 25;

(B) purse seine and hand purse seine gear will be allowed to operate as specified in (1) of this subsection.

(f) The estimate of sockeye salmon destined for the Chignik River has been determined to be 80 percent of the sockeye salmon harvested in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section. Beginning July 1, all sockeye salmon taken in the Northwest Stepovak Section are considered to be destined for Orzinski Bay.

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(g) The percentage of sockeye salmon destined for the Chignik River that are harvested in the Southeastern District Mainland fishery may be permitted to fluctuate above or below 7.6 percent of sockeye salmon harvest in the Chignik Area at any time before July 25.

(h) The allocation method described in (a) - (g) of this section is in effect through July 25. The commissioner may not open the first fishing period of the commercial salmon fishing season in the East Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section, before the first fishing period of the commercial salmon fishing season in the Chignik Area. After July 25, the commissioner may open, by emergency order, commercial salmon fishing in the entire Southeastern District Mainland area for local stocks.

(i) During the period from approximately June 26 through July 8, the strength of the second run of the Chignik River system sockeye salmon cannot be evaluated. In order to prevent overharvest of the second run, the department may disallow or severely restrict commercial salmon fishing in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections during this period, and from June 26 through June 30 in the Northwest Stepovak Section.

(j) The commissioner shall open all commercial fishing periods by emergency order. Before commencement of the first commercial salmon fishing period of the season, the department shall give at least 24 hours' notice. For subsequent fishing periods, the department shall give at least 12 hours' notice. If an existing fishing period is extended, the department shall give notice of the extension as soon as possible before the end of the existing fishing period.

(k) Notwithstanding any other provision of this section, from July 1 through July 10, if the department determines that the Orzinski Lake sockeye salmon escapement objectives have been exceeded, in addition to set gillnet gear, the commissioner may open, by emergency order, the waters of Orzinski Bay west of 160° 04.25' W. long. to fishing with purse seine and hand purse seine gear.

(l) From July 26 through September 30,

(1) the department shall manage the fishery based on the abundance of local pink, chum, and coho salmon stocks;

(2) there shall be at least one closed 36-hour period within a seven-day period.

5 AAC 09.365. SOUTH UNIMAK AND SHUMAGIN ISLANDS JUNE SALMON MANAGEMENT PLAN.

(a) The South Unimak and Shumagin Islands June fisheries harvest both sockeye salmon and chum salmon in a mixed stock fishery during the month of June. The sockeye salmon are predominantly Bristol Bay and Alaska Peninsula origin. The chum salmon are bound for a number of areas, including Japan, Russia, the Arctic-Yukon-Kuskokwim, Bristol Bay, the Alaska Peninsula, and southcentral Alaska. These salmon stocks have historically been harvested along the south Alaska Peninsula during the month of June. This management plan is intended to be consistent with the Policy for the Management of Sustainable Salmon Fisheries (5 AAC 39.222) and the Policy for the Management of Mixed Stock Salmon Fisheries (5 AAC 39.220).

(b) The South Unimak fishery takes place in the Unimak District, the Southwestern District, the East Pavlof Bay and West Pavlof Bay sections of the South Central District, and the Bechevin Bay Section of the Northwestern District.

(c) The Shumagin Islands fishery takes place in the Shumagin Islands Section.

(d) Beginning June 7, the commissioner may open, by emergency order, commercial fishing periods for purse seine, drift gillnet, and set gillnet gear in the South Unimak and Shumagin Islands fisheries as follows:

(1) commercial fishing periods will begin at 6:00 a.m. and run 88 hours, until 10:00 p.m. three days later; commercial fishing will be closed for 32 hours and reopen at 6:00 a.m. two days later;

(2) notwithstanding (1) of this subsection, the final commercial fishing period will end at 10:00 p.m. on June 29.

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(e) All salmon caught by a CFEC permit holder must be retained, and each CFEC permit holder must report the number of salmon caught, including those taken but not sold, on an ADF&G fish ticket. For the purposes of this subsection, “caught” means brought on board the vessel.

