

SOUTH PENINSULA ANNUAL SALMON MANAGEMENT REPORT, 2002



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## ABSTRACT

The total commercial salmon harvest in the South Alaska Peninsula Area in 2002 was 6,399 chinook *Oncorhynchus tshawytscha*, 1,035,232 sockeye *O. nerka*, 202,717 coho *O. kisutch*, 2,170,376 pink *O. gorbuscha*, and 819,030 chum *O. keta* salmon. These harvests were well below the most recent 10-year average (1992-2001) for all species. The number of permit holders participating in the fishery was also well below average.

During the 2002 Shumagin Islands June fishery, 234,949 sockeye salmon and 177,606 chum salmon were harvested. The 2002 South Unimak June fishery harvest included 356,157 sockeye salmon and 201,211 chum salmon. The combined South Unimak and Shumagin Island June salmon harvest included 591,106 sockeye and 378,817 chum salmon.

The Southeastern District Mainland (SEDM) harvest through July 25 was 153,469 sockeye salmon. The estimated Chignik bound component of SEDM harvest was 63,026 sockeye salmon. This harvest constituted 6.0% (6.0% allocation) of the total Chignik bound sockeye salmon harvest through July 25. The total harvest for the Northwest Stepovak Section from July 1-25 (including Orzinski Bay) was 74,687 sockeye salmon.

Test fishing in the Shumagin Island Section on July 3 and July 4 indicated a low enough abundance of immature salmon to allow a fishery on July 6. Inseason monitoring of the seine fishery showed that the harvest of immature salmon was below the threshold for the entire post-June fishery.

The post-June non-terminal harvest from the South Peninsula during the July 6-21 period included 2,267 chinook, 78,001 sockeye, 83,074 coho, 100,141 pink, and 79,171 chum salmon. Additional fishing time was permitted in designated terminal areas as escapement warranted. The July 6-21 harvest from terminal areas included 4 chinook, 26,180 sockeye, 32 coho, 65,663 pink, and 4,288 chum salmon.

The July 22-31, non-terminal harvest from the South Peninsula included 449 chinook, 24,212 sockeye, 48,313 coho, 209,104 pink, and 28,167 chum salmon. Fishing effort in terminal areas was allowed as escapements warranted and salmon harvest included 0 chinook, 48,619 sockeye, 47 coho, 174,849 pink, and 6,319 chum salmon.

During August 2002, South Peninsula pink and chum salmon run strength was highly variable and there was relatively little fishing effort and weak markets. Total harvest during August included 691 chinook, 94,304 sockeye, 57,823 coho, 1,400,786 pink, and 295,740 chum salmon.

The weak salmon markets resulted in very little effort in the fall fishery (beginning September 1) outside of the Southeastern District. The salmon harvest for September and October in the South Peninsula Area included 0 chinook, 19,341 sockeye, 8,034 coho, 217 pink, and 7,776 chum salmon.

Escapements for sockeye, pink, and chum salmon were within or above the escapement ranges in most South Peninsula streams in 2002.

## INTRODUCTION

The Alaska Peninsula Salmon Management Area includes waters of the North Peninsula from Cape Mensehikof west to Cape Sarichef, and waters of the South Peninsula from Kupreanof Point west to Scotch Cap on Unimak Island (Appendix A.1). This report describes those commercial salmon fisheries located in South Peninsula waters, which are further divided into four districts: (1) the Southeastern District, consisting of waters between Kupreanof Point and McGinty Point; (2) the South Central District, consisting of waters between McGinty Point and Arch Point Light; (3) the Southwestern District, consisting of waters between Arch Point Light, False Pass, and Cape Pankof; and (4) the Unimak District, consisting of waters between Cape Pankof and Scotch Cap, including Sanak Island (Appendices A.2-A.6). The Southeastern District is further subdivided into two areas that have different management plans during part of the season; (1) the Shumagin Islands Section, consisting of the Shumagin Islands archipelago and (2) the Southeastern District Mainland (SEDM), consisting of Stepovak, Balboa, and Beaver Bays (Appendix A.3).

Five species of Pacific salmon are commercially harvested in the Alaska Peninsula Salmon Management Area (Area M): chinook salmon *Oncorhynchus tshawytscha*, sockeye salmon *O. nerka*, coho salmon *O. kisutch*, pink salmon *O. gorbuscha*, and chum salmon *O. keta*. Only Commercial Fisheries Entry Commission (CFEC) Area M purse seine, drift gillnet, and set gillnet permit holders are allowed to commercially harvest salmon in South Peninsula waters (ADF&G 2001). Drift gillnet gear is excluded from a portion of South Peninsula waters. Of those Area M permits that fished in 2002, most were utilized in South Peninsula waters at some time during the season. Only 42 of 121 available purse seine permits recorded landings in South Peninsula waters (lowest in over 32 years), as did 86 of 160 drift gillnet permits (lowest since 1975), and 70 of 113 set gillnet permits (lowest since 1988; Appendix A.7).

During recent years, most of the purse seine and set gillnet permit holders fished South Peninsula waters throughout the season, while most of the drift gillnet permit holders fished South Unimak waters during June and North Peninsula waters from July into September (Murphy et al. 2002). In South Peninsula waters, drift gillnet gear is only allowed by regulation in the Unimak District and the Ikatán Bay Section of the Southwestern District (Appendix A.8). Purse seine, hand purse seine, and set gillnet gear are permitted in most of the South Peninsula, however some additional gear restrictions do exist within specified areas.

The Alaska Department of Fish and Game (ADF&G) staff stationed at Sand Point and Cold Bay (Appendix A.2) manage the South Peninsula commercial salmon fisheries. In 1990, the Sand Point staff assumed responsibility for managing salmon fisheries in the Southeastern District. The rest of the South Peninsula salmon fisheries are managed from Cold Bay.

Tables and figures in this report are organized into five series of appendix tables. Appendix A contains area wide harvest, management, and geographic information in tables and maps. Appendix B contains harvest information specific to the South Unimak and Shumagin Islands June Fisheries. Appendix C includes harvest information specific to the Southeastern District Mainland Fishery. Appendix D contains harvest information concerning the South Peninsula post-June fishery. Appendix E includes information concerning salmon escapement in South Peninsula streams.

## *South Peninsula Areawide Information*

### **Introduction**

Commercial salmon fisheries in South Peninsula waters date back to at least 1888, when canneries were operated at Orzinski (Orzenoi) Bay and Thin Point Cove; however, catch records are not available prior to 1908 (Appendix A.9). Computerized fish ticket data has been available since 1970.

### **Historical Salmon Production, 1908-2001**

Historically, South Peninsula salmon production has fluctuated dramatically for all species. Pink and chum salmon are the most abundant salmon species in the South Peninsula (Appendix A.10). Since 1962, annual pink salmon catch and escapement (excluding June migrants) has ranged from a low of 149,421 in 1973 to a high of 22,530,258 in 1995 (Appendix A.11). Since 1962, annual chum salmon catch and escapement (excluding June migrants) has ranged from a low of 223,228 in 1975 to a high of 2,175,845 in 1994 (Appendix A.12).

From 1947-1977, South Peninsula annual harvests for all species (including migrants) averaged approximately 2,896,285 salmon composed of 2,567 chinook, 591,844 sockeye, 26,747 coho, 1,523,900 pink, and 751,226 chum salmon (Appendix A.9). From 1978 through 2000, the South Peninsula annual harvest averaged 10,507,144 salmon composed of 9,008 chinook, 2,249,059 sockeye, 257,739 coho, 6,672,991 pink, and 1,318,346 chum salmon. From 1992 through 2001, the South Peninsula annual harvest has averaged 11,142,325 salmon composed of 8,127 chinook, 2,387,950 sockeye, 238,634 coho, 7,380,768 pink, and 1,126,846 chum salmon (Appendix A.9).

### **Commercial Salmon Harvests for the 2002 Season**

The first South Peninsula commercial salmon landing in 2002 occurred on June 10, and the last landing was recorded on October 1 (Appendix A.13). The 2002 South Peninsula commercial harvest was 4,233,754 salmon composed of 6,399 chinook, 1,035,232 sockeye, 202,717 coho, 2,170,376 pink, and 819,030 chum salmon. The Southeastern District had the largest salmon harvest (2,033,745 or 48.0%), while the South Central, Southwestern, and Unimak Districts accounted for 590,541 (13.9%), 1,308,300 (30.9%), and 301,168 (7.1%) respectively (Appendix A.14). During 2002 in the South Peninsula, purse seine permit holders harvested 71.8% of the total harvest while drift gillnet permit holders harvested 10.7% and set gillnet permit holders harvested 17.5% (Appendix A.15). The specific openings and closures, as directed by emergency order, are summarized in Appendix A.16.

## *South Unimak and Shumagin Islands June Fisheries*

### **Introduction**

The first documented commercial harvests from the South Unimak and Shumagin Islands June fisheries occurred in 1911 (Appendices B.1 and B.2). Sockeye salmon bound for Bristol Bay were, and continue to be, the dominant stock harvested in these fisheries (Eggers et al. 1991). During the early to mid 1960s, the South Unimak and Shumagin Islands fisheries were open to commercial salmon fishing five days per week (Appendix B.3). From 1967 through 1971, the fisheries were open seven days per week regardless of the

Bristol Bay sockeye salmon run strength. Special regulatory meetings were held annually resulting in different regulations every year from 1972 through 1974.

In 1975, the Alaska Board of Fisheries (BOF) implemented an allocation plan in which the South Unimak and Shumagin Islands June fisheries would be granted an annual guideline harvest level (GHL) based on the projected Bristol Bay inshore sockeye salmon harvest. Based on historical catch data, 6.8% of the forecasted inshore Bristol Bay harvest was allocated to the South Unimak June fishery and 1.5% was allocated to the Shumagin Islands June fishery. Portions of the GHL were assigned to discrete time periods so that the harvest would be spread throughout June. Concerns over large chum salmon harvests in the early 1980s, and a weak fall Yukon River chum salmon run resulted in a chum salmon cap that, if reached, would close the fishery for the remainder of June. Since its inception in 1986, the chum salmon cap has been as high as 700,000 fish (1992-1997) and as low as 350,000 to 400,000 fish (1998-2000).

See Appendix B.3 for a summary of the regulatory history of the South Unimak and Shumagin Islands June commercial salmon fishery.

### **2002 Management Plan**

In the spring of 2001, the BOF modified the South Unimak and Shumagin Islands June salmon fishery management plan (Shaul et al. 2002a). These modifications included the elimination of the sockeye salmon GHL and the chum salmon cap. Fishing time for any gear group was reduced to a maximum of 16 hours per day. Fishing time by seine and drift gillnet gear was limited to a maximum of 48 hours in a floating seven day period with no more than two 16-hour periods on consecutive days in any seven day period (5 AAC 09.365).

From June 10 through June 24, set gillnet gear could fish on consecutive days for 16-hour fishing periods as long as the set gillnet sockeye to chum salmon ratio was above the recent 10-year average in each fishery. If the set gillnet sockeye to chum salmon ratio fell below the recent 10-year average in either of the fisheries (South Unimak or Shumagin Islands), that fishery was closed for one period. From June 10 through June 24, daily fishing periods for set gillnet gear were from 6:00 AM until 10:00 PM. Purse seine and drift gillnet fishing periods through June 24 occurred at the same time in the South Unimak and Shumagin Islands fisheries.

After June 24, in either the South Unimak or Shumagin Islands fisheries, if the ratio of sockeye to chum salmon, all gear combined, was 2:1 or less on any day, the next fishing period was six hours in duration for all gear groups in that fishery. If the ratio of sockeye to chum salmon was 2:1 or less for two consecutive fishing periods in either fishery, the season was closed for the remainder of June, for all gear groups. If the sockeye to chum salmon ratio was greater than 2:1, a six-hour fishing period could be extended to a maximum of 16 hours.

For further details on 2002 regulations refer to the 2001-2004 regulation book (ADF&G 2001). For further details on historical harvests and allocations, see Appendices B.4 - B.10. For a more detailed regulatory history, see Appendix B.3.

## **2002 Season Summary**

The season opened for all gear types with a 16-hour commercial fishing period on June 10. During the June South Unimak fishery, there were nine 16-hour fishing periods for purse seine and drift gillnet gear and eleven 16-hour periods for setnet gear. In the June Shumagin Island fishery, there were eight 16-hour periods and one 6-hour period for seine gear, and nine 16-hour periods and one 6-hour period for setnet gear. Set gillnet gear generally fished every other day in June because their sockeye to chum ratios were almost always below the most recent 10-year average.

The 2002 June fishery harvest and effort was below the most recent 10-year average (1992-2001), primarily because of low exvessel prices (Appendix B.4). A total of 181 permit holders of all three gear types combined, harvested 591,106 sockeye salmon and 378,817 chum salmon.

During the 2002 South Unimak June fishery, 119 permit holders harvested 356,157 sockeye and 201,211 chum salmon (Appendix B.9). Seventeen purse seine permit holders harvested 72,569 sockeye and 46,036 chum salmon (Appendix B.10), 86 drift gillnet permit holders harvested 254,657 sockeye and 145,079 chum salmon (Appendix B.11), and 16 set gillnet permit holders harvested 28,931 sockeye and 10,096 chum salmon (Appendix B.12).

During the 2002 Shumagin Islands June fishery, 64 permit holders harvested 234,949 sockeye and 177,606 chum salmon (Appendix B.13). Nineteen purse seine permit holders harvested 180,135 sockeye and 168,405 chum salmon (Appendix B.14), and 45 set gillnet permit holders harvested 54,814 sockeye and 9,201 chum salmon (Appendix B.15).

Purse seine permit holders harvested 20.4% of the sockeye and 22.9% of the chum salmon at South Unimak, and 76.7% of the sockeye and 94.8% of the chum salmon in the Shumagin Islands Section (Appendix B.16 through B.20). Drift gillnet permit holders harvested 71.5% of the sockeye and 72.1% of the chum salmon at South Unimak (Appendix B.17 and B.18). Set gillnet permit holders harvested 8.1% of the sockeye and 5.0% of the chum salmon at South Unimak, and 23.3% of the sockeye and 5.2% of the chum salmon in the Shumagin Islands Section (Appendix B.17 through B.20).

The June fisheries overall sockeye to chum salmon harvest ratios were about 1.8:1.0 at South Unimak and 1.3:1.0 in the Shumagin Islands Section (Appendix B.21). The overall ratio for both fisheries combined, was about 1.6:1.0. In the South Unimak fishery, the sockeye to chum salmon ratio was 1.6:1.0 for purse seine, 1.8:1.0 for drift gillnet, and 2.9:1.0 for set gillnet permit holders (Appendix B.22). In the Shumagin Islands fishery, the sockeye to chum salmon ratio was 1.1:1.0 for purse seine and 6.0:1.0 for set gillnet permit holders. In 2002, 36 purse seine, 86 drift gillnet, and 59 set gillnet permit holders fished commercially for salmon in the South Unimak and Shumagin Islands June fisheries (Appendix B.23).

### ***Southeastern District Mainland Fishery***

#### **Introduction**

The Southeastern District Mainland (SEDM) fishery takes place on the south side of the Alaska Peninsula, in Beaver, Balboa, and Stepovak Bays (Appendix C.1). Included in this fishery are the East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay

Sections. The BOF originally established the SEDM salmon management plan in 1985 and updated it in 1991, 1996, and 1998 (Appendix C.2; Campbell and Witteveen 1999; 5AAC 09.360). Fishery harvest averages that reflect the separate revisions of the management plan (i.e., 1985-91, 1992-95, 1996-97, and 1998-2000) are compared throughout Appendix C. Detailed historical harvest and allocation information are in Appendices C.3 through C.8. The original SEDM management plan was based on the Cape Igvak Salmon Management Plan in the Kodiak Management Area (KMA). The SEDM fishery is currently allocated 6% of the total sockeye salmon harvest through July 25, considered to be bound for the Chignik River systems.

### **Effort Levels**

Since 1978, set gillnet effort has generally increased in the SEDM fishery. The number of set gillnet permits fished through July 25 increased from 23 in 1978 to a high of 64 permits in 1993, 1996 and 2000 (Appendix C.5). Previously, many fishermen participated in both set gillnet and purse seine fishing, and initially received a limited entry permit for each gear type. During the late 1970s and 1980s, many of the multiple permit holders sold or transferred their set gillnet permit and retained their purse seine permit. This action increased effort in the SEDM fishery since many permits previously used part-time were now fished full-time. The number of SEDM set gillnet permits fished through July 25 averaged 59 from 1992-95, dropped to 45 during 1998 and increased to 64 in 2000 (Appendix C.5 and C.8). In 2002, 53 set gillnet permits were fished prior to July 25 in the SEDM, an increase of 2 permits from the previous year but 4 permits below the 1988-2001 average.

Purse seine effort through July 25 also fluctuated dramatically since 1986, and ranged from zero in 1994 to a high of 69 in 1990 (Appendix C.5 and C.8). The number of purse seine permits fished in the SEDM, through July 25, averaged 21 from 1992-95, dropped to 12 in 1997, increased to 27 in 1999 and declined to 12 in 2002 (Appendix C.8).

### **2002 Management Plan**

Under the 2002 SEDM management plan (5 AAC 09.360):

- 1) Prior to July 1, the SEDM was managed on an allocation based on the strength of the Chignik sockeye salmon runs as described in 5 AAC 09.360(a)(1) and (b)-(h) and 80% of the sockeye salmon caught will be considered Chignik bound. However, beginning July 1, all sockeye salmon caught in the Northwest Stepovak Section (NWSS) were considered 100% local fish and not counted toward the Chignik allocation. The NWSS, outside Orzinski Bay, could open to commercial salmon fishing during July 1 through July 25 if the Orzinski Lake sockeye salmon escapement goals were being met, and the Chignik Management Area (CMA) sockeye salmon harvest was expected to be more than 600,000 through July 25. The BOF mandated fishing schedule for the NWSS, excluding Orzinski Bay, from July 1 through July 25 would not exceed four days during a seven-day period. The maximum number of consecutive fishing days allowed was two.
- 2) Beginning July 1, Orzinski Bay was managed entirely on local stocks. The Stepovak Flats Section was to be managed for chum salmon returning to Stepovak Flats streams throughout the entire season. Eighty percent of the sockeye salmon caught in this section through July 25 were considered Chignik bound fish (Appendix C.1).

- 3) The BOF allocated 6% of the total Chignik bound sockeye salmon harvest through July 25 to the SEDM fishery. They established this percentage in 1996 in an attempt to maintain traditional harvest levels of Chignik-bound sockeye salmon in the SEDM fishery and to compensate for the increased area managed (the entire NWSS) for local Orzinski Lake sockeye salmon.
- 4) The BOF directed the department to consider an extension of the Kupreanof Point closed waters area, as described in 5 AAC 09.350 (37), through October 31, by emergency order (Appendix C.7). The Kupreanof Point closed waters extension remained in effect if the waters specified in 5 AAC 15.350(20) are closed to conserve coho salmon in the CMA.

The total Chignik sockeye salmon harvest through July 25 was calculated by adding 100% of the CMA sockeye salmon harvest, 90% of the Cape Igvak Section (KMA) and 80% of the SEDM sockeye salmon harvests through July 25, excluding 100% of the sockeye caught within the NWSS from July 1-25 (ADF&G 2001).

There are two distinct sockeye salmon runs into the Chignik Lakes system, the Black Lake and the Chignik Lake runs. The Black and Chignik Lakes sockeye salmon runs overlap (transition period) during late June through early July (Pappas et al. 2001). Scale pattern analysis is used inseason and post season for apportioning sockeye salmon to the stock of origin. In order to prevent overharvest of the second run during the transition, while the strength of the second run is being evaluated, the Cape Igvak and SEDM fisheries (except the NWSS beginning July 1) are usually closed. However, fishing could be allowed in the CMA to harvest excess first run (Black Lake) sockeye salmon, even though second run fish are present (Pappas and Daigneault 2002).

### **Local Stocks Fisheries**

***Northwest Stepovak Section.*** Prior to July 1, the entire SEDM, including the Northwest Stepovak Section, is managed on the basis of the strength of the Chignik Lakes sockeye salmon runs. The NWSS is managed on the strength of the Orzinski Lake sockeye salmon run from July 1 through July 25. However, the strength of Chignik Lakes sockeye salmon runs must be considered when establishing fishing periods in the NWSS through July 25. Beginning July 1, all sockeye salmon caught within the NWSS are considered to be Orzinski Lake stock. Eighty percent of those sockeye salmon caught through July 25 in the remainder of the SEDM fishery are considered to be from the Chignik Lakes system. After July 25, management of the area shifts to targeting predominately local pink salmon; however, other local stocks (sockeye, chum, and coho salmon) may be considered when establishing fishing periods.

Orzinski Lake sockeye salmon escapements were assessed using a weir from 1935 through 1941 and most recently from 1990 through 2002 (Appendix E.1). Orzinski Lake sockeye salmon escapement requirements were developed by time periods using historical aerial surveys and weir counts. The Orzinski Lake sockeye salmon escapement goal range is 15,000-20,000 adult fish (Nelson and Lloyd 2001). The escapement goal was first implemented during the 1991 season. From 1990 through 2000, the sockeye salmon escapement averaged about 27,000 salmon (25,000 adults), and ranged from a high of 40,000 in 1991 to a low of about 15,000 in 1990 and 1999 (Appendix E.1). Since 1990, July 10 has been the average date when 50% of the total escapement of adult sockeye salmon has been achieved.

***Stepovak Flats Section.*** Commercial salmon fishing in the Stepovak Flats Section was managed on the basis of chum salmon returning to Stepovak Flats streams. However, 80% of the sockeye salmon harvested in this section through July 25 were considered bound for the Chignik Lakes system, and were included in the 6.0% allocation criteria stated in the current SEDM salmon management plan (5 AAC 09.360). The entire Stepovak Flats Section is closed to salmon fishing by regulation beginning July 29 to protect schooling chum salmon, which are usually needed to achieve escapement objectives.

## **2002 Season Summary**

The 2002 preseason forecast for the total harvest of Chignik-bound sockeye salmon was 630,000 salmon for the first run (Black Lake) and 840,000 salmon for the second run (Chignik Lake; Pappas and Daigneault 2002). The forecast indicated that a fishery could occur in the SEDM targeting Chignik-bound sockeye salmon since a harvest of at least 600,000 sockeye salmon was expected in the CMA. Based on CMA sockeye salmon harvest, the entire SEDM opened to commercial salmon fishing for 106 hours at 6:00 AM on June 24. Between June 26 and July 25, the fleet fished outside the NWSS during two 48-hour periods.

A total of 153,469 sockeye salmon were harvested through July 25 in the entire SEDM, including the NWSS (Appendix C.10).

Between July 1-25, fishing effort in the SEDM but outside the NWSS, resulted in a harvest of 42,289 sockeye salmon, 80% of which were considered Chignik bound, during two 48-hour periods beginning July 10 and July 22. The total estimated Chignik component of the SEDM harvest was 63,026 sockeye salmon, which is 6.0% of the total CMA-bound sockeye salmon harvest through July 25 (Appendix C.4 and C.6). The 2002 NWSS sockeye salmon harvest from July 1-25 was 74,687 fish (Appendix C.9), all considered local by regulation, with 30,530 harvested in Orzinski Bay.

In 2002, the Orzinski Lake weir was operated from June 11-July 31 and 37,279 sockeye salmon were counted through the weir (Appendix E.2). By July 12, 50% of the total escapement of adult sockeye had passed the weir. An escapement of 5,570 additional sockeye salmon was estimated after the weir was pulled for the season. This produced a total estimated sockeye salmon escapement of 42,849 including 33,979 adult sockeye salmon counted during weir operations.

The 2002 SEDM annual salmon harvest (entire season) was 606 chinook, 234,420 sockeye, 32,201 coho, 603,667 pink, and 54,986 chum salmon (Appendix C.10). Purse seine permit holders harvested 112 chinook, 15,210 sockeye, 11,221 coho, 402,218 pink, and 21,211 chum salmon (Appendix C.11). Set gillnet permit holders harvested 494 chinook, 219,210 sockeye, 20,980 coho, 201,449 pink, and 33,775 chum salmon (Appendix C.12). The purse seine harvest accounted for 6.5% and set gillnet 93.5% of the 2002 SEDM sockeye salmon harvest (Appendix C.13).

## *South Peninsula Post-June Fisheries*

### **Introduction**

The South Peninsula post-June salmon fishery takes place in the Southeastern (excluding the Southeastern District Mainland through July 25), South Central, Southwestern, and Unimak Districts from July 1 through the end of the season (Appendix D.1).

Until 1974, the South Peninsula post-June salmon fishery was generally open five days per week, with a season closure on August 10 to allow adequate escapement and maintain product quality (McCullough 1995). During 1974 and 1975, the fisheries were severely restricted to rebuild pink salmon runs. From about 1976 to 1991, the salmon fisheries were managed by emergency order based on local stock run strength. From July 6 to about July 18, fishing periods were based on chum salmon run strength while from July 18 through about August 20 periods were based primarily on pink salmon, and in some areas on chum salmon run strength. Fishing continued into late August in years of strong pink salmon runs. Migratory salmon were also harvested during these openings, and in some years, contributed substantially to the total post-June harvest. Before 1992, South Peninsula waters east of Rock Island were opened to commercial salmon fishing about July 6, except in the SEDM fishery, which was managed through July 25 following a separate management plan (5 AAC 09.360; Appendix D.1). Beginning September 1, fishing periods were established by emergency orders based on local coho salmon run strength, and sometimes on chum salmon runs in certain locations (usually Volcano Bay).

In 1991, the BOF established the Post-June Salmon Management Plan for the South Alaska Peninsula (5 AAC 09.366; McCullough 1995). Under this plan, commercial salmon fishing from July 6-19 would be restricted to terminal fishing areas opened by emergency order, based on local stock run strength as determined by harvests and escapements. The balance of the South Peninsula, which during previous seasons had been open to fishing, would remain closed. The BOF decided that local pink and chum salmon could be caught in terminal areas early in the season, without sacrificing product quality, while still allowing migratory salmon to pass through South Peninsula waters. The terminal areas included Zachary Bay, the northern portion of Pavlof Bay, and the Cold Bay, Thin Point, Canoe Bay, and Morzhovoi Bay Sections (Appendix D.3). The BOF concluded that after July 19, South Peninsula fishermen needed to harvest pink salmon in their traditional cape fishing areas to maintain product quality. From July 20 until the close of the season, the entire South Peninsula could be opened to commercial salmon fishing by emergency order based on local run stock strength (except in the Southeastern District Mainland fishery through July 25; ADF&G 2001).

The Stepovak-Shumagin Setnet Association sued the BOF in early 1992, to stop the implementation of the Post-June Salmon Management Plan for the South Alaska Peninsula (5 AAC 09.366). On July 10, 1992 an injunction was granted staying the enforcement of the new management plan. On July 13, management of the post-June fisheries reverted back to pre 1992 regulations (Shaul et al. 1993).

In March 1993, the Alaska State Superior Court reconsidered the 1992 injunction staying the enforcement of the Post-June Salmon Management Plan. After reconsideration, the court agreed with the State of Alaska and reinstated the Post-June Salmon Management Plan. That version of the Post-June Salmon Management Plan was fully implemented during the 1993 through 1997 commercial fishing seasons (Shaul and Campbell, 1997).

## **2002 Management Plan**

In January 1998, the BOF made the following changes to the Post-June Salmon Management Plan:

1. For the period from July 6-21: six 24-hour fishing periods could be permitted, each fishing period must be followed by a closure of at least 48 hours in non-terminal locations outside of the Southeastern District Mainland (Appendix D.3). The terminal areas for July 6-21 included the northern portion of Pavlof Bay (north of the latitude of Black Point), the southern portion of Zachary Bay (282-35), and the Cold Bay, Morzhovoi Bay, Thin Point, and Canoe Bay Sections.
2. For the period from July 22-31: fishing time was limited in non-terminal areas, outside of the Southeastern District Mainland (prior to July 26), to three periods not to exceed 36 hours in duration and interspersed by closures of at least 48 hours. The terminal areas during the July 22-31 time period included the northern portion of Pavlof Bay (north of the latitude of Black Point), the southern portion of Zachary Bay (282-35), the Cold Bay, Morzhovoi Bay, Thin Point, Canoe Bay, Deer Island, Belkofski Bay, and Mino Creek-Little Coal Bay Sections, the Stepovak Flats Section from July 26-28, and the area near Suzy Creek (281-65) after July 25. The amount of fishing area considered “terminal” was increased during this period. Fishing in non-terminal areas could not begin before noon on July 23 (during this period; Appendix D.4).
3. A 60,000 coho salmon harvest cap was established for non-terminal areas during July 22-31. The BOF made only minor changes to the Post-June Salmon Management Plan for the South Alaska Peninsula in 2001. The BOF clarified the definition of immature salmon during the department’s immature test fishery in early July. For the purposes of the test fishery, immature salmon were defined as those chinook, sockeye, coho, and chum salmon that were gilled in the seine web during the test fishery. Also changed was the southern boundary of the Suzy Creek terminal harvest area. It was modified to be consistent with the southern boundary of the NWSS at 57°37.33’ N lat.

For this section of the report, non-conventional time periods are used to average harvest figures. The authors feel that these time periods better represent the historical nature of the South Peninsula post-June fisheries. The 1978 through 1992, 1993 through 1997, and 1998 through 2000 periods are used for most historical average harvests, and are compared to the 2002 harvests. The 1978-92 average harvests represent catches after Alaska salmon populations had recovered from low runs during the 1960s and early 1970s. The 1993-97 averages are used because during those years only a few terminal harvest areas were open in post-June fisheries from July 1-19. The current management plan, with a few minor modifications, went into effect in 1998.

## **Immature Salmon Concerns**

The 1991 BOF decision to allow commercial salmon fishing only in limited areas within South Peninsula waters was made partially due to concerns for immature chinook, sockeye, and chum salmon which are inadvertently gilled in normal purse seine gear fishing operations (McCullough and Shaul 1992).

The department first became aware of immature salmon catches in 1963. The presence of immature salmon in South Peninsula waters has warranted restrictions to commercial fishing in some years. These restrictions were applied to all gear types, in affected areas from late June into July in 1963, 1968, 1969, 1974, 1979, and for purse seine fishing only during the 1989-92, and 1999 seasons (Witteveen, et al. 2001).

High abundance of immature salmon has been most prevalent in the Shumagin Islands Section where the concern for catching immature salmon is restricted to purse seine gear. Under current regulations, seine mesh size may not exceed 3-1/2 inches except for the first 25 meshes above the lead line, which may not exceed 7 inches (ADF&G 2001). Set gillnet gear has larger mesh size (minimum of 5-1/4 inches) which allows immature salmon to pass through. After 1979, regulations were adopted curtailing purse seine fishing in affected areas (McCullough 1995). Immature salmon usually migrate out of the area by July 23, although in 1992 closures were necessary until July 29.

In 1990, an ADF&G test fishing program was instituted in the Shumagin Islands to determine the presence and abundance of immature salmon in South Peninsula waters prior to commercial fishing periods in July. In the Shumagin Islands Section, most purse seine fishing effort occurs in the near shore waters of Popof Island from Popof Head to Red Bluff, so test fishing sites were established in those areas (Appendix D.2).

In 1998, the BOF changed the earliest general opening date of the post-June fishery in non-terminal areas from July 20 to July 6. Before 1998, the department conducted a test fishing program in mid-July to assess the presence of immature salmon in the Shumagin Islands. Since 1998, the test fish program has been conducted in early, instead of mid July.

## **2002 Season Summary**

The test fishing results on July 3 and 4 indicated that the abundance of immature salmon (Appendix D.5) was below the regulatory threshold of 100 per set that would necessitate a restriction in fishing (ADF&G 2001). The South Peninsula fishery was opened to seine and gillnet gear on July 6. Inseason monitoring of the seine fishery showed that the harvest of immature salmon was below the threshold for the entire fishery.

In accordance with the 2002 Post-June Salmon Management Plan for the South Alaska Peninsula (Shaul et al. 2002b) and exclusive of the SEDM fishery, most of the South Peninsula opened to commercial salmon fishing on July 6 for 21 hours, from 12:01 AM until 9:00 PM. The five subsequent fishing periods in non-terminal areas through July 21 were for 24 hours each from 9:00 PM until 9:00

PM. The July 6 through July 21 commercial salmon harvest from non-terminal areas was composed of 2,267 chinook, 78,049 sockeye, 83,166 coho, 100,433 pink, and 79,233 chum salmon (Appendix D.6). The 2002 South Peninsula July 6-21 salmon harvest from terminal areas was 4 chinook, 26,180 sockeye, 32 coho, 65,663 pink, and 4,288 chum salmon (Appendix D.6).

From July 22-31, commercial salmon fishing in the South Peninsula, in non-terminal areas and outside the SEDM from July 22-25, may be allowed for a maximum of three 36-hour fishing periods interspersed by 48-hour closures. In addition, a 60,000 coho salmon harvest cap was in effect from July 22-31 in the entire South Peninsula except for those areas designated as terminal harvest locations and the SEDM through July 25.

Historically, large numbers of coho salmon have been caught during late July in South Peninsula fisheries. Due to the high coho salmon harvests between June 6 and June 21, the department anticipated the 60,000 coho salmon cap could be surpassed in a 36-hour fishing period. Therefore the first fishing period under the cap, on July 23, was set at only 24 hours. When it became apparent that the coho catch rates had decreased significantly, the period was extended 6 hours for a total length of 30 hours. During this period, 17,818 coho salmon were caught in the non-terminal areas of the South Peninsula (Appendix D.7). Most of these were caught in the Shumagin Islands. The department anticipated that the cumulative coho salmon catch in non-terminal areas during the subsequent fishing periods would remain below the 60,000 coho salmon. A full 36-hour fishing period on July 26-27 in non-terminal areas outside of the Shumagin Island Section was allowed. This fishing period resulted in 16,925 coho salmon in the harvest, which brought the cumulative coho salmon catch during the July 22-31 period to 34,743 coho salmon. Due to the lower harvest rate of coho salmon in the second opening, a third 36-hour opening was allowed in non-terminal areas on July 30. The coho salmon harvest during this opening was 13,478 fish bringing the cumulative harvest in non-terminal areas since July 22 to 48,221 coho salmon (Appendix D.7).

The entire South Peninsula (including the SEDM catches from July 26-31) non-terminal harvest during July 22-31 included 449 chinook, 24,164 sockeye, 48,221 coho, 208,812 pink, and 28,105 chum salmon (Appendix D.7). The South Peninsula (including the SEDM terminal areas after July 25) terminal area harvest during July 22-31 included 0 chinook, 48,619 sockeye, 47 coho, 174,849 pink, and 6,319 chum salmon (Appendix D.7).

During August 2002, pink and chum salmon escapements in the South Peninsula were generally adequate and there was relatively little harvest effort and weak markets. The last day a market was available for pink salmon was August 21 and the last delivery in August was on August 23. Total harvest during August included 691 chinook, 94,304 sockeye, 57,823 coho, 1,400,786 pink, and 295,740 chum salmon (Appendix D.8).

The South Peninsula fall fishery opens September 1 and commercial salmon fishing periods are primarily based on local coho salmon catch per unit effort (CPUE) and in some areas on late chum salmon runs. From 1992 through 2001, the South Peninsula fall fishery harvest averaged 120,345 salmon composed of 21 chinook, 57,662 sockeye, 25,872 coho, 2,771 pink, and 34,019 chum salmon (Appendix D.9).

In 2002, the weak salmon markets resulted in little effort in the fall fishery outside of the Southeastern District. The salmon harvest for September in the South Peninsula included 0 chinook, 19,341 sockeye, 8,034 coho, 217 pink, and 7,776 chum salmon with the last delivery of the season occurring on October 1.

The 2002 South Peninsula (minus the SEDM July 1-25 harvest) post-June (July 1-October 1) commercial salmon harvest was composed of 3,411 chinook, 290,657 sockeye, 197,323 coho, 1,950,760 pink, and 421,461 chum salmon (Appendix D.10).

### **Commercial Salmon Effort Levels and Harvests, July 1-October 31**

South Peninsula post-June fishing periods are primarily justified on local pink and chum salmon run strengths. However, fishing time in the SEDM (after July 25), Thin Point Cove, Morzhovoi Bay, and fall fisheries are also determined by the strength of local sockeye and coho salmon runs.

The number of CFEC permits fished in South Peninsula waters (including the SEDM) during the period from July 1-October 31 more than doubled between 1978 (123 permits) and 1989 (274 permits; Appendix D.11). However, the number of active permit holders declined steadily from the peak year of 1989 (274) to a low in 1997 (168) with a slight increase in 1998 (209) followed by a declining trend. In 2002, 116 CFEC permits were fished between July 1-October 31, which is a 34% decrease in effort from the 2001 fishery when 177 permit holders participated in the fishery.

The South Peninsula, including the SEDM, post-June average harvests of sockeye have increased from 521,634 in the 1978-1992 period to 605,449 in 1993-1997, and 848,615 in 1998-2001, while the chinook, coho, pink, and chum salmon average harvests have generally decreased (Appendix D.11). The South Peninsula post-June total salmon harvest declined dramatically in 1996. All harvests (except sockeye salmon due to a large catch in the SEDM) generally declined even further in 1997, increased in 1998 and 1999, declined slightly in 2000, and increased slightly in 2001. The 2002 South Peninsula post-June (July 1-end of season; including SEDM July 1-25) total harvest was 3,144,853 salmon and was composed of 3,724 chinook, 407,633 sockeye, 202,712 coho, 2,093,251 pink, and 437,533 chum salmon (Appendix D.11).

**Chinook** The 2002 South Peninsula post-June chinook salmon harvest of 3,724 fish was less than the 1978-92 average of 4,004 salmon, and above the 1993-97, and 1998-2001 respective average harvests of 2,314, and 1,963 salmon (Appendix D.12). The largest chinook salmon harvest of 12,833 fish occurred in 1983.

**Sockeye** The 2002 South Peninsula post-June sockeye salmon harvest of 407,633 fish was less than the 1978-92 average harvest of 521,634 fish, the 1993-97 average harvest of 605,413 fish, and the 1998-2001 average harvest of 848,615 fish (Appendix D.13). The largest sockeye salmon harvest of 1,403,036 salmon occurred in 1999.

**Coho** Historically, South Peninsula coho salmon catches have demonstrated long periods of varying abundance. From 1923-1946, coho salmon catches fluctuated but maintained a relatively high level. From 1947-1958, the average was about one third of the 1923-46 harvest level. The 1959-77 harvests were very low, with only 66 coho salmon caught in 1975 (from 1970 through 1977 only limited fishing periods occurred due to weak pink salmon runs). After 1977, coho salmon harvests increased substantially, as Alaska salmon stocks began to recover from low runs during the 1960s and 1970s, and averaged 260,663 fish from 1982-2001 (Appendix D.14). The largest coho salmon catch was 505,278 in 1988.

The 2002 South Peninsula post-June coho salmon harvest of 202,712 fish was below the 1978-92 and 1993-97 average harvests of 277,093 and 219,104 fish, and slightly below the 1998-2001 average harvest of 203,478 fish (Appendix D.14).

***Pink*** Pink salmon are the most abundant salmon species produced in South Peninsula streams (Murphy 1992, McCullough 1995). The 2002 South Peninsula post-June pink salmon harvest of 2,093,251 fish was well below the respective 1978-92, 1993-97, and 1998-2001 average harvests of 5,728,901, 7,224,701, and 5,785,353 fish (Appendix D.15). The largest pink salmon harvest of 16,123,733 fish occurred in 1995.

During 1996-2002, very low prices and smaller than expected pink salmon runs led to reduced fishing effort and a reduction of pink and chum salmon harvests. The 2002 post-June pink salmon harvest of 2,093,251 fish was well below the 6,000,000 fish harvest projection. Low prices and limited markets continued to restrict pink salmon harvests. Future pink and chum salmon harvests may continue to be limited by low prices and lack of markets, rather than the availability of fish.

***Chum*** Chum salmon are the second most abundant salmon species produced in South Peninsula streams (Murphy 1992, McCullough 1995). The 2002 South Peninsula post-June chum salmon harvest of 437,533 fish was less than half the 1978-92 average harvest of 919,953 salmon, and well below the respective 1993-97 and 1998-2001 average harvests of 794,965 and 680,345 salmon (Appendix D.16). The largest chum salmon harvest of 1,593,590 fish occurred in 1994, and is attributed to an exceptionally large return of late run chum salmon in the Volcano Bay Section of the Southwestern District. During 2002, low prices and limited markets continued to result in under utilization of chum salmon stocks.

### ***Shumagin Islands Section 2002 Post-June Harvest Summary***

A weak market and low prices resulted in reduced fishing effort and harvest in 2002, especially in early July. The 2002 Shumagin Islands Section post-June (July 1-October 1) salmon harvest of 650,837 fish was composed of 3,333 chinook, 69,374 sockeye, 149,896 coho, 318,236 pink, and 109,998 chum salmon (Appendix D.17). The 2002 Shumagin Islands post-June chinook salmon harvest of 3,333 fish was well above the 1993-1997 average harvest of 1,502 fish and the 1998-2001 average harvest of 1,611 fish. The 2002 Shumagin Island post-June sockeye salmon catch of 69,374 fish was well below the 1993-97 and 1998-2001 respective average harvests of 168,951 and 366,878 fish. The post-June coho salmon harvest of 149,896 fish was above the 1993-97 and 1998-2001 respective average harvests of 136,035 and 136,804 fish. The 2002 Shumagin Islands post-June pink salmon catch of 318,236 fish was well below the 1993-97 and 1998-2001 average respective harvests of 2,133,313 and 1,839,325 fish. The 2002 post-June chum salmon harvest of 109,998 fish was well below both the 1993-97 average harvest of 166,888 fish and the 1998-2001 average of 191,851 fish.

From the mid-1970s through 1989, effort levels and the number of landings increased for all gear types in the Shumagin Islands Section post-June fishery and generally have declined since (Appendix D.17). Both effort levels and the number of landings declined during the 1996 and 1997 seasons, but increased slightly during 1998 through 2000. Effort levels averaged 105 permits from 1993 through 1997, and 100 permits from 1998 through 2001. During the 2002 season, only 56 permit holders participated in the Shumagin Islands Section post-June fishery.

### ***Southeastern District 2002 Post-June Harvest Summary***

The Southeastern District (minus the SEDM July 1-25) post-June harvests from 1978-92 averaged 3,173 chinook, 309,200 sockeye, 218,147 coho, 2,656,108 pink, and 427,796 chum salmon (Appendix D.18). The 1993-1997 harvests averaged 1,814 chinook, 298,438 sockeye, 170,147 coho, 3,179,405 pink, and 246,479 chum salmon. Much of the increased harvest was the result of a record harvest of almost 7,400,000 pink salmon in 1995. However, the 1996 and 1997 Southeastern District pink salmon runs were much lower than projected and fishing periods were limited in the post-June fisheries. The pink salmon runs increased during 1998 and 1999, decreased in 2000, and increased again in 2001. The 2002 Southeastern District (minus the SEDM July 1-25) post-June salmon harvest was 1,255,196 salmon and was composed of 3,394 chinook, 150,325 sockeye, 176,707 coho, 778,538 pink, and 146,232 chum salmon.

The 2002 Southeastern District fall fishery opened on September 1 and the last landing occurred on October 1. The 2002 Southeastern District fall fishery harvest was 0 chinook, 19,341 sockeye, 8,021 coho, 2 pink, and 276 chum salmon (Appendix D.19). Harvests of all species were well below the most recent 10-year (1992-2001) average. During the fall fishery, the Alaska Fishery Development Foundation (AFDF) administered a targeted marketing program for Alaska Peninsula salmon ('Wild Aleutia') funded with grant money received by the Aleutians East Borough. AFDF purchased bled and iced sockeye salmon from set gillnet fishermen in the Southeastern District for up to \$1.00 per pound.

### ***South Central, Southwestern, and Unimak Districts 2002 Post-June Harvest Summary***

The 2002 South Central, Southwestern, and Unimak Districts combined post-June harvest of 1,608,416 salmon was composed of 17 chinook, 140,332 sockeye, 20,616 coho, 1,172,222 pink, and 275,229 chum salmon (Appendix D.20). The 2002 harvest for all species of salmon was below the most recent 10-year (1992-2001) average. Weak to non-existent markets and declining fish quality resulted in declining harvest efforts in August. Beginning September 1, the fall fishing season began in the South Central, Southwestern, and Unimak Districts, but the level of fishing effort was so low, due to the lack of a market, that confidentiality requirements prohibit disclosing the harvest (Appendix D.21). The last delivery of the season in the South Central, Southwestern, and Unimak Districts was on September 2.

## *Salmon Escapements*

### **Introduction**

There are approximately 224 salmon spawning systems in the South Peninsula area, with sockeye salmon found in 37, pink salmon in at least 204, chum salmon in 136, and coho salmon in 81 streams (McCullough 2001). Most salmon escapements are monitored by aerial observations using small fixed-wing aircraft. The coho salmon escapement count is incomplete because budget restrictions and adverse weather conditions limit late season aerial survey opportunities. The Orzinski Lake system is monitored with a fish weir operated by ADF&G employees. Foot surveys are also conducted in certain areas. Salmon escapements, except for the sockeye salmon systems (Appendix E.1) of Orzinski Lake, Thin Point Lake, Mortensen's Lagoon, and Middle Lagoon (where estimated total escapement are used) are estimated using an indexed total escapement method (Appendix E.3).

Alaska salmon production was low during the 1960s and early 1970s. The Alaska salmon runs began to rebuild in the mid-1970s and most Alaska Peninsula salmon escapements recovered by 1977. Therefore, the 1962-76 and 1977-2001 time periods will be used for comparison of 2002 escapements to better represent average historical escapements. From 1962 through 1976, the South Peninsula total indexed salmon escapement averaged 1,280,100 fish composed of 27,813 sockeye, 957,887 pink, and 294,400 chum salmon (Appendix E.4). From 1977 through 2001, the South Peninsula total indexed salmon escapement averaged 3,633,317 salmon composed of 79,240 sockeye, 2,953,299 pink, and 547,168 chum salmon. There are no chinook salmon spawning streams along the South Peninsula waters and coho salmon escapement data are not collected annually for many locations.

It is beyond the scope of this report to publish detailed escapement goals for each species and the methodology for their development. Additional information on escapement goals and escapements by stream or district used in the following discussion can be found in Nelson and Lloyd (2001) and Bouwens et. al. (2002).