5 AAC 09.366. POST-JUNE SALMON MANAGEMENT PLAN FOR THE SOUTH ALASKA PENINSULA. (a) The purpose of this management plan is to provide management guidelines to the department for the management of the post-June salmon fisheries along the South Alaska Peninsula, to provide for the harvest of local stocks in terminal harvest areas, and to establish fishing periods for the South Alaska Peninsula salmon fisheries outside of terminal harvest areas.

(b) The commissioner shall establish, to the extent practicable, concurrent fishing periods in the Southeastern, South Central, Southwestern, and Unimak Districts.

(c) Fishing periods may be established under this section only as follows:

- (1) except as specified in (d), for July, from 7:00 a.m. to 9:00 p.m.;
- (2) for August, from 8:00 a.m. to 9:00 p.m.;
- (3) for September, from 9:00 a.m. to 8:00 p.m.; and
- (4) repealed 1/15/2003.

(d) Notwithstanding (c)(1) of this section, the commissioner may establish, by emergency order, six 24-hour fishing periods interspersed by 48 hour closures from July 6 through July 21, and three 36-hour fishing periods interspersed by 48 hour closures from July 22 through July 31. The first commercial fishing period of the July 22 through July 31 period may not start before 12:00 noon on July 23.

(e) Repealed 6/4/2004.

(f) The commissioner may open, by emergency order, the following terminal harvest areas to salmon fishing from July 6 through July 21:

(1) the Shumagin Islands Section of the Southeastern District, waters of Zachary Bay south of the latitude of 55° 22.60' N. lat.; fishing periods shall be established based on the abundance of pink and chum salmon stocks;

(2) the East and West Pavlof Bay Sections of the South Central District, waters north of the latitude of Black Point (55° 24.48' N. lat.); fishing periods shall be established based on the abundance of pink and chum salmon stocks;

(3) the Canoe Bay Section of the South Central District; fishing periods shall be established based on the abundance of pink and chum salmon stocks;

(4) in the Cold Bay, Thin Point, and Morzhovoi Bay Sections of the Southwestern District as follows:

(A) fishing periods in the Cold Bay Section shall be established based on the abundance of sockeye and chum salmon stocks;

(B) fishing periods in Thin Point Cove and Morzhovoi Bay Sections shall be established based on the abundance of sockeye salmon stocks.

(g) In addition to the terminal harvest areas specified in (f), of this section, the commissioner may open, by emergency order, the following terminal harvest areas to salmon fishing from July 22 through July 31:

(1) the Northwest Stepovak Section of the Southeastern District Mainland (near Suzy Creek), after July 25, the waters east of 160° 19.00' W. long. (in Dorenoi Bay), west of the cape separating Chichagof Bay and West Cove (160° 14.57' W. long.) and north of 55° 37.33' N. lat.; fishing periods shall be established based on the abundance of local pink salmon stocks;

(2) the Stepovak Flats Section of the Southeastern District Mainland, from July 26 through July 28; fishing periods shall be established based on the abundance of local chum salmon stocks;

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(3) the Mino Creek-Little Coal Bay and East Pavlof Bay Sections of the South Central District; fishing periods shall be established based on the abundance of local pink and chum salmon stocks;

(4) the Belkofski Bay Section of the Southwestern District; fishing periods shall be established based on the abundance of local pink and chum salmon stocks;

(5) the Deer Island Section of the Southwestern District; fishing periods shall be established based on the abundance of local pink salmon stocks.

(h) The commissioner may open, by emergency order, the commercial salmon fishery in the South Alaska Peninsula as follows:

(1) from August 1 through August 31, fishing periods shall be based on the abundance of local sockeye, coho, pink, and chum salmon stocks;

(2) from September 1 through September 30, fishing periods shall be based on abundance of coho salmon stocks, although the department may consider the abundance of late pink and chum salmon stocks.

(i) The department shall conduct a seine test fishery in the Shumagin Islands Section to assess the presence of immature salmon. If 100 or more immature salmon, per set, are present, the commissioner shall close, by emergency order, the seine fishery in an area to be determined by the department. If the seine fishery is closed in an area under this subsection, the set gillnet fishery shall remain open in that area. For the purposes of this subsection, “immature salmon, per set, are present” means the number of immature chinook, sockeye, coho, and chum salmon observed to be gilled in the seine web.

5 AAC 09.369. NORTHERN DISTRICT SALMON FISHERIES MANAGEMENT PLAN. (a) The purpose of this management plan is to provide guidelines to the department for the management of salmon stocks in the Northern District of the Alaska Peninsula Management Area.

(b) The department shall manage the Northern District salmon fisheries on the basis of salmon abundance as determined by escapement information and catch-per-unit-effort information. The department shall manage each section of the Northern District as specified in this management plan and 5 AAC 09.320.

(c) In the Black Hills Section,

(1) before July 1, fishing periods may be modified based on the abundance of chinook and sockeye salmon stocks;

(2) from July 1 through August 15, fishing periods may be modified based on the abundance of sockeye and chum salmon stocks; and

(3) after August 15, fishing periods may be modified based on the abundance of coho salmon stocks.

(d) The Caribou Flats Section is closed to commercial salmon fishing.

(e) In the Nelson Lagoon Section,

(1) from May 1 through June 15, fishing periods may be modified based on the abundance of Nelson Lagoon Chinook salmon stocks;

(2) from June 16 through August 15, fishing periods may be modified based on sockeye salmon escapement and harvest information in Nelson Lagoon; and

(3) after August 15, fishing periods may be modified based on the abundance of Nelson Lagoon coho salmon stocks.

(f) In the Herendeen-Moller Bay Section, fishing periods for pink and chum salmon stocks may be modified so that pink salmon fishing periods will not jeopardize local chum salmon stocks.

(g) In the Port Moller Bight Section, fishing periods may be modified based on the abundance of Bear River sockeye salmon stocks.

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(h) In the Bear River Section, fishing periods may be modified based on sockeye salmon escapement to the Bear and Sandy Rivers. Before taking management actions in the Bear River Section during June, such as modification of fishing time and area by emergency order, the commissioner shall consider the chinook salmon runs into the King Salmon, Bear, and Sandy Rivers.

(i) In the Three Hills Section before July 21, fishing periods may be modified based on the abundance of sockeye salmon stocks in the Bear, Sandy, and Ilnik Rivers. Beginning July 21, fishing periods in the Three Hills Section may be modified based on the abundance of sockeye salmon stocks in the Bear and Sandy Rivers. When sockeye salmon escapement objectives in the Bear or Sandy Rivers are not being met, the commissioner may close, by emergency order, a portion of the Bear River and Three Hills Sections. If sockeye salmon escapements into the Ilnik River, or the Ocean River when the Ocean River flows directly into the Bering Sea, are not being met and area closures in the Ilnik Section are not effective for meeting the sockeye salmon escapement goals, the commissioner may close, by emergency order, the eastern portion of the Three Hills Section.

(j) In the Ilnik Section,

(1) notwithstanding 5 AAC 09.320(a)(3), from June 20 through July 20,

(A) commercial salmon fishing will be permitted in the Ilnik Section

(i) southwest of the Unangashak Bluffs based on the abundance of Ilnik River sockeye salmon; and

(ii) northeast of Unangashak Bluffs based on the abundance of Meshik River and Ilnik River sockeye salmon, combined;

(B) if the commissioner closes that portion of the Egegik District specified in 5 AAC 06.359(c) for conservation of Ugashik River sockeye salmon stocks, the commissioner may, by emergency order, close the Ilnik Section and immediately reopen the Ilnik Section, with additional fishing restrictions that the commissioner determines necessary;

(2) from July 21 through August 15, fishing periods may be modified in the Ilnik Section based on the abundance of Bear River sockeye salmon stocks;

(3) after August 15, fishing periods may be modified in the Ilnik Section based on the abundance of

(A) coho salmon stocks in the Unangashak and Ilnik Rivers, and the Ocean River when the Ocean River flows directly into the Bering Sea;

(B) the Bear River late-run sockeye salmon stock.

(k) In the Inner Port Heiden Section, fishing periods may be modified based on the abundance of Chinook salmon stocks during May and June, sockeye salmon stocks during July, and coho salmon stocks after July.

(l) The Outer Port Heiden Section is open from June 20 through July 31 to commercial salmon fishing in those waters west of 158°36.00' W. long. based on the abundance of Meshik River sockeye salmon. If the commissioner closes the portion of the Egegik District as specified in 5 AAC 06.359(c) for the conservation of Ugashik River sockeye salmon stocks, the commissioner may, by emergency order, close the Outer Port Heiden Section, and immediately reopen the Outer Port Heiden Section, with additional fishing restrictions that the commissioner determines necessary.