### **Escapement by Species**

***Sockeye*** The 2002 South Peninsula estimated total sockeye salmon escapement of 192,749 fish was the highest on record (Appendix E.4 and E.5) and well above the escapement goal range of 62,250 to 115,200 salmon.

In 2002, ADF&G personnel operated a fish weir at Orzinski Lake to enumerate salmon escapements. Orzinski Lake is located in the Southeastern District and had an adult sockeye salmon escapement of 39,056 fish (based on weir and aerial counts; Appendix E.2), which exceeded the upper end of the 15,000 to 20,000 escapement goal range. Thin Point Lake in the Southwestern District had an estimated sockeye salmon escapement of 51,000 fish, based on aerial counts, which was well above the upper end of the 14,000 to 28,000 escapement goal range. Middle Lagoon, also located in the Southwestern District, had an estimated sockeye salmon escapement of 39,000 fish (based on aerial counts), which was above the 16,000 to 32,000 fish escapement range.

The United States Fish and Wildlife Service installed and operated a weir at Mortensen's Lagoon in 2002 (Whitton 2002). The weir was operated from June 25 through October 22 and counted a total of 5,205 sockeye salmon and 6,406 coho salmon (Appendix E.9).

**Coho** The 2002 South Peninsula coho salmon indexed escapement was not calculated due to limited survey data. A total of 100,500 coho salmon were counted in 55 streams on the South Peninsula in 2002. However many streams were not surveyed, only surveyed once, or were not surveyed during times of peak abundance. During 1994-2001, Thin Point Lake was the only major coho producing area consistently surveyed for coho salmon. The highest aerial survey count of coho salmon in 2002 for Thin Point Lake was 18,000 fish (Appendix F.1) which was well above the escapement goal range of 3,000 to 6,000 salmon.

**Pink** The 2002 South Peninsula total indexed pink salmon escapement of 3,762,800 fish was above the even-year escapement goal range of 1,864,600 to 3,729,300 fish (Appendix E.4 and E.7). From 1982-2001, the pink salmon indexed escapement ranged from 851,200 in 1983 to 6,406,300 in 1995 (Appendix E.4). From 1992-2001, the South Peninsula total pink salmon indexed escapement averaged 3,963,458 fish (Appendix E.4).

**Chum** The 2002 South Peninsula total indexed chum salmon escapement of 602,750 fish was near the recent 10-year average of 619,791 fish and was within the escapement goal range of 335,400 to 670,800 fish (Appendix E.4 and E.7). From 1982-2001, the chum salmon indexed escapement has ranged from 310,500 fish in 1989 to 809,050 fish in 1997 (Appendix E.4).

### **Escapement by District**

The 2002 Southeastern District indexed total escapement was composed of 58,849 sockeye, 1,088,450 pink, and 204,150 chum salmon (Appendix E.8; coho salmon data are not available). The 2002 sockeye escapement was above the upper goal (23,200 salmon) for the Southeastern District streams. The pink salmon escapement was near the upper end of the escapement goal range of 562,600 to 1,125,300 fish for the Southeastern District streams (Nelson and Lloyd 2001). The 2002 chum salmon escapement was within the escapement goal range of 111,200 to 222,400 fish for Southeastern District streams.

The 2002 South Central District indexed escapement was 10,600 sockeye, 1,020,000 pink, and 129,400 chum salmon (Appendix E.8). Sockeye salmon escapement was above the escapement goal range of 3,600 to 7,200 fish (Nelson and Lloyd 2001). Pink and chum salmon escapements were within respective escapement goal ranges of 687,200 to 1,374,400 fish (even year) pink salmon and 89,800 to 179,600 chum salmon.

The 2002 Southwestern District indexed escapement was 118,100 sockeye, 1,631,450 pink, and 268,000 chum salmon (Appendix E.8). The pink salmon escapement was well above the even-year upper end of the escapement goal of 1,127,200 fish. All salmon streams on Deer Island had extremely

large escapements, well above escapement goal objectives (Appendix F.1) which increases the possibility of poor fresh water survival of offspring resulting in a smaller return to those streams in 2004. The sockeye salmon escapement was well above the upper goal of 73,200 fish. The chum salmon escapement was just above the upper goal of 266,800 fish.

The 2002 Unimak District indexed escapement of 5,200 sockeye salmon was within the escapement goal range of 4,800 to 9,600 fish (Appendix E.8; Nelson and Lloyd 2001). Indexed pink salmon escapement was 22,900 fish and was below the even-year escapement goal range of 51,000 to 102,400 fish. The indexed chum salmon escapement of 1,200 fish was within the escapement goal range of 800 to 1,600 fish.

A separate report summarizes the Alaska Peninsula Management Area escapement and catch-sampling program, which annually samples salmon catch and escapement for biological characteristics (Bouwens et al. *in press*). Also, annual salmon management plans provide overviews of the management of South Alaska Peninsula (Shaul et al. 2002a; Shaul et al. 2002b; and Burkey and Campbell 2002), Aleutian Islands and Atka-Amlia Management Areas (Shaul 2002), and the North Alaska Peninsula (Murphy and Shaul 2002) commercial, subsistence, and personal use salmon fisheries.

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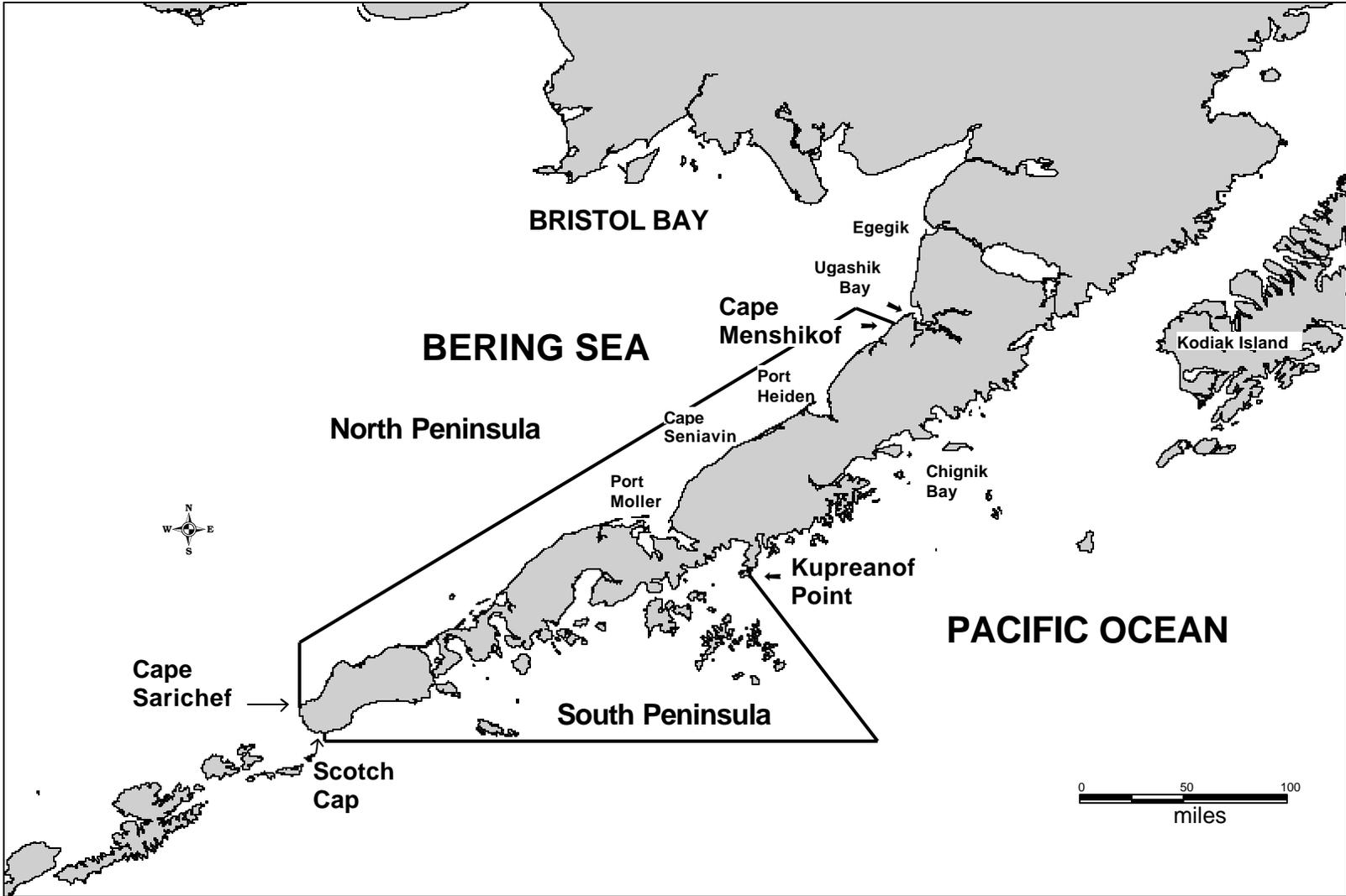
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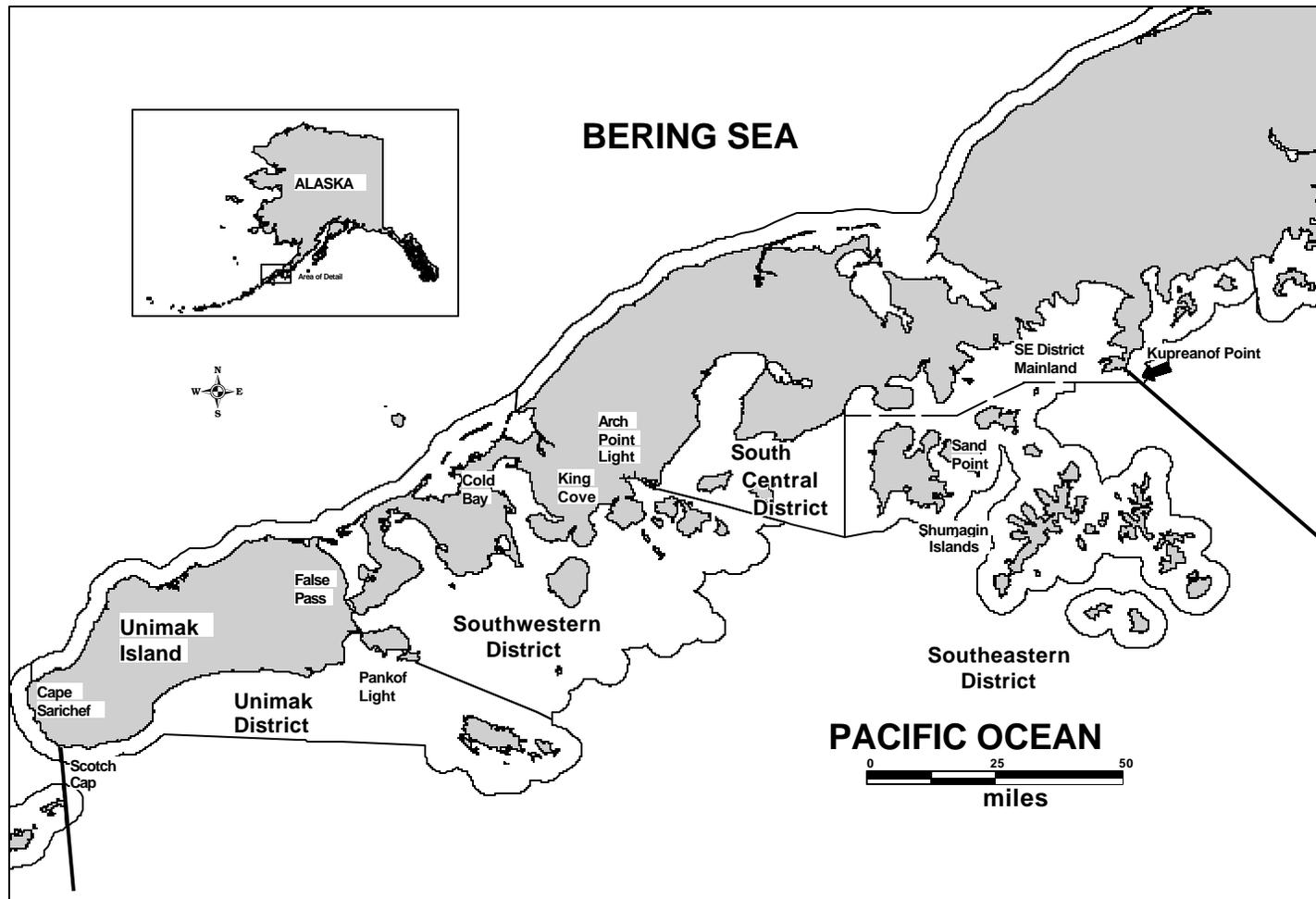
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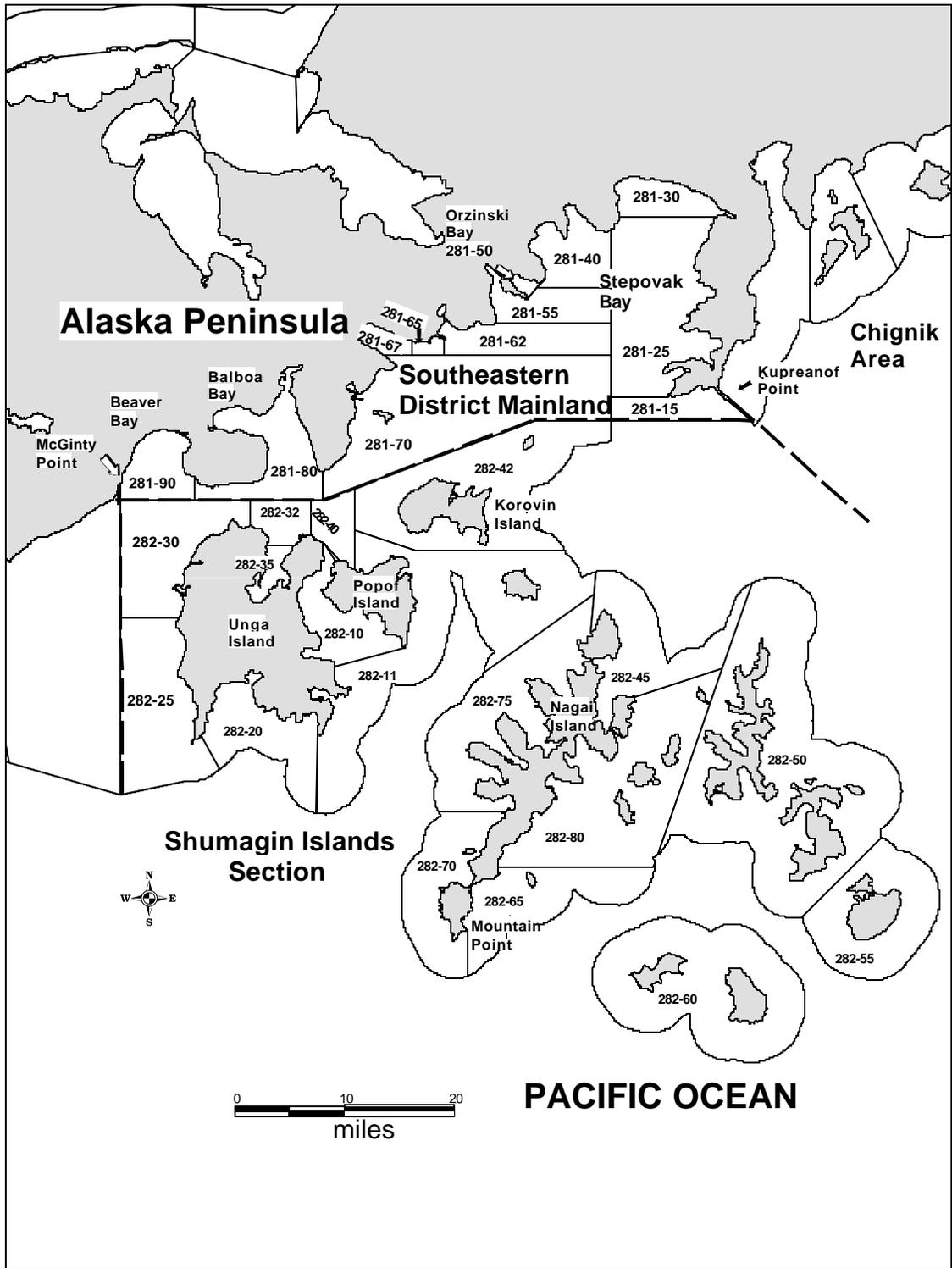
## **APPENDIX**



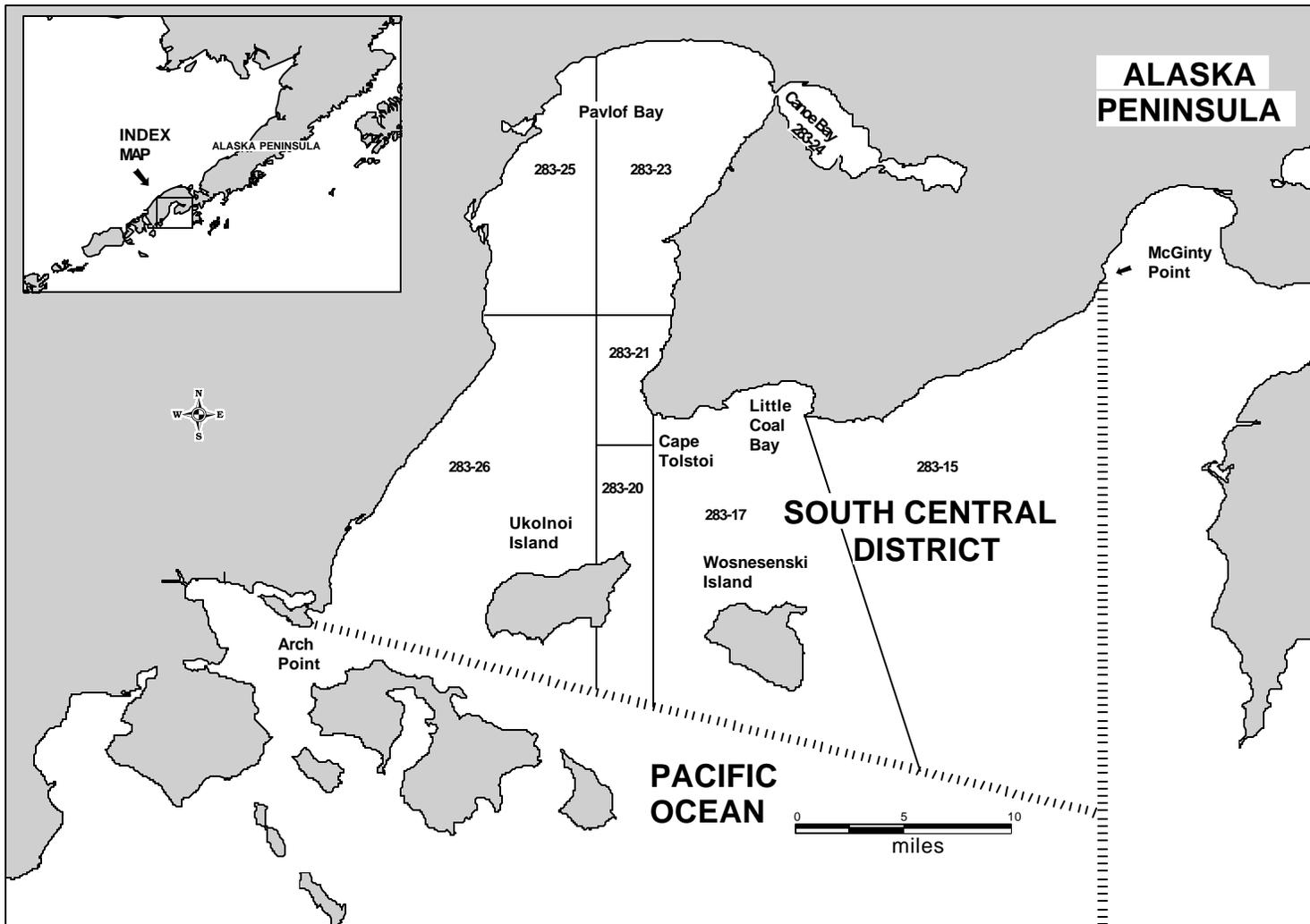
Appendix A.1. Map of the Alaska Peninsula Management Area with the North and South Peninsula defined.



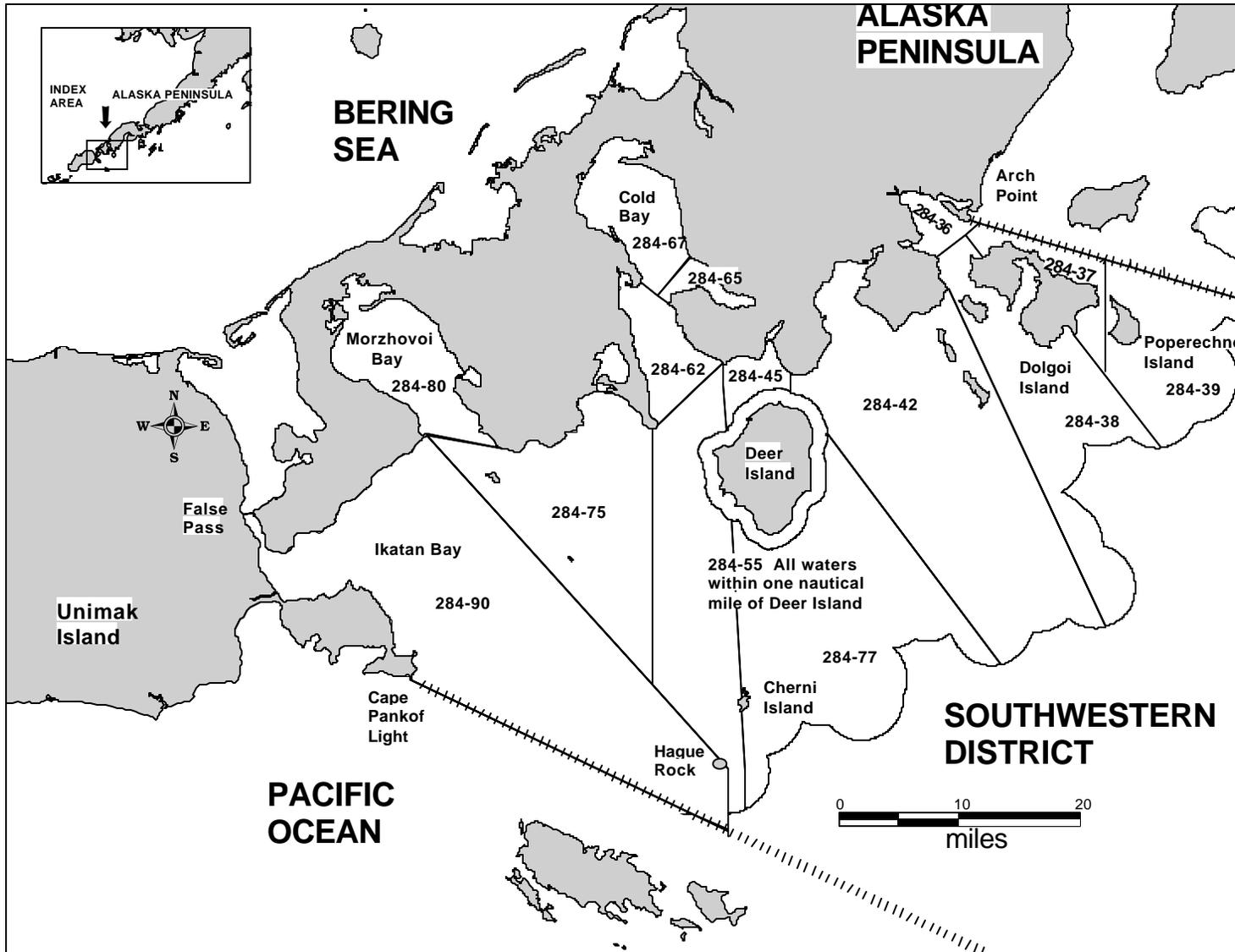
Appendix A.2. Map of the Alaska Peninsula Management Area from Kupreanof Point to Scotch Cap with the South Peninsula salmon fishing districts defined.



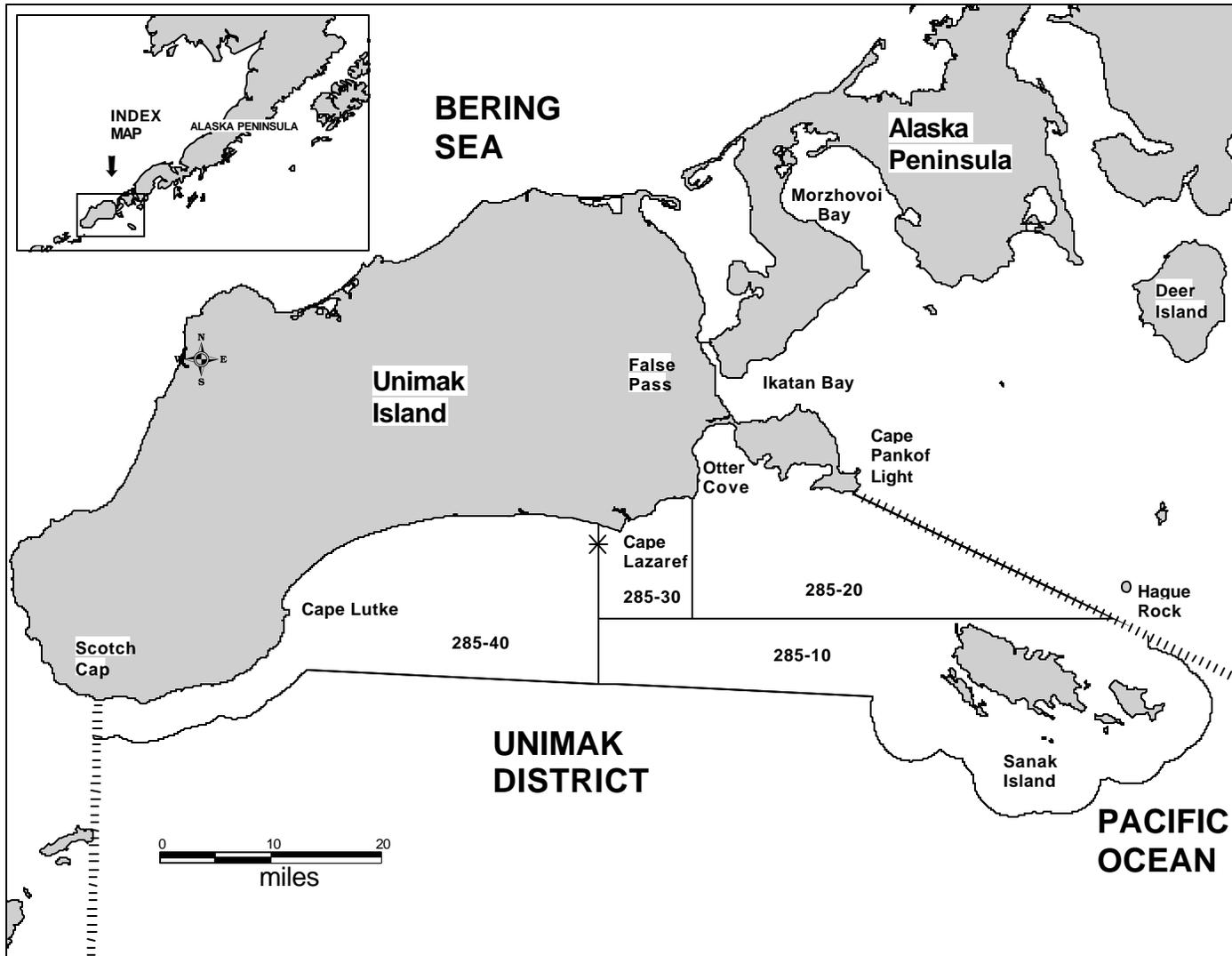
Appendix A.3. Map of the Alaska Peninsula Area from Kupreanof Point to McGinty Point (Southeastern District) with the statistical salmon fishing areas shown.



Appendix A.4. Map of the Alaska Peninsula from McGinty Point to Arch Point (South Central District) with the statistical salmon fishing areas shown.



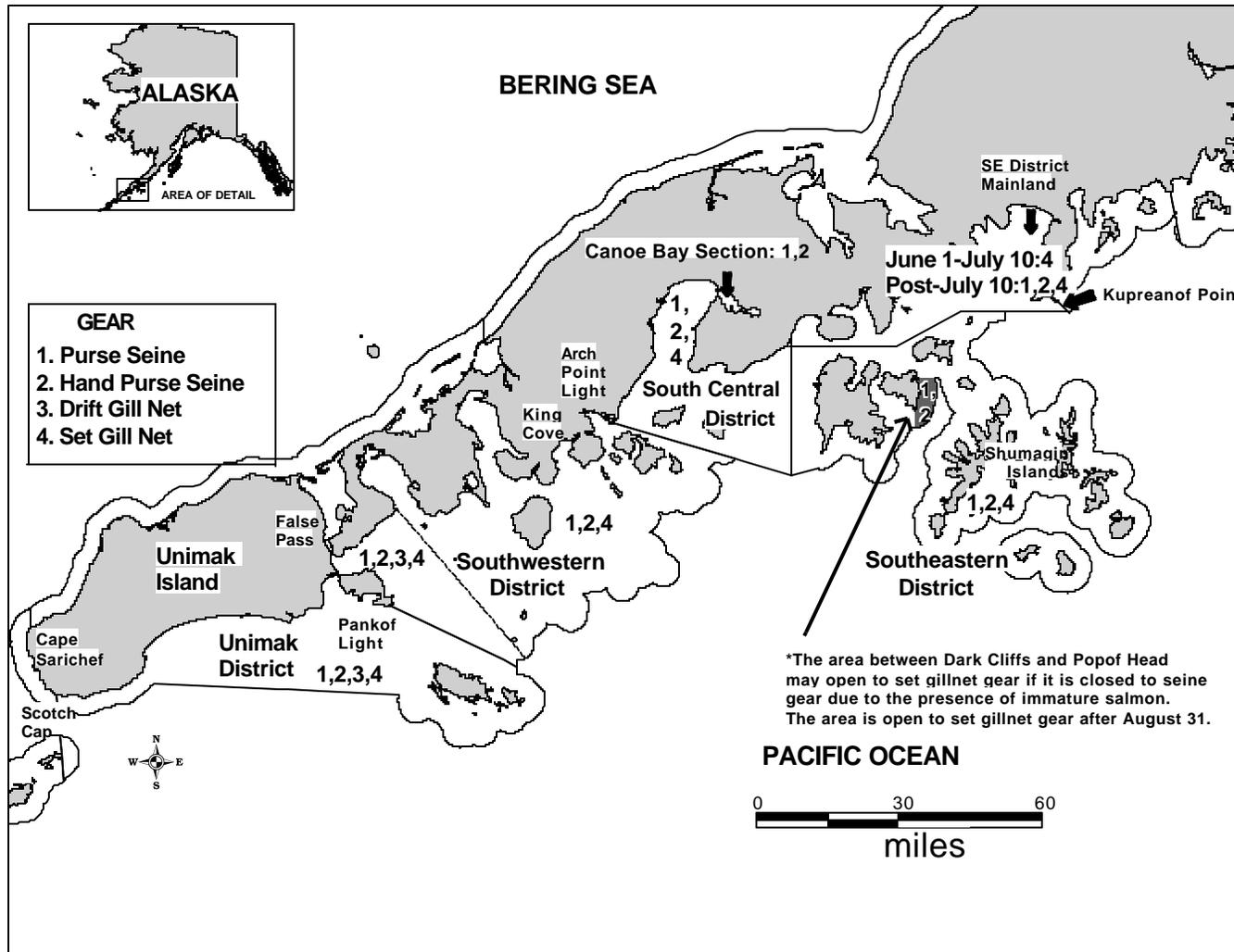
Appendix A.5. Map of the Alaska Peninsula Area from Arch Point to Cape Pankof Light (Southwestern District) with the statistical salmon fishing areas shown.



Appendix A.6. Map of the Alaska Peninsula Area from Cape Pankof Light to Scotch Cap (Unimak District) with the statistical salmon fishing areas shown.

Appendix A.7. Number of actively fishing limited entry permits in the South Peninsula, 1970-2002.

Year	Purse Seine	Drift Gillnet	Set Gillnet
1970	108	157	30
1971	113	122	24
1972	90	151	25
1973	55	121	26
1974	46	46	42
1975	52	81	12
1976	89	108	24
1977	84	101	26
1978	101	120	30
1979	123	137	46
1980	114	129	45
1981	116	135	53
1982	115	138	52
1983	118	147	59
1984	121	147	66
1985	122	150	64
1986	119	156	60
1987	113	145	69
1988	112	148	70
1989	117	147	76
1990	118	154	81
1991	119	157	78
1992	119	142	79
1993	123	144	86
1994	118	145	79
1995	118	151	82
1996	102	147	82
1997	82	142	82
1998	79	145	86
1999	74	153	82
2000	76	149	84
2001	64	99	78
2002	42	86	70
1992-2001 Average	96	142	82



Appendix A.8. Map of Alaska Peninsula Management Area from Kupreanof Point to Scotch Cap with the legal gear types by district shown.

Appendix A.9. South Peninsula salmon catch and escapement by species and year, 1962-2002.

Year		Chinook <sup>a</sup>	Sockeye <sup>a</sup>	Coho <sup>a,b</sup>	Pink <sup>a</sup>	Chum <sup>a</sup>
1962	Catch	3,300	420,000	12,500	1,965,400	824,800
	Escapement	0	18,800	-	1,598,800	399,400
	Total	3,300	438,800	-	3,564,200	1,224,200
1963	Catch	1,900	204,400	16,500	2,367,700	461,300
	Escapement	0	23,000	-	1,317,900	446,700
	Total	1,900	227,400	-	3,685,600	908,000
1964	Catch	2,000	370,800	13,600	2,740,300	751,000
	Escapement	0	15,700	-	1,436,400	454,800
	Total	2,000	386,500	-	4,176,700	1,205,800
1965	Catch	2,100	915,700	34,200	2,884,100	556,400
	Escapement	0	12,100	-	1,035,400	228,000
	Total	2,100	927,800	-	3,919,500	784,400
1966	Catch	1,400	606,200	6,300	305,800	494,400
	Escapement	0	17,000	-	719,400	422,000
	Total	1,400	623,200	-	1,025,200	916,400
1967	Catch	1,600	294,100	2,900	78,300	245,200
	Escapement	0	16,200	-	445,500	182,900
	Total	1,600	310,300	-	523,800	428,100
1968	Catch	1,400	699,800	31,100	1,287,100	325,300
	Escapement	0	12,800	-	823,300	279,100
	Total	1,400	712,600	-	2,110,400	604,400
1969	Catch	1,900	912,800	10,900	1,219,100	389,200
	Escapement	0	29,500	-	2,474,900	134,600
	Total	1,900	942,300	-	3,694,000	523,800
1970	Catch	1,806	1,799,525	32,571	1,737,985	993,349
	Escapement	0	16,500	-	1,298,900	280,500
	Total	1,806	1,816,025	-	3,036,885	1,273,849
1971	Catch	2,174	716,087	16,907	1,445,031	1,365,957
	Escapement	0	19,400	-	702,700	343,200
	Total	2,174	735,487	-	2,147,731	1,709,157
1972	Catch	1,332	557,422	8,021	78,221	731,814
	Escapement	0	11,900	-	111,400	254,500
	Total	1,332	569,322	-	189,621	986,314
1973	Catch	415	330,091	6,599	58,051	292,943
	Escapement	0	7,300	-	110,800	212,500
	Total	415	337,391	-	168,851	505,443
1974	Catch	581	197,153	9,366	100,601	71,826
	Escapement	0	95,600	-	284,400	257,300
	Total	581	292,753	-	385,001	329,126
1975	Catch	117	243,548	67	60,642	130,750
	Escapement	0	51,700	-	552,100	193,300
	Total	117	295,248	-	612,742	324,050

-Continued-

Appendix A.9. (page 2 of 3)

Year		Chinook <sup>a</sup>	Sockeye <sup>a</sup>	Coho <sup>a,b</sup>	Pink <sup>a</sup>	Chum <sup>a</sup>
1976	Catch	2,196	375,027	216	2,366,833	532,503
	Escapement	0	69,700	-	1,456,400	327,200
	Total	2,196	444,727	-	3,823,233	859,703
1977	Catch	559	311,722	2,108	1,448,648	243,167
	Escapement	0	64,900	-	2,677,800	774,900
	Total	559	376,622	-	4,126,448	1,018,067
1978	Catch	773	579,411	60,774	5,590,145	546,182
	Escapement	0	64,800	-	2,858,700	600,500
	Total	773	644,211	-	8,348,845	1,146,682
1979	Catch	2,141	1,149,927	356,867	6,564,914	482,930
	Escapement	0	53,300	-	2,629,500	411,100
	Total	2,141	1,203,227	-	9,194,414	894,030
1980	Catch	4,794	3,613,025	274,181	7,861,470	1,353,112
	Escapement	0	45,900	-	2,641,600	362,400
	Total	4,794	3,658,925	-	10,502,070	1,713,512
1981	Catch	11,182	2,241,513	162,223	5,033,028	1,768,475
	Escapement	0	45,700	-	2,307,500	381,300
	Total	11,182	2,287,213	-	7,340,528	2,149,775
1982	Catch	9,845	2,345,981	256,046	6,734,905	2,272,495
	Escapement	0	39,200	-	2,293,000	386,900
	Total	9,845	2,385,181	-	9,027,905	2,659,395
1983	Catch	26,571	2,556,557	127,657	2,827,622	1,704,072
	Escapement	0	59,200	-	851,200	446,500
	Total	26,571	2,615,757	-	3,678,822	2,150,572
1984	Catch	9,198	2,318,028	310,950	11,589,258	1,654,622
	Escapement	0	54,800	-	3,811,600	699,700
	Total	9,198	2,372,828	-	15,400,858	2,354,322
1985	Catch	6,642	2,144,416	172,514	4,431,016	1,348,726
	Escapement	0	49,900	-	1,614,100	503,400
	Total	6,642	2,194,316	-	6,045,116	1,852,126
1986	Catch	5,589	1,223,089	235,854	4,031,487	1,749,651
	Escapement	0	48,000	-	1,716,700	544,500
	Total	5,589	1,271,089	-	5,748,187	2,294,226
1987	Catch	9,174	1,449,753	225,120	1,208,556	1,376,887
	Escapement	0	44,600	-	1,540,500	620,700
	Total	9,174	1,494,353	-	2,749,056	1,997,587
1988	Catch	11,075	1,473,651	505,533	7,044,824	1,908,507
	Escapement	0	74,100	-	2,839,600	496,400
	Total	11,075	1,547,751	-	9,884,424	2,404,907
1989	Catch	7,065	2,660,800	443,843	7,292,658	994,231
	Escapement	0	78,100	-	1,870,900	310,500
	Total	7,065	2,738,900	-	9,163,558	1,304,731

-Continued-

Appendix A.9. (page 3 of 3)

Year		Chinook <sup>a</sup>	Sockeye <sup>a</sup>	Coho <sup>a,b</sup>	Pink <sup>a</sup>	Chum <sup>a</sup>
1990	Catch	16,522	2,386,844	307,218	2,865,856	1,237,826
	Escapement	0	95,300	(75.0-100.0) <sup>c</sup>	1,598,400	354,700
	Total	16,522	2,482,144	367.2-397.2 <sup>c</sup>	4,464,256	1,592,526
1991	Catch	7,975	2,319,942	317,129	10,616,756	1,588,795
	Escapement	0	124,900	-	2,946,800	587,600
	Total	7,975	2,444,842	-	13,563,556	2,176,395
1992	Catch	8,026	3,445,914	418,232	9,770,386	1,316,709
	Escapement	0	97,600	-	2,834,400	335,500
	Total	8,026	3,543,514	-	12,604,786	1,652,209
1993	Catch	14,413	3,689,074	220,148	9,928,107	1,048,257
	Escapement	0	100,341	-	2,990,140	397,030
	Total	14,413	3,789,415	-	12,918,247	1,445,287
1994	Catch	10,002	2,107,233	255,905	9,179,853	2,192,079
	Escapement	0	120,255	-	3,071,725	579,100
	Total	10,002	2,227,488	-	12,251,578	2,771,179
1995	Catch	17,078	2,996,353	260,686	16,302,593	1,715,067
	Escapement	0	129,110	-	6,406,300	726,400
	Total	17,078	3,125,463	-	22,708,893	2,441,467
1996	Catch	5,526	1,543,691	293,374	2,205,094	793,679
	Escapement	0	72,950	-	3,647,550	610,300
	Total	5,526	1,616,641	-	5,852,644	1,403,979
1997	Catch	7,780	2,281,566	116,136	2,321,371	627,996
	Escapement	0	104,440	-	5,143,275	809,050
	Total	7,780	2,386,006	-	7,464,646	1,437,046
1998	Catch	4,919	2,183,195	154,194	8,047,998	721,068
	Escapement	0	85,440	-	4,668,065	742,235
	Total	4,919	2,268,635	-	12,716,063	1,463,303
1999	Catch	5,074	2,991,819	192,503	8,456,449	840,030
	Escapement	0	96,800	-	5,015,310	725,180
	Total	5,074	3,088,619	-	13,471,759	1,565,210
2000	Catch	5,445	2,006,487	257,245	3,562,866	1,066,653
	Escapement	0	69,530	-	2,792,985	522,075
	Total	5,445	2,076,017	-	6,355,851	1,588,728
2001	Catch	2,620	614,080	214,252	4,021,382	933,014
	Escapement	0	161,630	-	2,965,136	751,221
	Total	2,620	775,710	-	6,986,518	1,684,235
2002	Catch	6,428	1,036,722	202,728	2,170,809	820,257
	Escapement	0	192,749	-	3,762,800	602,750
	Total	6,428	1,229,471	-	5,933,609	1,423,007

<sup>a</sup> Salmon numbers include commercial and test fish harvests, but exclude subsistence harvests.

<sup>b</sup> Coho salmon escapement is not normally calculated due to the severe weather conditions in the fall, timing of coho in the area, and budgetary limitations.

<sup>c</sup> Escapements are indexed totals and the figures in parenthesis are rough extrapolated estimates.

Appendix A.10. South Peninsula pink salmon catch and escapement by year, 1962-2002.

Year		Non-Migrants			June Migrants		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula Totals	South Unimak	Shumagin Islands	Total <sup>b</sup> June Migrants
1962	Catch	922,100	977,300	1,899,400	42,000	24,000	66,000
	Escapement	826,100	772,700	1,598,800			
	Total	1,748,200	1,750,000	3,498,200			
1963	Catch	1,733,900	590,800	2,324,700	14,000	29,000	43,000
	Escapement	886,500	431,400	1,317,900			
	Total	2,620,400	1,022,200	3,642,600			
1964	Catch	1,514,600	1,190,700	2,705,300	18,000	17,000	35,000
	Escapement	902,400	534,000	1,436,400			
	Total	2,417,000	1,724,700	4,141,700			
1965	Catch	2,331,400	474,700	2,806,100	43,000	35,000	78,000
	Escapement	789,900	245,500	1,035,400			
	Total	3,121,300	720,200	3,841,500			
1966	Catch	220,300	68,500	288,800	15,000	2,000	17,000
	Escapement	627,400	92,000	719,400			
	Total	847,700	160,500	1,008,200			
1967	Catch	53,100	4,200	57,300	11,000	10,000	21,000
	Escapement	327,300	118,200	445,500			
	Total	380,400	122,400	502,800			
1968	Catch	863,300	277,800	1,141,100	34,000	112,000	146,000
	Escapement	528,100	295,200	823,300			
	Total	1,391,400	573,000	1,964,400			
1969	Catch	862,800	265,300	1,128,100	68,000	23,000	91,000
	Escapement	1,906,200	568,700	2,474,900			
	Total	2,769,000	834,000	3,603,000			
1970	Catch	1,378,510	252,030	1,630,540	83,325	19,728	103,053
	Escapement	1,007,900	291,000	1,298,900			
	Total	2,386,410	543,030	2,929,440			
1971	Catch	1,211,982	213,809	1,425,791	11,608	7,632	19,240
	Escapement	488,000	214,700	702,700			
	Total	1,699,982	428,509	2,128,491			
1972	Catch	53,339	6,958	60,297	11,906	6,018	17,924
	Escapement	81,800	29,600	111,400			
	Total	135,139	36,558	171,697			
1973	Catch	36,548	2,073	38,621	11,152	8,278	19,430
	Escapement	85,700	25,100	110,800			
	Total	122,248	27,173	149,421			

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Year		Non-Migrants			June Migrants		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula Totals	South Unimak	Shumagin Islands	Total <sup>b</sup> June Migrants
1974	Catch	95,951	4,650	100,601	0	0	0
	Escapement	238,600	45,800	284,400			
	Total	334,551	50,450	385,001			
1975	Catch	30,052	25,343	55,395	3,205	2,042	5,247
	Escapement	357,800	194,300	552,100			
	Total	387,852	219,643	607,495			
1976	Catch	2,036,223	306,786	2,343,009	18,181	5,643	23,824
	Escapement	1,084,000	372,400	1,456,400			
	Total	3,120,223	679,186	3,799,409			
1977	Catch	1,163,505	279,745	1,443,250	3,397	2,001	5,398
	Escapement	2,168,500	509,300	2,677,800			
	Total	3,332,005	789,045	4,121,050			
1978	Catch	4,167,878	1,332,325	5,500,203	47,380	42,562	89,942
	Escapement	1,966,300	892,400	2,858,700			
	Total	6,134,178	2,224,725	8,358,903			
1979	Catch	4,839,548	1,570,553	6,410,101	49,000	105,813	154,813
	Escapement	2,125,100	504,400	2,629,500			
	Total	6,964,648	2,074,953	9,039,601			
1980	Catch	2,519,576	3,815,588	6,335,164	1,140,611	385,695	1,526,306
	Escapement	1,410,400	1,231,200	2,641,600			
	Total	3,929,976	5,046,788	8,976,764			
1981	Catch	4,196,419	385,359	4,581,778	325,002	126,248	451,250
	Escapement	1,875,000	431,800	2,306,800			
	Total	6,071,419	817,159	6,888,578			
1982	Catch	4,104,949	911,131	5,016,080	1,032,154	686,671	1,718,825
	Escapement	1,533,200	759,800	2,293,000			
	Total	5,638,149	1,670,931	7,309,080			
1983	Catch	2,245,432	526,315	2,771,747	40,441	15,434	489,629
	Escapement	639,200	212,000	851,200			
	Total	2,884,632	738,315	3,622,947			
1984	Catch	6,533,147	4,136,235	10,669,382	470,688	449,188	919,876
	Escapement	2,526,700	1,824,900	4,351,600			
	Total	9,059,847	5,961,135	15,020,982			
1985	Catch	3,324,051	1,000,350	4,324,401	69,811	36,804	106,615
	Escapement	1,229,300	384,500	1,613,800			
	Total	4,553,351	1,384,850	5,938,201			

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Year		Non-Migrants			June Migrants		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula Totals	South Unimak	Shumagin Islands	Total <sup>b</sup> June Migrants
1986	Catch	3,066,631	672,867	3,739,498	150,674	141,315	3,890,172
	Escapement	1,185,500	531,200	1,716,700			
	Total	4,252,131	1,204,067	5,456,198			
1987	Catch	1,143,436	48,138	1,191,574	11,342	5,640	16,982
	Escapement	1,304,400	236,100	1,540,500			
	Total	2,447,836	284,238	2,732,074			
1988	Catch	4,700,486	2,164,114	6,864,600	86,678	93,546	180,224
	Escapement	1,636,500	1,203,100	2,839,600			
	Total	6,336,986	3,367,214	9,704,200			
1989	Catch	5,578,746	1,511,149	7,089,895	154,168	45,067	199,235
	Escapement	1,179,300	691,600	1,870,900			
	Total	6,758,046	2,202,749	8,960,795			
1990	Catch	1,734,227	611,816	2,346,043	444,249	70,798	515,047
	Escapement	1,018,200	580,200	1,598,400			
	Total	2,752,427	1,192,016	3,944,443			
1991	Catch	7,530,700	2,446,759	9,977,459	500,922	118,215	619,137
	Escapement	2,268,400	678,400	2,946,800			
	Total	9,799,100	3,125,159	12,924,259			
1992	Catch	4,851,245	4,266,322	9,117,567	501,127	140,963	642,090
	Escapement	1,781,000	1,053,400	2,834,400			
	Total	6,632,245	5,319,722	11,951,967			
1993	Catch	7,490,553	2,353,434	9,843,987	37,735	43,401	81,136
	Escapement	2,232,200	757,900	2,990,100			
	Total	9,722,753	3,111,334	12,834,087			
1994	Catch	3,143,952	3,507,237	6,651,189	1,731,741	760,773	2,492,514
	Escapement	1,700,525	1,371,200	3,071,725			
	Total	4,844,477	4,878,437	9,722,914			
1995	Catch	11,362,914	4,761,044	16,123,958	119,094	59,541	178,635
	Escapement	4,404,450	2,001,850	6,406,300			
	Total	15,767,364	6,762,894	22,530,258			
1996	Catch	1,512,680	296,875	1,809,555	146,799	230,885	377,684
	Escapement	2,668,950	978,600	3,647,550			
	Total	4,181,630	1,275,475	5,457,105			
1997	Catch	828,392	869,597	1,697,989	332,262	273,675	605,937
	Escapement	4,021,375	1,221,900	5,243,275			
	Total	4,849,767	2,091,497	6,941,264			

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Appendix A.10. (page 4 of 4)

Year		Non-Migrants			June Migrants		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula Totals	South Unimak	Shumagin Islands	Total <sup>b</sup> June Migrants
1998	Catch	5,565,639	2,000,702	7,566,341	125,906	348,434	474,340
	Escapement	2,856,255	1,811,810	4,668,065			
	Total	8,421,894	3,812,512	12,234,406			
1999	Catch	6,902,382	1,510,422	8,412,804	20,302	10,237	30,539
	Escapement	3,363,080	1,652,230	5,015,310			
	Total	10,265,462	3,162,652	13,428,114			
2000	Catch	2,344,546	844,970	3,189,516	210,521	149,508	360,029
	Escapement	1,688,785	1,104,200	2,792,985			
	Total	4,033,331	1,949,170	5,982,501			
2001	Catch	2,745,508	1,227,298	3,972,806	31,812	7,439	39,251
	Escapement	2,040,120	925,016	2,965,136			
	Total	4,785,628	2,152,314	6,937,942			
2002	Catch	1,466,905	627,220	2,094,125	33,789	42,462	76,251
	Escapement	2,108,450	1,654,350	3,762,800			
	Total	3,575,355	2,281,570	5,856,925			

<sup>a</sup> Catch includes any fish (usually very few) caught in Southeastern District Mainland in June which are considered local.

<sup>b</sup> Salmon numbers exclude test fish and subsistence harvests.

Appendix A.11. South Peninsula chum salmon catch and escapement by year, 1962-2002.

Year		Non-Migrants			June Migrants		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula Totals	South Unimak	Shumagin Islands	Total <sup>p</sup> June Migrants
1962	Catch	409,500	155,300	564,800	199,000	61,000	260,000
	Escapement	238,600	160,800	399,400			
	Total	648,100	316,100	964,200			
1963	Catch	278,000	80,300	358,300	67,000	36,000	103,000
	Escapement	263,000	183,700	446,700			
	Total	541,000	264,000	805,000			
1964	Catch	378,800	153,300	532,100	153,000	67,000	220,000
	Escapement	160,800	294,000	454,800			
	Total	539,600	447,300	986,900			
1965	Catch	221,700	150,700	372,400	139,000	45,000	184,000
	Escapement	203,300	24,200	227,500			
	Total	425,000	174,900	599,900			
1966	Catch	221,400	36,000	257,400	220,000	17,000	237,000
	Escapement	354,800	67,200	422,000			
	Total	576,200	103,200	679,400			
1967	Catch	118,700	4,500	123,200	71,000	51,000	122,000
	Escapement	132,800	50,100	182,900			
	Total	251,500	54,600	306,100			
1968	Catch	121,400	47,600	169,000	105,000	51,000	156,000
	Escapement	191,700	87,400	279,100			
	Total	313,100	135,000	448,100			
1969	Catch	95,100	43,300	138,400	238,000	13,000	251,000
	Escapement	96,900	37,700	134,600			
	Total	192,000	81,000	273,000			
1970	Catch	486,183	65,254	551,437	391,568	44,909	436,477
	Escapement	171,700	108,800	280,500			
	Total	657,883	174,054	831,937			
1971	Catch	647,092	209,668	856,760	405,311	103,886	509,197
	Escapement	199,100	144,100	343,200			
	Total	846,192	353,768	1,199,960			
1972	Catch	151,283	61,721	213,004	411,000	107,810	518,810
	Escapement	145,000	109,500	254,500			
	Total	296,283	171,221	467,504			
1973	Catch	79,872	12,441	92,313	177,720	22,910	200,630
	Escapement	130,900	81,600	212,500			
	Total	210,772	94,041	304,813			
1974	Catch	56,509	15,317	71,826	0	0	0
	Escapement	169,800	87,500	257,300			
	Total	226,309	102,817	329,126			

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Year		Non-Migrants			June Migrants		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula Totals	South Unimak	Shumagin Islands	Total <sup>b</sup> June Migrants
1975	Catch	29,419	509	29,928	65,279	35,543	100,822
	Escapement	160,200	33,100	193,300			
	Total	189,619	33,609	223,228			
1976	Catch	107,319	14,914	122,233	336,161	74,109	410,270
	Escapement	225,300	101,900	327,200			
	Total	332,619	116,814	449,433			
1977	Catch	109,541	17,630	127,171	94,097	21,899	115,996
	Escapement	500,900	274,000	774,900			
	Total	610,441	291,630	902,071			
1978	Catch	341,077	83,213	424,290	103,413	18,479	121,892
	Escapement	386,200	214,300	600,500			
	Total	727,277	297,513	1,024,790			
1979	Catch	280,401	98,426	378,827	63,150	40,953	104,103
	Escapement	302,700	108,400	411,100			
	Total	583,101	206,826	789,927			
1980	Catch	675,106	169,141	844,247	458,499	50,366	508,865
	Escapement	241,600	120,800	362,400			
	Total	916,706	289,941	1,206,647			
1981	Catch	964,530	239,998	1,204,528	509,876	54,071	563,947
	Escapement	234,500	146,800	381,300			
	Total	1,199,030	386,798	1,585,828			
1982	Catch	921,790	255,661	1,177,451	933,728	161,316	1,095,044
	Escapement	203,000	183,900	386,900			
	Total	1,124,790	439,561	1,564,351			
1983	Catch	597,295	321,145	918,440	616,354	169,277	785,631
	Escapement	328,900	117,600	446,500			
	Total	926,195	438,745	1,364,940			
1984	Catch	832,872	484,630	1,317,502	227,913	109,207	337,120
	Escapement	446,000	253,700	699,700			
	Total	1,278,872	738,330	2,017,202			
1985	Catch	539,065	375,832	914,897	324,825	109,004	433,829
	Escapement	284,700	218,800	503,500			
	Total	823,765	594,632	1,418,397			
1986	Catch	981,185	416,697	1,397,882	252,721	99,048	351,769
	Escapement	239,600	305,000	544,600			
	Total	1,220,785	721,697	1,942,482			
1987	Catch	753,246	179,500	932,746	405,955	37,064	443,019
	Escapement	329,200	291,500	620,700			
	Total	1,082,446	471,000	1,553,446			

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Year		Non-Migrants			June Migrants		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula Totals	South Unimak	Shumagin Islands	Total <sup>b</sup> June Migrants
1988	Catch	829,518	552,278	1,381,796	464,765	61,946	526,711
	Escapement	269,100	227,300	496,400			
	Total	1,098,618	779,578	1,878,196			
1989	Catch	420,667	117,662	538,329	407,635	47,528	455,163
	Escapement	189,200	121,300	310,500			
	Total	609,867	238,962	848,829			
1990	Catch	560,511	155,429	715,940	455,044	63,501	518,545
	Escapement	210,900	143,800	354,700			
	Total	771,411	299,229	1,070,640			
1991	Catch	563,373	237,695	801,068	670,103	102,602	772,705
	Escapement	345,400	242,200	587,600			
	Total	908,773	479,895	1,388,668			
1992	Catch	592,522	291,692	884,214	323,891	102,312	426,203
	Escapement	194,100	141,400	335,500			
	Total	786,622	433,092	1,219,714			
1993	Catch	330,757	183,403	514,160	381,941	150,306	532,247
	Escapement	172,400	224,630	397,030			
	Total	503,157	408,033	911,190			
1994	Catch	691,164	905,581	1,596,745	374,409	207,756	582,165
	Escapement	211,700	367,400	579,100			
	Total	902,864	1,272,981	2,175,845			
1995	Catch	666,344	511,290	1,177,634	342,307	195,126	537,433
	Escapement	324,750	401,650	726,400			
	Total	991,094	912,940	1,904,034			
1996	Catch	287,111	128,126	415,237	129,889	229,931	359,820
	Escapement	307,400	302,900	610,300			
	Total	594,511	431,026	1,025,537			
1997	Catch	101,370	182,559	283,929	196,016	126,309	322,325
	Escapement	542,050	267,000	809,050			
	Total	643,420	449,559	1,092,979			
1998	Catch	292,862	173,045	465,907	195,454	50,165	245,619
	Escapement	390,325	351,910	742,235			
	Total	683,187	524,955	1,208,142			
1999	Catch	396,431	175,229	571,660	186,886	58,420	245,306
	Escapement	336,050	389,130	725,180			
	Total	732,481	564,359	1,296,840			
2000	Catch	438,505	377,454	815,959	168,888	70,469	239,357
	Escapement	264,050	258,025	522,075			
	Total	702,555	635,479	1,338,034			

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		Non-Migrants			June Migrants		
		Southeastern <sup>a</sup> and South Central Districts	Southwestern and Unimak Districts	South <sup>b</sup> Peninsula Totals	South Unimak	Shumagin Islands	Total <sup>b</sup> June Migrants
2001	Catch	441,437	432,199	873,636	36,099	12,251	48,350
	Escapement	473,800	277,421	751,221			
	Total	915,237	709,620	1,624,857			
2002	Catch	209,267	230,946	440,213	201,211	177,606	378,817
	Escapement	333,550	269,200	602,750			
	Total	542,817	500,146	1,042,963			

<sup>a</sup> Catch includes any fish (usually very few) caught in the Southeastern District Mainland in June which are considered local.

<sup>b</sup> Catch numbers exclude test fish and subsistence harvests.

Appendix A.12. South Peninsula salmon harvest, all gear combined, by species and year, 1908-2002.

Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1908			0	69,400	0	0	0	69,400
1909			0	108,400	7,200	0	0	115,600
1910			0	46,300	5,500	0	0	51,800
1911			0	240,800	12,400	25,200	83,000	361,400
1912			0	334,400	27,000	40,400	195,000	596,800
1913			1,800	299,700	0	0	7,000	308,500
1914			600	628,900	0	311,000	221,100	1,161,600
1915			4,800	367,900	16,200	120,100	333,100	842,100
1916			6,800	730,900	34,100	576,100	508,900	1,856,800
1917			6,400	1,486,100	4,600	72,100	415,500	1,984,700
1918			8,700	1,014,100	16,300	2,150,000	1,501,000	4,690,100
1919			9,600	619,100	56,100	80,200	921,400	1,686,400
1920			7,800	1,142,300	47,700	2,109,800	934,000	4,241,600
1921			700	830,700	1,500	47,300	84,600	964,800
1922			6,900	3,376,800	2,200	756,700	349,300	4,491,900
1923			4,100	1,827,200	75,300	143,600	538,900	2,589,100
1924			3,900	1,352,000	127,300	3,931,300	1,330,700	6,745,200
1925			10,700	820,500	127,100	382,100	1,116,800	2,457,200
1926			9,500	3,071,500	193,800	3,719,700	1,179,800	8,174,300
1927			9,600	714,700	125,300	1,455,500	1,299,700	3,604,800
1928 <sup>a</sup>			7,700	971,500	96,600	900,900	2,416,300	4,393,000
1929 <sup>a</sup>			10,500	935,800	84,500	1,793,500	2,429,000	5,253,300
1930 <sup>a</sup>			10,900	935,200	161,100	6,094,800	1,278,100	8,480,100
1931 <sup>a</sup>			11,000	1,863,200	128,700	997,900	1,216,000	4,216,800
1932 <sup>a</sup>			17,400	2,977,300	112,300	3,604,800	817,300	7,529,100
1933 <sup>a</sup>			12,600	1,996,700	190,000	3,109,200	1,173,900	6,482,400
1934 <sup>a</sup>			17,600	1,372,400	247,100	6,538,500	1,940,300	10,115,900
1935 <sup>a</sup>			13,900	978,400	117,200	5,386,200	2,003,100	8,498,800
1936 <sup>a</sup>			14,400	3,662,600	284,600	9,471,000	2,310,900	15,743,500
1937 <sup>a</sup>			9,300	1,558,000	73,900	9,302,000	1,506,700	12,449,900
1938 <sup>a</sup>			6,400	772,100	220,700	7,169,100	1,476,600	9,644,900
1939 <sup>a</sup>			16,500	1,881,700	98,900	6,005,300	1,440,600	9,443,000
1940 <sup>a</sup>			9,100	1,040,300	184,200	7,182,800	2,326,300	10,742,700
1941 <sup>a</sup>			13,000	1,072,000	183,000	5,347,000	1,542,000	8,157,000
1942 <sup>a</sup>			4,800	810,100	123,000	6,762,600	1,321,100	9,021,600
1943 <sup>a</sup>			21,700	2,397,700	90,600	4,360,200	924,500	7,794,700
1944 <sup>a</sup>			9,900	538,600	238,700	2,653,800	985,600	4,426,600
1945 <sup>a</sup>			21,400	813,400	116,100	3,639,600	948,900	5,539,400
1946 <sup>a</sup>			6,100	752,300	151,400	1,964,000	1,219,900	4,093,700
1947 <sup>a</sup>			3,400	1,137,100	55,800	2,319,600	1,219,200	4,735,100
1948 <sup>a</sup>			1,200	285,900	39,200	1,683,700	1,139,600	3,149,600
1949 <sup>a</sup>			3,800	637,500	19,500	1,544,000	560,900	2,765,700
1950 <sup>a</sup>			4,000	1,745,300	70,700	1,613,700	562,500	3,996,200

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Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
1951			1,500	264,200	55,700	2,844,800	683,100	3,849,300
1952			9,200	894,500	39,200	908,500	1,040,800	2,892,200
1953			7,200	1,039,200	47,900	2,743,900	1,464,600	5,302,800
1954			4,200	636,300	49,400	2,033,300	1,413,400	4,136,600
1955			5,400	550,100	44,800	2,529,200	688,200	3,817,700
1956			4,800	641,400	61,900	2,740,700	1,618,700	5,067,500
1957			5,800	341,900	49,900	913,100	1,281,400	2,592,100
1958			800	186,100	70,600	1,385,200	841,000	2,483,700
1959			900	217,500	8,500	915,600	711,700	1,854,200
1960			1,700	379,000	1,800	1,197,500	904,400	2,484,400
1961			900	456,800	10,400	1,727,800	748,600	2,944,500
1962			3,300	420,000	12,500	1,965,500	824,800	3,226,100
1963			1,900	204,400	16,500	2,367,700	461,300	3,051,800
1964			2,000	370,800	13,600	2,740,400	751,000	3,877,800
1965			2,100	915,700	34,200	2,884,100	556,400	4,392,500
1966			1,400	606,200	6,300	302,300	494,400	1,410,600
1967			1,600	294,100	2,900	77,800	245,200	621,600
1968			1,400	699,800	31,100	1,287,100	325,300	2,344,700
1969			1,900	912,800	10,900	1,219,400	389,200	2,534,200
1970	219	4,679	1,806	1,779,525	32,571	1,737,985	993,349	4,545,236
1971	187	4,444	2,174	716,087	16,907	1,445,031	1,365,957	3,546,156
1972	210	3,124	1,332	557,422	8,021	78,221	731,814	1,376,810
1973	153	1,795	415	330,091	6,599	58,051	292,943	688,099
1974	96	853	581	197,153	9,366	100,601	71,826	379,527
1975	143	600	117	243,548	67	60,642	130,750	435,124
1976	217	2,705	2,196	375,027	216	2,366,833	532,503	3,276,775
1977	205	2,168	559	311,722	2,108	1,448,648	243,167	2,006,204
1978	248	3,860	773	579,411	60,774	5,590,145	546,182	6,777,285
1979	294	4,476	2,141	1,149,927	356,867	6,564,914	482,930	8,556,779
1980	284	5,107	4,794	3,613,025	274,181	7,861,470	1,353,112	13,106,582
1981	304	5,617	11,182	2,241,513	162,223	5,033,028	1,768,475	9,216,421
1982	302	6,286	9,845	2,345,981	256,046	6,734,905	2,272,495	11,619,272
1983	325	5,241	26,571	2,556,557	127,657	2,827,622	1,704,072	7,242,479
1984	334	6,378	9,198	2,318,028	310,950	11,589,258	1,654,622	15,882,056
1985	336	5,322	6,642	2,144,416	172,514	4,431,016	1,348,726	8,103,314
1986	335	5,132	5,589	1,223,089	235,854	4,031,487	1,749,651	7,245,670
1987	327	5,256	9,174	1,449,753	225,120	1,208,556	1,376,887	4,269,490
1988	330	6,478	11,075	1,473,651	505,533	7,044,824	1,908,507	10,943,590
1989	341	5,597	7,065	2,660,800	443,843	7,292,658	994,231	11,398,597
1990 <sup>b</sup>	354	6,403	16,522	2,386,844	307,218	2,865,856	1,237,826	6,814,266
1991 <sup>b</sup>	355	6,439	7,975	2,319,942	317,129	10,616,756	1,588,795	14,850,597
1992 <sup>b</sup>	341	6,512	8,026	3,445,914	418,232	9,770,386	1,316,709	14,959,267
1993 <sup>b</sup>	353	6,204	14,413	3,689,074	220,148	9,928,107	1,048,257	14,899,999
1994 <sup>b</sup>	343	6,750	10,002	2,107,233	255,905	9,179,853	2,192,079	13,745,072
1995 <sup>b</sup>	352	8,193	17,469	3,017,002	264,347	16,311,770	1,728,013	21,338,601
1996 <sup>b</sup>	331	5,875	5,520	1,543,134	293,374	2,207,503	794,642	4,844,173
1997 <sup>b</sup>	307	5,803	7,780	2,281,566	116,136	2,321,371	627,996	5,354,849

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Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total		
1998 <sup>b</sup>	311	8,014	4,919	2,183,195	154,194	8,047,998	721,068	11,111,374		
1999 <sup>b</sup>	310	7,021	5,074	2,991,819	192,503	8,456,449	840,030	12,485,875		
2000 <sup>b</sup>	311	7,110	5,445	2,006,487	257,245	3,562,866	1,066,653	6,898,696		
2001 <sup>b</sup>	242	3,277	2,620	614,080	214,252	4,021,381	933,014	5,785,347		
2002 <sup>b</sup>	199	3,883	6,428	1,036,722	202,728	2,170,809	820,257	4,236,944		
Average 1918-1929 <sup>c</sup>			7,475	1,389,683	79,475	1,455,883	1,175,125	4,107,642		
Average 1930-1946 <sup>c</sup>			12,706	1,495,412	160,088	5,269,929	1,437,165	8,375,300		
Average 1947-1977 <sup>c</sup>			179	2,546	2,567	591,844	26,747	1,523,900	751,226	2,896,285
Average 1978-2000 <sup>c</sup>			323	6,047	9,008	2,249,059	257,739	6,672,991	1,318,346	10,507,144
Average 1992-2001			320	6,476	8,127	2,387,950	238,634	7,380,768	1,126,846	11,142,325

<sup>a</sup> From 1928 through 1950 commercial salmon catches in the Aleutian Islands and the South Peninsula were combined. The Aleutian Islands catches are generally much smaller than South Peninsula harvests. The South Peninsula harvests were generally dominated by pink salmon. The 1978-99 Aleutian Islands average salmon harvest was 510,317 fish, while the 1978-99 average harvest for the South Peninsula was 10,671,164 salmon.

<sup>b</sup> Since 1990, salmon numbers include test fish harvests.

<sup>c</sup> These historical averages are intended to illustrate how salmon productivity has fluctuated in the South Peninsula.

Note: Permit and landing numbers are only available from 1970 through present.

Appendix A.13. South Peninsula commercial salmon harvest, all gear combined, by species and day, 2002.

Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
10-Jun	111	128	246	22,983	3	5,229	24,024	52,485
11-Jun	29	40	20	5,405	0	17	1,411	6,853
12-Jun	104	119	268	35,217	0	10,549	46,454	92,488
13-Jun	41	64	43	10,868	0	149	2,889	13,949
14-Jun	96	105	249	59,506	0	11,863	51,505	123,123
15-Jun	35	49	37	13,845	0	143	3,583	17,608
17-Jun	154	188	273	147,601	0	15,475	63,336	226,685
18-Jun	13	16	8	6,845	0	15	1,467	8,335
19-Jun	154	191	213	77,402	0	12,739	42,085	132,439
20-Jun	9	9	10	3,368	0	10	1,208	4,596
21-Jun	149	185	209	79,494	0	7,144	39,326	126,173
22-Jun	38	53	58	9,439	0	67	1,244	10,808
23-Jun	39	70	42	10,642	0	258	1,244	12,186
24-Jun	85	109	214	60,796	0	4,938	43,406	109,354
25-Jun	30	51	32	7,207	1	259	514	8,013
26-Jun	93	106	104	37,489	1	4,196	25,375	67,165
28-Jun	75	75	649	39,492	0	4,074	32,426	76,641
1-Jul	28	43	9	4,702	0	512	297	5,520
2-Jul	28	51	15	5,289	1	1,065	282	6,652
3-Jul	20	30	4	4,023	0	287	122	4,436
4-Jul	16	32	4	3,659	0	506	120	4,289
5-Jul	19	48	34	6,592	1	1,674	275	8,576
6-Jul	58	75	161	18,256	836	8,304	12,032	39,589
7-Jul	6	14	3	2,981	0	481	52	3,517
8-Jul	6	19	3	3,170	0	374	30	3,577
9-Jul	73	103	144	21,591	1,702	12,261	5,774	41,472
10-Jul	39	74	51	14,421	125	7,247	1,297	23,141
11-Jul	44	80	54	13,743	283	10,114	1,327	25,521
12-Jul	55	71	685	17,360	10,834	18,628	22,562	70,069
13-Jul	8	13	13	1,626	2	930	83	2,654
14-Jul	27	48	93	7,136	3,025	5,953	2,714	18,921
15-Jul	73	100	688	19,276	19,104	51,454	13,848	104,370
16-Jul	7	13	4	1,385	5	442	46	1,882
17-Jul	6	10	3	945	0	30,775	21	31,744
18-Jul	77	100	393	26,370	33,032	35,374	19,226	114,395
19-Jul	26	48	5	15,787	96	8,659	2,151	26,698
20-Jul	10	16	0	4,447	8	1,989	205	6,649
21-Jul	29	33	139	5,747	14,466	25,439	7,736	53,527
22-Jul	42	65	28	12,468	1,524	58,496	4,985	77,501
23-Jul	50	70	115	10,710	10,053	38,116	7,729	66,723
24-Jul	34	38	85	4,287	11,150	44,164	6,697	66,383
25-Jul	4	7	3	995	15	15,953	407	17,373

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Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
26-Jul	4	4	0	70	0	9,821	83	9,974
27-Jul	53	79	121	10,174	12,622	75,057	9,809	107,783
28-Jul	39	40	60	17,378	4,303	28,281	2,938	52,960
29-Jul	16	20	0	17,622	0	32,184	85	49,891
30-Jul	54	64	45	10,908	4,553	90,326	3,897	109,729
31-Jul	53	73	71	10,870	8,931	77,382	7,187	104,441
1-Aug	12	15	0	5,611	4	47,472	25,495	78,582
2-Aug	29	37	40	3,366	2,492	65,680	2,640	74,218
3-Aug	16	18	3	2,164	678	27,407	3,139	33,391
4-Aug	27	37	2	6,757	1,599	54,043	21,622	84,023
5-Aug	33	41	70	8,529	7,019	172,059	11,359	199,036
6-Aug	36	43	20	4,639	2,234	105,476	20,292	132,661
7-Aug	37	44	267	4,937	10,874	116,037	24,562	156,677
8-Aug	29	35	1	3,457	406	76,286	14,183	94,333
9-Aug	32	38	56	2,293	2,514	94,923	20,783	120,569
10-Aug	13	14	0	1,692	1,212	13,625	7,276	23,805
11-Aug	22	26	81	3,870	4,282	85,622	11,650	105,505
12-Aug	33	38	80	5,488	7,193	164,002	16,589	193,352
13-Aug	29	32	45	10,116	4,015	97,106	27,261	138,543
14-Aug	18	19	2	2,736	571	39,278	10,345	52,932
15-Aug	28	32	18	6,139	5,086	71,567	11,095	93,905
16-Aug	20	25	3	4,712	1,511	59,162	3,795	69,183
17-Aug	26	31	2	6,049	1,552	60,862	30,133	98,598
18-Aug	23	31	0	4,399	2,841	23,488	18,282	49,010
19-Aug	16	19	0	2,775	682	25,064	4,489	33,010
20-Aug	7	7	1	1,533	329	1,080	4,211	7,154
21-Aug	8	12	0	3,042	729	547	3,146	7,464
22-Aug	a	a	a	a	a	a	a	a
23-Aug	a	a	a	a	a	a	a	a
1-Sep	18	25	0	3,120	1,224	2	79	4,425
2-Sep	25	36	0	4,579	1,799	215	7,581	14,174
3-Sep	19	32	0	2,567	1,117	0	29	3,713
4-Sep	16	23	0	1,602	452	0	35	2,089
5-Sep	15	20	0	1,635	656	0	52	2,343
8-Sep	a	a	a	a	a	a	a	a
9-Sep	15	20	0	1,580	931	0	0	2,511
10-Sep	13	21	0	888	577	0	0	1,465
11-Sep	11	17	0	1,092	395	0	0	1,487
12-Sep	a	a	a	a	a	a	a	a
16-Sep	6	11	0	208	94	0	0	302
17-Sep	6	8	0	309	200	0	0	509
23-Sep	a	a	a	a	a	a	a	a

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Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
24-Sep	4	9	0	764	196	0	0	960
25-Sep	a	a	a	a	a	a	a	a
26-Sep	a	a	a	a	a	a	a	a
30-Sep	a	a	a	a	a	a	a	a
1-Oct	a	a	a	a	a	a	a	a
<b>Total</b>	<b>198</b>	<b>3,880</b>	<b>6,399</b>	<b>1,035,232</b>	<b>202,717</b>	<b>2,170,376</b>	<b>819,030</b>	<b>4,233,754</b>

<sup>a</sup> Confidentiality requirements prohibit releasing this information.

Appendix A.14. South Peninsula commercial salmon harvest by species, statistical area, section, and district, 2002

Statistical Area	Section	Number of Salmon <sup>a</sup>					Total
		Chinook	Sockeye	Coho	Pink	Chum	
<b><i>SOUTHEASTERN DISTRICT</i></b>							
281-15	Kupreanof Point	14	2,087	295	6,377	1,040	9,813
281-25	Island/ Fox Bay	182	81,428	17,345	127,389	17,520	243,864
<b>East Stepovak Section Total</b>		<b>196</b>	<b>83,515</b>	<b>17,640</b>	<b>133,766</b>	<b>18,560</b>	<b>253,677</b>
<b>281-30</b>	<b>Stepovak Flats Section</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
281-40	Grub Gulch/Clark Bay	147	15,211	325	41,887	5,980	63,550
281-50	Orzinski Bay	22	31,874	32	24,753	1,586	58,267
281-55	American Bay	29	12,005	525	14,346	1,995	28,900
281-62	Chichagof Bay	41	24,004	207	14,802	1,883	40,937
281-65	Suzy Creek/West Cove	3	11,042	43	9,721	766	21,575
281-67	Dornoi Bay	0	0	0	0	0	0
<b>Northwest Stepovak Section Total</b>		<b>242</b>	<b>94,136</b>	<b>1,132</b>	<b>105,509</b>	<b>12,210</b>	<b>213,229</b>
<b>281-70</b>	<b>Southwest Stepovak Section</b>	<b>101</b>	<b>34,301</b>	<b>7,926</b>	<b>157,193</b>	<b>9,602</b>	<b>209,123</b>
<b>281-80</b>	<b>Balboa Bay Section</b>	<b>67</b>	<b>22,420</b>	<b>5,502</b>	<b>206,799</b>	<b>14,556</b>	<b>249,344</b>
<b>281-90</b>	<b>Beaver Bay Section</b>	<b>0</b>	<b>48</b>	<b>1</b>	<b>400</b>	<b>58</b>	<b>507</b>
282-10	Popof Strait/Squaw Harbor	14	7,389	218	9,824	3,842	21,287
282-11	Unga Cape/East Popof	4,963	235,340	139,324	305,114	265,221	949,962
282-20	Acheredin Bay	17	4,970	64	1,917	605	7,573
282-25	West Unga Island	32	14,500	1,759	2,822	2,189	21,302
282-30	Bay Point	0	244	0	614	776	1,634
282-35	Zachary Bay	2	612	12	3,091	2,354	6,071
282-40	East Head/West Head	0	42	0	1	3	46
282-42	Korovin Island	124	26,465	7,667	29,616	9,878	73,750
282-65	Southeast Nagai Island	9	5,272	130	2,640	1,286	9,337
282-70	Southwest Nagai Island	179	6,300	529	1,990	869	9,867
282-75	Cape Horn/Porpoise Rocks	3	3,189	194	3,069	581	7,036
<b>Shumagin Islands Section Total</b>		<b>5,343</b>	<b>304,323</b>	<b>149,897</b>	<b>360,698</b>	<b>287,604</b>	<b>1,107,865</b>
<b><i>SOUTHEASTERN DISTRICT TOTAL</i></b>		<b><i>5,949</i></b>	<b><i>538,743</i></b>	<b><i>182,098</i></b>	<b><i>964,365</i></b>	<b><i>342,590</i></b>	<b><i>2,033,745</i></b>

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Statistical		Number of Salmon <sup>a</sup>					Total
Area	Section	Chinook	Sockeye	Coho	Pink	Chum	
<b><i>SOUTH CENTRAL DISTRICT</i></b>							
<b>283-17 Mino Cr. - Little Coal B. Section</b>		<b>0</b>	<b>102</b>	<b>0</b>	<b>47,727</b>	<b>293</b>	<b>48,122</b>
283-21	Northside Cape Tolstoi	0	280	0	405	40	725
283-23	Eastside Pavlof Bay	1	758	61	441,224	8,141	450,185
<b>East Pavlof Bay Section Total</b>		<b>1</b>	<b>1,038</b>	<b>61</b>	<b>441,629</b>	<b>8,181</b>	<b>450,910</b>
<b>283-24 Canoe Bay Section</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>48,663</b>	<b>28,222</b>	<b>76,885</b>
283-25	Northwest Pavlof Bay	0	0	0	1,250	2,100	3,350
283-26	Long Beach/Ukolnoi	0	54	0	5,733	5,487	11,274
<b>West Pavlof Bay Section Total</b>		<b>0</b>	<b>54</b>	<b>0</b>	<b>6,983</b>	<b>7,587</b>	<b>14,624</b>
<b><i>SOUTH CENTRAL DISTRICT TOTAL</i></b>		<b>1</b>	<b>1,194</b>	<b>61</b>	<b>545,002</b>	<b>44,283</b>	<b>590,541</b>
<b><i>SOUTHWESTERN DISTRICT</i></b>							
284-36	Volcano Bay	0	0	1,510	67,062	111,880	180,452
284-37	Northside Dolgoi Island	3	14,695	4,773	28,705	5,652	53,828
284-38	South Dolgoi/Moss Cape	0	192	516	27,727	13,957	42,392
284-39	Poperechnoi	0	967	944	1,796	305	4,012
<b>Volcano Bay Section Total</b>		<b>3</b>	<b>15,854</b>	<b>7,743</b>	<b>125,290</b>	<b>131,794</b>	<b>280,684</b>
284-42	Belkofski Bay	2	1,282	4	197,426	27,590	226,304
284-45	King Cove	6	1,411	1	32,255	6,767	40,440
<b>Belkofski Bay Section Total</b>		<b>8</b>	<b>2,693</b>	<b>5</b>	<b>229,681</b>	<b>34,357</b>	<b>266,744</b>
<b>284-55 Deer Island Section</b>		<b>0</b>	<b>7</b>	<b>2</b>	<b>217,330</b>	<b>5,014</b>	<b>222,353</b>
284-62	Outer Cold Bay	0	18,872	0	4	2,499	21,375
284-65	Lenard Harbor	0	2	0	3,853	28,700	32,555
284-67	Upper Cold Bay	0	2,983	1	128	10,219	13,331
<b>Cold Bay Section Total</b>		<b>0</b>	<b>21,857</b>	<b>1</b>	<b>3,985</b>	<b>41,418</b>	<b>67,261</b>

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Statistical Area	Section	Number of Salmon <sup>a</sup>					Total
		Chinook	Sockeye	Coho	Pink	Chum	
<b>284-75</b>	<b>Thin Point Section</b>	<b>3</b>	<b>58,921</b>	<b>1,310</b>	<b>18,295</b>	<b>4,593</b>	<b>83,122</b>
<b>284-80</b>	<b>Morzhovoi Bay Section</b>	<b>0</b>	<b>24,323</b>	<b>0</b>	<b>11</b>	<b>1,440</b>	<b>25,774</b>
<b>284-90</b>	<b>Ikatan Bay Section</b>	<b>303</b>	<b>184,246</b>	<b>11,494</b>	<b>64,033</b>	<b>102,286</b>	<b>362,362</b>
<b><i>SOUTHWESTERN DISTRICT TOTAL</i></b>		<b><i>317</i></b>	<b><i>307,901</i></b>	<b><i>20,555</i></b>	<b><i>658,625</i></b>	<b><i>320,902</i></b>	<b><i>1,308,300</i></b>
 <b><i>UNIMAK DISTRICT</i></b>							
<b>285-10</b>	<b>Sanak Island Section</b>	<b>0</b>	<b>244</b>	<b>0</b>	<b>464</b>	<b>0</b>	<b>708</b>
285-20	Bird Island	6	15,575	0	0	11,893	27,474
285-30	Cape Lazaref	62	89,644	0	1,064	53,567	144,337
<b>Otter Cove Section Total</b>		<b>68</b>	<b>105,219</b>	<b>0</b>	<b>1,064</b>	<b>65,460</b>	<b>171,811</b>
<b>285-40</b>	<b>Cape Lutke Section</b>	<b>64</b>	<b>81,931</b>	<b>3</b>	<b>856</b>	<b>45,795</b>	<b>128,649</b>
<b><i>UNIMAK DISTRICT TOTAL</i></b>		<b><i>132</i></b>	<b><i>187,394</i></b>	<b><i>3</i></b>	<b><i>2,384</i></b>	<b><i>111,255</i></b>	<b><i>301,168</i></b>
<b>SOUTH PENINSULA TOTAL</b>		<b>6,399</b>	<b>1,035,232</b>	<b>202,717</b>	<b>2,170,376</b>	<b>819,030</b>	<b>4,233,754</b>

<sup>a</sup> Harvest numbers do not include test fish catches.

Appendix A.15. South Peninsula commercial salmon harvest by species, district, and gear, 2002.

	Number of Salmon <sup>a</sup>					Total	Percent of Harvest
	Chinook	Sockeye	Coho	Pink	Chum		
<b><i>SOUTHEASTERN DISTRICT</i></b>							
Seine	5,159	238,029	158,844	726,047	292,661	1,420,740	69.9
Set gillnet	790	300,714	23,254	238,318	49,929	613,005	30.1
<b>Total</b>	<b>5,949</b>	<b>538,743</b>	<b>182,098</b>	<b>964,365</b>	<b>342,590</b>	<b>2,033,745</b>	<b>100.0</b>
<b><i>SOUTH CENTRAL DISTRICT</i></b>							
Seine	0	195	32	542,698	44,001	586,926	99.4
Set gillnet	1	999	29	2,304	282	3,615	0.6
<b>Total</b>	<b>1</b>	<b>1,194</b>	<b>61</b>	<b>545,002</b>	<b>44,283</b>	<b>590,541</b>	<b>100.0</b>
<b><i>SOUTHWESTERN DISTRICT</i></b>							
Seine	150	127,258	6,429	633,811	255,762	1,023,410	78.2
Drift gillnet	77	89,691	11,567	10,813	50,011	162,159	12.4
Set gillnet	90	90,952	2,559	14,001	15,129	122,731	9.4
<b>Total</b>	<b>317</b>	<b>307,901</b>	<b>20,555</b>	<b>658,625</b>	<b>320,902</b>	<b>1,308,300</b>	<b>100.0</b>
<b><i>UNIMAK DISTRICT</i></b>							
Seine	7	5,663	0	1,515	3,440	10,625	3.5
Drift gillnet	121	180,749	3	864	107,393	289,130	96.0
Set gillnet	4	982	0	5	422	1,413	0.5
<b>Total</b>	<b>132</b>	<b>187,394</b>	<b>3</b>	<b>2,384</b>	<b>111,255</b>	<b>301,168</b>	<b>100.0</b>
<b><i>SOUTH PENINSULA TOTAL</i></b>							
Seine	5,316	371,145	165,305	1,904,071	595,864	3,041,701	71.8
Drift gillnet	198	270,440	11,570	11,677	157,404	451,289	10.7
Set gillnet	885	393,647	25,842	254,628	65,762	740,764	17.5
<b>Total</b>	<b>6,399</b>	<b>1,035,232</b>	<b>202,717</b>	<b>2,170,376</b>	<b>819,030</b>	<b>4,233,754</b>	<b>100.0</b>

<sup>a</sup> Harvest numbers do not include test fish catches.

Appendix A.16. South Peninsula emergency order summary, 2002.

E.O.#	Issued	Effective	Action Taken
CB-02	2:30 PM 6/3/02	6:00 AM 6/10/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for seine and drift gillnet gear in the South Unimak fishery and by seine gear in the Shumagin Islands Section during June 10. <u>Closes</u> all Sanak Island waters to commercial salmon fishing through June 30. This includes all waters south of the latitude of Hague Rock and east of the longitude of Cape Pankof south of the latitude of Hague Rock.
SP-01	4:30 PM 6/7/02	6:00 AM 6/10/02	<u>Allows</u> a 16-hour commercial salmon set gillnet fishing period from 6:00 AM until 10:00 PM during June 10 in the Shumagin Islands Section of the Southeastern District and in the South Unimak Fishery.
CB-03	8:30 PM 6/10/02	6:00 AM 6/11/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for set gillnet gear in the South Unimak fishery during June 11. <u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for seine and drift gillnet gear in the South Unimak fishery during June 12.
SP-02	9:10 PM 6/10/02	6:00 AM 6/11/02	<u>Allows</u> a 16-hour commercial salmon set gillnet fishing period from 6:00 AM until 10:00 PM during June 11 in the Shumagin Islands Section of the Southeastern District.
SP-03	9:00 AM 6/11/02	6:00 AM 6/12/02	<u>Allows</u> a 16-hour commercial salmon seine fishing period from 6:00 AM until 10:00 PM during June 12 in the Shumagin Islands Section of the Southeastern District.
SP-04	9:30 AM 6/11/02	6:00 AM 6/13/02	<u>Allows</u> a 16-hour commercial salmon set gillnet fishing period from 6:00 AM until 10:00 PM during June 13 in the Shumagin Islands Section.
CB-04	2:45PM 6/11/02	6:00 AM 6/13/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for set gillnet gear in the South Unimak fishery during June 13.
CB-06	7:45 PM 6/12/02	6:00 AM 6/14/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for seine and drift gillnet gear in the South Unimak fishery during June 14.
CB-09	8:30 PM 6/13/02	6:00 AM 6/15/02	<u>Allows</u> a 6:00 AM until 10:00 PM commercial salmon fishing period for set gillnet gear in the South Unimak fishery during June 15.
SP-05	10:00 PM 6/13/02	6:00 AM 6/14/02	<u>Allows</u> a 16-hour commercial salmon seine fishing period from 6:00 AM until 10:00 PM on June 14 and a 16-hour commercial salmon set gillnet fishing period from 6:00 AM until 10:00 PM on June 15 in the Shumagin Islands Section of the Southeastern District.
CB-10	4:00 PM 6/15/02	6:00 AM 6/17/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for seine and drift gillnet gear in the South Unimak fishery during June 17.

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E.O.#	Issued	Effective	Action Taken
CB-11	8:45 PM 6/15/02	6:00 AM 6/17/02	<u>Allows</u> a commercial salmon fishing period from 6:00 AM until 10:00 PM for set gillnet gear in the South Unimak fishery during June 17.
SP-06	9:00 AM 6/16/02	6:00 AM 6/17/02	<u>Allows</u> a 16-hour commercial salmon seine and set gillnet fishing period from 6:00 AM until 10:00 PM on June 17 in the Shumagin Islands Section of the Southeastern District.
CB-12	8:45 PM 6/17/02	6:00 AM 6/18/02	<u>Allows</u> a 16 hour commercial salmon fishing period from 6:00 AM until 10:00 PM for set gillnet gear in the South Unimak fishery during June 18. <u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for seine and drift gillnet gear in the South Unimak fishery during June 19.
SP-07	9:00 AM 6/18/02	6:00 AM 6/19/02	<u>Allows</u> a 16-hour commercial salmon seine and set gillnet fishing period from 6:00 AM until 10:00 PM on June 19 in the Shumagin Islands Section of the Southeastern District.
CB-13	2:00 PM 6/18/02	6:00 AM 6/20/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for set gillnet gear in the South Unimak fishery during June 20.
SP-08	1:00 PM 6/19/02	2:00 PM 6/21/02	<u>Allows</u> a 25-hour commercial salmon set gillnet fishing period from 2:00 PM June 21 until 3:00 PM on June 22 in the East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections of the Southeastern District.
CB-15	8:30 PM 6/19/02	6:00 AM 6/21/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for seine and drift gillnet gear in the South Unimak fishery during June 21.
SP-09	6:00 PM 6/20/02	6:00 AM 6/21/02	<u>Allows</u> a 16-hour commercial salmon seine and set gillnet fishing period from 6:00 AM until 10:00 PM on June 21 in the Shumagin Islands Section of the Southeastern District.
CB-16	8:30 PM 6/20/02	6:00 AM 6/22/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for set gillnet gear in the South Unimak fishery during June 22.
CB-18	10:30 AM 6/22/02	6:00 AM 6/24/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for seine and drift gillnet gear in the South Unimak fishery during June 24.
SP-10	1:00 PM 6/22/02	6:00 AM 6/23/02	<u>Allows</u> 16-hour commercial salmon fishing periods from 6:00 AM until 10:00 PM for set gillnet gear on June 23 and for seine gear from 6:00 AM until 10:00 PM on June 24 in the Shumagin Islands Section.
SP-11	1:00 PM 6/22/02	3:00 PM 6/22/02	<u>Extends</u> the commercial salmon set gillnet fishing period in the East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections of the Southeastern District for 24 hours from 3:00 PM June 22 until 3:00 PM on June 23.