(m) In the Cinder River Section, fishing periods may be modified based on the abundance of king salmon stocks during May and June, sockeye salmon stocks during July, and coho salmon stocks after July.

5 AAC 09.378. PROHIBITIONS ON USE OF AIRCRAFT. A person may not use or employ an aircraft to locate salmon for the commercial taking of salmon or to direct commercial fishing operations in the Alaska Peninsula Area one hour before, during, and one hour after a commercial salmon fishing period.

5AAC 09.392. NET PENS AND OTHER HOLDING DEVICES IN THE ALASKA PENINSULA AREA. In the Alaska Peninsula Area, a net pen or other holding device may be used to hold live salmon before processing, only under the conditions specified in a commissioner's permit.

CHAPTER 12. ALEUTIAN ISLANDS AREA.

PLEASE NOTE THAT AS OF 2004 ALL LONGITUDE AND LATITUDE COORDINATES IN THE ALEUTIAN ISLANDS AREA HAVE BEEN CONVERTED TO DECIMAL MINUTES AND ARE BASED ON THE NORTH AMERICAN DATUM OF 1983.

ARTICLE 1. DESCRIPTION OF AREA.

5 AAC 12.001. APPLICATION OF THIS CHAPTER.

Requirements set out in this chapter apply only to commercial fishing, unless otherwise specified. Subsistence, personal use, and sport fishing regulations affecting commercial fishing vessels or affecting any other commercial fishing activity are set out in the subsistence fishing regulations in 5 AAC 01 and 5 AAC 02, personal use fishing regulations in 5 AAC 77, and sport fishing regulations in 5 AAC 65 and 5 AAC 75.

5 AAC 12.100. DESCRIPTION OF AREA.

The Aleutian Islands Area includes the waters of Alaska in the Aleutian Islands west of Cape Sarichef Light and west of a line extending from Scotch Cap through the easternmost tip of Ugamak Island, including the waters surrounding the Pribilof Islands, except the Atka-Amlia Islands Area described in 5 AAC 11.101.

ARTICLE 2. FISHING DISTRICTS AND SECTIONS.

5 AAC 12.200. DESCRIPTION OF DISTRICTS AND SECTIONS.

(a) Akutan District: all waters between Scotch Cap and Cape Sarichef Light and extending west to and including Akutan Pass. South of Scotch Cap, the eastern boundary of the district is a line extending from Scotch Cap through the easternmost tip of Ugamak Island.

(b) Unalaska District: all waters west of Akutan Pass to and including Umnak Pass

- (1) Beaver Inlet Section: all waters between Cape Sedanka and Cape Kalekta and including Unalga Island;
- (2) Unalaska Bay Section: all waters between Cape Kalekta and Cape Kovrzhka;
- (3) Makushin Bay Section: all waters between Cape Kovrzhka and Spray Cape;
- (4) Kashega Bay Section: all waters between Spray Cape and Konets Head;
- (5) Southern Section: all waters between Konets Head and Cape Sedanka.

(c) Umnak District: waters west of Umnak Pass to Seguam Pass at 172° 50.00' W. long.

(d) Adak District: waters west of Atka Pass at 175° 23.00' W. long. to the terminus of the Aleutian Islands.

(e) Pribilof Islands District: all waters of Alaska surrounding the Pribilof Islands.

5 AAC 12.206. USE OF GLOBAL POSITIONING SYSTEM (GPS). In the Aleutian Islands Area, boundaries, lines, and coordinates are identified with the global positioning system (GPS). If the global positioning system is not operating, the boundaries, lines, and coordinates are as identified by ADF&G regulatory markers.

ARTICLE 3. SALMON FISHERY.

5 AAC 12.310. FISHING SEASONS. (a) Salmon may be taken only from July 10 through September 30, except that in the Kashega Bay Section, salmon may be taken only from June 1 through September 30.

(b) There is no open commercial fishing season for salmon in the Pribilof Islands District.