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E.O.#	Issued	Effective	Action Taken
CB-19	8:30 PM 6/22/02	6:00 AM 6/24/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for set gillnet gear in the South Unimak fishery during June 24.
SP-12	1:00 PM 6/23/02	3:00 PM 6/23/02	<u>Extends</u> the commercial salmon set gillnet fishing period in the East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections of the Southeastern District for 24 hours from 3:00 PM June 23 until 3:00 PM on June 24.
SP-13	11:00 AM 6/24/02	3:00 PM 6/24/02	<u>Extends</u> the commercial salmon set gillnet fishing period in the East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections of the Southeastern District for 33 hours from 3:00 PM June 24 until 11:59 PM on June 25.
CB-20	8:30 PM 6/24/02	6:00 AM 6/26/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM in the South Unimak fishery during June 26.
SP-14	5:00 PM 6/25/02	7:00 AM 7/1/02	<u>Allows</u> a 48-hour commercial salmon set gillnet fishing period from 7:00 AM July 1 until 7:00 AM on July 3 in the Northwest Stepovak Section of the Southeastern District.
SP-15	5:00 PM 6/25/02	6:00 AM 6/26/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM for seine and set gillnet gear on June 26 in the Shumagin Islands Section of the Southeastern District.
CB-22	8:00 AM 6/27/02	6:00 AM 6/28/02	<u>Allows</u> a 16-hour commercial salmon fishing period from 6:00 AM until 10:00 PM in the South Unimak fishery during June 28.
SP-16	1:00 PM 6/27/02	6:00 AM 6/27/02	<u>Allows</u> a 6-hour commercial salmon fishing period from 6:00 AM until NOON for seine and set gillnet gear on June 28 in the Shumagin Islands Section.
SP-17	10:00 AM 7/1/02	7:00 AM 7/3/02	<u>Extends</u> the current commercial fishing period for set gillnet gear in all waters of 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. for an additional 29 hours from 7:00 AM July 3 until NOON July 4. <u>Reduces</u> waters closed to commercial salmon fishing to within 500 yards of the terminus at the ocean shoreline of the Orzinski River until further notice.
SP-18	5:00 PM 7/2/02	NOON 7/4/02	<u>Allows</u> a 48-hour commercial salmon fishing period for set gillnet gear from NOON July 4 until NOON July 6, 2002 in the Northwest Stepovak Section.
CB-27	NOON 7/3/02	12:01 AM 7/6/02	<u>Allows</u> a 21-hour commercial salmon fishing period from 12:01 AM until 9:00 PM during July 6 in the South Central District, Southwestern District, Sanak Island Section, and Otter Cove.
SP-19	10:00 AM 7/5/02	12:01 AM 7/6/02	<u>Allows</u> a 21-hour commercial salmon fishing period for seine and set gillnet gear from 12:01 AM until 9:00 PM on July 6 in the Shumagin Islands Section.

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E.O.#	Issued	Effective	Action Taken
SP-20	11:00 AM 7/5/02	NOON 7/6/02	<u>Extends</u> the current commercial fishing period for set gillnet gear in all waters of 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. to remain open for an additional 81 hours from NOON July 6 until 9:00 PM July 9. <u>Allows</u> a commercial fishing period for seine and set gillnet gear from 9:00 PM July 8 until 9:00 PM July 9 in the Shumagin Islands Section
CB-33	8:00 AM 7/7/02	9:00 PM 7/8/02	<u>Allows</u> a 24-hour commercial salmon fishing period from 9:00 PM July 8 until 9:00 PM July 9 in the South Central District, Southwestern District, Sanak Island Section, and Otter Cove Section.
SP-21	10:00 AM 7/7/02	9:00 PM 7/8/02	<u>Allows</u> a 24-hour commercial salmon fishing period for seine and set gillnet gear from 9:00 PM July 8 until 9:00 PM July 9 in the Shumagin Islands Section.
SP-22	11:00 AM 7/9/02	9:00 PM 7/9/02	<u>Allows</u> a 48-hour commercial salmon fishing period for set gillnet gear from 9:00 PM July 9 until 9:00 PM July 11, and a 21 hour fishing period for seine gear from 12:01 AM until 9:00 PM July 11 in the East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections of the Southeastern District.
SP-23	11:00 AM 7/9/02	9:00 PM 7/11/02	<u>Allows</u> a 24-hour commercial salmon fishing period for seine and set gillnet gear from 9:00 PM July 11 until 9:00 PM July 12 in the Shumagin Islands Section of the Southeastern District
CB-34	9:15 AM 7/10/02	9:00 PM 7/11/02	<u>Allows</u> a 24-hour commercial salmon fishing period from 9:00 PM, July 11 until 9:00 PM July 12 in the South Central District, Southwestern District, Sanak Island Section, and Otter Cove Section.
SP-25	7:00 PM 7/11/02	9:00 PM 7/11/02	<u>Extends</u> the current commercial fishing period for set gillnet gear in all waters of 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. for an additional 48 hours from 9:00 PM July 11 until 9:00 PM July 13.
SP-24	11:00 AM 7/12/02	9:00 PM 7/13/02	<u>Allows</u> a 48-hour commercial salmon fishing period from 9:00 PM July 13 until 9:00 PM July 15 in the Northwest Stepovak Section of the Southeastern District. <u>Allows</u> a 24 hour fishing period from 9:00 PM July 14 until 9:00 PM July 15 in the Shumagin Island Section.
CB-37	9:15 AM 7/10/02	9:00 PM 7/14/02	<u>Allows</u> a 24-hour commercial salmon fishing period from 9:00 PM July 14 until 9:00 PM July 15 in the South Central District, Southwestern District, Sanak Island Section, and Otter Cove Section.

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E.O.#	Issued	Effective	Action Taken
SP-26	1:00 PM 7/15/02	9:00 PM 7/15/02	<u>Extends</u> the current commercial fishing period for set gillnet gear in all waters of 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. for an additional 48 hours from 9:00 PM July 15 until 9:00 PM July 17.
CB-38	9:15 AM 7/16/02	9:00 PM 7/17/02	<u>Allows</u> a 24-hour commercial salmon fishing period from 9:00 PM July 17 until 9:00 PM July 18 in the South Central District, Southwestern District, Sanak Island Section, and Otter Cove Section. <u>Reduces</u> the closed waters of Thin Point Cove to include only those waters within 1,000 yards of the Thin Point Lagoon outlet channel terminus and within 500 yards of the other salmon stream emptying into Thin Point Cove from 9:00 PM July 17 through 9:00 PM July 19.
SP-27	2:00 PM 7/16/02	9:00 PM 7/17/02	<u>Allows</u> a 48-hour commercial salmon fishing period from 9:00 PM July 17 until 9:00 PM July 19 in the Northwest Stepovak Section of the Southeastern District. <u>Allows</u> a 24 hour fishing period from 9:00 PM July 17 until 9:00 PM July 18 in the Shumagin Island Section.
CB-39	8:00 PM 7/17/02	9:00 PM 7/18/02	<u>Extends</u> commercial fishing time for salmon 48 hours until 9:00 PM July 20 in the Canoe Bay Section, that portion of Pavlof Bay north of 55° 24.48' N. lat., Thin Point Section, and Morzhovoi Bay Section <u>Extends</u> the time the closed waters of Thin Point Cove will remain reduced for another 24 hours until 9:00 PM July 20 (to include only those waters within 1,000 yards of the Thin Point Lagoon outlet terminus and within 500 yards of th other salmon stream emptying into Thin Point Cove).
CB-41	10:30 AM 7/19/02	9:00 PM 7/20/02	<u>Allows</u> a 24-hour commercial salmon fishing period from 9:00 PM July 20 until 9:00 PM July 21 in the South Central District, Southwestern District, Sanak Island Section, and Otter Cove Section.
SP-28	9:15 AM 7/21/02	9:00 PM 7/21/02	<u>Allows</u> a 24-hour commercial salmon fishing period for seine and set gillnet gear from 9:00 PM July 20 until 9:00 PM July 21 in the Shumagin Islands Section.
SP-29	11:00 AM 7/19/02	9:00 PM 7/19/02	<u>Extends</u> the current commercial fishing in all waters of Orzinski Bay for an additional 48 hours from 9:00 PM July 19 until 9:00 PM July 21. <u>Allows</u> a 48-hour commercial salmon fishing period from 9:00 PM July 21 until 9:00 PM July 23 in the East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections of the Southeastern District

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E.O.#	Issued	Effective	Action Taken
CB-42	8:00 PM 7/19/02	6:00 AM 7.22.02	<u>Allows</u> a 36-hour commercial salmon fishing period from 6:00 AM July 22 until 6:00 PM July 25 in the Bechevin Bay Section.
CB-43	9:15 AM 7/21/02	9:00 PM 7/21/02	<u>Extends</u> commercial salmon fishing time for 63 hours from 9:00 PM July 21 until NOON July 24 in the Canoe Bay Section and that portion of Pavlof Bay north of 55° 24.48' N. lat..
CB-44	10:30 AM 7/22/02	NOON 7/23/02	<u>Allows</u> a 24-hour commercial salmon fishing period from NOON Tuesday, July 23 until NOON July 24 in the South Central District, Southwestern District, Sanak Island Section, and Otter Cove Section.
SP-30	11:00 AM 7/22/02	NOON 7/23/02	<u>Allows</u> a 24-hour commercial salmon fishing period for seine and set gillnet gear from NOON July 23 until NOON July 24 in the Shumagin Islands Section.
CB-45	8:45 AM 7/23/02	NOON 7/24/02	<u>Extends</u> commercial salmon fishing time for 6 hours from NOON until 6:00 PM July 24 in the South Central District, Southwestern District, Sanak Island Section, and Otter Cove Section.
SP-31	6:00 PM 7/23/02	9:00 PM 7/23/02	<u>Extends</u> the current commercial fishing in all waters of Orzinski Bay for 51 hours from 9:00 PM July 23 until 12:01 AM July 26.
SP-32	9:00 AM 7/24/02	NOON 7/24/02	<u>Extends</u> the current commercial salmon fishing period for 6 hours from NOON until 6:00 PM, July 24 in the Shumagin Islands Section.
CB-46	11:15 AM 7/24/02	6:00 PM 7/24/02	<u>Extends</u> commercial salmon fishing time for 75 hours from 6:00 PM July 24 until 9:00 PM July 27 in the Deer Island, Belkofski Bay and Canoe Bay sections and that portion of Pavlof Bay north of 55° 24.48' N. lat.. <u>Reduces</u> the closed waters of Settlement Point and Middle Creeks are reduced to include only those waters upstream from the terminus at the ocean shoreline, effective 6:00 PM July 24 through August 31.
SP-33	1:00 PM 7/24/02	12:01 AM 7/24/02	<u>Allows</u> an approximately 24-hour commercial salmon fishing period from 12:01 AM until 11:59 PM July 25, in the Northwest Stepovak Section.
SP-34	11:00 AM 7/25/02	9:00 PM 7/26/02	<u>Allows</u> a 36-hour commercial salmon fishing period from 9:00 PM July 26 until 9:00 AM July 28, in the Southeastern District.
CB-48	11:30 AM 7/25/02	9:00 PM 7/26/02	<u>Allows</u> a 36-hour commercial salmon fishing period from 9:00 PM July 26 until 9:00 AM July 28 in the South Central District, Southwestern District, Sanak Island Section, and Otter Cove Section.

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E.O.#	Issued	Effective	Action Taken
CB-49	8:30 PM 7/27/02	9:00 AM 7/28/02	<u>Extends</u> commercial fishing time for salmon 84 hours from 9:00 AM July 28 until 9:00 PM July 31 in the Thin Point, Deer Island, Belkofski Bay and Canoe Bay sections and that portion of Pavlof Bay north of 55° 24.48' N. lat.. <u>Reduces</u> the closed waters of Southern Creek to include only those waters upstream from the terminus at the ocean shoreline, from 9:00 AM July 28, through August 31. <u>Reduces</u> the closed waters of Thin Point Cove to include only those waters within 1,000 yards of the Thin Point Lagoon outlet terminus and within 500 yards of the other stream emptying into Thin Point Cove from 9:00 AM July 28 through August 31.
CB-51	7/28/02	7:00 AM 7/29/02	<u>Allows</u> a 62-hur commercial salmon fishing period from 7:00 AM July 29 until 9:00 PM July 31 in the Morzhovoi Bay Section. <u>Reduces</u> the closed waters of Middle Lagoon to include only those waters north of 55° 05.00' N. lat. from 7:00 AM July 29 through August 31. <u>Reduces</u> the closed waters of Eastern Creek and the westernmost of the Western Creeks on Deer Island to include only those waters upstream from the terminus at the ocean shoreline from 7:00 AM July 29 through August 31.
CB-52	9:00 AM 7/29/02	9:00 AM 7/30/02	<u>Allows</u> a 36-hour commercial salmon fishing period from 9:00 AM July 30 until 9:00 PM July 31 in the South Central District, Southwestern District, Sanak Island Section, and Otter Cove Section.
CB-53	5:45 PM 7/29/02	12:01 AM 7/30/02	<u>Reduces</u> closed of all streams (not already reduced) on Deer Island to waters upstream of the stream terminus at the ocean shoreline, effective 12:01 AM July 30 through August 31
SP-35	8:00 AM 7/30/02	9:00 AM 7/30/02	<u>Allows</u> a 36-hour commercial salmon fishing period from 9:00 AM July 30 until 9:00 PM July 31 in the Southeastern District.
CB-54	7/31/02	9:00 PM 7/31/02	<u>Extends</u> commercial salmon fishing time for 72 hours from 9:00 PM JULY 31 until 9:00 PM August 3 in the Morzhovoi Bay, Thin Point, Deer Island, Belkofski Bay and Canoe Bay sections and that portion of Pavlof Bay north of 55° 24.48' N. lat..
SP-36	1:00 PM 7/31/02	8:00 AM 8/1/02	<u>Reduces</u> closed water to include those upstream of the stream terminus at the ocean shoreline of Orzinski River until further notice
CB-56	9:00 AM 8/1/02	8:00 AM 8/2/02	<u>Allows</u> a 37-hour commercial salmon fishing period from 8:00 AM August 2 until 9:00 PM August 3 in the South Central District, Southwestern and Unimak Districts.
SP-37	10:00 AM 8/1/02	8:00 AM 8/2/02	<u>Allows</u> a 37-hour commercial salmon fishing period from 8:00 AM August 2 until 9:00 PM August 3 in the Southeastern District.

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E.O.#	Issued	Effective	Action Taken
CB-57	5:00 PM 8/2/02	9:00 PM 8/3/02	<u>Extends</u> the commercial salmon fishing period for 24 hours from 9:00 PM August 3 until 9:00 PM August 4 in the South Central District, Southwestern and Unimak Districts.
SP-38	5:00 PM 8/3/02	9:00 PM 8/4/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District for 24 hours from 9:00 PM August 3 until 9:00 PM August 4.
CB-59	5:00 PM 8/3/02	9:00 PM 8/4/02	<u>Extends</u> the commercial salmon fishing period for 24 hours from 9:00 PM August 4 until 9:00 PM August 5 in the South Central District, Southwestern and Unimak Districts.
SP-39	10:00 AM 8/4/02	9:00 PM 8/4/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District for 24 hours from 9:00 PM AUGUST 4 until 9:00 PM August 5.
CB-60	7:30 PM 8/4/02	9:00 PM 8/5/02	<u>Extends</u> the commercial salmon fishing period 48 hours from 9:00 PM August 5 until 9:00 PM August 7 in the South Central District, Southwestern and Unimak Districts. <u>Increased</u> closed waters, the closed waters of Thin Point Lagoon and Middle Lagoon back to being as described in the regulation book effective 9:00 PM August 5.
SP-40	10:00 AM 8/5/02	9:00 PM 8/5/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District for 48 hours from 9:00 PM August 5 until 9:00 PM August 7.
CB-61	4:45 PM 8/6/02	9:00 PM 8/7/02	<u>Extends</u> the commercial salmon fishing period 24 hours from 9:00 PM August 7 until 9:00 PM August 8 in the South Central District, Southwestern and Unimak Districts.
SP-41	10:00 AM 8/7/02	9:00 PM 8/7/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District for 24 hours from 9:00 PM August 7 until 9:00 PM August 8.
CB-62	7:30 PM 8/7/02	6:00 PM 8/8/02	<u>Extends</u> the commercial salmon fishing period 48 hours from 9:00 PM August 8 until 9:00 PM August 10 in the South Central, Southwestern and Unimak Districts.
SP-42	10:00 AM 8/8/02	9:00 PM 8/8/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District for 24 hours from 9:00 PM August 8 until 9:00 PM August 9.
CB-63	8:30 AM 8/9/02	6:00 PM 8/9/02	<u>Reduces</u> closed waters of McGinty's Creek and Deadman's Cove Creek to waters upstream of the stream terminus at the ocean shoreline from 6:00 PM August 9 through August 31.
SP-43	10:00 AM 8/9/02	9:00 PM 8/9/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District for 24 hours from 9:00 PM August 9 until 9:00 PM August 10.

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E.O.#	Issued	Effective	Action Taken
CB-64	7:30 PM 8/9/02	8:00 AM 8/10/02	<u>Extends</u> commercial salmon fishing time 48 hours from 9:00 PM August 10 until 9:00 PM August 12 in that part of the Southwestern District outside the Volcano Bay Section, the South Central and Unimak Districts, and the Bechevin Bay Section <u>Reduces</u> the closed waters in all streams in Little Coal Bay to include only those waters upstream from the stream terminus at the ocean shoreline effective 8:00 AM August 10 through August 31.
SP-44	10:00 AM 8/10/02	9:00 PM 8/10/02	<u>Extends</u> the existing commercial salmon fishing period in the Southeastern District for 48 hours until 9:00 PM August 12.
CB-66	7:30 PM 8/11/02	9:00 PM 8/12/02	<u>Extends</u> the commercial salmon fishing time 48 hours from 9:00 PM until 9:00 PM August 14 in that part of the Southwestern District outside the Volcano Bay Section, the South Central and Unimak Districts. <u>Allows</u> a 37-hour commercial salmon fishing period from 8:00 AM August 13 until 9:00 PM August 14 in the Volcano Bay Section. <u>Reduces</u> the closed waters of Thin Point Cove to include only those waters within 1,000 yards of the Thin Point Lagoon outlet terminus and within 500 yards of the other salmon stream emptying into Thin Point Cove from 8:00 AM August 13 through August 31. <u>Reduces</u> the closed waters of Middle Lagoon to include only those waters north of 55° 05.00' N. lat. effective 8:00 AM August 13 through August 31.
SP-45	11:30AM 8/12/02	9:00 PM 8/12/02	<u>Extends</u> the existing commercial salmon fishing period in the Shumagin Islands Section of the Southeastern District for 48 hours from 9:00 PM August 12 until 9:00 PM August 14.
SP46	8:00 PM 8/13/02	9:00 AM 8/14/02	<u>Allows</u> a 36-hour commercial salmon fishing period from 9:00 AM August 14 until 9:00 PM August 15 in the East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections of the Southeastern District. <u>Increases</u> the closed waters associated with Orzinski River to within 500 yards of its marine terminus.

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E.O.#	Issued	Effective	Action Taken
CB-67	8:00 PM 8/13/02	NOON 8/14/02	<u>Extends</u> the commercial salmon fishing time 48 hours from 9:00 PM August 14 until 9:00 PM August 16 in that part of the Southwestern District outside the Volcano Bay Section, the South Central and Unimak Districts. <u>Reduces</u> the closed waters in Sandy Cove to include only those waters upstream from the stream terminus at the ocean shoreline from NOON August 14 through August 31. <u>Increases</u> the closed waters of Lenard Harbor to include all waters south of 55° 07.47' N. lat effective NOON August 14.
SP-47	11:30 AM 8/14/02	9:00 PM 8/14/02	<u>Extends</u> the existing commercial salmon fishing period in the Shumagin Islands Section of the Southeastern District for 24 hours from 9:00 PM August 14 until 9:00 PM August 15.
SP-48	10:00 AM 8/15/02	9:00 PM 8/15/02	<u>Extends</u> the existing commercial salmon fishing period in the Southeastern District, except for the Stepovak Flats Section for 48 hours from 9:00 PM August 15 until 9:00 PM August 17.
CB-69	7:30 PM 8/15/02	9:00 PM 8/16/02	<u>Extends</u> the commercial salmon fishing time 48 hours from 9:00 PM August 16 until 9:00 PM August 18 in that part of the Southwestern District outside the Volcano Bay Section, the South Central and Unimak Districts, and the Bechevin Bay Section. <u>Allows</u> a 37-hour commercial salmon fishing period from 8:00 AM August 17 until 9:00 PM August 18 in the Volcano Bay Section.
CB-70	9:30 AM 8/17/02	4:00 PM 8/17/02	<u>Reduces</u> the closed waters of the stream located between Ikatan Point and East Anchor Cove, locally known as Salmon Ranch, waters upstream of the terminus at the ocean shoreline from 4:00 PM August 17 through August 31.
SP-49	10:00 AM 8/17/02	9:00 PM 8/17/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District, except for the Stepovak Flats Section for 48 hours until 9:00 PM August 19.
CB-71	7:30 PM 8/17/02	9:00 PM 8/18/02	<u>Extends</u> the commercial salmon fishing period 48 hours from 9:00 PM August 18 until 9:00 PM August 20 in the South Central, Southwestern and Unimak Districts. <u>Increases</u> the closed waters of Middle Lagoon and Thin Point Cove are back to being as described in the regulation book effective 9:00 PM August 18.
SP-50	10:00 AM 8/19/02	9:00 PM 8/19/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District, except for the Stepovak Flats Section for 48 hours from 9:00 PM August 20 until 9:00 PM August 21.
CB-72	4:45 PM 8/19/02	8:00 AM 8/20/02	<u>Extends</u> the commercial salmon fishing period 24 hours from 9:00 PM August 20 until 9:00 PM August 21 in the South Central, Southwestern and Unimak Districts. <u>Reduces</u> the closed waters of Lenard Harbor back to being as described in the regulation book effective 8:00 AM August 20.

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E.O.#	Issued	Effective	Action Taken
CB-74	4:45 PM 8/20/02	9:00 AM 8/21/02	<u>Extends</u> the commercial salmon fishing period 24 hours from 9:00 PM August 21 until 9:00 PM August 22 in the South Central, Southwestern and Unimak Districts.
CB-76	9:15 AM 8/21/02	9:00 AM 8/22/02	<u>Extends</u> the commercial salmon fishing period 24 hours from 9:00 PM August 22 until 9:00 PM August 23 in the South Central, Southwestern and Unimak Districts.
CB-78	7:00 PM 8/28/02	8:00 AM 8/31/02	<u>Allows</u> a 84-hour commercial salmon fishing period from 8:00 AM August 31 until 8:00 PM September 3 in the Northwestern, Unimak, and Southwestern Districts and that portion of the South Central district located south of 55° 24.48' N. lat., which is the latitude of Black Point. <u>Increases</u> the closed waters of King Cove to include all waters north of 55° 03.00' N. lat. from 8:00 AM August 31 through September 30. <u>Reduces</u> the closed waters of Thin Point Cove to include only those waters within 1,000 yards of the Thin Point Lagoon outlet terminus and within 500 yards of the other salmon stream emptying into Thin Point Cove from 8:00 AM August 31 through September 30. <u>Reduces</u> the closed waters of Sandy Cove Creek to include only those waters upstream from the terminus at the ocean shoreline from 8:00 AM August 31 through September 30.
SP-51	10:00 AM 8/29/02	9:00 AM 9/1/02	<u>Allows</u> a commercial salmon fishing period in the Southeastern District for 59 hours from 9:00 AM September 1 until 8:00 PM September 3.
SP-52	10:00 AM 8/29/02	9:00 AM 9/1/02	<u>Extends</u> the closed waters in the East Stepovak Section, as described under 5 AAC 09.350 (37), from September 1 through October 31.
SP-53	10:00 AM 9/3/02	8:00 PM 9/3/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District for 48 hours from 8:00 PM September 3 until 8:00 PM September 5.
CB-80	7:45 PM 9/5/02	9:00 AM 9/7/02	<u>Allows</u> a 59-hour commercial salmon fishing period from 9:00 AM September 7 until 8:00 PM September 9 in the Northwestern, Southwestern Districts and South Central Districts.
SP-54	10:00 AM 9/6/02	9:00 AM 9/8/02	<u>Allows</u> a commercial salmon fishing period in the Southeastern District for 59 hours from 9:00 AM September 8 until 8:00 PM September 10.
SP-55	10:00 AM 9/6/02	9:00 AM 9/8/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District for 24 hours from 8:00 PM September 10 until 8:00 PM September 11.

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E.O.#	Issued	Effective	Action Taken
SP-56	10:00 AM 9/11/02	8:00 PM 9/11/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District for 24 hours from 8:00 PM September 11 until 8:00 PM September 12.
SP-57	10:00 AM 9/13/02	9:00 AM 9/15/02	<u>Allows</u> a commercial salmon fishing period in the Southeastern District for 59 hours from 9:00 AM September 15 until 8:00 PM September 17.
SP-58	10:00 AM 9/20/02	9:00 AM 9/22/02	<u>Allows</u> a commercial salmon fishing period in the Southeastern District for 59 hours from 9:00 AM September 22 until 8:00 PM September 24.
SP-59	10:00 AM 9/24/02	8:00 PM 9/24/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District for 24 hours from 8:00 PM September 24 until 8:00 PM September 25.
SP-60	9:00 AM 8/25/02	8:00 PM 9/25/02	<u>Extends</u> the commercial salmon fishing period in the Southeastern District for 24 hours from 8:00 PM September 25 until 8:00 PM September 26.
SP-61	1:00 PM 9/27/02	9:00 AM 9/29/02	<u>Allows</u> a commercial salmon fishing period in the Southeastern District for 59 hours from 9:00 AM September 29 until 8:00 PM October 1.

Note: CB = emergency order issued from Cold Bay office  
 SP = emergency order issued from Sand Point office

Appendix B.1. South Unimak and Shumagin Islands June commercial sockeye and chum salmon harvest, all gear combined, by year, 1911-2002.

Year	Sockeye			Chum		
	South Unimak	Shumagin Islands	Total	South Unimak	Shumagin Islands	Total
1911	58,000	3,000	61,000			
1912	144,000	31,000	175,000			
1913	415,000	0	415,000			
1914	610,000	0	610,000			
1915	251,000	0	251,000			
1916	539,000	0	539,000			
1917	1,322,000	34,000	1,356,000			
1918	733,000	44,000	777,000			
1919	545,000	32,000	577,000			
1920	954,000	60,000	1,014,000			
1921	831,000	0	831,000			
1922	2,775,000	550,000	3,325,000			
1923	1,340,000	343,000	1,683,000			
1924	971,000	237,000	1,208,000			
1925	357,000	374,000	731,000	Information Unavailable		
1926	1,898,000	491,000	2,389,000			
1927	455,000	185,000	640,000			
1928-1933 Unavailable						
1934	516,000	1,019,000	1,535,000			
1935	210,000	549,000	759,000			
1936	1,531,000	1,490,000	3,021,000			
1937	803,000	498,000	1,301,000			
1938	164,000	454,000	618,000			
1939	474,000	707,000	1,181,000			
1940	479,000	713,000	1,192,000			
1941	206,000	294,000	496,000			
1942	152,000	412,000	546,000			
1943	428,000	1,356,000	1,784,000			
1944	188,000	264,000	452,000			
1945	218,000	375,000	593,000			
1946	342,000	257,000	599,000			
1947	782,000	229,000	1,011,000			
1948	276,000	126,000	402,000			
1949	84,000	167,000	251,000			
1950	292,000	134,000	426,000			
1951	82,000	35,000	117,000			
1952	191,000	121,000	312,000			
1953	191,000	105,000	296,000			
1954	325,000	49,000	374,000			
1955	315,000	52,000	367,000			
1956	290,000	47,000	337,000			
1957	50,000	44,000	94,000			
1958	104,000	28,000	132,000			
1959	58,000	78,000	136,000			

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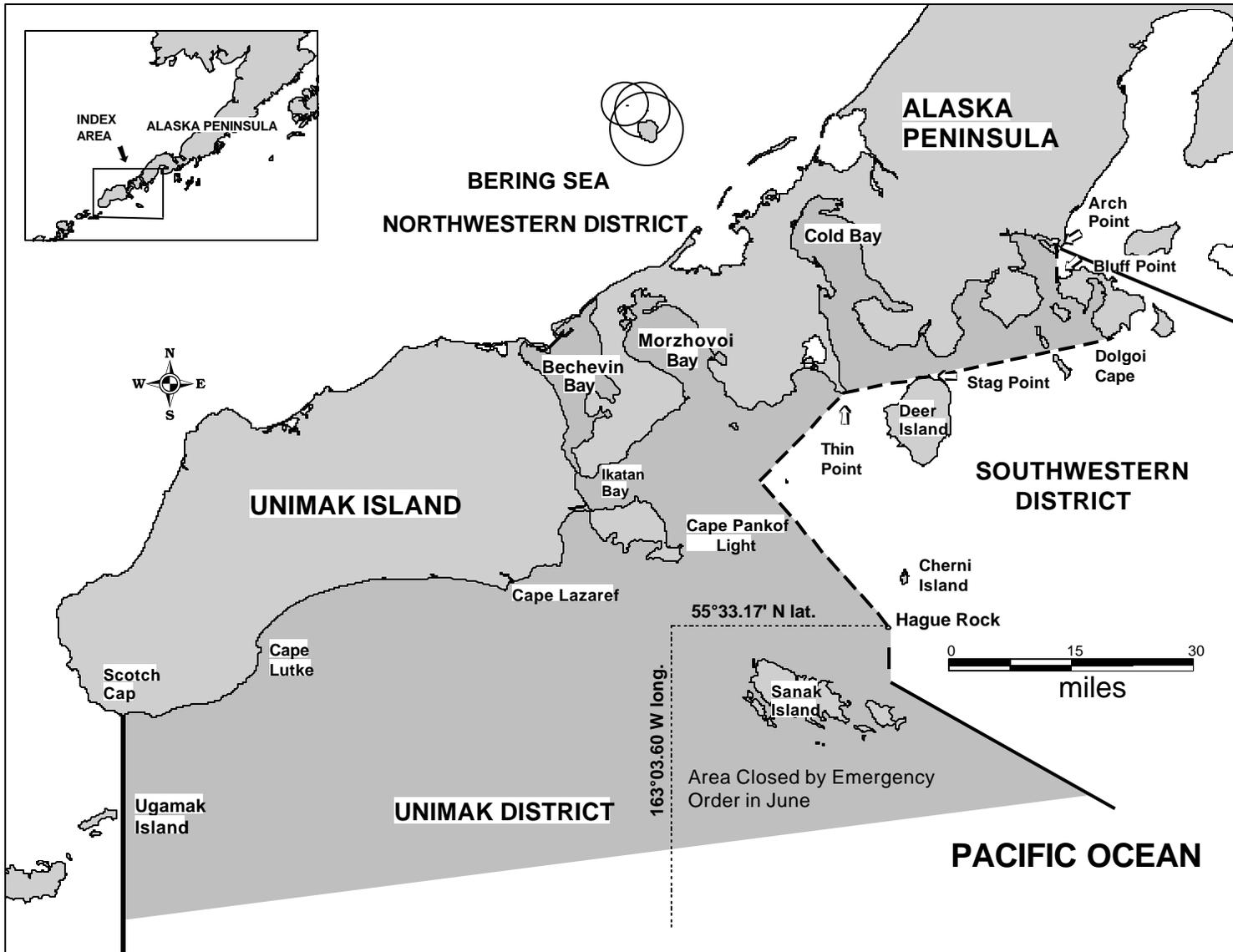
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Year	Sockeye			Chum		
	South Unimak	Shumagin Islands	Total	South Unimak	Shumagin Islands	Total
1960	137,000	19,000	156,000	84,000	11,000	95,000
1961	199,000	55,000	254,000	157,000	36,000	193,000
1962	272,000	54,000	326,000	209,000	61,000	270,000
1963	116,000	33,000	149,000	36,000	36,000	72,000
1964	159,000	85,000	244,000	161,000	67,000	228,000
1965	568,000	207,000	775,000	121,000	45,000	166,000
1966	528,000	54,000	582,000	215,000	17,000	232,000
1967	186,000	69,000	255,000	73,000	51,000	124,000
1968	342,000	233,000	575,000	115,000	51,000	166,000
1969	781,000	76,000	857,000	254,000	13,000	267,000
1970	1,510,373	139,735	1,650,108	391,568	44,909	436,477
1971	422,760	39,341	462,101	405,311	103,886	509,197
1972	426,799	74,398	501,197	411,000	107,810	518,810
1973	222,124	22,964	245,088	177,720	22,910	200,630
1974	Fishery closed due to anticipated poor sockeye salmon returns to Bristol Bay					
1975	190,774	49,325	240,099	65,279	35,543	100,822
1976	231,568	72,016	303,584	336,161	74,109	410,270
1977	194,807	45,912	240,719	94,097	21,899	115,996
1978	418,935	67,876	486,811	103,413	18,479	121,892
1979	672,212	179,139	851,351	63,150	40,953	104,103
1980	2,731,148	475,127	3,206,275	458,499	50,366	508,865
1981	1,470,393	350,572	1,820,965	509,876	54,071	563,947
1982	1,668,153	450,548	2,118,701	933,728	161,316	1,095,044
1983	1,545,075	416,494	1,961,569	616,354	169,277	785,631
1984	1,131,365	256,838	1,388,203	227,913	109,207	337,120
1985	1,454,969	336,431	1,791,400	324,825	109,004	433,829
1986	315,370	156,027	471,397	252,721	99,048	351,769
1987	652,397	140,567	792,964	405,955	37,064	443,019
1988	474,457	282,230	756,687	464,765	61,946	526,711
1989	1,347,547	396,958	1,744,505	407,635	47,528	455,163
1990	1,088,944	255,585	1,344,529	455,044	63,501	518,545
1991	1,215,658	333,272	1,548,930	670,103	102,602	772,705
1992	2,046,022	411,834	2,457,856	323,891	102,312	426,203
1993	2,366,573	607,171	2,973,744	381,941	150,306	532,247
1994	1,001,250	460,013	1,461,263	374,409	207,756	582,165
1995	1,451,490	653,831	2,105,321	342,307	195,126	537,433
1996	572,495	456,475	1,028,970	129,889	229,931	359,820
1997	1,179,179	449,002	1,628,181	196,016	126,309	322,325
1998	974,628	314,097	1,288,725	195,454	50,165	245,619
1999	1,106,208	269,191	1,375,399	186,886	58,420	245,306
2000	892,016	359,212	1,251,228	168,888	70,469	239,357
2001	121,547	29,085	150,632	36,099	12,251	48,350
2002	356,157	234,949	591,106	201,211	177,606	378,817

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Year	Sockeye			Chum		
	South Unimak	Shumagin Islands	Total	South Unimak	Shumagin Islands	Total
1982-2001 Average	1,130,267	351,743	1,482,010	354,741	108,177	462,918
1992-2001 Average	1,171,141	400,991	1,572,132	233,578	120,305	353,883



Appendix B.2. Map of the South Unimak June fishery wity area open to fishing defined.

Appendix B.3. History of regulations for the South Unimak and Shumagin Islands June commercial salmon fisheries, 1962-2002.

Year	South Unimak	Shumagin Islands
1962-66	5 days per week	5 days per week
1967-70	7 days per week	7 days per week
1971-72	6:00 A.M. Monday - 6:00 A.M. Saturday	7 days per week
1973	<sup>a</sup> Four 13 hour fishing periods per week	<sup>a</sup> Four 13 hour fishing periods per week.
1974	No fishery	No fishery
1975-83	<sup>b</sup> 6.8% of predicted Bristol Bay catch	1.5% of predicted Bristol Bay catch
1984-89	No more than 96 hours per 7 day period and no more than 72 hours of consecutive fishing time in each fishery (windows).	
1986	<sup>b</sup> 6.8% allocation minus June 26-30 segment Windows No fishing before June 11	1.5% allocation minus June 26-30 segment Windows No fishing before June 11
A 400,000 chum salmon ceiling placed on both fisheries combined.		
1987	<sup>b</sup> Same as during 1984-85 for both fisheries.	
1988-89	<sup>b</sup> 6.8% of predicted Bristol Bay catch	1.5% of predicted Bristol Bay catch
	<u>Windows</u>	<u>Windows</u>
	<u>Dates</u>	<u>South Unimak</u>
		<u>Shumagin Islands</u>
	June 1 - 11	5%
		9%
	June 12 - 18	29%
		28%
	June 19 - 25	51%
		41%
	June 26 - 30	<u>15%</u>
		<u>22%</u>
		100%
		100%

A 500,000 chum salmon ceiling placed on both fisheries combined.

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1990-91 The chum salmon ceiling was increased from 500,000 to 600,000.

The "Window Regulations" implemented in 1984 to limit the amount of fishing time that could be allowed were repealed.

The season was delayed until June 13 and the time period sockeye allocations for both fisheries were changed as follow:

June 13-18	35%
June 19-25	45%
June 26-30	20%

The gear depth for seines was limited to 375 meshes of which mesh size may not exceed 3-1/2 inches except for the first 25 meshes above the lead line which may not exceed 7 inches.

The gear depth on gillnets along the South Peninsula was limited to no more than 90 meshes.

Seine leads may not exceed 150 fathoms for the entire Alaska Peninsula.

1992-93 The chum salmon ceiling was increased from 600,000 to 700,000 fish. Fishing time for set gillnet gear could not be less than 16 hours unless a 16 hour period would result in a harvest that exceeded the cap for chum salmon. The other regulations were the same as in effect for 1990 and 1991.

1994 Sockeye salmon time period allocations eliminated. ADF&G given flexibility to open fishery prior to June 13 if sockeye to chum salmon ratios are favorable.

1995-97 The amount fishing time allowed for seine and drift gillnet gear after June 24 is limited if the sockeye to chum salmon ratio is two to one or less.

The Board of Fisheries stated it's intent that the maximum harvest or less of 700,000 chum salmon supersedes attempts to reach the sockeye guideline harvest levels.

The fisheries could not be extended into July regardless of weather during late June.

Fishery cannot begin prior to June 11.

Removed mesh size requirements for gillnets.

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Dates	South Unimak	Shumagin Islands
1998-2000	<p>The chum salmon ceiling was lowered from 700,000 to a GHL (floating cap) that can range between 350,000 and 650,000.</p> <p>A commercial fishery for all gear types may open on June 10 if sockeye to chum salmon ratios are favorable.</p> <p>In South Unimak District the shoreward end of set gillnet must be within one half mile of shore.</p> <p>All salmon caught must be retained and reported.</p> <p>Use of aircraft to locate salmon prohibited for the entire Alaska Peninsula for the</p>	
2001-present	<p>Eliminated the sockeye salmon guideline harvest levels.</p> <p>Eliminated the chum salmon guideline harvest levels.</p> <p>Limited fishing time to no more than 16 hours per day by any gear group.</p> <p>Limited total fishing time by seine and drift gillnet gear to no more than 48 hours in a floating seven day period with no more than two 16-hour periods on consecutive days in any seven day period.</p> <p>From June 10 through June 24 in the South Unimak and/or Shumagin Island Fisheries, set gillnet gear may fish on consecutive days for 16-hour fishing periods as long as the set gillnet sockeye to chum salmon ratios in that fishery are equal to or greater than the recent 10-year average for that fishery. If the set gillnet sockeye to chum salmon ratio falls below the recent 10-year average in either fishery, that fishery will be closed for one period. From June 10 through June 24, daily fishing periods for set gillnet gear will be from 6:00 AM until 10:00 PM.</p> <p>Purse seine and drift gillnet fishing periods through June 24 will occur at the same time in the South Unimak and Shumagin Islands fisheries.</p> <p>After June 24, in either the South Unimak or Shumagin Islands fishery if the ratio of sockeye to chum salmon by all gear combined is two to one or less on any day, the next fishing period shall be of six hours duration for all gear in that fishery. If the sockeye to chum salmon ratio is two to one or greater, a six-hour fishing period can be extended to a maximum of 16 hours. The South Unimak or Shumagin Islands fishery shall close for all gear groups if the ratio of sockeye to chum salmon is two to one or less for two consecutive fishing periods.</p>	

<sup>a</sup> Both fisheries were closed by emergency order during June 25-28 due to indications of the Bristol Bay run being below escapement requirements.

<sup>b</sup> Each sockeye allocation is broken down into time period guideline harvest levels.

Appendix B.4. South Unimak and Shumagin Islands June fisheries commercial salmon harvest, all gear combined, by species and year, 1970-2002.

Year	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	202	2,923	1,016	1,650,108	48	103,053	436,477	2,190,702
1971	166	1,986	828	462,101	1	19,240	509,197	991,367
1972	184	2,098	642	501,197	20	17,924	518,810	1,038,593
1973	141	1,042	247	245,088	28	19,430	200,630	465,423
1974 <sup>a</sup>	0	0	0	0	0	0	0	0
1975	108	510	117	240,099	1	5,247	100,822	346,286
1976	145	1,385	2,132	303,584	3	23,824	410,270	739,813
1977	130	817	521	240,719	0	5,398	115,996	362,634
1978	159	1,569	534	486,811	3	89,942	121,892	699,182
1979	196	1,695	1,050	851,351	290	154,813	104,103	1,111,607
1980	225	2,044	3,193	3,206,275	853	1,526,306	508,865	5,245,492
1981	243	2,400	5,672	1,820,965	320	451,250	563,947	2,842,154
1982	251	2,612	7,131	2,118,701	1,241	1,718,825	1,095,044	4,940,942
1983	281	1,721	13,456	1,961,569	4	55,875	785,631	2,816,535
1984	280	1,117	3,854	1,388,203	14	919,876	337,120	2,649,067
1985	305	2,120	5,777	1,791,400	2,468	106,615	433,829	2,340,089
1986	298	1,486	1,895	471,397	2	291,989	351,769	1,117,052
1987	290	2,019	5,163	792,964	380	16,982	443,019	1,258,508
1988	301	1,777	4,064	756,687	255	180,224	526,711	1,467,941
1989	305	1,350	2,758	1,744,505	0	199,235	455,163	2,401,661
1990	320	2,718	10,332	1,344,529	1	515,047	518,545	2,388,454
1991	334	2,025	4,473	1,548,930	12	619,137	772,705	2,945,257
1992	321	1,925	3,760	2,457,856	4	642,090	426,203	3,529,913
1993	327	2,262	9,466	2,973,744	1,233	81,136	532,247	3,597,826
1994	324	2,751	7,590	1,461,263	1,579	2,492,514	582,165	4,545,111
1995	332	3,635	14,747	2,105,321	6,042	178,635	537,433	2,842,178
1996	313	2,676	2,845	1,028,970	13,219	377,684	359,820	1,782,538
1997	292	3,174	5,811	1,628,181	560	605,937	322,325	2,562,814
1998	283	3,657	2,696	1,288,725	476	474,340	245,619	2,011,856
1999	277	2,114	3,051	1,375,399	2	30,539	245,306	1,654,297
2000	278	3,001	2,849	1,251,228	304	360,029	239,357	1,853,767
2001	128	270	345	150,632	2	39,251	48,350	238,580
2002	181	1,301	2,443	591,106	4	76,251	378,817	1,048,621
1982-2001 Average								
	292	2,221	5,603	1,482,010	1,390	495,298	462,918	2,447,219
1992-2001 Average								
	288	2,547	5,316	1,572,132	2,342	528,216	353,883	2,461,888

<sup>a</sup> The South Unimak and Shumagin Island fisheries were closed in 1974 due to a weak Bristol Bay run.

Appendix B.5. South Unimak June commercial salmon harvest, all gear combined, by species and year, 1970-2002.

Year	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	176	2,624	868	1,510,373	46	83,325	391,568	1,986,180
1971	147	1,685	549	422,760	0	11,608	405,311	840,228
1972	165	1,771	400	426,799	4	11,906	411,000	850,109
1973	132	922	145	222,124	11	11,152	177,720	411,152
1974 <sup>a</sup>	0	0	0	0	0	0	0	0
1975	98	445	101	190,774	1	3,205	65,279	259,360
1976	131	1,184	1,827	231,568	3	18,181	336,161	587,740
1977	118	740	393	194,807	0	3,397	94,097	292,694
1978	140	1,337	267	418,935	3	47,380	103,413	569,998
1979	156	1,303	575	672,212	38	49,000	63,150	784,975
1980	188	1,666	2,927	2,731,148	853	1,140,611	458,499	4,334,038
1981	225	2,096	4,455	1,470,393	83	325,002	509,876	2,309,809
1982	225	2,313	5,577	1,668,153	1,241	1,032,154	933,728	3,640,853
1983	253	1,410	8,179	1,545,075	1	40,441	616,354	2,210,050
1984	226	814	2,024	1,131,365	0	470,688	227,913	1,831,990
1985	255	1,596	4,101	1,454,969	2	69,811	324,825	1,853,708
1986	236	1,093	1,363	315,370	1	150,674	252,721	720,129
1987	229	1,738	4,017	652,397	380	11,342	405,955	1,074,091
1988	211	1,144	2,125	474,457	11	86,678	464,765	1,028,036
1989	266	1,035	2,263	1,347,547	0	154,168	407,635	1,911,613
1990	266	2,133	8,464	1,088,944	1	444,249	455,044	1,996,702
1991	267	1,628	3,066	1,215,658	5	500,922	670,103	2,389,754
1992	273	1,597	2,373	2,046,022	3	501,127	323,891	2,873,416
1993	245	1,681	4,587	2,366,573	506	37,735	381,941	2,791,342
1994	265	1,927	4,468	1,001,250	1,271	1,731,741	374,409	3,113,139
1995	241	2,575	7,850	1,451,490	5,102	119,094	342,307	1,925,843
1996	230	1,797	1,228	572,495	11,730	146,799	129,889	862,141
1997	225	2,299	3,041	1,179,179	501	332,262	196,016	1,710,999
1998	196	2,432	1,259	974,628	312	125,906	195,454	1,297,559
1999	224	1,741	2,258	1,106,208	1	20,302	186,886	1,315,655
2000	242	2,587	2,064	892,016	303	210,521	168,888	1,273,792
2001	105	243	134	121,547	2	31,812	36,099	189,594
2002	119	783	433	356,157	3	33,789	201,211	591,593
1982-2001 Average								
	234	1,689	3,522	1,130,267	1,069	310,921	354,741	1,800,520
1992-2001 Average								
	225	1,888	2,926	1,171,141	1,973	325,730	233,578	1,735,348

<sup>a</sup> The South Unimak and Shumagin Island fisheries were closed in 1974 due to a weak Bristol Bay run.

Appendix B.6 Shumagin Islands June commercial salmon harvest, all gear combined, by species and year, 1970-2002.