5 AAC 12.320. WEEKLY FISHING PERIODS. Salmon may be taken

- (1) June 1 through July 18: from 6:00 a.m. Monday until 6:00 p.m. Friday;
- (2) from July 19 through September 30 salmon may be taken during the open season only during fishing periods established by emergency order.

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5 AAC 12.330. GEAR. Salmon may be taken by purse seines, hand purse seines and beach seines.

5 AAC 12.331. GILLNET SPECIFICATIONS AND OPERATION. Repealed 1/29/72.

5 AAC 12.332. SEINE SPECIFICATIONS AND OPERATION. (a) Purse seines and hand purse seines may not be less than 100 fathoms nor more than 250 fathoms in length.

(b) Beach seines may not be less than 100 fathoms in length and three fathoms in depth nor more than 250 fathoms in length and 12 fathoms in depth.

(c) No lead may be less than 25 fathoms nor more than 150 fathoms in length.

5 AAC 12.350. CLOSED WATERS. The following waters are closed to commercial salmon fishing:

(1) Iliuliuk Harbor vicinity: waters between Unalaska and Amaknak Islands west of 166° 32.00' W. long. and north of a line from 53° 52.28' N. lat., 166° 32.68' W. long. south of Agnes Beach to a point at 53° 52.28' N. lat., 166° 33.17' W. long. on Amaknak Island;

(2) Humpback Bay: waters enclosed by a line from the western tip of Cathedral Point to 53° 45.23' N. lat., 166° 53.63' W. long.

(3) the Pribilof Islands District.

5 AAC 12.355. SALMON PROCESSOR AND BUYER REPORTING REQUIREMENTS. The operator of a floating salmon processing vessel or tender, or a shorebased processing operation, and a company employing aircraft used for transporting salmon, shall report in person, or by radio or telephone, to a local representative of the department located in the management area of intended operation before the start of processing or buying operations. The report must include the location and the date of intended operation, and identify and describe each vessel or other method of transport employed in hauling or processing salmon.

5 AAC 12.370. REGISTRATION. In the Aleutian Islands Area, at least 48 hours before fishing, a commercial salmon permit holder for purse seine gear must register with the department the permit and the vessel that will be used in the commercial salmon fishery by contacting, by telephone, the local representative of the department at one of the following department offices and supplying all requested information:

(1) department office in Dutch Harbor;

(2) department office in Cold Bay;

(3) department office in Sand Point.

5 AAC 12.392. NET PENS AND OTHER HOLDING DEVICES IN THE ALEUTIAN ISLANDS AREA. In the Aleutian Islands Area, a net pen or other holding device may be used to hold live salmon before processing, only under the conditions specified in a commissioner's permit.

CHAPTER 11. ATKA-AMLIA ISLANDS AREA.

PLEASE NOTE THAT AS OF 2004 ALL LONGITUDE AND LATITUDE COORDINATES IN THE ATKA-AMLIA ISLANDS AREA HAVE BEEN CONVERTED TO DECIMAL MINUTES AND ARE BASED ON THE NORTH AMERICAN DATUM OF 1983.

ARTICLE 1. DESCRIPTION OF AREA.

5 AAC 11.001. APPLICATION AND INTENT OF THIS CHAPTER. Repealed.

5 AAC 11.002. APPLICATION OF THIS CHAPTER. Requirements set out in this chapter apply only to commercial fishing, unless otherwise specified. Subsistence, personal use, and sport fishing regulations affecting commercial fishing vessels or affecting any other commercial fishing activity are set out in the subsistence fishing regulations in 5 AAC 01 and 5 AAC 02, personal use fishing regulations in 5 AAC 77, and sport fishing regulations in 5 AAC 65 and 5 AAC 75.

5 AAC 11.100. DESCRIPTION OF AREA. Repealed.

5 AAC 11.101. DESCRIPTION OF AREA. The Atka-Amlia Islands Area includes the waters of Alaska between Seguam Pass (172° 50.00' W. long.) and Atka Pass (175° 23.00' W. long.).

5 AAC 11.106. USE OF GLOBAL POSITIONING SYSTEM (GPS). In the Atka-Amlia Islands Area, boundaries, lines, and coordinates are identified with the global positioning system (GPS). If the global positioning system is not operating, the boundaries, lines, and coordinates are as identified by ADF&G regulatory markers.

ARTICLE 2.

ARTICLE 3. SALMON FISHERY.

5 AAC 11.310. FISHING SEASONS. Repealed.

5 AAC 11.311. FISHING SEASONS. Salmon may be taken only from August 1 through August 31.

5 AAC 11.320. WEEKLY FISHING PERIODS. Repealed.

5 AAC 11.321. WEEKLY FISHING PERIODS. Salmon may be taken only from 6:00 a.m. to 6:00 p.m. Mondays, Wednesdays, and Fridays.

5 AAC 11.330. GEAR. Repealed.

5 AAC 11.331. GILLNET SPECIFICATIONS AND OPERATION. Repealed.

5 AAC 11.332. SEINE SPECIFICATIONS AND OPERATION. Repealed.

5 AAC 11.333. GEAR. Salmon may be taken only by purse seines and set gillnets. A purse seine may be operated only by the holder of an Area M CFEC purse seine limited entry permit.

5 AAC 11.334. GILLNET SPECIFICATIONS AND OPERATIONS. The size and operation of a set gillnet are as follows:

(1) a set gillnet may not exceed 100 fathoms in length; a CFEC permit holder may not operate more than one set gillnet;

(2) a set gillnet must be operated in a substantially straight line, with no more than 25 fathoms of the offshore end set in any configuration;

(3) the mesh size of a set gillnet may not exceed five inches;

(4) the maximum depth of a set gillnet may not exceed 90 meshes;

(5) 25 fathoms of seine webbing may be used as a lead, and must be attached to the shoreward end of a set gillnet; the shoreward end of the lead or gillnet must be attached to the beach above high tide and must remain dry at all times;

(6) during hours of darkness, a set gillnet must be marked with at least one red light on the seaward end of the net.

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5 AAC 11.335. SEINE SPECIFICATIONS AND OPERATIONS. (a) A purse seine must be at least 100 fathoms long, but may not exceed 250 fathoms in length.

(b) A seine lead must be at least 25 fathoms long, but may not exceed 150 fathoms in length.

5 AAC 11.341. VESSEL LENGTH. Repealed.

5 AAC 11.342. VESSEL LENGTH. A vessel used for setnet fishing may not exceed 29 feet in overall length.

5 AAC 11.350. CLOSED WATERS. Repealed.

5 AAC 11.351. CLOSED WATERS. The waters specified in 5 AAC 39.290 are closed to salmon fishing.

5 AAC 11.370. REGISTRATION. Repealed.

5 AAC 11.371. REGISTRATION. An Atka-Amlia Islands Area seine and setnet permit holder shall register himself or herself and each vessel that the permit holder will use by contacting a department area management biologist in Dutch Harbor, Cold Bay, Sand Point, or other place specified by the department, at least 48 hours before the season opens or before beginning commercial fishing.

5 AAC 11.392. NET PENS AND OTHER HOLDING DEVICES IN THE ATKA-AMLIA ISLANDS AREA. In the Atka-Amlia Islands Area, a net pen or other holding device may be used to hold live salmon before processing, only under the conditions specified in a commissioner's permit.

APPENDIX F: METHOD FOR ESTIMATING ESCAPEMENTS

Appendix F1.–Method for calculating indexed total escapement.

Aerial surveys have inherently high variability and are influenced by many factors including survey conditions, timing of peak surveys and variability between surveyors. With the high variability of peak survey date, between three to five surveys are conducted per stream, per year. For pink and chum salmon, an approximate 21-day stream life is used to calculate total pink and chum escapements. For Sockeye and coho, with their longer stream life, the indexed total escapement is usually the peak escapement count. Due to the high variability, the methods of calculating estimated indexed total escapements without the use of a weir or tower are as follows:

Chinook, Sockeye, Coho: These species tend to have a much longer stream life than pink and chum salmon. Therefore, the indexed total escapement is usually the peak escapement count and carcasses. However, it is recognized that there are problems in large systems such as Ilnik and Caribou-David’s Rivers. The basic problem on large systems is the length of time, expense, and fuel needed to do a thorough survey yet meet more pressing obligations.