Year	Permit	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	40	299	148	139,735	2	19,728	44,909	204,522
1971	31	301	279	39,341	1	7,632	103,886	151,139
1972	32	327	242	74,398	16	6,018	107,810	188,484
1973	21	120	102	22,964	17	8,278	22,910	54,271
1974 <sup>a</sup>	0	0	0	0	0	0	0	0
1975	20	65	16	49,325	0	2,042	35,543	86,926
1976	30	201	305	72,016	0	5,643	74,109	152,073
1977	25	77	128	45,912	0	2,001	21,899	69,940
1978	30	232	267	67,876	0	42,562	18,479	129,184
1979	48	411	475	182,816	362	107,862	43,133	334,648
1980	54	378	266	475,127	0	385,695	50,366	911,454
1981	43	304	1,217	350,572	237	126,248	54,071	532,345
1982	48	299	1,554	450,548	0	686,671	161,316	1,300,089
1983	69	311	5,277	416,494	3	15,434	169,277	606,485
1984	99	303	1,830	256,838	14	449,188	109,207	817,077
1985	110	524	1,676	336,431	2,466	36,804	109,004	486,381
1986	72	393	532	156,027	1	141,315	99,048	396,923
1987	97	281	1,146	140,567	0	5,640	37,064	184,417
1988	97	633	1,939	282,230	244	93,546	61,946	439,905
1989	104	315	495	396,958	0	45,067	47,528	490,048
1990	95	585	1,868	255,585	0	70,798	63,501	391,752
1991	101	397	1,407	333,272	7	118,215	102,602	555,503
1992	103	328	1,387	411,834	1	140,963	102,312	656,497
1993	106	581	4,879	607,171	727	43,401	150,306	806,484
1994	106	824	3,122	460,013	308	760,773	207,756	1,431,972
1995	102	1,060	6,897	653,831	940	59,541	195,126	916,335
1996	111	879	1,617	456,475	1,489	230,885	229,931	920,397
1997	99	875	2,770	449,002	59	273,675	126,309	851,815
1998	91	1,225	1,437	314,097	164	348,434	50,165	714,297
1999	86	373	793	269,191	1	10,237	58,420	338,642
2000	86	414	785	359,212	1	149,508	70,469	579,975
2001	23	27	211	29,085	0	7,439	12,251	48,986
2002	64	518	2,010	234,949	1	42,462	177,606	457,028
1982-2001 Average								
	90	531	2,081	351,743	321	184,377	108,177	646,699
1992-2001 Average								
	91	659	2,390	400,991	369	202,486	120,305	726,540

<sup>a</sup> The South Unimak and Shumagin Island fisheries were closed in 1974 due to a weak Bristol Bay run.

Appendix B.7. South Unimak and Shumagin Islands June fisheries, number of fishing days and hours open to commercial fishing by year and gear, 1975-2002.

Year	South Unimak <sup>ab</sup>				Shumagin Islands <sup>a</sup>			
	set gillnet		drift and seine		set gillnet		seine	
	Days	Hours	Days	Hours	Days	Hours	Days	Hours
1975	10	240	10	240	9	207	9	207
1976 <sup>c</sup>	19	456	19	456	13	312	13	312
1977	17	408	17	408	11	264	11	264
1978	23	552	23	552	23	552	23	552
1979 <sup>d</sup>	33	786	33	786	27	642	27	642
1980	30	720	30	720	30	720	30	720
1981	24	576	24	576	22	528	22	528
1982	30	720	30	720	24	576	24	576
1983	11	264	11	264	10	228	10	228
1984	5	110	5	110	6	134	6	134
1985	9	144	9	144	9	140	9	140
1986	8	148	8	148	8	160	8	160
1987	12	224	12	224	6	92	6	92
1988	8	112	8	112	9	153	9	153
1989	5	84	5	84	4	72	4	72
1990	13	281	13	281	9	200	9	200
1991	8	161	8	161	5	88	5	88
1992	8	139	8	139	5	42.5	5	42.5
1993	10	176	10	176	7	131	7	131
1994	14	281	14	262	13	262	13	249
1995	18	378	18	370	17	347	17	341
1996	16	378	16	372	13	306	13	276
1997	18	418	18	418	14	281	14	235
1998	18	424	18	424	18	418	16	344
1999	11	234	10	217	6	127	6	127
2000	18	426	18	426	8	176	8	176
2001 <sup>e</sup>								
2002	11	176	9	144	10	150	9	134
Average 1982-2000								
	13	269	13	266	11	223	11	215
Average 1992-2000								
	14	302	14	297	11	218	10	201

<sup>a</sup> From 1992-2000, set gillnet gear was guaranteed 16 hours per fishing period regardless of the other gear types. Starting in 2001, set net fishing periods after June 24 could vary in length to be 16 hours in but were guaranteed length in the earlier part of the season.

<sup>b</sup> Prior to 1996, openings in the Cape Lutke Section were not synchronous with periods elsewhere in the South Unimak Fishery. Fishing time in those years was listed as anytime fishing occurred anywhere in the fishery.

<sup>c</sup> In 1976, the South Unimak fishery was extended through July 1 to compensate for fishing time lost at the end of June due to adverse weather conditions.

<sup>d</sup> In 1979, the South Unimak fishery was extended through July 3 to compensate for fishing time lost at the end of June due to adverse weather conditions.

<sup>e</sup> Due to lengthy price negotiations and changes in the management plan in 2001, fishing effort was absent during many of the open fishing periods. This makes comparisons of fishing time with past years, in this format, invalid.

Appendix B.8. South Unimak and Shumagin Islands commercial sockeye and chum salmon harvests, all gear combined, by day, 2002.

Date	South Unimak			Shumagin Islands			Combined	
	Sockeye	Chum	S/C Ratio	Sockeye	Chum	S/C Ratio	Sockeye	Chum
10-Jun	11,782	15,777	0.7	11,201	8,247	1.4	22,983	24,024
11-Jun	908	757	1.2	4,497	654	6.9	5,405	1,411
12-Jun	26,805	33,989	0.8	8,412	12,465	0.7	35,217	46,454
13-Jun	2,954	2,108	1.4	7,914	781	10.1	10,868	2,889
14-Jun	33,428	31,088	1.1	26,078	20,417	1.3	59,506	51,505
15-Jun	4,786	2,107	2.3	9,059	1,476	6.1	13,845	3,583
17-Jun	86,354	31,279	2.8	61,247	32,057	1.9	147,601	63,336
18-Jun	6,845	1,467	4.7	<sup>a</sup>			6,845	1,467
19-Jun	53,448	17,873	3.0	23,954	24,212	1.0	77,402	42,085
20-Jun	3,368	1,208	2.8	<sup>a</sup>			3,368	1,208
21-Jun	48,327	28,787	1.7	23,245	9,868	2.4	71,572	38,655
22-Jun	2,437	995	2.4	<sup>a</sup>			2,437	995
23-Jun	<sup>a</sup>			2,737	535	5.1	2,737	535
24-Jun	34,680	10,342	3.4	19,659	32,527	0.6	54,339	42,869
26-Jun	19,122	8,449	2.3	18,367	16,926	1.1	37,489	25,375
28-Jun	20,913	14,985	1.4	18,579	17,441	1.1	39,492	32,426
Total	356,157	201,211	1.8	234,949	177,606	1.3	591,106	378,817

<sup>a</sup> Closed to commercial fishing.

Appendix B.9. South Unimak June commercial salmon harvest, all gear combined, by species and day, 2002.

Catch Date	Number of Salmon							Total
	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	
10-Jun	73	81	86	11,782	3	3,339	15,777	30,987
11-Jun	4	4	4	908	0	0	757	1,669
12-Jun	86	98	80	26,805	0	5,969	33,989	66,843
13-Jun	11	15	26	2,954	0	41	2,108	5,129
14-Jun	80	86	29	33,428	0	4,272	31,088	68,817
15-Jun	7	7	19	4,786	0	46	2,107	6,958
17-Jun	99	117	46	86,354	0	8,151	31,279	125,830
18-Jun	13	16	8	6,845	0	15	1,467	8,335
19-Jun	94	111	25	53,448	0	6,669	17,873	78,015
20-Jun	9	9	10	3,368	0	10	1,208	4,596
21-Jun	90	103	44	48,327	0	2,581	28,787	79,739
22-Jun	7	7	0	2,437	0	0	995	3,432
24-Jun	38	38	38	34,680	0	942	10,342	46,002
26-Jun	47	48	6	19,122	0	977	8,449	28,554
28-Jun	43	43	12	20,913	0	777	14,985	36,687
<b>Total</b>	<b>119</b>	<b>783</b>	<b>433</b>	<b>356,157</b>	<b>3</b>	<b>33,789</b>	<b>201,211</b>	<b>591,593</b>

Appendix B.10. South Unimak June commercial purse seine salmon harvest by species and day, 2002.

Catch Date	Number of Salmon							
	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
10-Jun	10	10	31	1,612	0	3,097	5,215	9,955
12-Jun	14	14	51	3,544	0	5,300	11,327	20,222
14-Jun	9	9	5	4,656	0	4,029	5,440	14,130
17-Jun	15	15	21	18,175	0	7,791	5,820	31,807
19-Jun	17	17	10	13,699	0	6,474	3,253	23,436
21-Jun	14	14	11	8,933	0	2,412	4,147	15,503
24-Jun	6	6	20	11,223	0	933	4,760	16,936
26-Jun	8	8	0	4,589	0	807	1,788	7,184
28-Jun	6	6	6	6,138	0	660	4,286	11,090
<b>Total</b>	<b>17</b>	<b>99</b>	<b>155</b>	<b>72,569</b>	<b>0</b>	<b>31,503</b>	<b>46,036</b>	<b>150,263</b>

Appendix B.11. South Unimak June commercial drift gillnet salmon harvest by species and day, 2002.

Catch Date	Number of Salmon							Total
	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	
10-Jun	57	62	47	9,244	3	227	10,295	19,816
12-Jun	72	84	29	23,261	0	669	22,662	46,621
14-Jun	71	77	24	28,772	0	243	25,648	54,687
17-Jun	74	92	18	64,593	0	328	24,898	89,837
19-Jun	77	94	15	39,749	0	195	14,620	54,579
21-Jun	77	90	33	40,085	0	169	24,782	65,069
24-Jun	31	31	18	22,975	0	9	5,568	28,570
26-Jun	30	31	6	12,026	0	165	6,052	18,249
28-Jun	31	31	6	13,952	0	8	10,554	24,520
<b>Total</b>	<b>86</b>	<b>592</b>	<b>196</b>	<b>254,657</b>	<b>3</b>	<b>2,013</b>	<b>145,079</b>	<b>401,948</b>

Appendix B.12. South Unimak June commercial set gillnet salmon harvest by species and day, 2002.

Catch Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
10-Jun	6	9	8	926	0	15	267	1,216
11-Jun	4	4	4	908	0	0	757	1,669
13-Jun	11	15	26	2,954	0	41	2,108	5,129
15-Jun	7	7	19	4,786	0	46	2,107	6,958
17-Jun	10	10	7	3,586	0	32	561	4,186
18-Jun	13	16	8	6,845	0	15	1,467	8,335
20-Jun	9	9	10	3,368	0	10	1,208	4,596
22-Jun	6	6	0	1,746	0	0	853	2,599
24-Jun	a	a	a	a	a	a	a	a
26-Jun	9	9	0	2,507	0	5	609	3,121
28-Jun	6	6	0	823	0	109	145	1,077
<b>Total</b>	<b>16</b>	<b>92</b>	<b>82</b>	<b>28,931</b>	<b>0</b>	<b>273</b>	<b>10,096</b>	<b>39,382</b>

<sup>a</sup> Confidentiality requirements prohibit releasing this information.

Appendix B.13. Shumagin Islands Section commercial salmon harvest, all gear combined, by species and day, 2002.

Catch Date	Permits	Landings	Number of Salmon					
			Chinook	Sockeye	Coho	Pink	Chum	Total
10-Jun	38	47	160	11,201	0	1,890	8,247	21,498
11-Jun	25	36	16	4,497	0	17	654	5,184
12-Jun	18	21	188	8,412	0	4,580	12,465	25,645
13-Jun	30	49	17	7,914	0	108	781	8,820
14-Jun	16	19	220	26,078	0	7,591	20,417	54,306
15-Jun	28	42	18	9,059	0	97	1,476	10,650
17-Jun	55	71	227	61,247	0	7,324	32,057	100,855
19-Jun	60	80	188	23,954	0	6,070	24,212	54,424
21-Jun	25	33	88	23,245	0	4,485	9,868	37,686
23-Jun	7	10	3	2,737	0	79	535	3,354
24-Jun	18	20	150	19,659	0	3,705	32,527	56,041
26-Jun	46	58	98	18,367	1	3,219	16,926	38,611
28-Jun	32	32	637	18,579	0	3,297	17,441	39,954
6-Jul	34	48	158	11,312	806	6,963	10,701	29,940
9-Jul	40	57	123	11,712	1,678	9,120	4,306	26,939
11-Jul	a	a	a	a	a	a	a	a
12-Jul	26	37	683	11,117	9,567	15,381	20,670	57,418
14-Jul	a	a	a	a	a	a	a	a
15-Jul	25	36	679	6,773	17,816	9,609	9,967	44,844
18-Jul	29	35	388	6,544	27,907	19,249	12,947	67,035
21-Jul	12	12	136	1,359	10,617	11,812	5,629	29,553
23-Jul	8	8	67	1,062	5,802	8,018	1,851	16,800
24-Jul	17	19	84	3,261	10,471	35,906	5,652	55,374
27-Jul	8	10	118	1,065	8,977	11,219	3,380	24,759
28-Jul	8	9	57	620	3,908	8,477	1,543	14,605
30-Jul	9	11	32	589	2,109	6,751	683	10,164
31-Jul	9	12	54	1,133	4,536	19,874	2,099	27,696
2-Aug	6	6	39	515	1,700	12,001	1,050	15,305
3-Aug	a	a	a	a	a	a	a	a
4-Aug	a	a	a	a	a	a	a	a
5-Aug	a	a	a	a	a	a	a	a
6-Aug	5	5	20	488	1,314	4,785	1,189	7,796
7-Aug	8	8	266	2,657	10,243	45,633	7,761	66,560
8-Aug	4	4	0	291	61	1,765	170	2,287
9-Aug	6	6	55	587	2,306	11,247	2,057	16,252
10-Aug	a	a	a	a	a	a	a	a
11-Aug	a	a	a	a	a	a	a	a
12-Aug	4	4	80	1,626	6,813	10,550	2,394	21,463
13-Aug	6	6	45	1,243	3,579	11,844	2,484	19,195
14-Aug	a	a	a	a	a	a	a	a
15-Aug	a	a	a	a	a	a	a	a
16-Aug	a	a	a	a	a	a	a	a
17-Aug	a	a	a	a	a	a	a	a

-Continued-

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Catch Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
19-Aug	a	a	a	a	a	a	a	a
1-Sep	a	a	a	a	a	a	a	a
2-Sep	a	a	a	a	a	a	a	a
3-Sep	a	a	a	a	a	a	a	a
5-Sep	a	a	a	a	a	a	a	a
Year								
Total	72	881	5,343	304,144	149,789	360,698	287,572	1,107,546
June								
Total	64	518	2,010	234,949	1	42,462	177,606	457,028

<sup>a</sup> Confidentiality requirements prohibit releasing this information.

Appendix B.14. Shumagin Islands Section commercial purse seine salmon harvest by species and day, 2002.

Date	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
10-Jun	15	16	152	6,044	0	1,852	7,765	15,813
12-Jun	18	21	188	8,412	0	4,580	12,465	25,645
14-Jun	16	19	220	26,078	0	7,591	20,417	54,306
17-Jun	19	23	224	53,118	0	7,191	30,317	90,850
19-Jun	18	21	178	16,633	0	5,917	22,995	45,723
21-Jun	18	20	86	20,112	0	4,459	9,585	34,242
24-Jun	18	20	150	19,659	0	3,705	32,527	56,041
26-Jun	18	21	86	13,532	0	2,968	15,567	32,153
28-Jun	17	17	632	16,547	0	3,206	16,767	37,152
6-Jul	13	15	154	6,504	777	5,571	9,917	22,923
9-Jul	16	18	107	7,091	1,600	6,976	3,607	19,381
11-Jul	a	a	a	a	a	a	a	a
12-Jul	11	12	676	5,833	9,257	11,986	19,426	47,178
14-Jul	a	a	a	a	a	a	a	a
15-Jul	8	9	507	3,149	17,516	6,840	9,329	37,341
18-Jul	14	14	387	4,401	27,520	16,500	12,490	61,298
21-Jul	10	10	136	1,140	10,490	10,784	5,545	28,095
23-Jul	6	6	67	985	5,802	7,739	1,809	16,402
24-Jul	11	11	84	2,422	10,356	32,536	5,236	50,634
27-Jul	6	6	117	694	8,881	10,319	3,109	23,120
28-Jul	4	4	56	471	3,801	7,520	1,307	13,155
30-Jul	a	a	a	a	a	a	a	a
31-Jul	4	4	54	531	4,512	17,364	1,826	24,287
2-Aug	a	a	a	a	a	a	a	a
5-Aug	a	a	a	a	a	a	a	a
6-Aug	a	a	a	a	a	a	a	a
7-Aug	5	5	266	2,334	10,179	43,921	7,576	64,276
8-Aug	a	a	a	a	a	a	a	a
9-Aug	5	5	55	471	2,306	10,907	1,982	15,721
10-Aug	a	a	a	a	a	a	a	a
11-Aug	a	a	a	a	a	a	a	a
12-Aug	a	a	a	a	a	a	a	a
13-Aug	a	a	a	a	a	a	a	a
14-Aug	a	a	a	a	a	a	a	a
15-Aug	5	5	18	894	4,453	10,398	2,392	18,155
16-Aug	a	a	a	a	a	a	a	a
17-Aug	a	a	a	a	a	a	a	a
Total	22	324	5,047	222,819	147,623	323,829	271,450	970,768
June								
Total	19	178	1,916	180,135	0	41,469	168,405	391,925

<sup>a</sup> Confidentiality requirements prohibit releasing this information.

Appendix B.15. Shumagin Islands Section commercial set gillnet salmon harvest by species and day, 2002.

Date	Permits	Landings	Chinook	Number of Salmon				Total
				Sockeye	Coho	Pink	Chum	
10-Jun	23	31	8	5,157	0	38	482	5,685
11-Jun	25	36	16	4,497	0	17	654	5,184
13-Jun	30	49	17	7,914	0	108	781	8,820
15-Jun	28	42	18	9,059	0	97	1,476	10,650
17-Jun	36	48	3	8,129	0	133	1,740	10,005
19-Jun	42	59	10	7,321	0	153	1,217	8,701
21-Jun	7	13	2	3,133	0	26	283	3,444
23-Jun	7	10	3	2,737	0	79	535	3,354
26-Jun	28	37	12	4,835	1	251	1,359	6,458
28-Jun	15	15	5	2,032	0	91	674	2,802
6-Jul	21	33	4	4,808	29	1,392	784	7,017
9-Jul	24	39	16	4,621	78	2,144	699	7,558
12-Jul	15	25	7	5,284	310	3,395	1,244	10,240
14-Jul	a	a	a	a	a	a	a	a
15-Jul	17	27	172	3,624	300	2,769	638	7,503
18-Jul	15	21	1	2,143	387	2,749	457	5,737
21-Jul	a	a	a	a	a	a	a	a
23-Jul	a	a	a	a	a	a	a	a
24-Jul	6	8	0	839	115	3,370	416	4,740
27-Jul	a	a	a	a	a	a	a	a
28-Jul	4	5	1	149	107	957	236	1,450
30-Jul	8	10	0	431	98	1,833	146	2,508
31-Jul	5	8	0	602	24	2,510	273	3,409
1-Aug	a	a	a	a	a	a	a	a
2-Aug	a	a	a	a	a	a	a	a
3-Aug	a	a	a	a	a	a	a	a
4-Aug	a	a	a	a	a	a	a	a
5-Aug	4	4	0	245	34	1,368	195	1,842
6-Aug	a	a	a	a	a	a	a	a
7-Aug	a	a	a	a	a	a	a	a
8-Aug	a	a	a	a	a	a	a	a
9-Aug	a	a	a	a	a	a	a	a
10-Aug	a	a	a	a	a	a	a	a
11-Aug	a	a	a	a	a	a	a	a
12-Aug	a	a	a	a	a	a	a	a
13-Aug	a	a	a	a	a	a	a	a
14-Aug	a	a	a	a	a	a	a	a
15-Aug	a	a	a	a	a	a	a	a
16-Aug	a	a	a	a	a	a	a	a
19-Aug	a	a	a	a	a	a	a	a
1-Sep	a	a	a	a	a	a	a	a
2-Sep	a	a	a	a	a	a	a	a
3-Sep	a	a	a	a	a	a	a	a
5-Sep	a	a	a	a	a	a	a	a
Year								
Total	50	562	296	81,504	2,274	36,869	16,154	137,097
June								
Total	45	340	94	54,814	1	993	9,201	65,103

<sup>a</sup> Confidentiality requirements prohibit releasing this information.

Appendix B.16. South Unimak and Shumagin Islands June fisheries commercial sockeye and chum salmon harvests in percent by gear type and year, 1970-2002.

Year	South Unimak						Shumagin Islands			
	Sockeye			Chum			Sockeye		Chum	
	Purse Seine	Drift Gillnet	Set Gillnet	Purse Seine	Drift Gillnet	Set Gillnet	Purse Seine	Set Gillnet	Purse Seine	Set Gillnet
1970	47.5	52.0	0.5	31.0	68.8	0.2	91.9	8.1	94.0	6.0
1971	25.3	74.7	0.0	19.5	80.5	0.0	89.4	10.6	96.8	3.2
1972	12.5	87.5	0.0	9.3	90.7	0.0	96.9	3.1	98.5	1.5
1973	9.6	90.2	0.2	6.6	93.3	0.1	87.3	12.7	94.3	5.7
1974 <sup>a</sup>	--	--	--	--	--	--	--	--	--	--
1975	22.9	77.0	0.1	28.9	71.1	0.0	97.4	2.6	97.4	2.6
1976	17.4	82.2	0.4	14.2	85.8	0.1	95.5	4.5	97.1	2.9
1977	15.2	84.3	0.5	10.5	89.3	0.2	94.9	5.1	99.0	1.0
1978	18.4	81.0	0.6	9.9	90.0	0.1	97.0	3.0	96.3	3.7
1979	70.6	29.2	0.2	30.1	69.8	0.1	92.4	7.6	95.7	4.3
1980	76.4	23.1	0.5	79.2	20.7	0.1	96.4	3.6	97.3	2.7
1981	50.7	47.1	2.1	63.5	36.2	0.3	94.8	5.2	98.7	1.3
1982	54.1	44.7	1.2	46.1	53.7	0.2	97.3	2.7	98.9	1.1
1983	60.5	38.8	0.7	65.9	34.0	0.1	97.4	2.6	99.6	0.4
1984	63.3	35.7	1.0	60.2	39.7	0.1	94.7	5.3	99.3	0.7
1985	61.3	38.0	0.7	38.7	61.1	0.2	94.8	5.2	96.0	4.0
1986	46.7	51.7	1.6	43.8	55.9	0.3	85.0	15.0	95.0	5.0
1987	36.5	61.5	2.0	38.3	61.1	0.6	76.0	24.0	93.4	6.6
1988	29.8	67.0	3.2	33.5	65.8	0.6	72.1	27.9	82.6	17.4
1989	59.4	38.0	2.5	52.1	47.3	0.7	90.9	9.1	93.6	6.4
1990 <sup>b</sup>	56.9	41.6	1.6	57.9	41.8	0.3	85.3	14.7	93.1	6.9
1991	53.5	44.4	2.1	61.2	38.2	0.6	80.6	19.4	93.3	6.7
1992	58.3	37.4	4.3	63.2	35.6	1.2	90.9	9.1	96.3	3.7
1993	59.1	38.1	2.8	66.2	31.6	2.2	87.5	12.5	97.9	2.1
1994	57.3	37.1	5.7	63.9	34.6	1.5	75.4	24.6	96.5	3.5
1995	42.1	54.6	3.2	47.1	50.5	2.5	81.5	18.5	93.7	6.3
1996	22.2	73.7	4.1	32.0	66.3	1.7	75.0	25.0	95.9	4.1
1997	14.8	76.0	9.2	30.1	65.1	4.8	75.5	24.5	93.8	6.2
1998	7.2	87.9	4.9	13.7	83.2	3.1	49.4	50.6	78.7	21.3
1999	21.0	75.7	3.3	28.0	68.9	3.1	74.3	25.7	93.2	6.8
2000	12.9	81.0	6.1	27.7	68.0	4.4	77.4	22.6	94.5	5.5
2001	14.1	78.6	7.3	15.8	79.4	4.8	84.9	15.1	93.1	6.9
2002	20.4	71.5	8.1	22.9	72.1	5.0	76.7	23.3	94.8	5.2
1971-1980 Average	29.8	69.9	0.3	23.1	76.8	0.1	94.1	5.9	96.9	3.1
1981-1990 Average	51.9	46.4	1.7	50.0	49.7	0.3	88.8	11.2	95.0	5.0
1992-2001 Average	30.9	64.0	5.1	38.8	58.3	2.9	77.2	22.8	93.3	6.7

<sup>a</sup> No fishery due to poor sockeye salmon returns to Bristol Bay.

<sup>b</sup> Gear depth limitations in effect beginning in 1990.

Appendix B.17. South Unimak June fishery commercial sockeye salmon harvests in number of fish and percent by gear type and year, 1970-2002.

Year	Purse Seine		Drift Gillnet		Set Gillnet		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	717,189	47.5	784,956	52.0	8,228	0.5	1,510,373
1971	107,075	25.3	315,685	74.7	0	0.0	422,760
1972	53,173	12.5	373,618	87.5	8	0.0	426,799
1973	21,364	9.6	200,258	90.2	502	0.2	222,124
1974 <sup>a</sup>	0	--	0	--	0	--	0
1975	43,703	22.9	146,918	77.0	153	0.1	190,774
1976	40,334	17.4	190,256	82.2	978	0.4	231,568
1977	29,698	15.2	164,165	84.3	944	0.5	194,807
1978	77,221	18.4	339,295	81.0	2,419	0.6	418,935
1979	474,381	70.6	196,482	29.2	1,349	0.2	672,212
1980	2,086,038	76.4	631,975	23.1	13,135	0.5	2,731,148
1981	745,747	50.7	693,166	47.1	31,480	2.1	1,470,393
1982	902,804	54.1	745,616	44.7	19,733	1.2	1,668,153
1983	935,003	60.5	599,152	38.8	10,920	0.7	1,545,075
1984	716,685	63.3	403,582	35.7	11,098	1.0	1,131,365
1985	891,775	61.3	553,558	38.0	9,636	0.7	1,454,969
1986	147,380	46.7	162,950	51.7	5,040	1.6	315,370
1987	238,193	36.5	401,215	61.5	12,989	2.0	652,397
1988	141,410	29.8	317,818	67.0	15,229	3.2	474,457
1989	800,949	59.4	512,522	38.0	34,076	2.5	1,347,547
1990 <sup>b</sup>	619,391	56.9	452,484	41.6	17,069	1.6	1,088,944
1991	650,461	53.5	539,490	44.4	25,707	2.1	1,215,658
1992	1,192,202	58.3	765,752	37.4	88,068	4.3	2,046,022
1993	1,397,481	59.1	902,788	38.1	66,304	2.8	2,366,573
1994	573,247	57.3	371,103	37.1	56,900	5.7	1,001,250
1995	611,453	42.1	792,940	54.6	47,097	3.2	1,451,490
1996	127,366	22.2	421,882	73.7	23,247	4.1	572,495
1997	174,536	14.8	896,638	76.0	108,005	9.2	1,179,179
1998	70,263	7.2	856,265	87.9	48,100	4.9	974,628
1999	232,779	21.0	836,876	75.7	36,553	3.3	1,106,208
2000	114,831	12.9	722,855	81.0	54,330	6.1	892,016
2001	17,159	14.1	95,547	78.6	8,841	7.3	121,547
2002	72,569	20.4	254,657	71.5	28,931	8.1	356,157
1982-2001 Average							
	527,768	41.6	567,552	55.1	34,947	3.4	1,130,267
1992-2001 Average							
	451,132	30.9	666,265	64.0	53,745	5.1	1,171,141

<sup>a</sup> No fishery due to poor sockeye salmon returns to Bristol Bay.

<sup>b</sup> Gear depth limitations in effect beginning in 1990.

Appendix B.18. South Unimak June fishery commercial chum salmon harvests in number of fish and percent by gear type and year, 1970-2002.

Year	Purse Seine		Drift Gillnet		Set Gillnet		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	121,214	31.0	269,476	68.8	878	0.2	391,568
1971	79,044	19.5	326,267	80.5	0	0.0	405,311
1972	38,365	9.3	372,635	90.7	0	0.0	411,000
1973	11,746	6.6	165,753	93.3	221	0.1	177,720
1974 <sup>a</sup>	0	--	0	--	0	--	0
1975	18,833	28.9	46,446	71.1	0	0.0	65,279
1976	47,623	14.2	288,300	85.8	238	0.1	336,161
1977	9,852	10.5	84,052	89.3	193	0.2	94,097
1978	10,210	9.9	93,115	90.0	88	0.1	103,413
1979	19,007	30.1	44,051	69.8	92	0.1	63,150
1980	363,360	79.2	94,900	20.7	239	0.1	458,499
1981	323,817	63.5	184,586	36.2	1,473	0.3	509,876
1982	430,661	46.1	501,282	53.7	1,785	0.2	933,728
1983	405,903	65.9	209,600	34.0	851	0.1	616,354
1984	137,110	60.2	90,498	39.7	305	0.1	227,913
1985	125,813	38.7	198,361	61.1	651	0.2	324,825
1986	110,666	43.8	141,299	55.9	756	0.3	252,721
1987	155,447	38.3	247,934	61.1	2,574	0.6	405,955
1988	155,895	33.5	305,967	65.8	2,903	0.6	464,765
1989	212,310	52.1	192,650	47.3	2,675	0.7	407,635
1990 <sup>b</sup>	263,532	57.9	190,002	41.8	1,510	0.3	455,044
1991	410,034	61.2	256,132	38.2	3,937	0.6	670,103
1992	204,717	63.2	115,401	35.6	3,773	1.2	323,891
1993	252,798	66.2	120,820	31.6	8,323	2.2	381,941
1994	239,286	63.9	129,530	34.6	5,593	1.5	374,409
1995	161,199	47.1	172,715	50.5	8,393	2.5	342,307
1996	41,516	32.0	86,103	66.3	2,270	1.7	129,889
1997	58,999	30.1	127,646	65.1	9,371	4.8	196,016
1998	26,777	13.7	162,566	83.2	6,111	3.1	195,454
1999	52,314	28.0	128,723	68.9	5,849	3.1	186,886
2000	46,728	27.7	114,812	68.0	7,348	4.4	168,888
2001	5,701	15.8	28,651	79.4	1,747	4.8	36,099
2002	46,036	22.9	145,079	72.1	10,096	5.0	201,211
1982-2001 Average							
	174,870	44.3	176,035	54.1	3,836	1.7	354,741
1992-2001 Average							
	109,004	38.8	118,697	58.3	5,878	2.9	233,578

<sup>a</sup> No fishery.

<sup>b</sup> Gear depth limitations in effect beginning in 1990.

Appendix B.19. Shumagin Islands June fishery commercial sockeye salmon harvests in number of fish and percent by gear type and year, 1970-2002.

Year	Purse Seine		Set Gillnet		Total
	Number	Percent	Number	Percent	
1970	128,408	91.9	11,327	8.1	139,735
1971	35,176	89.4	4,165	10.6	39,341
1972	72,069	96.9	2,329	3.1	74,398
1973	20,047	87.3	2,917	12.7	22,964
1974 <sup>a</sup>	0	--	0	--	0
1975	48,065	97.4	1,260	2.6	49,325
1976	68,755	95.5	3,261	4.5	72,016
1977	43,579	94.9	2,333	5.1	45,912
1978	65,826	97.0	2,050	3.0	67,876
1979	165,605	92.4	13,534	7.6	179,139
1980	458,069	96.4	17,058	3.6	475,127
1981	332,300	94.8	18,272	5.2	350,572
1982	438,420	97.3	12,128	2.7	450,548
1983	405,757	97.4	10,737	2.6	416,494
1984	243,136	94.7	13,702	5.3	256,838
1985	318,878	94.8	17,553	5.2	336,431
1986	132,580	85.0	23,447	15.0	156,027
1987	106,799	76.0	33,768	24.0	140,567
1988	203,391	72.1	78,839	27.9	282,230
1989	360,860	90.9	36,098	9.1	396,958
1990 <sup>b</sup>	217,968	85.3	37,617	14.7	255,585
1991	268,539	80.6	64,733	19.4	333,272
1992	374,258	90.9	37,576	9.1	411,834
1993	531,258	87.5	75,913	12.5	607,171
1994	346,923	75.4	113,090	24.6	460,013
1995	532,952	81.5	120,879	18.5	653,831
1996	342,317	75.0	114,158	25.0	456,475
1997	338,803	75.5	110,199	24.5	449,002
1998	155,216	49.4	158,881	50.6	314,097
1999	200,108	74.3	69,083	25.7	269,191
2000	277,974	77.4	81,238	22.6	359,212
2001	24,705	84.9	4,380	15.1	29,085
2002	180,135	76.7	54,814	23.3	234,949
1982-2001 Average					
	291,042	82.3	60,701	17.7	351,743
1992-2001 Average					
	312,451	77.2	88,540	22.8	400,991

<sup>a</sup> No fishery due to poor sockeye salmon returns to Bristol Bay.

<sup>b</sup> Gear depth limitations in effect beginning in 1990.

Appendix B.20. Shumagin Islands June fishery commercial chum salmon harvests in number of fish and percent by gear type and year, 1970-2002.

Year	Purse Seine		Set Gillnet		Total
	Number	Percent	Number	Percent	
1970	42,226	94.0	2,683	6.0	44,909
1971	100,544	96.8	3,342	3.2	103,886
1972	106,239	98.5	1,571	1.5	107,810
1973	21,605	94.3	1,305	5.7	22,910
1974 <sup>a</sup>	0	--	0	--	0
1975	34,614	97.4	929	2.6	35,543
1976	71,946	97.1	2,163	2.9	74,109
1977	21,678	99.0	221	1.0	21,899
1978	17,793	96.3	686	3.7	18,479
1979	39,196	95.7	1,757	4.3	40,953
1980	48,990	97.3	1,376	2.7	50,366
1981	53,351	98.7	720	1.3	54,071
1982	159,518	98.9	1,798	1.1	161,316
1983	168,618	99.6	659	0.4	169,277
1984	108,495	99.3	712	0.7	109,207
1985	104,619	96.0	4,385	4.0	109,004
1986	94,080	95.0	4,968	5.0	99,048
1987	34,617	93.4	2,447	6.6	37,064
1988	51,154	82.6	10,792	17.4	61,946
1989	44,498	93.6	3,030	6.4	47,528
1990 <sup>b</sup>	59,111	93.1	4,390	6.9	63,501
1991	95,756	93.3	6,846	6.7	102,602
1992	98,509	96.3	3,803	3.7	102,312
1993	147,160	97.9	3,146	2.1	150,306
1994	200,577	96.5	7,179	3.5	207,756
1995	182,894	93.7	12,232	6.3	195,126
1996	220,449	95.9	9,482	4.1	229,931
1997	118,418	93.8	7,891	6.2	126,309
1998	39,464	78.7	10,701	21.3	50,165
1999	54,439	93.2	3,981	6.8	58,420
2000	66,580	94.5	3,889	5.5	70,469
2001	11,402	93.1	849	6.9	12,251
2002	168,405	94.8	9,201	5.2	177,606
1982-2001 Average					
	103,018	93.9	5,159	6.1	108,177
1992-2001 Average					
	113,989	93.3	6,315	6.7	120,305

<sup>a</sup> No fishery due to poor sockeye salmon returns to Bristol Bay.

<sup>b</sup> Gear depth limitations in effect beginning in 1990.

Appendix B.21. South Unimak and Shumagin Islands June commercial fisheries sockeye to chum salmon ratios, all gear combined, by location and year, 1960-2002.

Year	South Unimak			Shumagin Islands			Total		
	Sockeye	Chum	Ratio	Sockeye	Chum	Ratio	Sockeye	Chum	Ratio
1960	137,000	84,000	1.6	19,000	11,000	1.7	156,000	95,000	1.6
1961	199,000	157,000	1.3	55,000	36,000	1.5	254,000	193,000	1.3
1962	272,000	209,000	1.3	54,000	61,000	0.9	326,000	270,000	1.2
1963	116,000	36,000	3.2	33,000	36,000	0.9	149,000	72,000	2.1
1964	159,000	161,000	1.0	85,000	67,000	1.3	244,000	228,000	1.1
1965	568,000	121,000	4.7	207,000	45,000	4.6	775,000	166,000	4.7
1966	528,000	215,000	2.5	54,000	17,000	3.2	582,000	232,000	2.5
1967	186,000	73,000	2.5	69,000	51,000	1.4	255,000	124,000	2.1
1968	342,000	115,000	3.0	233,000	51,000	4.6	575,000	166,000	3.5
1969	781,000	254,000	3.1	76,000	13,000	5.8	857,000	267,000	3.2
1970	1,510,373	391,568	3.9	139,735	44,909	3.1	1,650,108	436,477	3.8
1971	422,760	405,311	1.0	39,341	103,886	0.4	462,101	509,197	0.9
1972	426,799	411,000	1.0	74,398	107,810	0.7	501,197	518,810	1.0
1973	222,124	177,720	1.2	22,964	22,910	1.0	245,088	200,630	1.2
1974 <sup>a</sup>	0	0	--	0	0	--	0	0	--
1975	190,774	65,279	2.9	49,325	35,543	1.4	240,099	100,822	2.4
1976	231,568	336,161	0.7	72,016	74,109	1.0	303,584	410,270	0.7
1977	194,807	94,097	2.1	45,912	21,899	2.1	240,719	115,996	2.1
1978	418,935	103,413	4.1	67,876	18,479	3.7	486,811	121,892	4.0
1979	672,212	63,150	10.6	179,139	40,953	4.4	851,351	104,103	8.2
1980	2,731,148	458,499	6.0	475,127	50,366	9.4	3,206,275	508,865	6.3
1981	1,470,393	509,876	2.9	350,572	54,071	6.5	1,820,965	563,947	3.2
1982	1,668,153	933,728	1.8	450,548	161,316	2.8	2,118,701	1,095,044	1.9
1983	1,545,075	616,354	2.5	416,494	169,277	2.5	1,961,569	785,631	2.5
1984	1,131,365	227,913	5.0	256,838	109,207	2.4	1,388,203	337,120	4.1
1985	1,454,969	324,825	4.5	336,431	109,004	3.1	1,791,400	433,829	4.1
1986	315,370	252,721	1.2	156,027	99,048	1.6	471,397	351,769	1.3
1987	652,397	405,955	1.6	140,567	37,064	3.8	792,964	443,019	1.8
1988	474,457	464,765	1.0	282,230	61,946	4.6	756,687	526,711	1.4
1989	1,347,547	407,635	3.3	396,958	47,528	8.4	1,744,505	455,163	3.8
1990 <sup>b</sup>	1,088,944	455,044	2.4	255,585	63,501	4.0	1,344,529	518,545	2.6
1991	1,215,658	670,103	1.8	333,272	102,602	3.2	1,548,930	772,705	2.0
1992	2,046,022	323,891	6.3	411,834	102,312	4.0	2,457,856	426,203	5.8
1993	2,366,573	381,941	6.2	607,171	150,306	4.0	2,973,744	532,247	5.6
1994	1,001,250	374,409	2.7	460,013	207,756	2.2	1,461,263	582,165	2.5
1995	1,451,490	342,307	4.2	653,831	195,126	3.4	2,105,321	537,433	3.9
1996	572,495	129,889	4.4	456,475	229,931	2.0	1,028,970	359,820	2.9
1997	1,179,179	196,016	6.0	449,002	126,309	3.6	1,628,181	322,325	5.1
1998	974,628	195,454	5.0	314,097	50,165	6.3	1,288,725	245,619	5.2
1999	1,106,208	186,886	5.9	269,191	58,420	4.6	1,375,399	245,306	5.6
2000	892,016	168,888	5.3	359,212	70,469	5.1	1,251,228	239,357	5.2
2001	121,547	36,099	3.4	29,085	12,251	2.4	150,632	48,350	3.1
2002	356,157	201,211	1.8	234,949	177,606	1.3	591,106	378,817	1.6
1982-2001 Average									
	1,130,267	354,741	3.7	351,743	108,177	3.7	1,482,010	462,918	3.5
1992-2001 Average									
	1,171,141	233,578	4.9	400,991	120,305	3.8	1,572,132	353,883	4.5

<sup>a</sup> No Fishery due to poor sockeye salmon returns to Bristol Bay.

<sup>b</sup> Gear depth limitations in effect beginning in 1990.

Appendix B.22. South Unimak and Shumagin Islands June commercial fisheries sockeye to chum salmon ratios by location, gear type, and year, 1970-2002.

Year	South Unimak				Shumagin Islands		
	Purse Seine	Drift Gillnet	Set Gillnet	Total	Purse Seine	Set Gillnet	Total
1970	5.9	2.9	9.4	3.9	3.0	4.2	3.1
1971	1.4	1.0	--	1.0	0.3	1.2	0.4
1972	1.4	1.0	--	1.0	0.7	1.5	0.7
1973	1.8	1.2	2.3	1.2	0.9	2.2	1.0
1974 <sup>a</sup>	--	--	--	--	--	--	--
1975	2.3	3.2	--	2.9	1.4	1.4	1.4
1976	0.8	0.7	4.1	0.7	1.0	1.5	1.0
1977	3.0	2.0	4.9	2.1	2.0	10.6	2.1
1978	7.6	3.6	27.5	4.1	3.7	3.0	3.7
1979	25.0	4.5	14.7	10.6	4.2	7.7	4.4
1980	5.7	6.7	55.0	6.0	9.4	12.4	9.4
1981	2.3	3.8	21.4	2.9	6.2	25.4	6.5
1982	2.1	1.5	11.1	1.8	2.7	6.7	2.8
1983	2.3	2.9	12.8	2.5	2.4	16.3	2.5
1984	5.2	4.5	36.4	5.0	2.2	19.2	2.4
1985	7.1	2.8	14.8	4.5	3.0	4.0	3.1
1986	1.3	1.2	6.7	1.2	1.4	4.7	1.6
1987	1.5	1.6	5.0	1.6	3.1	13.8	3.8
1988	0.9	1.0	5.2	1.0	4.0	7.3	4.6
1989	3.8	2.7	12.7	3.3	8.1	11.9	8.4
1990 <sup>b</sup>	2.4	2.4	11.3	2.4	3.7	8.6	4.0
1991	1.6	2.1	6.5	1.8	2.8	9.5	3.2
1992	5.8	6.6	23.3	6.3	3.8	9.9	4.0
1993	5.5	7.5	8.0	6.2	3.6	24.1	4.0
1994	2.4	2.9	10.2	2.7	1.7	15.8	2.2
1995	3.8	4.6	5.6	4.2	2.9	9.9	3.4
1996	3.1	4.9	10.2	4.4	1.6	12.0	2.0
1997	3.0	7.0	11.5	6.0	2.9	14.0	3.6
1998	2.6	5.3	7.9	5.0	3.9	14.8	6.3
1999	4.4	6.5	6.2	5.9	3.7	17.4	4.6
2000	2.5	6.3	7.4	5.3	4.2	20.9	5.1
2001	3.0	3.3	5.1	3.4	2.2	5.2	2.4
2002	1.6	1.8	2.9	1.8	1.1	6.0	1.3
1982-2001 Average							
	3.2	3.9	10.9	3.7	3.2	12.3	3.7
1992-2001 Average							
	3.6	5.5	9.5	4.9	3.0	14.4	3.8

<sup>a</sup> No fishery due to poor sockeye salmon returns to Bristol Bay.

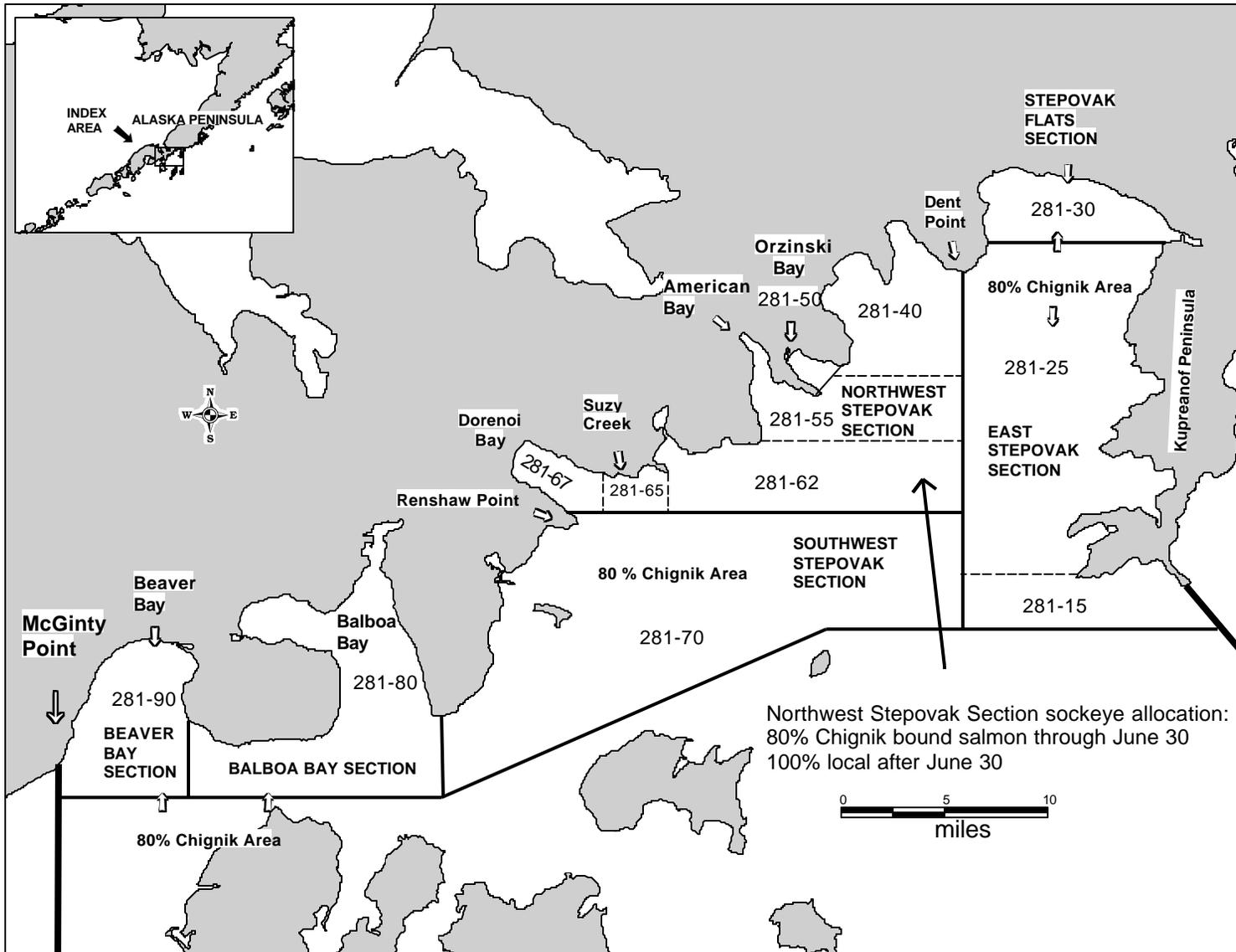
<sup>b</sup> Gear depth limitations in effect beginning in 1990.