The Caribou and David’s River complex (including Coastal and other nearby lakes) is so massive a system for the size of its runs that complete surveys are not done.

At Thin Point Lagoon and Lake, estimates of sockeye in the lagoon are added together based on estimated time in lagoon and observations of when sockeye start to move from the lagoon to the lake.

In Morzhovoi (Middle Lagoon), Bluebill, Outer Marker, and Mortensen’s Lagoon systems the escapement is calculated by adding estimates of spawning sockeye approximately two weeks apart

Pink and Chum Salmon: Again, due to the high variability of survey conditions, between three and five surveys are conducted per stream per year. From those surveys, the peak number of fish in the stream is added to the total count. If there are any stream counts 21 days prior to the peak count, the number of fish in the stream and the carcasses are added to the total count. Likewise, if there are any counts 21 days after the peak count, those live fish found at both the mouth and in the stream are added to the total count.

EXAMPLE

Fictional Stream 281-##							
Survey Date	Pinks at Mouth	Pinks in Stream	Pink Carcasses	Chums at Mouth	Chums in Stream	Chum Carcasses	
10-Jul	5,000	1,000	5,000	0	0	0	
17-Jul	15,000	25,000	5,000	0	0	0	
1-Aug	10,000	150,000	10,000	0	0	0	
15-Aug	3,000	100,000	25,000	500	1,000	0	
1-Sep	12,000	50,000	55,000	2,000	5,000	500	
Sub total	12,000	201,000	5,000	2,000	5,000	500	
Total	218,000 Pink			7,500 Chum			

The indexed total escapement is calculated by adding the figures in **bold**.

The estimate of 21 days stream life was used because significant numbers of carcasses begin to appear about three weeks after adult pinks and chums first appear in Alaska Peninsula streams. It is recognized that stream life can vary, however this method is easily duplicated and is comparable from year to year. Variation in stream life is likely a much smaller factor than variation between observers.

With the exception of several small streams, there are no problems with streams being obscured by brush or trees in the Alaska Peninsula and Aleutian Islands Areas. With some exceptions, visibility of spawning grounds is outstanding during periods of normal water flow and clear weather.

APPENDIX G: FIELD PERSONNEL

Appendix G1.–Field personnel list, 2007.

Employee	Title	Duties and Location
Bob Murphy	FB III	Moffet Point to Cape Menshikof Area Salmon Management Biologist, North Peninsula Herring Management Biologist, in charge of salmon AWL data
Aaron Poetter	FB III	Southeastern District-Alaska Peninsula Area Salmon Management Biologist and South Peninsula/Aleutian Islands Areas Herring Management Biologist, Sand Point
James Jackson	FBII	Southeastern District-Alaska Peninsula Area Assistant Salmon Management Biologist and South Peninsula/Aleutian Islands Areas Assistant Herring Management Biologist, Sand Point
Philip Tschersich	FBII	Moffet Point to Cape Menshikof Assistant Area Salmon Management Biologist and North Peninsula Herring Assistant Management Biologist, Port Moller
Elisa Russ	FBII	Alaska Peninsula Area Assistant Salmon Management Biologist, Cold Bay
Daniel Doolittle	FBII	Alaska Peninsula Area Assistant Salmon Management Biologist, Cold Bay
Heather Finkle	FB II	Salmon Research Biologist
Steve Hakala	Pilot I	Pilot, Sand Point
Paul Horn	Pilot I	Pilot and Aircraft Mechanic, Chignik
Tracy Murtha	FB I	Port Moller Salmon Research/Management
Nicole Zeiser	FB I	Nelson River Weir
Amy Marsh	FWT III	Bear Lake Weir
Jason Manthey	FWT III	Ilnik River Weir
Christine Peterson	FWT III	Sandy River Weir
Shannon Spring	FWT III	Orzinski Weir
Meesha Murphy	FWT II	Port Moller Salmon Research/Management
Amanda Adams	FWT II	Sand Point Fish Ticket Clerk
Theresa Woldstad	FWT II	Orzinski Lake Weir
Byron Demola	FWT II	Ilnik River Weir
Matt Dias	FWT II	Nelson River Weir
Patrick Kimmel	FWT II	Sandy River Weir
Joshua Perry	FWT II	Bear River Weir