Appendix B.23. Number and type of commercial salmon gear fished in the South Unimak and Shumagin Islands Section waters combined during June, by year, 1970-2002.

Year	Gear			Total
	Purse Seine <sup>a</sup>	Drift Gillnet	Set Gillnet	
1970	38	156	16	210
1971	37	122	8	167
1972	32	150	6	188
1973	16	121	6	143
1974 <sup>b</sup>	0	0	0	0
1975	20	81	8	109
1976	25	108	14	147
1977	17	101	12	130
1978	23	120	16	159
1979	40	132	26	198
1980	68	129	29	226
1981	83	135	25	243
1982	90	138	23	251
1983	101	146	34	281
1984	101	147	32	280
1985	107	150	48	305
1986	99	156	43	298
1987	86	144	60	290
1988	90	148	63	301
1989	99	145	61	305
1990	109	153	58	320
1991	112	157	65	334
1992	112	141	68	321
1993	116	140	72	328
1994	114	145	65	324
1995	112	151	69	332
1996	99	147	67	313
1997	81	142	69	292
1998	64	145	74	283
1999	61	152	64	277
2000	70	149	59	278
2001	25	85	18	128
2002	36	86	59	181
1982-2001 Average	92	147	56	298
1992-2001 Average	94	147	67	308

<sup>a</sup> During the peak of the South Peninsula June fishery, (June 12-26), approximately 50 purse seine permit holders fish the Shumagin Islands Section fishery. During the occasions when the South Unimak fishery is open and the Shumagin Islands fishery is closed, nearly the entire purse seine fleet fishes at South Unimak. Drift gillnet effort declines after June 20 as the fleet begins moving to the Port Moller fishery.

<sup>b</sup> No fishery due to poor sockeye salmon returns to Bristol Bay.



Appendix C.1. Map of the Southeastern District Mainland fishery from Kupreanof Point to McGinty Point with the salmon sections defined.

Appendix C. 2. Southeastern District Mainland fishery regulatory history, 1970-2002.

Year	Management Plan
Pre-1974	Set weekly fishing periods, usually 5 days per week
1974-77	Day for day fishing with Chignik
1978	3 days per week, seine gear prohibited before July 10
1979-84	5 days per week, 60,000 catch ceiling (until Chignik catches 1 million) After 7/10 entire SEDM managed on local stocks.
1985-91	Assures minimum harvest in Chignik of 600,000, restricts fishing in SEDM during overlap period (6/26-7/9), allows 6% (6.2%-1985-87) allocation of total Chignik sockeye harvest through 7/25, permits openings in Stepovak Flats and Northwest Stepovak Sections based on local runs
1992-95	Area managed on local sockeye runs reduced to include only Orzinski Bay (Stepovak Flats Section not effected), increased allocation of Chignik sockeye harvest from 6% to 7%
1996-97	Area managed on local sockeye runs increased to include the Northwest Stepovak Section beginning July 1, reduced allocation of Chignik sockeye harvest from 7% to 6%
1998-present	Beginning July 1, only Orzinski Bay was managed entirely on its local sockeye salmon run. However, all sockeye salmon caught in the Northwest Stepovak Section beginning July 1 were considered 100% local fish and were not counted toward the 6% allocation. The remainder of the SEDM sockeye salmon harvest was allocated as 80% Chignik bound fish. Assures minimum Chignik Management Area harvest of 300,000 sockeye salmon by July 8 and 600,000 by July 25. The maximum allowable fishing time in the Northwest Stepovak Section (excluding Orzinski Bay) during July 1-25 is four days within a seven day period with no more than two consecutive fishing days.

Appendix C.3. Southeastern District Mainland commercial sockeye salmon harvest and percent by gear, through July 25, 1970-2002.

Year	Catch by Gear				Total Catch
	Set Gillnet		Purse Seine		
	Number	Percent	Number	Percent	
1970	80,692	95.4	3,904	4.6	84,596
1971	60,767	95.9	2,587	4.1	63,354
1972	19,491	92.4	1,614	7.6	21,105
1973	46,141	97.9	976	2.1	47,117
1974	66,101	74.9	22,129	25.1	88,230
1975	1,807	57.3	1,349	42.7	3,156
1976	52,414	90.2	5,712	9.8	58,126
1977	30,658	70.5	12,827	29.5	43,485
1978 <sup>a</sup>	28,930	92.7	2,267	7.3	31,197
1979	77,604	87.5	11,136	12.5	88,740
1980	89,743	93.0	6,729	7.0	96,472
1981	181,698	90.1	20,013	9.9	201,711
1982	79,442	91.5	7,351	8.5	86,793
1983	213,051	71.0	87,107	29.0	300,158
1984	567,043	95.3	28,000	4.7	595,043
1985	78,347	96.8	2,610	3.2	80,957
1986	196,545	95.2	9,987	4.8	206,532
1987	244,413	99.8	482	0.2	244,895
1988	77,204	95.1	3,956	4.9	81,160
1989	46,977	52.7	42,247	47.3	89,224
1990	85,368	52.0	78,660	48.0	164,028
1991	275,768	95.2	13,959	4.8	289,727
1992	214,638	99.6	806	0.4	215,444
1993	186,656	88.5	24,271	11.5	210,927
1994	221,657	100.0	0	0.0	221,657
1995	139,515	87.5	19,866	12.5	159,381
1996	276,212	97.2	7,864	2.8	284,076
1997	293,750	96.4	11,115	3.6	304,865
1998	74,069	63.2	43,062	36.8	117,131
1999	205,706	94.8	11,320	5.2	217,026
2000	199,605	98.6	2,830	1.4	202,435
2001	102,213	95.9	4,394	4.1	106,607
2002	145,656	94.9	7,813	5.1	153,469
Average 1982-2001	188,909	88.3	19,994	11.7	208,903
Average 1992-2001	191,402	92.2	12,553	7.8	203,955

<sup>a</sup> Only set gillnet gear is allowed prior to July 11 since 1978 season.

Appendix C.4. Harvest of sockeye salmon considered to be Chignik bound by regulation in the Southeastern District Mainland, in number of fish and percent by gear, through July 25, 1970-2002.

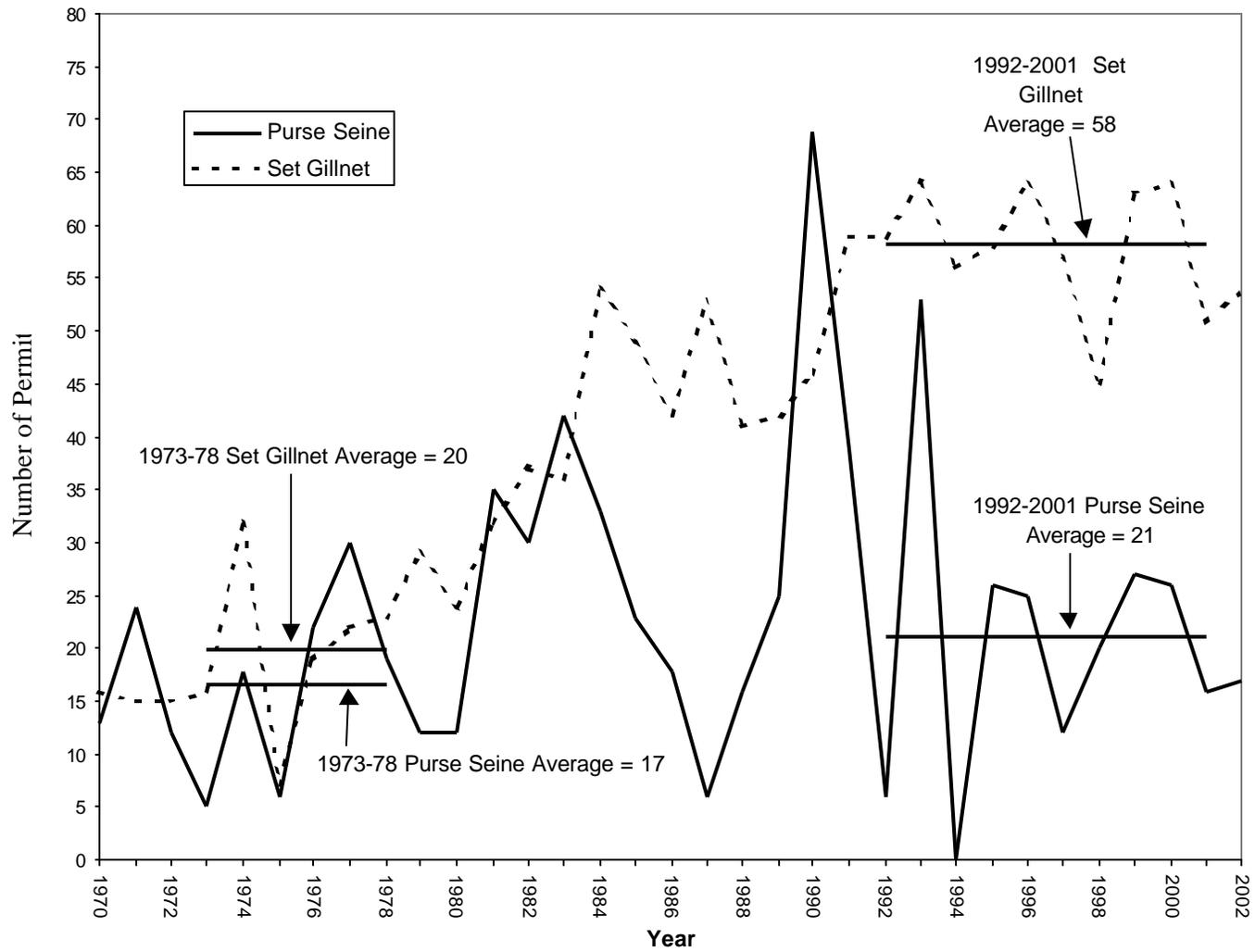
Year	Catch by Gear				Total Catch
	Set Net		Purse Seine		
	Number	Percent	Number	Percent	
1970 <sup>a</sup>	63,688	94.2	3,894	5.8	67,582
1971 <sup>a</sup>	48,575	95.9	2,066	4.1	50,641
1972 <sup>a</sup>	15,593	92.4	1,291	7.6	16,884
1973 <sup>a</sup>	37,240	98.0	743	2.0	37,983
1974 <sup>a</sup>	56,263	82.7	11,766	17.3	68,029
1975 <sup>a</sup>	1,126	51.1	1,079	48.9	2,205
1976 <sup>a</sup>	41,764	93.4	2,966	6.6	44,730
1977 <sup>a</sup>	26,473	74.6	9,029	25.4	35,502
1978 <sup>a</sup>	20,286	91.9	1,778	8.1	22,064
1979 <sup>a</sup>	52,065	91.5	4,813	8.5	56,878
1980 <sup>a</sup>	58,210	91.3	5,514	8.7	63,724
1981 <sup>a</sup>	107,474	87.7	15,059	12.3	122,533
1982 <sup>a</sup>	57,646	91.8	5,121	8.2	62,767
1983 <sup>a</sup>	157,831	69.4	69,561	30.6	227,392
1984 <sup>a</sup>	404,738	95.7	18,330	4.3	423,068
1985 <sup>a</sup>	49,523	96.3	1,898	3.7	51,421
1986 <sup>a</sup>	110,572	93.7	7,434	6.3	118,006
1987 <sup>a</sup>	146,636	99.8	250	0.2	146,886
1988 <sup>a</sup>	16,465	85.2	2,855	14.8	19,320
1989 <sup>a</sup>	4,371	97.5	114	2.5	4,485
1990 <sup>a</sup>	65,671	51.1	62,928	48.9	128,599
1991 <sup>a</sup>	152,454	99.8	260	0.2	152,714
1992 <sup>b</sup>	93,564	99.7	281	0.3	93,845
1993 <sup>b</sup>	109,119	84.9	19,417	15.1	128,536
1994 <sup>b</sup>	142,350	100.0	0	0.0	142,350
1995 <sup>b</sup>	73,864	83.6	14,438	16.4	88,302
1996 <sup>c</sup>	123,625	97.2	3,576	2.8	127,201
1997 <sup>c</sup>	0	0.0	0	0.0	0
1998 <sup>d</sup>	32,455	48.5	34,438	51.5	66,893
1999 <sup>d</sup>	164,565	94.8	9,056	5.2	173,621
2000 <sup>d</sup>	101,433	98.1	1,986	1.9	103,419
2001 <sup>e</sup>	47,626	93.1	3,515	6.9	51,141
2002 <sup>e</sup>	57,929	91.9	5,097	8.1	63,026
Average					
1982-2001	102,725	84.0	12,773	11.0	115,498
1992-2001	88,860	80.0	8,671	10.0	97,531

-Footnotes On Next Page

- <sup>a</sup> From 1970-91, the Chignik contribution is 80% of the sockeye salmon harvested in Beaver Bay, Balboa Bay, Southwest Stepovak, Stepovak Flats, and East Stepovak Sections.
- <sup>b</sup> From 1992-95, the Chignik contribution is 80% of the sockeye salmon harvested in the Southeastern District Mainland (SEDM) fishery except Orzinski Bay where 100% of the sockeye salmon are considered local production.
- <sup>c</sup> In 1996, the area to be managed for local Orzinski Lake sockeye salmon was increased from only Orzinski Bay to the entire Northwest Stepovak Section. Prior to July 1, the entire Northwest Stepovak Section will be managed on an allocation based on the strength of the Chignik sockeye salmon runs.

Beginning July 1, the Northwest Stepovak Section would be managed entirely on local stocks. The BOF also decreased the percentage of sockeye salmon allocated to the SEDM fishery from 7% to 6% to attempt to maintain traditional harvest levels of Chignik bound sockeye in the SEDM fishery.

- <sup>d</sup> In 1998, the area managed entirely for local Orzinski Lake sockeye salmon was reduced from the entire Northwest Stepovak Section to only Orzinski Bay. All sockeye salmon caught in the Northwest Stepovak Section beginning July 1 would still be considered 100% local fish and not counted toward the 6% allocation. The remainder of SEDM sockeye salmon harvest was allocated as 80% Chignik bound fish. Assures minimum harvest of 600,000 sockeye salmon in Chignik through July 25.
  - <sup>e</sup> Actual harvest only. Does not include harvest foregone during the strike.
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Appendix C.5. Southeastern District Mainland CFEC permits fished by gear through July 25, 1970-2002.

Appendix C.6. Harvest of sockeye salmon, in number of fish and percent, considered to be Chignik bound by regulation in the Chignik, Cape Igvak, and Southeastern District Mainland Areas from 1964-2002.

Year	Chignik Area <sup>a</sup>		Cape Igvak <sup>a</sup>		Southeastern District Mainland Area <sup>a</sup>		Total
	Catch	Percent	Catch	Percent	Catch	Percent	
1964 <sup>b</sup>	556,890	90.6	14,980	2.4	43,021	7.0	614,891
1965	599,553	89.9	11,021	1.7	56,020	8.4	666,594
1966	219,794	88.0	18,003	7.2	12,011	4.8	249,808
1967	462,000	91.5	23,014	4.6	20,021	4.0	505,035
1968	977,382	82.5	135,951	11.5	70,959	6.0	1,184,292
1969	394,135	79.0	97,982	19.6	7,013	1.4	499,130
1970 <sup>c</sup>	1,325,734	72.5	434,394	23.8	68,181	3.7	1,828,309
1971	1,016,136	80.3	197,614	15.6	51,272	4.1	1,265,022
1972	378,218	88.0	33,865	7.9	17,752	4.1	429,835
1964-72 catch and percentage figures are total for the entire season. Catch figures and percentages after 1972 are only through July 25.							
1973 <sup>d</sup>	769,258	89.0	57,348	6.6	37,983	4.4	864,589
1974	530,278	73.6	122,071	16.9	68,029	9.4	720,378
1975	115,984	81.8	23,635	16.7	2,205	1.6	141,824
1976	792,024	83.0	117,926	12.4	44,730	4.7	954,680
1977	1,547,285	90.4	128,852	7.5	35,502	2.1	1,711,639
1978 <sup>e,f</sup>	1,454,389	85.4	227,014	13.3	22,064	1.3	1,703,467
1979 <sup>g</sup>	794,504	91.8	13,950	1.6	56,878	6.6	865,332
1980	670,001	91.3	32	0.0	63,724	8.7	733,757
1981	1,606,300	79.9	282,727	14.1	122,533	6.1	2,011,560
1982	1,250,768	84.5	167,401	11.3	62,767	4.2	1,480,936
1983	1,450,832	72.7	318,048	15.9	227,392	11.4	1,996,272
1984	2,474,405	73.9	449,372	13.4	423,068	12.6	3,346,845
1985 <sup>h</sup>	696,169	79.9	123,627	14.2	51,421	5.9	871,217
1986	1,456,729	82.6	188,017	10.7	118,006	6.7	1,762,752
1987	1,659,615	78.0	321,506	15.1	146,886	6.9	2,128,007
1988	675,487	95.7	11,218	1.6	19,320	2.7	706,025
1989	496,044	99.1	0	0.0	4,485	0.9	500,529
1990	1,205,575	83.6	107,706	7.5	128,599	8.9	1,441,880
1991 <sup>i</sup>	1,958,954	80.4	324,329	13.3	152,714	6.3	2,435,997
1992 <sup>j</sup>	1,054,309	81.1	152,358	11.7	93,845	7.2	1,300,512
1993	1,495,098	77.7	300,055	15.6	128,536	6.7	1,923,689
1994 <sup>k</sup>	1,632,435	80.6	250,230	12.4	142,350	7.0	2,025,015
1995	1,024,785	79.9	169,530	13.2	88,302	6.9	1,282,617
1996 <sup>l</sup>	1,710,249	79.7	308,327	14.4	127,201	5.9	2,145,777
1997	443,892	100.0	0	0.0	0	0.0	443,892
1998 <sup>m,n</sup>	786,466	91.2	8,813	1.0	66,893	7.8	862,172
1999	2,326,811	78.7	456,147	15.4	173,621	5.9	2,956,579
2000	1,509,652	80.1	272,808	14.5	103,419	5.5	1,885,879
2001 <sup>o</sup>	1,145,840	79.6	215,214	14.9	79,037	5.5	1,440,091
2002 <sup>p</sup>	851,030	81.1	135,818	12.9	63,026	6.0	1,049,874
Averages							
1979-1982	1,080,393	86.9	116,028	6.7	76,476	6.4	1,272,896
1985-1991	1,164,082	85.6	153,772	8.9	88,776	5.5	1,406,630
1992-2001	1,312,954	82.9	213,348	11.3	100,320	5.8	1,626,622

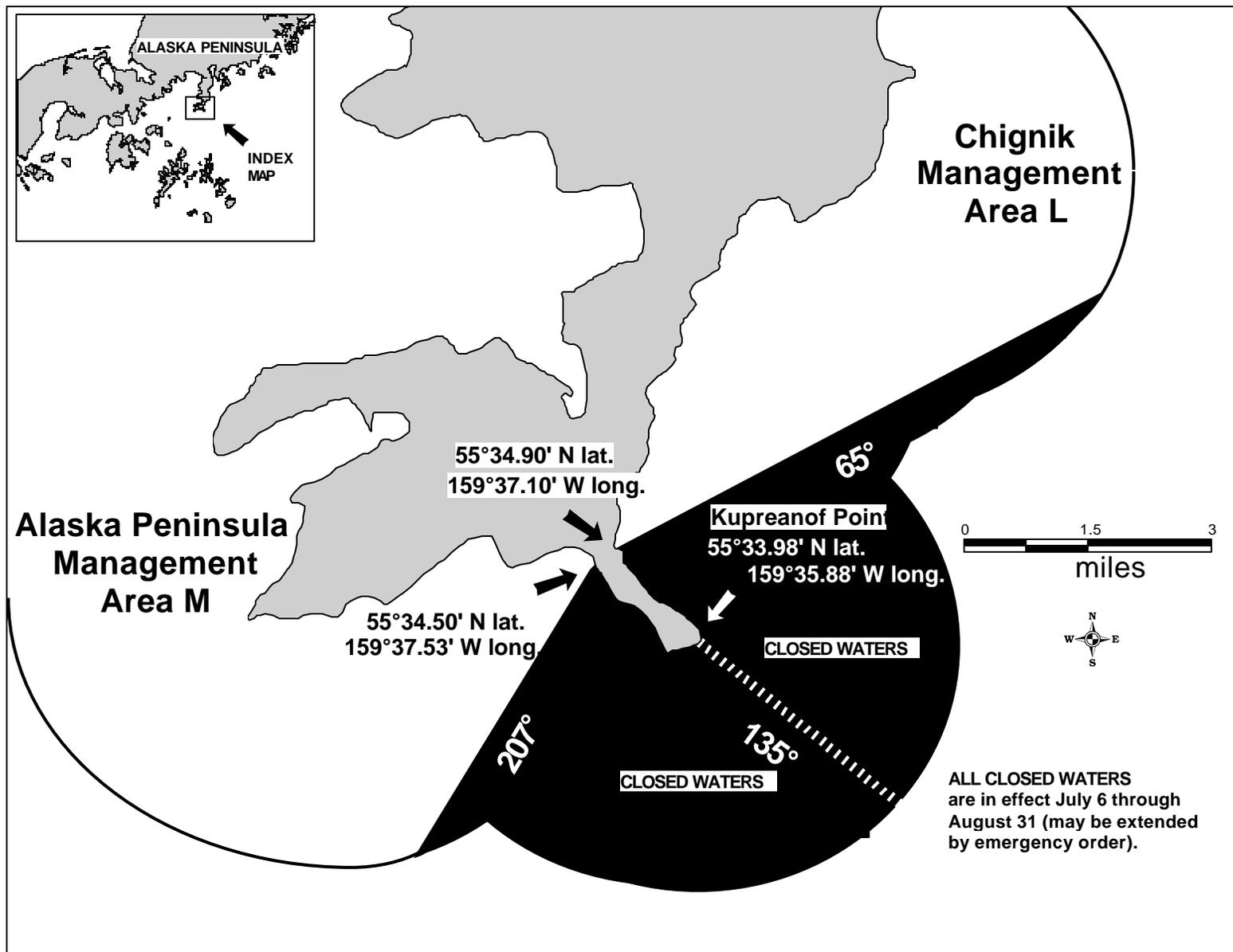
-Footnotes On Next Pages-

- <sup>a</sup> The Cape Igvak and Southeastern District Mainland (SEDM) figures represent 80% of the total sockeye salmon catches for those areas based on the premise that 80% of the sockeye salmon caught in the Cape Igvak Section and the SEDM (excluding sockeye salmon caught in Northwest Stepovak Section from 1964-1991 and 1996-2000 and in Orzinski Bay only from 1992-1995) are bound for the Chignik Management Area (CMA).
- <sup>b</sup> The data from 1964-1972 are based on total yearly catches. Prior to 1974, Cape Igvak and Southeastern District Mainland fisheries were set by regulation to weekly fishing periods, usually five days per week. Time modifications were implemented when poor escapements occurred at Chignik.
- <sup>c</sup> Catches (1970-2002) were updated using historical electronic fish ticket databases.
- <sup>d</sup> During 1974-1977 all three fisheries were managed on a day by day basis.
- <sup>e</sup> From 1978-2002, the Alaska Board of Fisheries (BOF) allocated 15 percent of the total sockeye salmon catch destined for Chignik to the Cape Alitak fishery.
- <sup>f</sup> During 1978, seining prior to July 11 was disallowed in the SEDM. Set gillnet fishers were allowed to fish three days per week through July 10, after which the fishery was managed on the basis of local stocks.
- <sup>g</sup> During 1979-1984 and prior to July 11, fishing was allowed five days per week in the Southeastern District Mainland Area with a maximum harvest of an estimated 60,000 sockeye destined for Chignik. If the Chignik Area sockeye catch was 1,000,000 or more before July 11, the 60,000 maximum harvest was to be dropped.
- <sup>h</sup> Beginning in 1985, the SEDM was placed on an allocation of 6.2 percent of the total estimated Chignik sockeye catch through July 25. After July 25, the SEDM is managed on a local stock basis. The allocation changed to 6.0 percent beginning in 1988. Seining is still not allowed prior to July 11.
- <sup>i</sup> CMA harvest includes overescapement of 278,305 sockeye counted past the weir during the Chignik Area seiners' price dispute (Jun 23-Jul 4, 1991).
- <sup>j</sup> Review of Orzinski Lake historical and current escapement records led BOF to redefine the SEDM Management Plan. Beginning in 1992, the SEDM fishery (excluding Orzinski Bay) was placed on an allocation of 7.0 percent of the total estimated Chignik sockeye salmon catch through July 25.

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- <sup>k</sup> CMA harvest includes overescapement of 208,921 sockeye counted past the weir during the Chignik Area seiners' strike (June 22-June 25, 1994).
- <sup>l</sup> In 1996, the area to be managed for local Orzinski Lake sockeye salmon was increased from only Orzinski Bay to the entire Northwest Stepovak Section. Prior to July 1, the entire Northwest Stepovak Section will be managed on an allocation based on the strength of the Chignik sockeye salmon runs. Beginning July 1, the Northwest Stepovak Section will be managed entirely on local stocks. The BOF also decreased the percentage of sockeye salmon allocated to the SEDM fishery from 7% to 6% to attempt to maintain traditional harvest levels of Chignik bound sockeye salmon harvest in the SEDM fishery.
- <sup>m</sup> In 1998, the area managed entirely for local Orzinski Lake sockeye salmon was reduced from the entire Northwest Stepovak Section to only Orzinski Bay. All sockeye salmon caught in the Northwest Stepovak Section beginning July 1 would still be considered 100% local fish and not counted toward the 6% allocation. The remainder of SEDM sockeye salmon harvest allocated as 80% Chignik bound fish. Assures minimum harvest of 600,000 sockeye salmon in Chignik through July 25.
- <sup>n</sup> CMA harvest includes 7,714 sockeye salmon caught by the Chignik Seiners Association (CSA), and an overescapement of 52,131 sockeye salmon counted past the weir during the CSA boycott (June 16-29, 1998).
- <sup>o</sup> CMA harvest includes a foregone harvest of 398,887 sockeye salmon which escaped past the weir as a result of the fishermen's strike (in the CMA). SEDM harvest includes a forgone harvest of 27,896 sockeye salmon which escaped past the weir as a result of the fishermen's strike (in the SEDM).
- <sup>p</sup> In 2002, the percent of sockeye salmon harvested in the Cape Igvak Section considered to be Chignik bound was increased from 80% to 90%.
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Appendix C.7. Map of Kupreanof Point area with closed waters defined.

Appendix C.8. Southeastern District Mainland commercial fishing effort and assignment of sockeye salmon harvests (number of fish) June 1- July 25, 1985-2002.

Year	Effort				Northwest Stepovak			SEDM minus Northwest Stepovak		SEDM		Total Catch
	Gillnet		Seine		Total	"Local"	"Non-local"	"Local"	"Non-local"	"Local"	"Non-local"	
	Permits	Landings	Permits	Landings								
1985 <sup>a</sup>	49	367	23	51	16,681	16,681	0	12,855	51,421	29,536	51,421	80,957
1986	42	616	18	29	59,025	59,025	0	29,501	118,006	88,526	118,006	206,532
1987	53	528	6	9	61,287	61,287	0	36,722	146,886	98,009	146,886	244,895
1988	41	300	16	45	57,010	57,010	0	4,830	19,320	61,840	19,320	81,160
1989	42	248	25	54	83,618	83,618	0	1,121	4,485	84,739	4,485	89,224
1990	46	277	69	131	3,279	3,279	0	32,609	128,599	35,888	128,599	164,487
1991	59	747	39	71	98,834	98,834	0	38,179	152,714	137,013	152,714	289,727
1992 <sup>b</sup>	59	650	6	14	113,428	101,198	12,232	20,403	81,613	121,599	93,845	215,444
1993	64	763	53	82	73,747	54,955	18,792	27,436	109,744	82,391	128,536	210,927
1994	56	678	0	0	89,522	52,880	36,642	26,427	105,708	79,307	142,350	221,657
1995	58	718	26	30	62,598	51,723	10,875	19,357	77,426	71,079	88,301	159,380
1996 <sup>c</sup>	64	1,164	25	46	137,925	127,645	10,280	29,230	116,921	156,875	127,201	284,076
1997	57	1,173	12	23	304,865	304,865	0	0	0	304,865	0	304,865
1998	45	340	18	23	33,515	33,515	0	16,723	66,893	50,238	66,893	117,131
1999	63	649	27	30	32,884	6,577	26,307	36,828	147,313	43,405	173,621	217,026
2000	64	1,163	26	31	89,857	76,500	13,357	22,516	90,062	99,016	103,419	202,435
2001	51	551	16	20	42,681	42,681	0	12,785	51,141	55,466	51,141	106,607
2002	53	1,001	12	25	85,086	76,767	8,319	13,677	54,706	90,443	63,026	153,469
Average:												
1985-91	47	440	28	56	54,248	54,248	0	22,260	88,776	76,507	88,776	165,283
1992-95	59	702	21	32	84,824	65,189	19,635	23,406	93,623	88,594	113,258	201,852
1996-97	61	1,169	19	35	221,395	216,255	5,140	14,615	58,461	230,870	63,601	294,471
1998-2001	56	676	22	26	49,734	39,818	9,916	22,213	88,852	62,031	98,769	160,800

<sup>a</sup> From 1970 through 1991, the Chignik contribution is 80% of the sockeye salmon harvested in the Beaver Bay, Balboa Bay, Southwest Stepovak, Stepovak Flats, and East Stepovak Sections.

<sup>b</sup> From 1992 through 1995, the Chignik contribution is 80% of the sockeye salmon harvested in the Southeastern District Mainland (SEDM) fishery, except Orzinski Bay where 100% of the sockeye salmon are considered local production.

<sup>c</sup> Since 1996, the Chignik contribution is 80% of the sockeye salmon harvested in the SEDM fishery, except beginning July 1, in the Northwest Stepovak Section where 100% of the sockeye salmon are considered local production.

Appendix C.9. Northwest Stepovak Section commercial salmon harvest (number of fish), all gear combined, by species and day, 2002.

Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
21-Jun	7	10	40	2,237	0	25	34	2,336
22-Jun	7	12	21	2,414	0	25	84	2,544
23-Jun	7	14	6	1,930	0	46	74	2,056
24-Jun	8	14	11	1,820	0	57	67	1,955
25-Jun	7	14	14	1,998	0	83	66	2,161
1-Jul	28	43	9	4,702	0	512	297	5,520
2-Jul	28	51	15	5,289	1	1,065	282	6,652
3-Jul	20	30	4	4,023	0	287	122	4,436
4-Jul	16	32	4	3,659	0	506	120	4,289
5-Jul	19	48	34	6,592	1	1,674	275	8,576
6-Jul	9	11	3	2,586	4	567	118	3,278
7-Jul	6	14	3	2,981	0	481	52	3,517
8-Jul	6	19	3	3,170	0	374	30	3,577
9-Jul	9	16	6	3,095	1	438	66	3,606
10-Jul	12	29	10	3,841	15	3,005	172	7,043
11-Jul	12	23	14	3,563	4	1,901	90	5,572
12-Jul	7	12	2	1,870	3	763	62	2,700
13-Jul	8	13	13	1,626	2	930	83	2,654
14-Jul	25	46	5	6,592	21	4,900	369	11,887
15-Jul	25	37	6	4,734	22	4,984	422	10,168
16-Jul	7	13	4	1,385	5	442	46	1,882
17-Jul	5	9	3	945	0	275	21	1,244
18-Jul	20	32	5	4,503	46	5,612	498	10,664
19-Jul	17	34	1	4,528	72	7,702	691	12,994
20-Jul	a	a	a	a	a	a	a	a
21-Jul	a	a	a	a	a	a	a	a
22-Jul	5	8	1	837	3	2,876	247	3,964
23-Jul	6	10	0	764	2	2,310	291	3,367
24-Jul	4	6	0	367	1	1,068	128	1,564
25-Jul	a	a	a	a	a	a	a	a
27-Jul	9	14	2	730	17	4,520	377	5,646
28-Jul	8	8	0	380	61	1,813	192	2,446
30-Jul	a	a	a	a	a	a	a	a
31-Jul	4	5	0	626	14	2,782	216	3,638
2-Aug	a	a	a	a	a	a	a	a
3-Aug	a	a	a	a	a	a	a	a
5-Aug	a	a	a	a	a	a	a	a
6-Aug	a	a	a	a	a	a	a	a
7-Aug	a	a	a	a	a	a	a	a
8-Aug	a	a	a	a	a	a	a	a
9-Aug	a	a	a	a	a	a	a	a
10-Aug	a	a	a	a	a	a	a	a
11-Aug	a	a	a	a	a	a	a	a
12-Aug	a	a	a	a	a	a	a	a
15-Aug	a	a	a	a	a	a	a	a
16-Aug	a	a	a	a	a	a	a	a
17-Aug	a	a	a	a	a	a	a	a
18-Aug	a	a	a	a	a	a	a	a

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Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
19-Aug	a	a	a	a	a	a	a	a
20-Aug	a	a	a	a	a	a	a	a
21-Aug	a	a	a	a	a	a	a	a
1-Sep	a	a	a	a	a	a	a	a
2-Sep	a	a	a	a	a	a	a	a
3-Sep	a	a	a	a	a	a	a	a
4-Sep	a	a	a	a	a	a	a	a
8-Sep	a	a	a	a	a	a	a	a
9-Sep	a	a	a	a	a	a	a	a
10-Sep	a	a	a	a	a	a	a	a
Total	43	715	242	94,136	1,132	105,509	12,210	213,229
Total July 1-25	38	557	148	74,687	222	48,673	5,249	128,979

<sup>a</sup> Confidentiality requirements prohibit releasing this information

Appendix C.10. Southeastern District Mainland commercial salmon harvest  
(number of fish), all gear combined, by species and day, 2002.

Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
21-Jun	34	48	77	7,231	0	78	529	7,915
22-Jun	32	47	58	7,693	0	67	391	8,209
23-Jun	32	60	39	7,905	0	179	709	8,832
24-Jun	29	51	26	6,457	0	291	537	7,311
25-Jun	30	51	32	7,207	1	259	514	8,013
1-Jul	28	43	9	4,702	0	512	297	5,520
2-Jul	28	51	15	5,289	1	1,065	282	6,652
3-Jul	20	30	4	4,023	0	287	122	4,436
4-Jul	16	32	4	3,659	0	506	120	4,289
5-Jul	19	48	34	6,592	1	1,674	275	8,576
6-Jul	9	11	3	2,586	4	567	118	3,278
7-Jul	6	14	3	2,981	0	481	52	3,517
8-Jul	6	19	3	3,170	0	374	30	3,577
9-Jul	14	21	12	4,673	6	719	113	5,523
10-Jul	39	74	51	14,421	125	7,247	1,297	23,141
11-Jul	43	79	54	13,695	184	9,945	1,301	25,179
12-Jul	7	12	2	1,870	3	763	62	2,700
13-Jul	8	13	13	1,626	2	930	83	2,654
14-Jul	25	46	5	6,592	21	4,900	369	11,887
15-Jul	25	37	6	4,734	22	4,984	422	10,168
16-Jul	7	13	4	1,385	5	442	46	1,882
17-Jul	5	9	3	945	0	275	21	1,244
18-Jul	20	32	5	4,503	46	5,612	498	10,664
19-Jul	17	34	1	4,528	72	7,702	691	12,994
20-Jul	4	9	0	1,296	3	1,566	168	3,033
21-Jul	5	8	3	1,007	11	5,821	312	7,154
22-Jul	43	65	28	12,468	1,524	58,496	4,985	77,501
23-Jul	37	57	48	8,869	3,343	24,102	3,877	40,239
24-Jul	4	6	0	367	1	1,068	128	1,564
25-Jul	a	a	a	a	a	a	a	a
26-Jul	a	a	a	a	a	a	a	a
27-Jul	27	45	3	3,396	1,514	18,790	2,687	26,390
28-Jul	18	18	3	2,362	395	11,644	1,271	15,675
30-Jul	22	27	13	2,182	1,988	34,493	1,530	40,206
31-Jul	29	41	17	5,463	4,057	40,951	2,618	53,106
2-Aug	16	22	1	2,608	790	27,190	1,453	32,042
3-Aug	12	14	3	1,994	675	17,393	3,041	23,106
4-Aug	12	17	2	3,197	698	18,540	1,427	23,864
5-Aug	16	23	12	2,697	719	82,279	3,231	88,938
6-Aug	16	23	0	3,532	583	37,229	3,271	44,615
7-Aug	16	23	1	1,860	578	40,122	3,134	45,695
8-Aug	12	17	1	1,211	345	20,667	790	23,014
9-Aug	10	16	1	1,146	208	10,346	607	12,308
10-Aug	8	9	0	1,537	291	3,087	689	5,604
11-Aug	9	11	0	2,685	289	20,245	3,586	26,805

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Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
12-Aug	10	15	0	3,520	380	40,429	2,796	47,125
13-Aug	a	a	a	a	a	a	a	a
14-Aug	5	6	2	793	407	5,090	343	6,635
15-Aug	8	12	0	4,254	389	4,184	875	9,702
16-Aug	6	11	0	2,115	626	2,048	717	5,506
17-Aug	10	14	1	3,940	1,111	2,845	518	8,415
18-Aug	11	19	0	4,065	1,144	3,049	454	8,712
19-Aug	11	13	0	2,640	653	1,945	325	5,563
20-Aug	6	6	1	1,533	329	1,080	266	3,209
21-Aug	7	11	0	3,042	729	547	348	4,666
1-Sep	17	23	0	3,035	1,188	2	79	4,304
2-Sep	23	34	0	4,530	1,732	0	70	6,332
3-Sep	18	31	0	2,549	1,114	0	23	3,686
4-Sep	16	23	0	1,602	452	0	35	2,089
5-Sep	14	19	0	1,608	641	0	37	2,286
8-Sep	a	a	a	a	a	a	a	a
9-Sep	15	20	0	1,580	931	0	0	2,511
10-Sep	13	21	0	888	577	0	0	1,465
11-Sep	11	17	0	1,092	395	0	0	1,487
12-Sep	a	a	a	a	a	a	a	a
16-Sep	6	11	0	208	94	0	0	302
17-Sep	6	8	0	309	200	0	0	509
23-Sep	a	a	a	a	a	a	a	a
24-Sep	4	9	0	764	196	0	0	960
25-Sep	a	a	a	a	a	a	a	a
26-Sep	a	a	a	a	a	a	a	a
30-Sep	a	a	a	a	a	a	a	a
1-Oct	a	a	a	a	a	a	a	a
<b>Total</b>	<b>70</b>	<b>1,679</b>	<b>606</b>	<b>234,420</b>	<b>32,201</b>	<b>603,667</b>	<b>54,986</b>	<b>925,880</b>
Subtotals through July 25								
	65	1,026	545	153,469	5,390	143,365	18,752	321,521
Subtotals from September 1- October 1								
	24	238	0	19,162	7,913	2	244	27,321

<sup>a</sup> Confidentiality requirements prohibit releasing this information.

Appendix C.11. Southeastern District Mainland commercial purse seine salmon harvest (number of fish), by species and day, 2002.

Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
11-Jul	5	6	0	1,660	43	2,857	191	4,751
14-Jul	a	a	a	a	a	a	a	a
15-Jul	a	a	a	a	a	a	a	a
16-Jul	a	a	a	a	a	a	a	a
18-Jul	a	a	a	a	a	a	a	a
21-Jul	a	a	a	a	a	a	a	a
22-Jul	7	7	20	4,008	1,235	41,720	2,643	49,626
23-Jul	6	6	46	1,229	2,977	12,579	1,153	17,984
26-Jul	a	a	a	a	a	a	a	a
27-Jul	a	a	a	a	a	a	a	a
28-Jul	a	a	a	a	a	a	a	a
30-Jul	4	4	12	1,002	1,557	30,116	842	33,529
31-Jul	4	4	15	1,173	3,060	27,930	933	33,111
2-Aug	6	6	1	1,533	595	22,881	813	25,823
3-Aug	a	a	a	a	a	a	a	a
4-Aug	a	a	a	a	a	a	a	a
5-Aug	7	7	12	1,330	449	75,174	2,307	79,272
6-Aug	4	4	0	800	141	26,591	2,212	29,744
7-Aug	5	5	0	143	108	34,025	2,343	36,619
8-Aug	a	a	a	a	a	a	a	a
9-Aug	a	a	a	a	a	a	a	a
11-Aug	a	a	a	a	a	a	a	a
12-Aug	a	a	a	a	a	a	a	a
13-Aug	a	a	a	a	a	a	a	a
14-Aug	a	a	a	a	a	a	a	a
<b>Total</b>	<b>17</b>	<b>75</b>	<b>112</b>	<b>15,210</b>	<b>11,221</b>	<b>402,218</b>	<b>21,211</b>	<b>449,839</b>
Total through July 25	12	25	69	7,813	4,263	60,850	4,092	72,336

<sup>a</sup> Confidentiality requirements prohibit releasing this information.

Appendix C.12 Southeastern District Mainland commercial set gillnet salmon harvest (number of fish), by species and day, 2002.

Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
21-Jun	34	48	77	7,231	0	78	529	7,915
22-Jun	32	47	58	7,693	0	67	391	8,209
23-Jun	32	60	39	7,905	0	179	709	8,832
24-Jun	29	51	26	6,457	0	291	537	7,311
25-Jun	30	51	32	7,207	1	259	514	8,013
1-Jul	28	43	9	4,702	0	512	297	5,520
2-Jul	28	51	15	5,289	1	1,065	282	6,652
3-Jul	20	30	4	4,023	0	287	122	4,436
4-Jul	16	32	4	3,659	0	506	120	4,289
5-Jul	19	48	34	6,592	1	1,674	275	8,576
6-Jul	9	11	3	2,586	4	567	118	3,278
7-Jul	6	14	3	2,981	0	481	52	3,517
8-Jul	6	19	3	3,170	0	374	30	3,577
9-Jul	14	21	12	4,673	6	719	113	5,523
10-Jul	39	74	51	14,421	125	7,247	1,297	23,141
11-Jul	38	73	54	12,035	141	7,088	1,110	20,428
12-Jul	7	12	2	1,870	3	763	62	2,700
13-Jul	8	13	13	1,626	2	930	83	2,654
14-Jul	24	44	5	6,353	21	4,849	369	11,597
15-Jul	24	36	6	4,670	22	4,984	422	10,104
16-Jul	6	12	4	1,286	5	400	43	1,738
17-Jul	5	9	3	945	0	275	21	1,244
18-Jul	19	31	5	4,217	46	5,612	498	10,378
19-Jul	17	34	1	4,528	72	7,702	691	12,994
20-Jul	4	9	0	1,296	3	1,566	168	3,033
21-Jul	4	7	0	779	3	2,220	210	3,212
22-Jul	36	58	8	8,460	289	16,776	2,342	27,875
23-Jul	31	51	2	7,640	366	11,523	2,724	22,255
24-Jul	4	6	0	367	1	1,068	128	1,564
25-Jul	a	a	a	a	a	a	a	a
27-Jul	24	42	2	3,189	852	12,449	2,138	18,630
28-Jul	16	16	1	2,031	222	5,768	931	8,953
30-Jul	18	23	1	1,180	431	4,377	688	6,677
31-Jul	25	37	2	4,290	997	13,021	1,685	19,995
2-Aug	10	16	0	1,075	195	4,309	640	6,219
3-Aug	10	12	3	1,660	638	7,732	935	10,968
4-Aug	11	16	2	2,828	663	10,718	1,278	15,489
5-Aug	9	16	0	1,367	270	7,105	924	9,666
6-Aug	12	19	0	2,732	442	10,638	1,059	14,871
7-Aug	11	18	1	1,717	470	6,097	791	9,076
8-Aug	9	13	1	1,207	302	3,550	620	5,680
9-Aug	8	14	1	1,144	207	2,577	489	4,418
10-Aug	8	9	0	1,537	291	3,087	689	5,604
11-Aug	7	9	0	2,685	289	5,063	1,058	9,095
12-Aug	8	13	0	3,511	379	5,538	1,181	10,609

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Appendix C.12. (page 2 of 2)

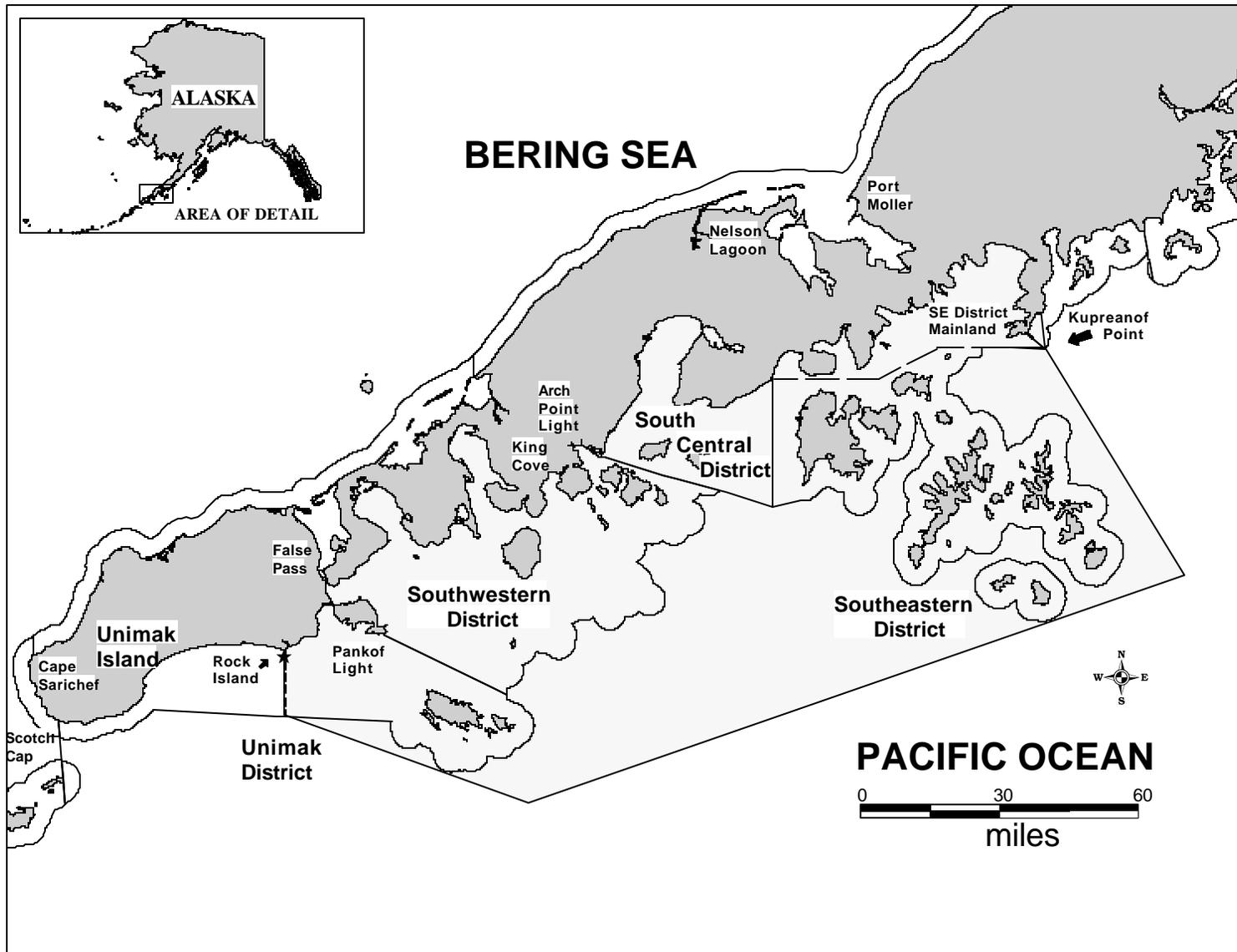
Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
13-Aug	4	5	2	650	311	1,205	262	2,430
14-Aug	8	12	0	4,254	389	4,184	875	9,702
15-Aug	6	11	0	2,115	626	2,048	717	5,506
16-Aug	10	14	1	3,940	1,111	2,845	518	8,415
17-Aug	11	19	0	4,065	1,144	3,049	454	8,712
18-Aug	11	13	0	2,640	653	1,945	325	5,563
19-Aug	6	6	1	1,533	329	1,080	266	3,209
20-Aug	7	11	0	3,042	729	547	348	4,666
1-Sep	17	23	0	3,035	1,188	2	79	4,304
2-Sep	23	34	0	4,530	1,732	0	70	6,332
3-Sep	18	31	0	2,549	1,114	0	23	3,686
4-Sep	16	23	0	1,602	452	0	35	2,089
5-Sep	14	19	0	1,608	641	0	37	2,286
8-Sep	a	a	a	a	a	a	a	a
9-Sep	15	20	0	1,580	931	0	0	2,511
10-Sep	13	21	0	888	577	0	0	1,465
11-Sep	11	17	0	1,092	395	0	0	1,487
12-Sep	a	a	a	a	a	a	a	a
16-Sep	6	11	0	208	94	0	0	302
17-Sep	6	8	0	309	200	0	0	509
23-Sep	3	4	0	313	149	0	0	462
24-Sep	4	9	0	764	196	0	0	960
25-Sep	a	a	a	a	a	a	a	a
26-Sep	a	a	a	a	a	a	a	a
30-Sep	a	a	a	a	a	a	a	a
1-Oct	a	a	a	a	a	a	a	a
<b>Total</b>	<b>53</b>	<b>1,603</b>	<b>494</b>	<b>219,210</b>	<b>20,980</b>	<b>201,449</b>	<b>33,775</b>	<b>475,908</b>
Subtotal through July 25	53	1,001	476	145,656	1,127	82,515	14,660	244,434

<sup>a</sup> Confidentiality requirements prohibit releasing this information.

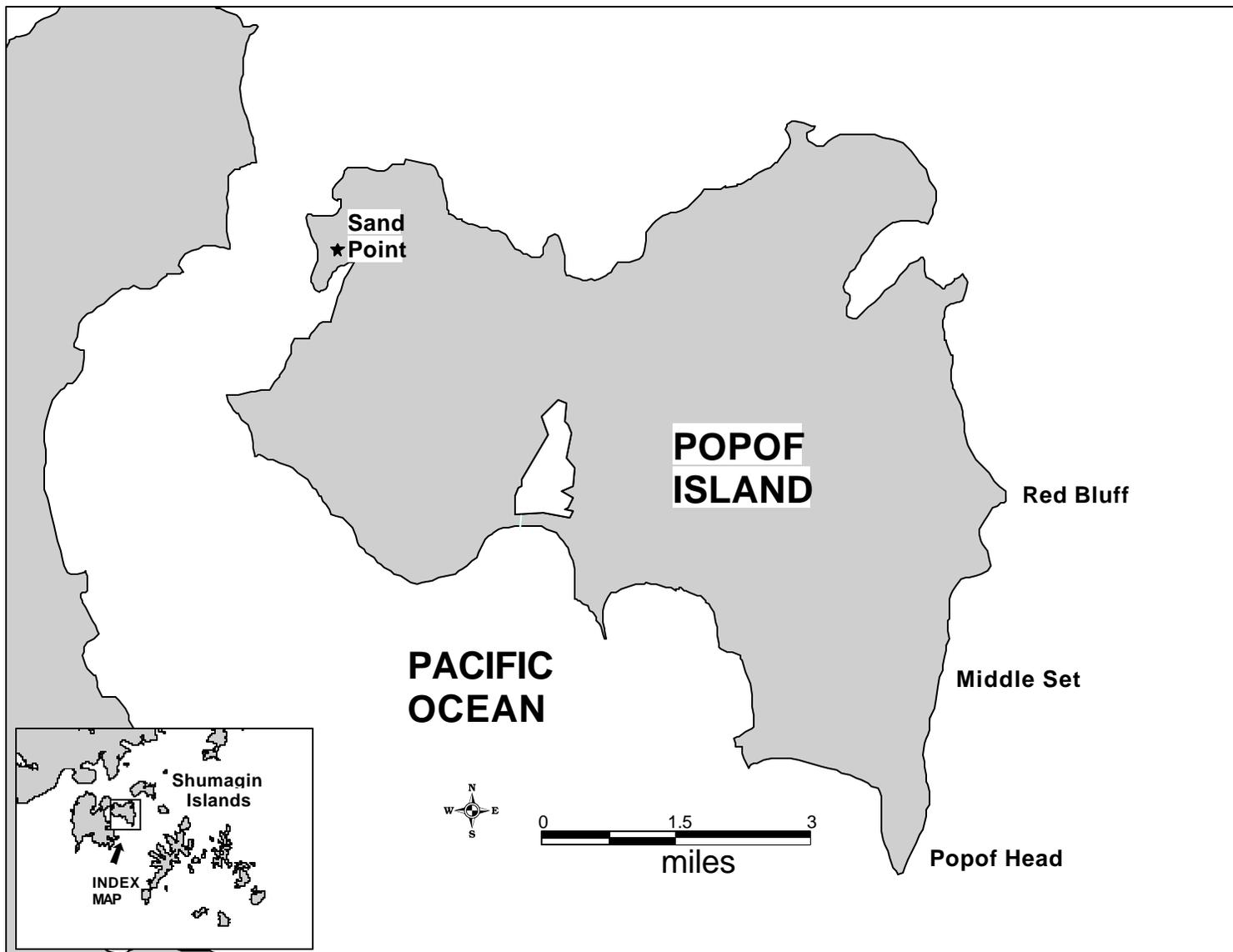
Appendix C.13. Southeastern District Mainland commercial sockeye salmon harvest in number of fish and percent, by gear, for the entire season, 1970-2002.

Year	Catch by Gear				Catch
	Set Net		Purse Seine		
	Number	Percent	Number	Percent	
1970	81,259	95.1	4,158	4.9	85,417
1971	61,037	95.1	3,141	4.9	64,178
1972	19,957	89.9	2,233	10.1	22,190
1973	46,586	97.2	1,346	2.8	47,932
1974	66,200	74.0	23,219	26.0	89,419
1975	1,807	57.3	1,349	42.7	3,156
1976	54,190	90.4	5,725	9.6	59,915
1977	35,410	73.1	13,053	26.9	48,463
1978 <sup>a</sup>	30,229	87.1	4,462	12.9	34,691
1979	89,863	71.2	36,270	28.8	126,133
1980	115,978	89.0	14,344	11.0	130,322
1981	226,820	87.4	32,719	12.6	259,539
1982	109,867	93.1	8,165	6.9	118,032
1983	284,735	72.2	109,489	27.8	394,224
1984	617,011	90.7	63,634	9.3	680,645
1985	119,672	86.8	18,219	13.2	137,891
1986	224,333	91.4	21,178	8.6	245,511
1987	290,042	96.9	9,421	3.1	299,463
1988	125,509	79.2	32,865	20.8	158,374
1989	151,745	53.8	130,549	46.2	282,294
1990	158,065	57.0	119,395	43.0	277,460
1991	336,238	84.8	60,417	15.2	396,655
1992	283,927	86.8	43,267	13.2	327,194
1993	271,750	82.1	59,265	17.9	331,015
1994	305,447	92.5	24,832	7.5	330,279
1995	315,754	79.0	83,721	21.0	399,475
1996	337,310	93.4	23,873	6.6	361,183
1997	379,619	93.1	27,928	6.9	407,547
1998	204,626	73.4	74,164	26.6	278,790
1999	409,636	89.5	47,929	10.5	457,565
2000	283,591	92.7	22,401	7.3	305,992
2001	250,497	92.1	21,514	7.9	272,011
2002	219,210	93.5	15,210	6.5	234,420
Average 1982-2001					
	272,969	84.0	50,111	16.0	323,080
Average 1992-2001					
	304,216	87.5	42,889	12.5	347,105

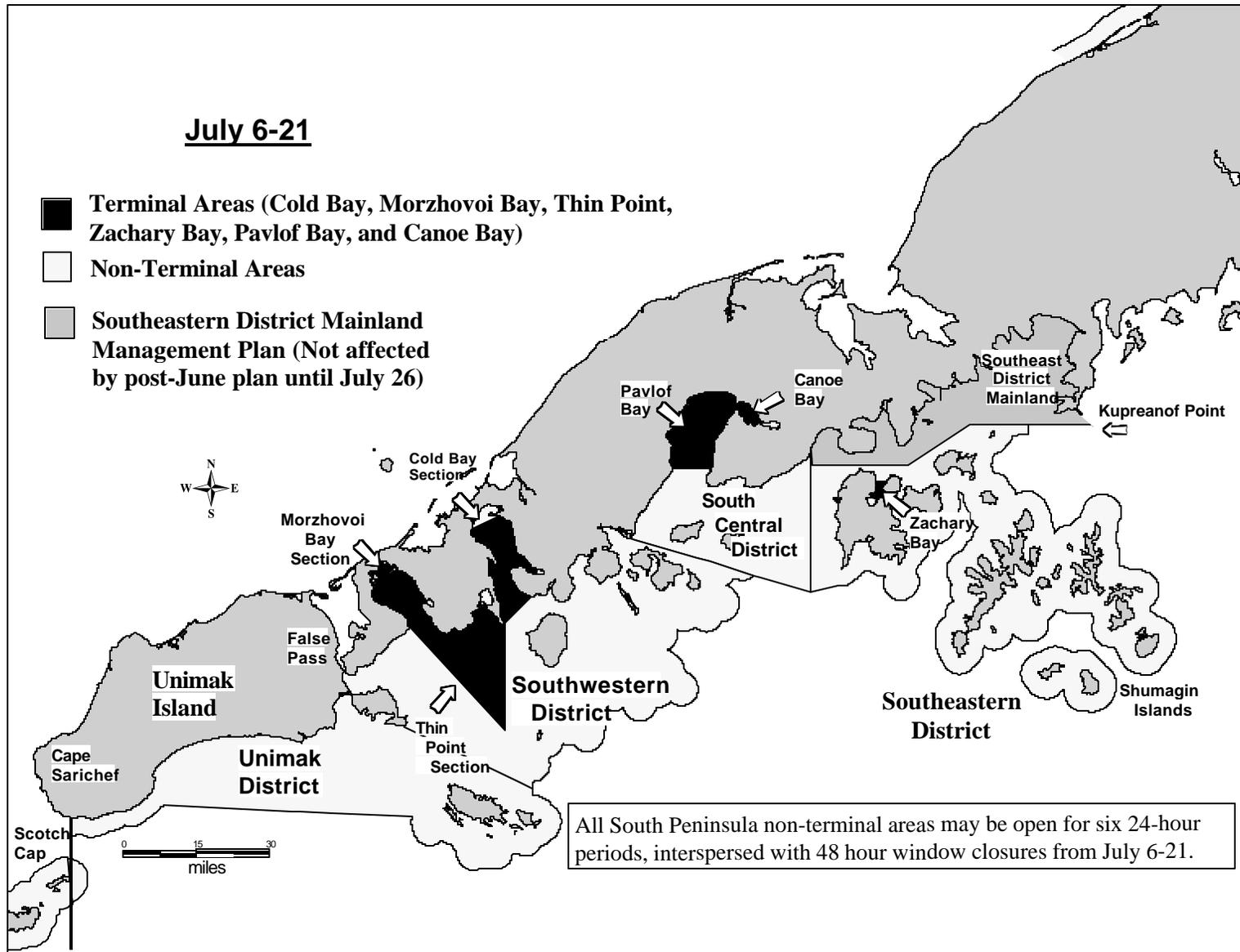
<sup>a</sup> Set gillnet gear only prior to July 11 since 1978.



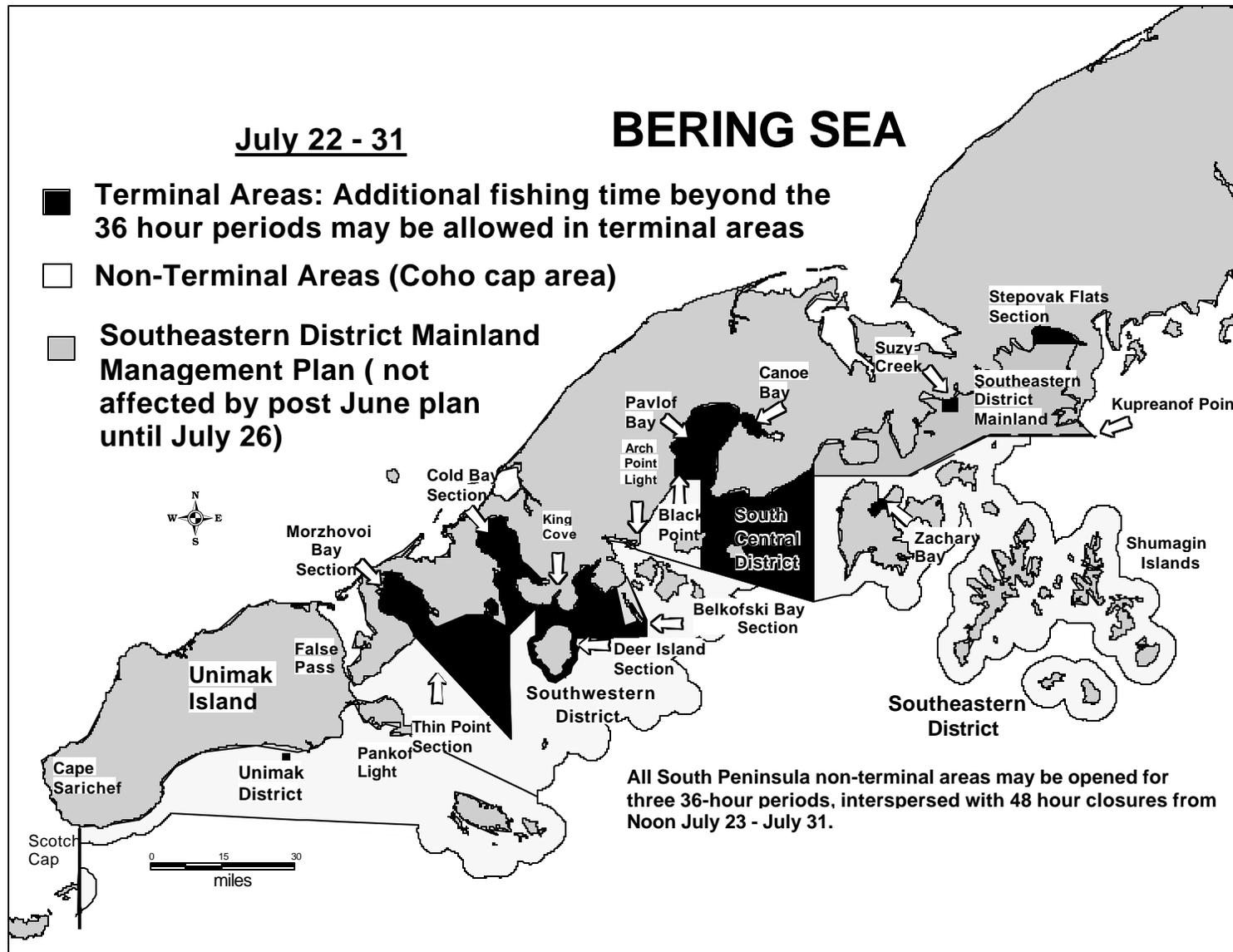
Appendix D.1. Map of the South Peninsula from Kupreanof Point to Scotch Cap with the general post-June fishing area (Rock island-Kupreanof Point) and the Southeastern District mainland area shown.



Appendix D.2. Map of Popof Island with the test fishing sites defined.



Appendix D.3. Map of the South Peninsula post-June fishery during July 6-21.



Appendix D.4. Map of the South Peninsula with those areas where additional fishing time may be allowed during July 22-31 defined.

Appendix D.5. Summary of the Shumagin Islands Section July salmon test fishery results, 2002.

Date	Number of Sets <sup>a</sup>	Number of Adult Salmon						Immature Salmon						
		Chinook	Sockeye	Coho	Pink	Chum	Total	Chinook	Sockeye	Coho	Chum	Total	Percent Sockeye	Percent Chum
2-Jul	5	10	724	11	228	726	1,699	98	599	0	166	863	69.4	19.2
	Avg/Set	2	145	2	46	145	340	20	120	0	33	173		
3-Jul	5	10	237	0	156	350	753	123	249	1	95	468	53.2	20.3
	Avg/Set	2	47	0	31	70	151	25	50	0	19	94		
4-Jul	5	9	59	0	49	151	268	104	63	0	19	186	33.9	10.2
	Avg/Set	2	12	0	10	30	54	21	13	0	4	37		
Total	15	29	1,020	11	433	1,227	2,720	325	911	1	280	1,517		

<sup>a</sup> Test fishing is standardized to purse seine gear, conducting 20 minute sets at Popof Head, Middle Set, and Red Bluff located on Popof Island, additional sets are made if time allows.

Appendix D.6. South Peninsula post-June commercial salmon harvest, all gear combined, by species, July 6-21, 2002.

Catch Date	Number of Salmon					Total
	Chinook	Sockeye	Coho	Pink	Chum	
<i>Non-terminal areas, all gear combined, by day</i>						
6-Jul	158	15,670	832	7,737	11,914	36,311
9-Jul	132	16,244	1,693	11,016	5,503	34,588
11-Jul	0	48	99	169	26	342
12-Jul	683	15,242	10,831	17,865	22,450	67,071
14-Jul	88	544	3,004	1,053	2,345	7,034
15-Jul	682	11,867	19,082	13,770	12,256	57,657
18-Jul	388	13,694	32,986	29,205	17,315	93,588
21-Jul	136	4,740	14,639	19,618	7,424	46,557
<b>Total</b>	<b>2,267</b>	<b>78,049</b>	<b>83,166</b>	<b>100,433</b>	<b>79,233</b>	<b>343,148</b>
<i>Non-terminal areas, all gear combined, by location</i>						
Shumagin Islands	2,255	49,409	71,494	73,356	66,591	263,105
Uninmak District & Ikatan Bay Section	2	12,273	6,738	3,001	8,011	30,025
Balance of South Peninsula	10	16,367	4,934	24,076	4,631	50,018
<b>Total</b>	<b>2,267</b>	<b>78,049</b>	<b>83,166</b>	<b>100,433</b>	<b>79,233</b>	<b>343,148</b>
<i>Terminal areas, all gear combined, by day</i>						
9-Jul	0	674	3	526	158	1,361
12-Jul	0	248	0	0	50	298
15-Jul	0	2,675	0	32,700	1,170	36,545
17-Jul	0	0	0	30,500	0	30,500
18-Jul	0	8,173	0	557	1,413	10,143
19-Jul	4	11,259	24	957	1,460	13,704
20-Jul	0	3,151	5	423	37	3,616
<b>Total</b>	<b>4</b>	<b>26,180</b>	<b>32</b>	<b>65,663</b>	<b>4,288</b>	<b>96,167</b>

Appendix D.7. South Peninsula post-June commercial salmon harvest, all gear combined, by species, July 22-31, 2002.

Catch Date	Number of Salmon					Total
	Chinook	Sockeye	Coho	Pink	Chum	
<i>Non terminal areas (including SEDM after July 25), all gear combined, by day</i>						
23-Jul	67	1,737	6,678	9,265	2,035	19,782
24-Jul	85	3,911	11,140	40,948	4,987	61,071
26-Jul	0	17	0	379	11	407
27-Jul	121	5,616	12,622	32,154	8,405	58,918
28-Jul	60	2,982	4,303	20,121	2,814	30,280
29-Jul	0	0	0	0	0	
30-Jul	45	2,987	4,553	42,633	3,327	53,545
31-Jul	71	6,914	8,925	63,312	6,526	85,748
<b>Total</b>	<b>449</b>	<b>24,164</b>	<b>48,221</b>	<b>208,812</b>	<b>28,105</b>	<b>309,751</b>
<i>Non terminal areas, all gear combined, by location</i>						
Shumagin Islands	412	7,717	35,794	87,279	13,016	144,218
Unimak District & Ikatán Bay Section	0	2,372	3,692	4,083	2,209	12,356
SEDM July 26-31	36	13,335	7,954	105,540	8,104	134,969
Balance of South Peninsula	1	740	781	11,910	4,776	18,208
<b>Total</b>	<b>449</b>	<b>24,164</b>	<b>48,221</b>	<b>208,812</b>	<b>28,105</b>	<b>309,751</b>
<i>Terminal areas (including SEDM terminal areas after July 25), all gear combined, by day</i>						
23-Jul	0	104	32	4,749	1,817	6,702
24-Jul	0	9	9	2,148	1,582	3,748
25-Jul	0	0	0	13,500	4	13,504
26-Jul	0	53	0	9,442	72	9,567
27-Jul	0	4,558	0	42,903	1,404	48,865
28-Jul	0	14,396	0	8,160	124	22,680
29-Jul	0	17,622	0	32,184	85	49,891
30-Jul	0	7,921	0	47,693	570	56,184
31-Jul	0	3,956	6	14,070	661	18,693
<b>Total</b>	<b>0</b>	<b>48,619</b>	<b>47</b>	<b>174,849</b>	<b>6,319</b>	<b>154,957</b>

Appendix D.8. South Peninsula post-June commercial salmon harvest, all gear combined, by species, August 1-31, 2002.

	Chinook	Sockeye	Coho	Pink	Chum	Total
<b>Southeastern District</b>						
Shumagin Islands	666	12,056	42,491	154,635	28,167	238,015
Southeastern District Mainland	25	48,369	10,944	354,043	27,873	441,254
Subtotal	691	60,425	53,435	508,678	56,040	679,269
<b>South Central District</b>						
	0	1	0	341,002	38,950	379,953
<b>Southwestern District</b>						
	0	33,878	4,388	551,106	200,750	790,122
<b>Unimak District</b>						
	0	0	0	0	0	0
South Peninsula Total	691	94,304	57,823	1,400,786	295,740	1,849,344

Appendix D.9. South Peninsula fall fishery (September 1-October 31) commercial salmon harvest, all gear combined, by species and year, 1970-2002.

Year	Permits	Landings	Number of Salmon <sup>a</sup>					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	b	b	b	b	b	b	b	b
1971	b	b	b	b	b	b	b	b
1972	b	b	b	b	b	b	b	b
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	4	15	0	1,776	160	85	0	2,021
1977	9	23	0	2,465	635	0	528	3,628
1978	21	51	0	808	4,651	0	5,726	11,185
1979	25	60	0	2,375	17,468	54	5,307	25,204
1980	29	139	0	6,513	30,390	154	4,166	41,223
1981	31	115	0	10,004	21,016	0	220	31,240
1982	29	213	2	24,471	10,742	0	3,407	38,622
1983	48	334	35	25,493	14,945	1,254	2,958	44,685
1984	52	269	10	13,351	10,526	458	1,789	26,134
1985	55	182	5	4,002	14,725	290	6,960	25,982
1986	46	146	2	3,459	6,318	518	2,519	12,816
1987	65	323	12	23,332	22,040	1,499	52,079	98,962
1988	68	328	4	24,635	26,497	62,290	19,345	132,771
1989	60	363	12	34,932	15,724	281	10,058	61,007
1990	66	426	7	67,142	23,318	584	73,195	164,246
1991	52	273	2	20,056	20,337	0	16,183	56,578
1992	53	333	58	13,115	35,323	1,525	3,486	53,507
1993	50	248	31	16,386	16,965	515	2,918	36,815
1994	75	373	18	25,481	36,563	294	214,174	276,530
1995	55	473	3	110,657	26,083	1,710	9,860	148,313
1996	57	364	5	26,301	26,525	136	2,910	55,877
1997	51	513	30	76,965	36,447	3,568	6,199	123,209
1998	67	430	25	44,775	20,838	1,818	10,382	77,838
1999	58	503	12	118,064	17,622	12,353	3,668	151,719
2000	71	444	11	47,160	25,039	3,963	83,701	159,874
2001	34	382	16	97,717	17,317	1,824	2,894	119,768
2002	26	244	0	19,341	8,034	217	7,776	35,368
Average 1992-2001								
	57	406	21	57,662	25,872	2,771	34,019	120,345
Average 1982-2001								
	56	346	15	40,875	21,195	4,744	26,434	93,263

<sup>a</sup> Test fish harvests are not included.

<sup>b</sup> Confidentiality requirements prohibit reporting harvest.

Appendix D.10. South Peninsula (minus the Southeastern District Mainland fishery July 1-25 salmon harvest) post-June (July 1-October 31) commercial salmon harvest, all gear combined, by species and year, 1970-2002.

Year	Permits <sup>b</sup>	Landings	Number of Salmon <sup>a</sup>					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	127	1,467	758	44,795	32,340	1,610,724	535,625	2,224,242
1971	175	2,166	1,252	190,632	16,814	1,411,230	838,978	2,458,906
1972	140	848	656	35,120	7,916	55,802	204,113	303,607
1973	115	582	151	37,424	6,340	34,118	87,077	165,110
1974	95	509	532	108,923	9,152	71,459	64,455	254,521
1975	46	65	0	293	3	52,375	29,158	81,829
1976	125	1,102	6	11,674	176	2,324,547	116,355	2,452,758
1977	103	1,131	7	26,545	1,168	1,425,107	119,646	1,572,473
1978	123	2,081	203	61,379	60,417	5,467,134	408,544	5,997,677
1979	165	2,446	972	209,755	350,770	6,365,911	371,358	7,298,766
1980	152	2,646	1,522	310,278	271,738	6,295,345	785,026	7,663,909
1981	168	2,502	4,190	218,667	158,846	4,564,926	1,033,055	5,979,684
1982	183	2,781	2,313	140,487	252,885	4,806,182	1,042,978	6,244,845
1983	201	2,667	11,726	292,536	124,431	2,760,452	816,567	4,005,712
1984	217	3,525	4,290	334,781	306,522	10,469,392	1,176,050	12,291,035
1985	213	2,787	688	272,059	169,137	4,249,809	827,781	5,519,474
1986	202	3,001	3,475	545,160	235,082	3,698,727	1,346,879	5,829,323
1987	233	2,692	3,881	410,755	224,543	1,189,211	911,414	2,739,804
1988	243	4,356	6,797	635,804	502,960	6,767,066	1,307,053	9,219,680
1989	274	3,993	4,106	825,372	440,171	6,879,878	531,759	8,681,286
1990	261	3,257	5,480	875,237	288,728	2,299,161	672,937	4,141,543
1991	234	3,573	2,423	465,874	311,825	9,952,671	788,955	11,521,748
1992	233	3,907	4,003	765,575	414,809	9,101,628	863,505	11,149,520
1993	221	3,086	3,524	497,933	209,816	9,765,709	504,894	10,981,876
1994	213	3,302	1,642	408,089	249,066	6,640,031	1,591,094	8,889,922
1995	207	3,824	2,010	731,651	252,358	16,071,184	1,155,825	18,213,028
1996	180	1,966	1,914	215,721	263,654	1,738,973	379,578	2,599,840
1997	168	1,399	1,206	325,261	110,488	1,681,374	277,559	2,395,888
1998	209	3,975	1,793	764,947	150,735	7,441,311	455,978	8,814,764
1999	185	4,205	1,580	1,355,842	191,585	8,369,899	563,270	10,482,176
2000	179	2,894	2,081	530,913	249,874	3,132,340	788,698	4,703,906
2001	177	2,426	1,780	350,517	209,583	3,930,586	823,425	5,315,891
2002	116	1,553	3,411	290,657	197,323	1,950,760	421,461	2,863,612
Average 1978-1992								
	207	3,081	3,738	424,248	274,191	5,657,833	858,924	7,218,934
Average 1993-1997								
	198	2,715	2,059	435,731	217,076	7,179,454	781,790	8,616,111
Average 1998-2001								
	188	3,375	1,809	750,555	200,444	5,718,534	657,843	7,329,184

<sup>a</sup> Test fish harvests are not included.

<sup>b</sup> Permits used equals total South Peninsula post June permits.

Appendix D.11. South Peninsula post-June commercial salmon harvest, (including the Southeastern District Mainland fishery) all gear combined, by species and year, July 1-October 31, 1970-2002.

Year	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	127	1,612	777	63,569	32,519	1,630,404	550,698	2,277,967
1971	175	2,325	1,305	225,162	16,906	1,423,528	855,916	2,522,817
1972	140	940	673	45,174	7,999	60,270	212,505	326,621
1973	115	710	159	58,207	6,571	38,500	91,810	195,247
1974	95	744	557	171,700	9,362	100,179	71,430	353,228
1975	46	90	0	3,449	66	55,395	29,928	88,838
1976	125	1,181	14	20,707	213	2,342,600	121,282	2,484,816
1977	103	1,315	35	60,669	2,108	1,443,245	126,762	1,632,819
1978	123	2,187	222	74,839	60,771	5,500,177	423,532	6,059,541
1979	165	2,699	1,049	283,352	356,562	6,409,584	378,712	7,429,259
1980	152	2,948	1,569	371,638	273,328	6,335,159	843,988	7,825,682
1981	168	2,940	4,415	316,945	161,899	4,581,643	1,201,454	6,266,356
1982	183	3,361	2,566	177,160	254,798	5,016,065	1,171,508	6,622,097
1983	210	3,210	12,833	522,913	127,157	2,771,744	917,198	4,351,845
1984	217	4,251	4,913	525,275	310,910	10,668,889	1,312,347	12,822,334
1985	213	2,970	724	294,782	170,046	4,323,885	912,580	5,702,017
1986	202	3,444	3,586	687,525	235,852	3,739,423	1,394,332	6,060,718
1987	233	2,926	3,935	463,090	224,740	1,191,512	929,782	2,813,059
1988	243	4,701	7,011	716,964	505,278	6,864,600	1,381,796	9,475,649
1989	274	4,185	4,225	909,393	441,397	7,089,895	538,177	8,983,087
1990	261	3,663	6,164	1,039,265	305,509	2,346,043	715,940	4,412,921
1991	234	3,889	2,807	570,688	313,210	9,977,423	797,890	11,662,018
1992	233	4,317	4,040	870,687	414,933	9,117,479	880,066	11,287,205
1993	221	3,683	4,301	639,412	214,020	9,843,962	513,579	11,215,274
1994	213	3,738	1,726	541,108	250,079	6,648,470	1,593,590	9,034,973
1995	207	4,228	2,079	824,679	254,581	16,123,733	1,172,964	18,378,036
1996	180	2,825	2,124	392,038	267,494	1,810,624	411,581	2,883,861
1997	168	2,594	1,352	630,008	111,872	1,697,989	283,929	2,725,150
1998	209	4,340	2,100	882,078	153,694	7,566,341	465,907	9,070,120
1999	185	4,351	1,619	1,403,036	192,480	8,412,751	567,929	10,577,815
2000	179	3,802	2,176	654,532	256,841	3,189,515	813,977	4,917,041
2001	177	2,996	1,957	454,812	210,897	3,972,806	873,565	5,514,037
2002	116	2,322	3,724	407,633	202,712	2,093,251	437,533	3,144,853
Average 1978-1992								
	207	3,446	4,004	521,634	277,093	5,728,901	919,953	7,451,586
Average 1993-1997								
	198	3,414	2,316	605,449	219,609	7,224,956	795,129	8,847,459
Average 1998-2001								
	188	3,872	1,963	848,615	203,478	5,785,353	680,345	7,519,753

Appendix D.12 South Peninsula (including Southeastern District Mainland fishery) post-June commercial chinook salmon harvest by gear and year, July 1- October 31, 1970-2002.

Year	Purse Seine		Drift Gillnet		Set Gillnet		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	750	96.5	19	2.4	8	1.0	777
1971	1,219	93.4	47	3.6	39	3.0	1,305
1972	647	96.1	8	1.2	18	2.7	673
1973	155	97.5	1	0.6	3	1.9	159
1974	509	91.4	22	3.9	26	4.7	557
1975	0	0.0	0	0.0	0	0.0	0
1976	5	35.7	1	7.1	8	57.1	14
1977	18	51.4	0	0.0	17	48.6	35
1978	204	91.9	0	0.0	18	8.1	222
1979	981	93.5	2	0.2	66	6.3	1,049
1980	1,495	95.3	0	0.0	74	4.7	1,569
1981	4,280	96.9	0	0.0	135	3.1	4,415
1982	2,294	89.4	90	3.5	182	7.1	2,566
1983	12,552	97.8	78	0.6	203	1.6	12,833
1984	4,338	88.3	161	3.3	414	8.4	4,913
1985	625	86.3	24	3.3	75	10.4	724
1986	3,395	94.7	24	0.7	167	4.7	3,586
1987	3,700	94.0	64	1.6	171	4.3	3,935
1988	6,586	93.9	142	2.0	283	4.0	7,011
1989	3,584	84.8	295	7.0	346	8.2	4,225
1990	5,605	90.9	122	2.0	437	7.1	6,164
1991	2,085	74.3	62	2.2	660	23.5	2,807
1992	3,724	92.2	47	1.2	269	6.7	4,040
1993	3,666	85.2	111	2.6	524	12.2	4,301
1994	1,321	76.5	25	1.4	380	22.0	1,726
1995	1,556	74.8	34	1.6	489	23.5	2,079
1996	1,826	86.5	28	1.3	257	12.2	2,111
1997	1,161	85.9	18	1.3	173	12.8	1,352
1998	1,768	84.2	18	0.9	314	15.0	2,100
1999	1,367	84.4	15	0.9	237	14.6	1,619
2000	1,983	91.1	19	0.9	174	8.0	2,176
2001	1,732	88.5	19	1.0	206	10.5	1,957
2002	3,245	87.1	2	0.1	477	12.8	3,724
Average 1982-2001							
	3,243	87.2	70	2.0	298	10.8	3,611
Average 1992-2001							
	2,010	84.9	33	1.3	302	13.7	2,346
Average 1978-1992							
	3,697	92.3	74	1.8	233	5.8	4,004
Average 1993-1997							
	1,906	82.4	43	1.9	365	15.8	2,314
Average 1998-2001							
	1,713	87.1	18	0.9	233	12.0	1,963

Appendix D.13. South Peninsula (including Southeastern District Mainland fishery) post-June commercial sockeye salmon harvest by gear and year, July 1-October 31, 1970-2002.

Year	Purse Seine		Drift Gillnet		Set Gillnet		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	28,397	44.7	15,364	24.2	19,808	31.2	63,569
1971	82,826	36.8	105,274	46.8	37,062	16.5	225,162
1972	18,957	42.0	15,580	34.5	10,637	23.5	45,174
1973	15,796	27.1	16,246	27.9	26,165	45.0	58,207
1974	63,511	37.0	52,481	30.6	55,708	32.4	171,700
1975	1,642	47.6	0	0.0	1,807	52.4	3,449
1976	9,630	46.5	2,649	12.8	8,428	40.7	20,707
1977	32,051	52.8	0	0.0	28,618	47.2	60,669
1978	57,448	76.8	0	0.0	17,391	23.2	74,839
1979	193,629	68.3	1,097	0.4	88,626	31.3	283,352
1980	260,433	70.1	398	0.1	110,807	29.8	371,638
1981	171,658	54.2	1,388	0.4	143,899	45.4	316,945
1982	92,784	52.4	13,472	7.6	70,904	40.0	177,160
1983	258,763	49.5	19,005	3.6	245,145	46.9	522,913
1984	240,959	45.9	26,698	5.1	257,618	49.0	525,275
1985	178,953	60.7	18,441	6.3	97,388	33.0	294,782
1986	412,251	60.0	30,261	4.4	245,013	35.6	687,525
1987	238,678	51.5	39,360	8.5	185,052	40.0	463,090
1988	423,852	59.1	44,657	6.2	248,455	34.7	716,964
1989	470,465	51.7	86,343	9.5	352,585	38.8	909,393
1990	524,630	50.5	132,907	12.8	381,728	36.7	1,039,265
1991	232,338	40.7	21,721	3.8	316,629	55.5	570,688
1992	443,201	50.9	44,935	5.2	382,551	43.9	870,687
1993	288,648	45.1	23,421	3.7	327,343	51.2	639,412
1994	147,337	27.2	18,134	3.4	375,637	69.4	541,108
1995	368,688	44.7	21,505	2.6	434,486	52.7	824,679
1996	80,639	20.6	5,776	1.5	305,443	77.9	391,858
1997	123,940	19.7	24,278	3.9	481,790	76.5	630,008
1998	381,734	43.3	35,569	4.0	464,775	52.7	882,078
1999	680,344	48.5	35,100	2.5	687,592	49.0	1,403,036
2000	212,658	32.5	20,587	3.1	421,287	64.4	654,532
2001	96,249	21.2	28,932	6.4	329,631	72.5	454,812
2002	118,441	29.1	15,783	3.9	273,409	67.1	407,633
Average 1982-2001							
	294,856	43.8	34,555	5.2	330,553	51.0	659,963
Average 1992-2001							
	282,344	35.4	25,824	3.6	421,054	61.0	729,221
Average 1978-92							
	280,003	53.7	32,046	6.1	209,586	40.2	521,634
Average 1993-97							
	201,850	33.3	18,623	3.1	384,940	63.6	605,413
Average 1998-2001							
	342,746	36.4	30,047	4.0	475,821	59.6	848,615

Appendix D.14. South Peninsula (including Southeastern District Mainland fishery) post-June commercial coho salmon harvest by gear and year, July 1-October 31, 1970-2002.

Year	Purse Seine		Drift Gillnet		Set Gillnet		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	31,789	97.8	56	0.2	674	2.1	32,519
1971	16,346	96.7	356	2.1	204	1.2	16,906
1972	7,795	97.4	59	0.7	145	1.8	7,999
1973	6,286	95.7	43	0.7	242	3.7	6,571
1974	8,091	86.4	1,110	11.9	161	1.7	9,362
1975	37	56.1	0	0.0	29	43.9	66
1976	53	24.9	0	0.0	160	75.1	213
1977	1,034	49.1	0	0.0	1,074	50.9	2,108
1978	57,842	95.2	0	0.0	2,929	4.8	60,771
1979	346,021	97.0	33	0.0	10,508	2.9	356,562
1980	249,602	91.3	0	0.0	23,726	8.7	273,328
1981	155,653	96.1	10	0.0	6,236	3.9	161,899
1982	219,462	86.1	19,202	7.5	16,134	6.3	254,798
1983	109,822	86.4	3,658	2.9	13,677	10.8	127,157
1984	247,342	79.6	37,805	12.2	25,763	8.3	310,910
1985	128,931	75.8	18,033	10.6	23,082	13.6	170,046
1986	203,505	86.3	18,901	8.0	13,446	5.7	235,852
1987	169,763	75.5	30,445	13.5	24,532	10.9	224,740
1988	389,723	77.1	75,445	14.9	40,110	7.9	505,278
1989	305,558	69.2	88,376	20.0	47,463	10.8	441,397
1990	224,354	73.4	42,659	14.0	38,496	12.6	305,509
1991	199,104	63.6	51,215	16.4	62,891	20.1	313,210
1992	294,100	70.9	58,621	14.1	62,212	15.0	414,933
1993	148,565	69.4	26,364	12.3	39,091	18.3	214,020
1994	161,903	64.7	24,980	10.0	63,196	25.3	250,079
1995	185,974	73.1	26,020	10.2	42,587	16.7	254,581
1996	195,272	73.7	22,561	8.5	47,133	17.8	264,966
1997	47,254	42.2	19,855	17.7	44,763	40.0	111,872
1998	83,205	54.1	30,219	19.7	40,270	26.2	153,694
1999	143,560	74.6	11,734	6.1	37,186	19.3	192,480
2000	180,030	70.1	33,632	13.1	43,179	16.8	256,841
2001	149,064	70.7	30,125	14.3	31,708	15.0	210,897
2002	165,305	81.5	11,567	5.7	25,840	12.7	202,712
Average 1982-2001							
	189,325	71.8	33,493	12.3	37,846	15.9	260,663
Average 1992-2001							
	158,893	66.4	28,411	12.6	45,133	21.0	232,436
Average 1978-1992							
	220,052	79.4	29,627	10.7	27,414	9.9	277,093
Average 1993-1997							
	147,794	67.5	23,956	10.9	47,354	21.6	219,104
Average 1998-2001							
	138,965	67.4	26,428	13.3	38,086	19.3	203,478

Appendix D.15. South Peninsula (including Southeastern District Mainland fishery) post-June commercial pink salmon harvest by gear and year, July 1-October 31, 1970-2002.

Year	Purse Seine		Drift Gillnet		Set Gillnet		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	1,551,475	95.2	62,666	3.8	16,263	1.0	1,630,404
1971	1,416,920	99.4	1,983	0.1	6,849	0.5	1,425,752
1972	55,667	92.4	129	0.2	4,474	7.4	60,270
1973	34,463	89.5	545	1.4	3,492	9.1	38,500
1974	88,832	88.7	1,626	1.6	9,721	9.7	100,179
1975	54,435	98.3	0	0.0	960	1.7	55,395
1976	2,337,109	99.8	65	0.0	5,426	0.2	2,342,600
1977	1,427,176	98.9	0	0.0	16,069	1.1	1,443,245
1978	5,470,855	99.5	0	0.0	29,322	0.5	5,500,177
1979	6,306,410	98.4	16,635	0.3	86,539	1.4	6,409,584
1980	6,236,027	98.4	12	0.0	99,120	1.6	6,335,159
1981	4,461,879	97.4	7,200	0.2	112,564	2.5	4,581,643
1982	4,852,553	96.7	50,748	1.0	112,764	2.2	5,016,065
1983	2,688,187	97.0	5,586	0.2	77,971	2.8	2,771,744
1984	10,324,380	96.8	78,575	0.7	265,934	2.5	10,668,889
1985	4,096,285	94.7	21,803	0.5	205,797	4.8	4,323,885
1986	3,602,769	96.3	27,772	0.7	108,882	2.9	3,739,423
1987	1,135,252	95.3	3,025	0.3	53,235	4.5	1,191,512
1988	6,427,823	93.6	145,106	2.1	291,671	4.2	6,864,600
1989	6,641,815	93.7	85,946	1.2	362,134	5.1	7,089,895
1990	2,256,837	96.2	32,089	1.4	57,117	2.4	2,346,043
1991	9,614,533	96.4	26,740	0.3	336,150	3.4	9,977,423
1992	8,616,933	94.5	91,106	1.0	409,440	4.5	9,117,479
1993	9,494,663	96.5	12,037	0.1	337,262	3.4	9,843,962
1994	6,317,708	95.0	53,701	0.8	277,061	4.2	6,648,470
1995	15,404,768	95.5	41,868	0.3	677,097	4.2	16,123,733
1996	1,522,362	84.1	17,593	1.0	269,395	14.9	1,809,350
1997	1,627,495	95.8	14,435	0.9	56,059	3.3	1,697,989
1998	6,803,002	89.9	192,352	2.5	570,987	7.5	7,566,341
1999	8,016,735	95.3	12,045	0.1	383,971	4.6	8,412,751
2000	2,871,880	90.0	15,979	0.5	301,656	9.5	3,189,515
2001	3,629,078	91.3	20,999	0.5	322,729	8.1	3,972,806
2002	1,831,099	87.5	9,664	0.5	252,488	12.1	2,093,251
Average 1982-2001							
	5,797,253	94.2	47,475	0.8	273,866	5.0	6,118,594
Average 1992-2001							
	6,430,462	92.8	47,212	0.8	360,566	6.4	6,838,240
Average 1978-1992							
	5,515,503	96.3	39,490	0.7	173,909	3.0	5,728,901
Average 1993-1997							
	6,873,399	95.1	27,927	0.4	323,375	4.5	7,224,701
Average 1998-2001							
	5,330,174	91.6	60,344	0.9	394,836	7.4	5,785,353

Appendix D.16. South Peninsula (including Southeastern District Mainland fishery) post-June commercial chum salmon harvest by gear and year, July 1-October 31, 1970-2002.

Year	Purse Seine		Drift Gillnet		Set Gillnet		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	497,990	90.4	31,764	5.8	20,944	3.8	550,698
1971	715,457	83.6	124,539	14.5	16,023	1.9	856,019
1972	144,992	68.2	55,615	26.2	11,898	5.6	212,505
1973	73,249	79.8	10,464	11.4	8,097	8.8	91,810
1974	51,538	72.2	13,998	19.6	5,894	8.3	71,430
1975	29,336	98.0	0	0.0	592	2.0	29,928
1976	118,482	97.7	1,390	1.1	1,410	1.2	121,282
1977	114,058	90.0	0	0.0	12,704	10.0	126,762
1978	403,352	95.2	0	0.0	20,180	4.8	423,532
1979	346,006	91.4	2,834	0.7	29,872	7.9	378,712
1980	758,344	89.9	8	0.0	85,636	10.1	843,988
1981	1,104,569	91.9	4,821	0.4	92,064	7.7	1,201,454
1982	1,060,812	90.6	17,406	1.5	93,290	8.0	1,171,508
1983	829,281	90.4	19,913	2.2	68,004	7.4	917,198
1984	1,186,753	90.4	30,941	2.4	94,653	7.2	1,312,347
1985	828,645	90.8	18,521	2.0	65,414	7.2	912,580
1986	1,300,638	93.3	22,294	1.6	71,400	5.1	1,394,332
1987	811,464	87.3	43,115	4.6	75,203	8.1	929,782
1988	1,228,987	88.9	68,066	4.9	84,743	6.1	1,381,796
1989	417,978	77.7	44,605	8.3	75,594	14.0	538,177
1990	600,040	83.8	46,700	6.5	69,200	9.7	715,940
1991	635,031	79.6	25,465	3.2	137,394	17.2	797,890
1992	776,939	88.3	29,252	3.3	73,875	8.4	880,066
1993	448,204	87.3	17,871	3.5	47,504	9.2	513,579
1994	1,458,898	91.5	26,262	1.6	108,430	6.8	1,593,590
1995	1,039,506	88.6	22,517	1.9	110,941	9.5	1,172,964
1996	314,538	76.6	14,306	3.5	81,918	19.9	410,762
1997	239,619	84.4	13,278	4.7	31,032	10.9	283,929
1998	333,693	71.6	35,723	7.7	96,491	20.7	465,907
1999	427,414	75.3	21,247	3.7	119,268	21.0	567,929
2000	653,132	80.2	26,134	3.2	134,711	16.5	813,977
2001	696,166	79.7	25,762	2.9	151,637	17.4	873,565
2002	381,423	87.2	12,325	2.8	43,785	10.0	437,533
Average 1982-2001							
	764,387	84.8	28,469	3.7	89,535	11.5	882,391
Average 1992-2001							
	638,811	82.4	23,235	3.6	95,581	14.0	757,627
Average 1978-1992							
	819,256	89.1	24,929	2.7	75,768	8.2	919,953
Average 1993-1997							
	700,153	88.1	18,847	2.4	75,965	9.6	794,965
Average 1998-2001							
	527,601	76.7	27,217	4.4	125,527	18.9	680,345

Appendix D.17. Shumagin Islands Section post-June commercial salmon harvest, all gear combined, by species and year, July 1-October 31, 1970-2002.

Year	Permit	Landing	Number of Salmon					Total
			Chinook	sockeye	Coho	Pink	Chum	
1970	50	512	735	22,219	30,065	486,657	116,392	656,068
1971	52	737	1,135	45,681	16,067	471,965	300,509	835,357
1972	44	431	619	18,070	7,686	34,047	97,606	158,028
1973	28	259	148	19,484	6,068	19,315	43,154	88,169
1974	37	205	507	43,484	8,031	35,706	37,323	125,051
1975	0	0	0	0	0	0	0	0
1976	42	127	0	3	3	303,422	7,968	311,396
1977	a	a	a	a	a	a	a	a
1978	69	643	189	51,261	40,433	1,213,961	164,930	1,470,774
1979	91	956	910	145,369	313,573	2,071,045	93,527	2,624,424
1980	86	1,239	1,456	235,438	233,501	1,625,784	283,432	2,379,611
1981	92	893	4,038	118,139	126,955	1,364,370	309,726	1,923,228
1982	89	964	1,969	67,269	207,273	1,638,712	295,325	2,210,548
1983	92	864	6,547	108,365	92,403	900,726	220,824	1,328,865
1984	90	858	3,222	96,149	211,648	1,786,737	259,497	2,357,253
1985	109	932	511	107,792	113,193	1,627,627	205,649	2,054,772
1986	99	1,352	3,149	341,966	201,518	1,497,905	557,407	2,601,945
1987	120	1,210	3,388	248,934	157,936	542,383	310,540	1,263,181
1988	120	2,041	5,955	416,917	351,118	3,396,332	415,308	4,585,630
1989	140	1,565	2,446	416,425	248,760	2,023,468	238,627	2,929,726
1990	138	1,439	4,916	423,253	182,128	1,102,353	344,096	2,056,746
1991	135	1,318	1,396	212,091	142,846	2,140,838	211,667	2,708,838
1992	128	1,424	2,657	250,306	230,425	2,287,338	233,954	3,004,680
1993	110	1,007	2,334	195,451	124,423	3,326,530	121,102	3,769,840
1994	115	986	949	152,702	147,602	1,126,688	249,939	1,677,880
1995	116	1,274	1,674	295,690	161,292	5,325,186	302,541	6,086,383
1996	103	852	1,578	93,161	203,004	703,409	134,780	1,135,932
1997	79	355	974	107,752	43,854	184,751	26,079	363,410
1998	107	1,475	1,505	353,650	83,032	1,900,291	133,114	2,471,592
1999	102	1,960	1,410	724,778	143,244	3,546,717	269,842	4,685,991
2000	104	1,200	1,938	288,633	176,369	900,892	234,472	1,602,304
2001	85	632	1,592	100,451	144,572	1,009,398	129,975	1,385,988
2002	56	368	3,333	69,374	149,896	318,236	109,998	650,837
Average 1982-2001	109	1,185	2,506	250,087	168,332	1,848,414	244,737	2,514,075
Average 1992-2001	105	1,117	1,661	256,257	145,782	2,031,120	183,580	2,618,400
Average 1978-1992	107	1,180	2,850	215,978	190,247	1,681,305	276,301	2,366,681
Average 1993-1997	105	895	1,502	168,951	136,035	2,133,313	166,888	2,606,689
Average 1998-2001	100	1,317	1,611	366,878	136,804	1,839,325	191,851	2,536,469

<sup>a</sup> Confidentiality requirements prohibit reporting of harvest.

Appendix D.18. Southeastern District (minus the Southeastern District Mainland fishery July 1-25 salmon harvest) post-June commercial salmon harvest, all gear combined, by species and year, July 1-October 31, 1970-2002.

Year	Permit <sup>a</sup>	Landing	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	62	638	736	23,040	31,195	657,415	151,122	863,508
1971	63	1,017	1,190	55,178	16,332	818,831	439,095	1,330,626
1972	58	489	650	22,875	7,859	44,190	115,152	190,726
1973	38	322	149	25,110	6,272	27,143	49,900	108,574
1974	53	339	522	71,648	8,128	67,791	50,615	198,704
1975	13	11	0	213	34	237	274	758
1976	64	295	0	3,665	201	579,646	31,103	614,615
1977	60	252	11	20,407	2,076	205,572	20,582	248,648
1978	77	916	198	58,137	47,081	1,899,575	226,733	2,231,724
1979	104	1,322	951	182,949	332,572	3,257,929	167,441	3,941,842
1980	103	1,679	1,515	292,025	253,680	2,024,405	443,529	3,015,154
1981	107	1,522	4,086	176,792	137,342	2,476,913	554,649	3,349,782
1982	109	1,588	2,116	98,555	223,931	2,371,602	549,297	3,245,501
1983	114	1,780	7,566	280,995	109,633	1,073,412	388,933	1,860,539
1984	123	1,962	3,759	263,720	240,108	3,124,821	423,861	4,056,269
1985	119	1,677	556	170,640	128,289	2,604,099	296,027	3,199,611
1986	115	1,887	3,337	403,744	205,988	1,952,743	679,646	3,245,458
1987	134	1,777	3,624	303,610	181,894	919,099	533,817	1,942,044
1988	127	2,788	6,096	500,764	390,211	4,491,452	607,241	5,995,764
1989	145	2,587	3,518	609,495	321,855	4,818,537	364,236	6,117,641
1990	149	2,133	5,305	615,501	222,923	1,323,270	468,738	2,635,737
1991	142	2,200	1,845	319,019	191,333	4,235,266	394,708	5,142,171
1992	135	2,205	3,118	362,056	285,360	3,268,497	318,082	4,237,113
1993	128	1,926	3,005	315,539	157,250	5,909,612	177,831	6,563,237
1994	134	1,716	1,277	261,324	201,433	1,451,225	367,849	2,283,108
1995	132	2,273	1,841	534,803	207,284	7,380,863	466,744	8,591,535
1996	121	1,444	1,830	170,088	218,649	903,433	180,026	1,474,026
1997	105	832	1,119	210,434	66,120	251,894	39,947	569,514
1998	117	2,484	1,675	515,309	104,035	2,724,915	192,853	3,538,787
1999	115	2,900	1,493	965,317	162,616	4,361,401	318,390	5,809,217
2000	112	1,856	1,993	392,190	189,401	1,255,128	292,390	2,131,102
2001	102	1,542	1,749	268,342	174,037	1,947,906	268,633	2,660,667
2002	70	1,017	3,394	150,325	176,707	778,538	146,232	1,255,196
Average 1982-2001	124	1,978	2,841	378,072	199,118	2,818,459	366,462	3,764,952
Average 1992-2001	120	1,918	1,910	399,540	176,619	2,945,487	262,275	3,785,831
Average 1978-1992	120	1,868	3,173	309,200	218,147	2,656,108	427,796	3,614,423
Average 1993-1997	124	1,638	1,814	298,438	170,147	3,179,405	246,479	3,896,284
Average 1998-2001	112	2,196	1,728	535,290	157,522	2,572,338	268,067	3,534,943

<sup>a</sup> Permits used equals total Southeastern District post-June permits.

Appendix D.19. Southeastern District fall fishery (September 1-October 31) commercial salmon harvest, all gear combined, by species and year, 1970-2002.

Year	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	0	0	0	0	0	0	0	0
1971	a	a	a	a	a	a	a	a
1972	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	4	15	0	1,776	160	85	0	2,021
1977	7	12	0	1,369	304	0	210	1,883
1978	10	27	0	761	1,738	0	2,475	4,974
1979	11	29	0	1,535	1,803	19	3,329	6,686
1980	10	46	0	3,898	5,736	2	1,438	11,074
1981	16	58	0	5,863	1,709	0	0	7,572
1982	19	144	2	18,327	5,108	0	708	24,145
1983	40	235	34	17,791	10,562	59	2,241	30,687
1984	36	188	6	9,374	6,160	144	832	16,516
1985	34	129	5	3,260	6,653	252	1,449	11,619
1986	26	99	1	2,900	3,095	376	1,854	8,226
1987	37	194	8	17,740	12,634	1,092	11,642	43,116
1988	48	225	1	18,682	11,037	61,658	1,935	93,313
1989	50	317	12	32,187	11,389	276	9,413	53,277
1990	47	317	7	53,445	9,348	571	71,357	134,728
1991	38	244	2	19,741	7,751	0	2,673	30,167
1992	42	303	58	13,046	26,700	1,525	3,292	44,621
1993	40	217	31	16,220	7,830	515	2,877	27,473
1994	55	310	18	24,882	30,082	197	15,738	70,917
1995	50	458	3	109,283	22,190	1,710	9,599	142,785
1996	52	344	5	26,038	12,924	136	2,910	42,013
1997	45	490	30	76,068	23,432	3,568	6,174	109,272
1998	60	404	25	42,568	13,999	1,818	10,382	68,792
1999	54	495	12	117,902	15,270	12,353	3,581	149,118
2000	58	409	11	46,976	14,503	1,198	4,793	67,481
2001	34	382	16	97,717	17,317	1,824	2,894	119,768
2002	25	243	0	19,341	8,021	2	276	27,640
Average 1982 - 2001								
	43	295	14	38,207	13,399	4,464	8,317	64,402
Average 1992 - 2001								
	49	381	21	57,070	18,425	2,484	6,224	84,224

<sup>a</sup> Confidentiality requirements prohibit reporting harvest.

Appendix D.20. South Central, Southwestern, and Unimak Districts, combined, post-June commercial salmon harvest, all gear combined, by species and year, July 1-October 31, 1970-2002.

Year	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	111	968	29	24,990	2,170	1,095,513	413,685	1,536,387
1971	162	1,469	129	153,473	764	900,752	538,527	1,593,645
1972	109	442	47	20,653	240	22,785	107,895	151,620
1973	99	365	3	22,751	281	14,044	44,115	81,194
1974	75	396	39	87,134	1,216	35,090	24,098	147,577
1975	40	76	0	506	37	52,612	29,432	82,587
1976	114	957	6	11,683	49	1,943,867	105,874	2,061,479
1977	93	1,164	16	34,980	1,346	1,403,137	117,895	1,557,374
1978	109	1,403	17	11,695	18,744	3,992,186	230,071	4,252,713
1979	136	1,395	71	68,289	31,839	3,780,765	242,278	4,123,242
1980	125	1,349	66	75,635	31,669	4,489,131	395,964	4,992,465
1981	137	1,459	203	98,491	29,909	2,892,995	619,794	3,641,392
1982	150	1,713	393	67,205	39,742	2,761,320	625,634	3,494,294
1983	172	1,680	5,881	207,648	25,450	1,802,299	559,837	2,601,115
1984	199	2,690	1,451	286,445	90,530	8,607,009	931,615	9,917,050
1985	165	1,532	175	137,607	51,147	2,325,343	590,634	3,104,906
1986	155	1,505	204	199,925	31,055	1,965,955	701,215	2,898,354
1987	185	1,201	416	133,751	49,958	511,880	415,865	1,111,870
1988	198	1,966	744	176,577	122,590	2,644,442	767,034	3,711,387
1989	230	1,806	1,029	271,072	128,518	3,161,629	207,146	3,769,394
1990	220	1,669	688	440,975	72,228	1,041,483	235,594	1,790,968
1991	158	1,373	578	146,855	120,492	5,717,405	394,247	6,379,577
1992	176	1,702	885	403,519	129,449	5,833,131	545,423	6,912,407
1993	145	1,160	519	182,394	52,566	3,856,097	327,063	4,418,639
1994	150	1,586	365	146,765	47,633	5,188,806	1,223,245	6,606,814
1995	140	1,550	159	195,867	44,805	8,686,233	688,117	9,615,181
1996	74	521	71	45,453	42,477	834,266	198,733	1,121,000
1997	88	566	85	114,709	44,366	1,429,476	237,609	1,826,245
1998	137	1,491	118	249,638	46,700	4,716,396	263,125	5,275,977
1999	118	1,305	87	390,525	28,969	4,008,498	244,880	4,672,959
2000	108	1,038	88	138,723	60,473	1,877,212	496,308	2,572,804
2001	93	884	31	82,175	35,546	1,982,680	554,792	2,655,224
2002	56	537	17	140,332	20,616	1,172,222	275,229	1,608,416
Average 1982-2001								
	153	1,447	698	200,891	63,235	3,447,578	510,406	4,222,808
Average 1992-2001								
	123	1,180	241	194,977	53,298	3,841,280	477,930	4,567,725

Appendix D.21. South Central, Southwestern, and Unimak Districts fall (September 1-October 31) commercial salmon harvest, all gear combined, by species and year, 1970-2002.

Year	Permits	Landings	Number of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	a	a	a	a	a	a	a	a
1971	0	0	0	0	0	0	0	0
1972	a	a	a	a	a	a	a	a
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	a	a	a	a	a	a	a	a
1978	12	24	0	47	2,913	0	3,251	6,211
1979	14	31	0	840	15,665	35	1,978	18,518
1980	23	93	0	2,615	24,654	152	2,728	30,149
1981	20	57	0	4,141	19,307	0	220	23,668
1982	15	69	0	6,144	5,634	0	2,699	14,477
1983	17	99	1	7,702	4,383	1,195	717	13,998
1984	26	81	4	3,977	4,366	314	957	9,618
1985	26	53	0	742	8,072	38	5,511	14,363
1986	22	47	1	559	3,223	142	665	4,590
1987	37	129	4	5,592	9,406	407	40,437	55,846
1988	32	103	3	5,953	15,460	632	17,410	39,458
1989	16	46	0	2,745	4,335	5	645	7,730
1990	33	109	0	13,697	13,970	13	1,838	29,518
1991	14	29	0	315	12,586	0	13,510	26,411
1992	11	30	0	69	8,623	0	194	8,886
1993	10	31	0	166	9,135	0	41	9,342
1994	23	63	0	599	6,481	97	198,436	205,613
1995	5	15	0	1,374	3,893	0	261	5,528
1996	5	20	0	263	13,601	0	0	13,864
1997	6	23	0	897	13,015	0	25	13,937
1998	7	26	0	2,207	6,839	0	0	9,046
1999	4	8	0	162	2,352	0	87	2,601
2000	14	35	0	184	10,536	2,765	78,908	92,393
2001	0	0	0	0	0	0	0	0
2002	a	a	a	a	a	a	a	a
Average 1982-2001								
	16	51	1	2,667	7,796	280	18,117	28,861
Average 1992-2001								
	9	25	0	592	7,448	286	27,795	36,121

<sup>a</sup> Confidentiality requirements prohibit reporting harvest.

Appendix E.1. Summary of historical sockeye salmon escapement data from Orzinski Lake, Thin Point Lake, Middle Lagoon/Morzhovoi, and Mortensen's Lagoon weirs.

Year	Orzinski Weir			Thin Point Weir			Middle Lagoon/Morzhovoi Weir			Mortensen's Lagoon		
	Dates			Dates			Dates			Dates		
	Installed	Removed	Sockeye	Installed	Removed	Sockeye	Installed	Removed	Sockeye	Installed	Removed	Sockeye
1926 <sup>a</sup>							unknown	unknown	13,590			
1927							unknown	unknown	23,932			
1928	no records found prior to 1929 for this weir						unknown	unknown	8,904			
1929	unknown	unknown	5,740				unknown	unknown	15,974			
1930	unknown	unknown	1,923				unknown	unknown	24,551			
1931	unknown	unknown	5,756				1-Jul	7-Sep	28,588			
1932	20-Jun	unknown	25,706				26-Jun	8-Aug	40,306			
1933	not operated this year						not operated this year					
1934	23-Jun	"mid-season"	6,634				23-Jun	8-Sep	81,748			
1935	13-Jun	"mid-Sept."	28,478				10-Jun	5-Oct	17,367			
1936	16-Jun	8-Aug	31,720				not operated again successfully until 1996					
1937	before 19-Jun	6-Aug	15,393									
1938	30-May	7-Aug	8,675									
1939	14-Jun	3-Aug	10,414									
1940	7-Jun	5-Aug	16,414									
1941	14-Jun	8-Aug	8,241									
1942-1989	no weirs operated on the South Peninsula											
1990	27-Jun	7-Aug	13,467									
1991	14-Jun	20-Jul	35,219									
1992	12-Jun	31-Jul	20,542									
1993	9-Jun	3-Aug	22,287	not operated before 1994								
1994	10-Jun	29-Jul	34,540	13-Jul	28-Aug	19,450						
1995	16-Jun	25-Jul	24,907	14-Jul	22-Aug	10,241						
1996	7-Jun	28-Jul	23,744	17-Jul	17-Aug	3,101	9-Jul	17-Aug	10,123			
1997	12-Jun	26-Jul	24,938	7-Aug	24-Aug	1,488	not operated after 1996					
1998	14-Jun	1-Aug	21,194	15-Jul	23-Aug	1,927						
1999	12-Jun	31-Jul	12,579	not operated after 1998								
2000	10-Jun	4-Aug	19,452									
2001	5-Jun	31-Jul	26,982							1-Jul	26-Oct	4,268
2002	11-Jun	31-Jul	37,279							25-Jun	22-Oct	5,205

<sup>a</sup> Data from weirs prior to 1960 compiled from United States Fish and Wildlife Service annual reports series from 1930 to 1959 for the Alaska Peninsula/Aleutians.

Appendix E.2. Sockeye salmon daily and cumulative escapement counts through the Orzinski Lake weir, 2002.

Date	Daily			Cumulative		
	Adults	Jacks	Total	Adults	Jacks	Total
11-Jun	0	0	0	0	0	0
12-Jun	4	0	4	4	0	4
13-Jun	0	0	0	4	0	4
14-Jun	0	0	0	4	0	4
15-Jun	0	0	0	4	0	4
16-Jun	0	0	0	4	0	4
17-Jun	0	0	0	4	0	4
18-Jun	0	2	2	4	2	6
19-Jun	0	1	1	4	3	7
20-Jun	192	33	225	196	36	232
21-Jun	256	30	286	452	66	518
22-Jun	45	4	49	497	70	567
23-Jun	84	11	95	581	81	662
24-Jun	1,183	100	1,283	1,764	181	1,945
25-Jun	1,370	427	1,797	3,134	608	3,742
26-Jun	563	227	790	3,697	835	4,532
27-Jun	0	0	0	3,697	835	4,532
28-Jun	2,635	130	2,765	6,332	965	7,297
29-Jun	71	13	84	6,403	978	7,381
30-Jun	1,763	60	1,823	8,166	1,038	9,204
1-Jul	2,631	80	2,711	10,797	1,118	11,915
2-Jul	310	19	329	11,107	1,137	12,244
3-Jul	1,404	65	1,469	12,511	1,202	13,713
4-Jul	580	38	618	13,091	1,240	14,331
5-Jul	1,997	139	2,136	15,088	1,379	16,467
6-Jul	1,188	77	1,265	16,276	1,456	17,732
7-Jul	80	2	82	16,356	1,458	17,814
8-Jul	370	49	419	16,726	1,507	18,233
9-Jul	586	117	703	17,312	1,624	18,936
10-Jul	1,198	141	1,339	18,510	1,765	20,275
11-Jul	0	0	0	18,510	1,765	20,275
12-Jul	3,289	325	3,614	21,799	2,090	23,889
13-Jul	1,235	144	1,379	23,034	2,234	25,268
14-Jul	552	81	633	23,586	2,315	25,901
15-Jul	1,047	63	1,110	24,633	2,378	27,011
16-Jul	721	70	791	25,354	2,448	27,802
17-Jul	511	42	553	25,865	2,490	28,355

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Date	Daily			Cumulative		
	Adults	Jacks	Total	Adults	Jacks	Total
18-Jul	839	88	927	26,704	2,578	29,282
19-Jul	972	97	1,069	27,676	2,675	30,351
20-Jul	319	77	396	27,995	2,752	30,747
21-Jul	1,578	155	1,733	29,573	2,907	32,480
22-Jul	74	10	84	29,647	2,917	32,564
23-Jul	254	17	271	29,901	2,934	32,835
24-Jul	685	141	826	30,586	3,075	33,661
25-Jul	809	26	835	31,395	3,101	34,496
26-Jul	395	77	472	31,790	3,178	34,968
27-Jul	219	35	254	32,009	3,213	35,222
28-Jul	323	7	330	32,332	3,220	35,552
29-Jul	272	40	312	32,604	3,260	35,864
30-Jul	1,334	36	1,370	33,938	3,296	37,234
31-Jul	41	4	45	33,979	3,300	37,279
Post July 31 <sup>a</sup>	5,077	493	5,570	39,056	3,793	42,849
<b>Total</b>	<b>39,056</b>	<b>3,793</b>	<b>42,849</b>	<b>39,056</b>	<b>3,793</b>	<b>42,849</b>

<sup>a</sup> July 31 was the last day salmon were counted through the weir. Post July 31 escapement was based on the average historical (1990-2001) proportion of escapement through July 31.

### Appendix E.3. Method for calculating indexed total escapement.

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The basic methods for calculating estimated indexed total escapements without the use of a weir or tower are as follows:

Sockeye and coho salmon: These species tend to have a much longer stream life than pink and chum salmon. The indexed total escapement is usually the peak escapement count, including carcasses.

At Thin Point Lagoon and Lake, estimates of sockeye in the lagoon are added together based on estimated time in lagoon, condition, 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 estimated by adding together biweekly estimates of spawning sockeye.

Pink and chum salmon: An approximate 21-day stream life is used to calculate total pink and chum escapements. Fish in saltwater during the final survey are added:

#### EXAMPLE

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Survey Date	Pink	Chum	Fish at Mouth
July 10	5,000	0	5,000 P
July 17	25,000	0	10,000 P
August 1	100,000	0	10,000 P
August 15	150,000	0	12,000 P
			1,000 CH
September 1	150,000	5,000	2,000 CH
Indexed			
Estimated Total	255,000	7,000	

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The estimate of 21 days stream life was used because significant numbers of carcasses seem 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 of streams being obscured by brush or trees in the Alaska Peninsula and Aleutian Islands Areas. With several exceptions, visibility of spawning grounds is outstanding during periods of normal water flow and clear weather.

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Appendix E.4. South Peninsula total indexed salmon escapements by species and year, 1962-2002.

Year	Number of Salmon				Total
	Sockeye	Coho	Pink	Chum	
1962	18,800		1,598,800	399,400	2,017,000
1963	23,000		1,317,900	446,700	1,787,600
1964	15,700		1,436,400	454,800	1,906,900
1965	12,100		1,035,400	228,000	1,275,500
1966	17,000		719,400	422,000	1,158,400
1967	16,200		445,500	182,900	644,600
1968	12,800		823,300	279,100	1,115,200
1969	29,500		2,474,900	134,600	2,639,000
1970	16,500		1,298,900	280,500	1,595,900
1971	19,400		702,700	343,200	1,065,300
1972	11,900		111,400	254,500	377,800
1973	7,300		110,800	212,500	330,600
1974	95,600		284,400	257,300	637,300
1975	51,700		552,100	193,300	797,100
1976	69,700		1,456,400	327,200	1,853,300
1977	64,900		2,677,800	774,900	3,517,600
1978	64,800		2,858,700	600,500	3,524,000
1979	53,300		2,629,500	411,100	3,093,900
1980	45,900		2,641,600	362,400	3,049,900
1981	45,700		2,307,500	381,300	2,734,500
1982	39,200		2,293,000	386,900	2,719,100
1983	59,200		851,200	446,500	1,356,900
1984	54,800		3,811,600	699,700	4,566,100
1985	49,900		1,614,100	503,500	2,167,500
1986	48,000		1,716,700	544,600	2,309,300
1987	44,600		1,540,500	620,700	2,205,800
1988	74,100		2,839,600	496,400	3,410,100
1989	78,100		1,870,900	310,500	2,259,500
1990	95,300	87,500 <sup>a</sup>	1,598,400	354,700	2,048,400 <sup>b</sup>
1991	124,900		2,946,800	587,600	3,659,300
1992	97,600		2,834,400	335,500	3,267,500
1993	100,341		2,990,140	397,030	3,487,511
1994	120,255		3,071,725	579,100	3,771,080
1995	129,110		6,406,300	726,400	7,261,810
1996	72,950		3,647,550	610,300	4,330,800
1997	104,440		5,243,275	809,050	6,156,765
1998	85,440		4,668,065	742,235	5,495,740
1999	97,000		5,015,000	725,000	5,837,000
2000	69,530		2,792,985	522,075	3,384,590

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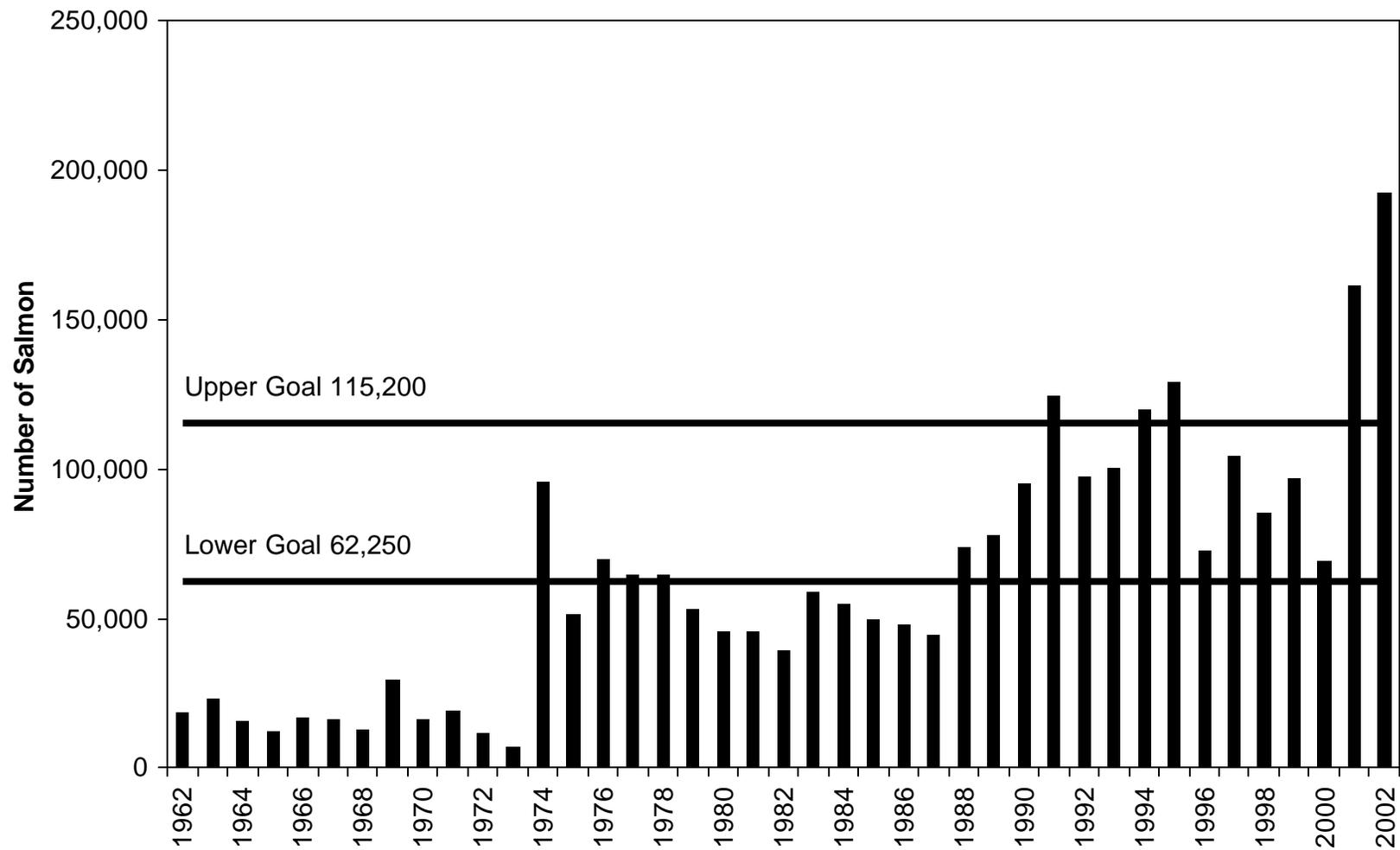
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Year	Number of Salmon				Total
	Sockeye	Coho	Pink	Chum	
2001	161,630		2,965,136	751,221	3,877,950
2002	192,749		3,762,800	602,750	4,558,299
Average 1962-1976 <sup>c</sup>					
	27,813		957,887	294,400	1,280,100
Average 1977-2001 <sup>b,c</sup>					
	79,240		2,953,299	547,168	3,643,510
Average 1992-2001					
	103,830		3,963,458	619,791	4,687,075

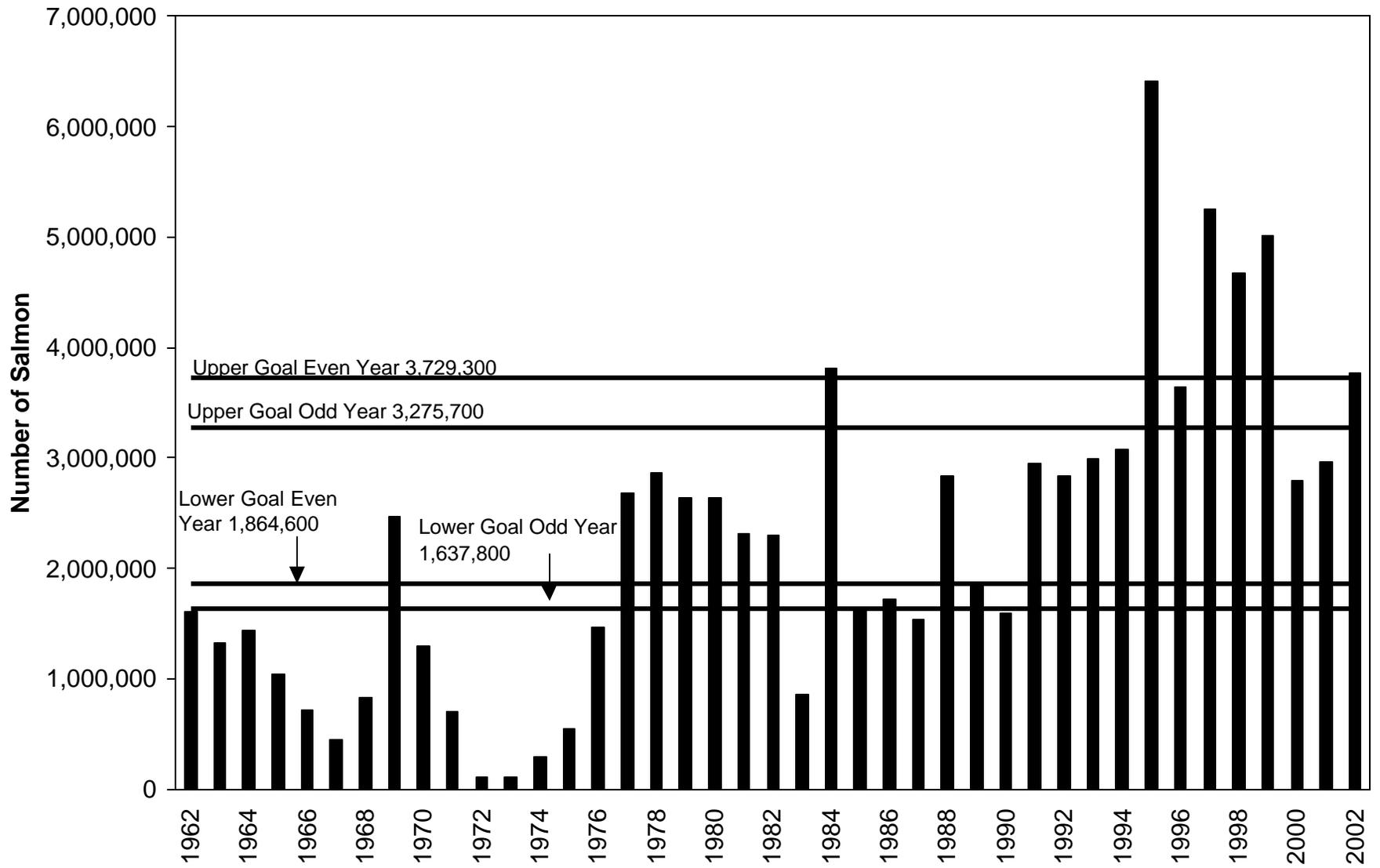
<sup>a</sup> In 1990, excellent survey conditions and additional funding allowed coho surveys during mid and late September.

<sup>b</sup> The 1990 coho numbers are not included in the total escapement.

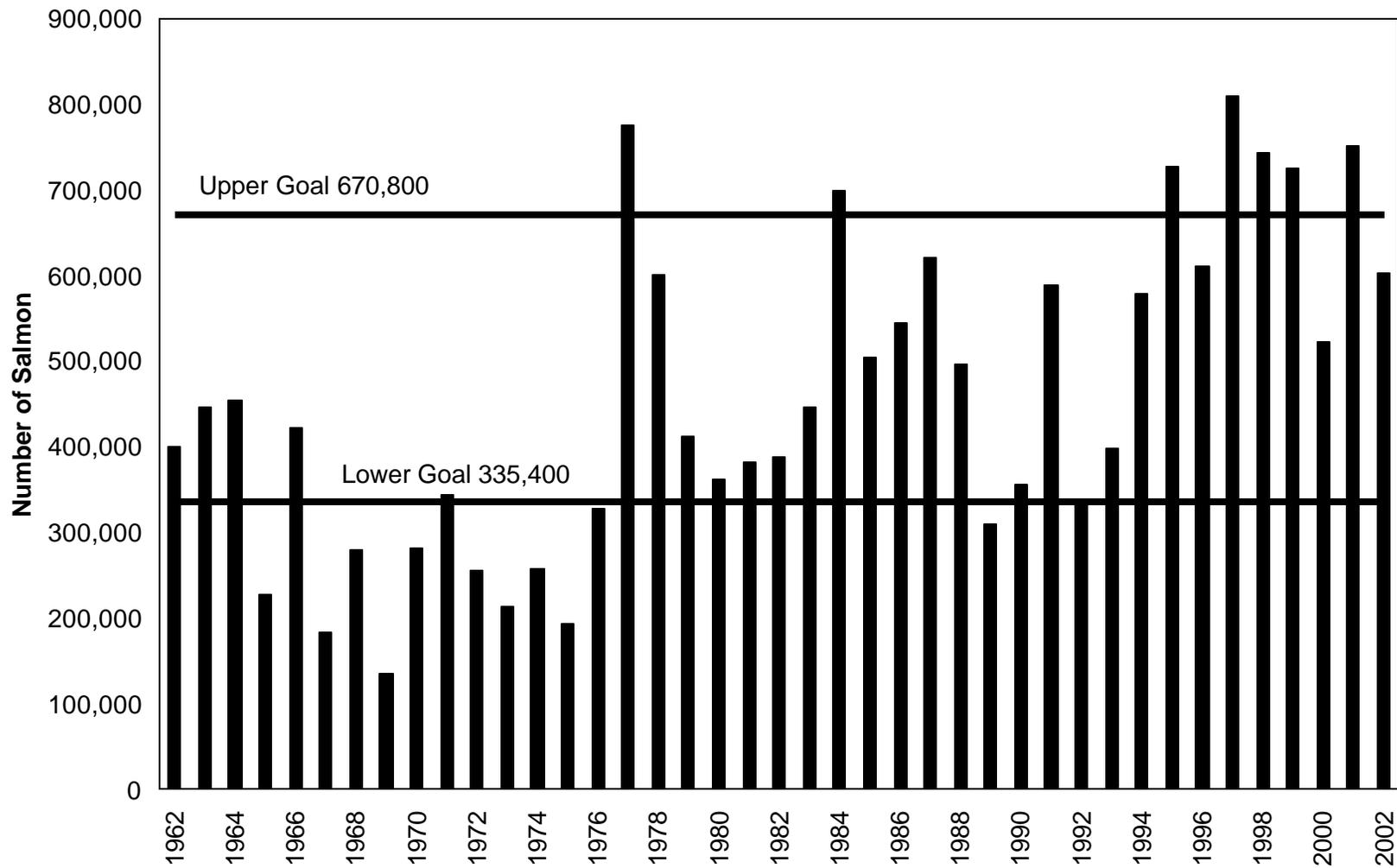
<sup>c</sup> The averages used in this table reflect the transition from years of low production (1962-1976) to the most recent production trends (post 1976).



Appendix E.5. South Peninsula total indexed sockeye salmon escapement by year, 1962-2002.



Appendix E.6. South Peninsula total indexed pink salmon escapement by year, 1962-2002.



Appendix E. 7. South Peninsula total indexed chum salmon escapement by year, 1962-2002.

Appendix E.8. South Peninsula total indexed salmon escapements by species, district, and section, 2002.

District & Section	Number of Salmon <sup>a</sup>			
	Sockeye	Pink	Chum	Total
<b><u>Southeastern District</u></b>				
East Stepovak	0	122,900	0	122,900
Stepovak Flats	0	66,300	91,200	157,500
Northwest Stepovak	42,849	281,400	30,000	354,249
Southwest Stepovak	0	86,700	0	86,700
Balboa Bay	0	187,900	29,000	216,900
Beaver Bay	0	84,550	40,000	124,550
Shumagin Islands	16,000	258,700	13,950	288,650
<b>Southeastern District Total</b>	<b>58,849</b>	<b>1,088,450</b>	<b>204,150</b>	<b>1,351,449</b>
<b><u>South Central District</u></b>				
Mino Creek-Little Coal Bay	6,100	388,000	0	394,100
East Pavlof Bay	0	526,000	7,000	533,000
Canoe Bay	2,000	95,300	81,100	178,400
West Pavlof Bay	2,500	10,700	41,300	54,500
<b>South Central District Total</b>	<b>10,600</b>	<b>1,020,000</b>	<b>129,400</b>	<b>1,160,000</b>
<b><u>Southwestern District</u></b>				
Volcano Bay	0	84,550	67,000	151,550
Belkofski Bay	0	187,500	51,500	239,000
Deer Island	0	1,106,500	0	1,106,500
Cold Bay	14,700	55,900	99,300	169,900
Thin Point	51,000	32,500	29,000	112,500
Morzhovoi Bay	42,700	25,100	20,300	88,100
Ikatan Bay	9,700	139,400	900	150,000
<b>Southwestern District Total</b>	<b>118,100</b>	<b>1,631,450</b>	<b>268,000</b>	<b>2,017,550</b>
<b><u>Unimak District</u></b>				
Otter Cove	100	14,200	1,200	15,500
Sanak Island	5,100	8,700	0	13,800
<b>Unimak District Total</b>	<b>5,200</b>	<b>22,900</b>	<b>1,200</b>	<b>29,300</b>
<b>Total South Peninsula</b>	<b>192,749</b>	<b>3,762,800</b>	<b>602,750</b>	<b>4,558,299</b>

<sup>a</sup> No escapement data is available for coho salmon.

Appendix E.9. Daily and cumulative sockeye and coho salmon escapement counts through the United States Fish and Wildlife weir operated at Mortensen's Lagoon, 2002.

Date	Sockeye		Coho	
	Daily	Cumulative	Daily	Cumulative
25-Jun	2	2	0	0
26-Jun	0	2	0	0
27-Jun	0	2	0	0
28-Jun	0	2	0	0
29-Jun	0	2	0	0
30-Jun	0	2	0	0
1-Jul	0	2	0	0
2-Jul	0	2	0	0
3-Jul	0	2	0	0
4-Jul	0	2	0	0
5-Jul	0	2	0	0
6-Jul	0	2	0	0
7-Jul	0	2	0	0
8-Jul	8	10	0	0
9-Jul	73	83	0	0
10-Jul	0	83	0	0
11-Jul	18	101	0	0
12-Jul	125	226	0	0
13-Jul	45	271	0	0
14-Jul	0	271	0	0
15-Jul	0	271	0	0
16-Jul	0	271	0	0
17-Jul	0	271	0	0
18-Jul	0	271	0	0
19-Jul	30	301	0	0
20-Jul	153	454	0	0
21-Jul	1,373	1,827	0	0
22-Jul	603	2,430	0	0
23-Jul	154	2,584	0	0
24-Jul	11	2,595	0	0
25-Jul	2	2,597	0	0
26-Jul	0	2,597	0	0
27-Jul	1	2,598	0	0
28-Jul	8	2,606	0	0
29-Jul	25	2,631	0	0
30-Jul	9	2,640	0	0

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Date	Sockeye		Coho	
	Daily	Cumulative	Daily	Cumulative
31-Jul	68	2,708	0	0
1-Aug	4	2,712	0	0
2-Aug	41	2,753	0	0
3-Aug	766	3,519	0	0
4-Aug	389	3,908	0	0
5-Aug	345	4,253	0	0
6-Aug	49	4,302	0	0
7-Aug	83	4,385	0	0
8-Aug	28	4,413	0	0
9-Aug	62	4,475	0	0
10-Aug	107	4,582	0	0
11-Aug	158	4,740	0	0
12-Aug	11	4,751	0	0
13-Aug	6	4,757	0	0
14-Aug	12	4,769	0	0
15-Aug	15	4,784	0	0
16-Aug	4	4,788	0	0
17-Aug	10	4,798	0	0
18-Aug	12	4,810	0	0
19-Aug	84	4,894	0	0
20-Aug	79	4,973	0	0
21-Aug	48	5,021	1	1
22-Aug	31	5,052	0	1
23-Aug	32	5,084	0	1
24-Aug	10	5,094	2	3
25-Aug	4	5,098	0	3
26-Aug	0	5,098	0	3
27-Aug	1	5,099	0	3
28-Aug	2	5,101	0	3
29-Aug	2	5,103	1	4
30-Aug	3	5,106	0	4
31-Aug	0	5,106	0	4
1-Sep	0	5,106	0	4
2-Sep	0	5,106	0	4
3-Sep	34	5,140	1	5
4-Sep	41	5,181	71	76
5-Sep	2	5,183	96	172
6-Sep	5	5,188	96	268

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Date	Sockeye		Coho	
	Daily	Cumulative	Daily	Cumulative
7-Sep	4	5,192	100	368
8-Sep	5	5,197	354	722
9-Sep	3	5,200	202	924
10-Sep	0	5,200	208	1,132
11-Sep	0	5,200	8	1,140
12-Sep	1	5,201	962	2,102
13-Sep	0	5,201	446	2,548
14-Sep	0	5,201	35	2,583
15-Sep	0	5,201	0	2,583
16-Sep	0	5,201	8	2,591
17-Sep	0	5,201	2	2,593
18-Sep	0	5,201	0	2,593
19-Sep	0	5,201	3	2,596
20-Sep	0	5,201	14	2,610
21-Sep	1	5,202	2,286	4,896
22-Sep	0	5,202	548	5,444
23-Sep	0	5,202	3	5,447
24-Sep	0	5,202	29	5,476
25-Sep	0	5,202	194	5,670
26-Sep	0	5,202	61	5,731
27-Sep	0	5,202	5	5,736
28-Sep	0	5,202	2	5,738
29-Sep	0	5,202	1	5,739
30-Sep	0	5,202	0	5,739
1-Oct	1	5,203	2	5,741
2-Oct	0	5,203	0	5,741
3-Oct	0	5,203	0	5,741
4-Oct	0	5,203	93	5,834
5-Oct	0	5,203	230	6,064
6-Oct	0	5,203	138	6,202
7-Oct	1	5,204	7	6,209
8-Oct	0	5,204	17	6,226
9-Oct	0	5,204	1	6,227
10-Oct	0	5,204	78	6,305
11-Oct	0	5,204	63	6,368
12-Oct	0	5,204	2	6,370
13-Oct	0	5,204	18	6,388
14-Oct	0	5,204	16	6,404

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Date	Sockeye		Coho	
	Daily	Cumulative	Daily	Cumulative
15-Oct	0	5,204	1	6,405
16-Oct	0	5,204	0	6,405
17-Oct	1	5,205	0	6,405
18-Oct	0	5,205	0	6,405
19-Oct	0	5,205	1	6,406
20-Oct	0	5,205	0	6,406
21-Oct	0	5,205	0	6,406
22-Oct	0	5,205	0	6,406
<b>Total</b>		<b>5,205</b>		<b>6,406</b>

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